



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

RE: 2845635 - IC CONST - GOMEZ RES.

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: IC Construction Project Name: Gomez Res. Model: Custom
Lot/Block: 77 Subdivision: The Oaks
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 49 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.

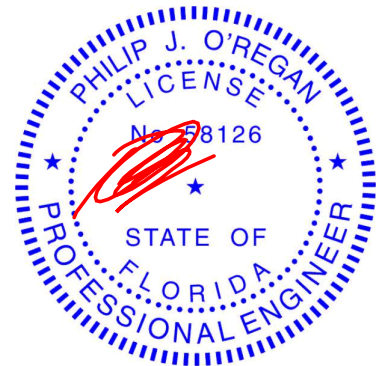
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T24511347	CJ01	6/29/21	23	T24511369	T07	6/29/21
2	T24511348	CJ03	6/29/21	24	T24511370	T08	6/29/21
3	T24511349	CJ05	6/29/21	25	T24511371	T09	6/29/21
4	T24511350	CJ05A	6/29/21	26	T24511372	T10	6/29/21
5	T24511351	CJ05B	6/29/21	27	T24511373	T11	6/29/21
6	T24511352	EJ01	6/29/21	28	T24511374	T12	6/29/21
7	T24511353	EJ02	6/29/21	29	T24511375	T13	6/29/21
8	T24511354	EJ03	6/29/21	30	T24511376	T14	6/29/21
9	T24511355	EJ04	6/29/21	31	T24511377	T15	6/29/21
10	T24511356	HJ04	6/29/21	32	T24511378	T16	6/29/21
11	T24511357	HJ05	6/29/21	33	T24511379	T17	6/29/21
12	T24511358	HJ10	6/29/21	34	T24511380	T18	6/29/21
13	T24511359	PB01	6/29/21	35	T24511381	T19	6/29/21
14	T24511360	PB02	6/29/21	36	T24511382	T20	6/29/21
15	T24511361	PB03	6/29/21	37	T24511383	T21	6/29/21
16	T24511362	PB04	6/29/21	38	T24511384	T22	6/29/21
17	T24511363	T01	6/29/21	39	T24511385	T23	6/29/21
18	T24511364	T02	6/29/21	40	T24511386	T24	6/29/21
19	T24511365	T03	6/29/21	41	T24511387	T25	6/29/21
20	T24511366	T04	6/29/21	42	T24511388	T26	6/29/21
21	T24511367	T05	6/29/21	43	T24511389	T27	6/29/21
22	T24511368	T06	6/29/21	44	T24511390	T28	6/29/21



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:

June 29, 2021



RE: 2845635 - IC CONST - GOMEZ RES.

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

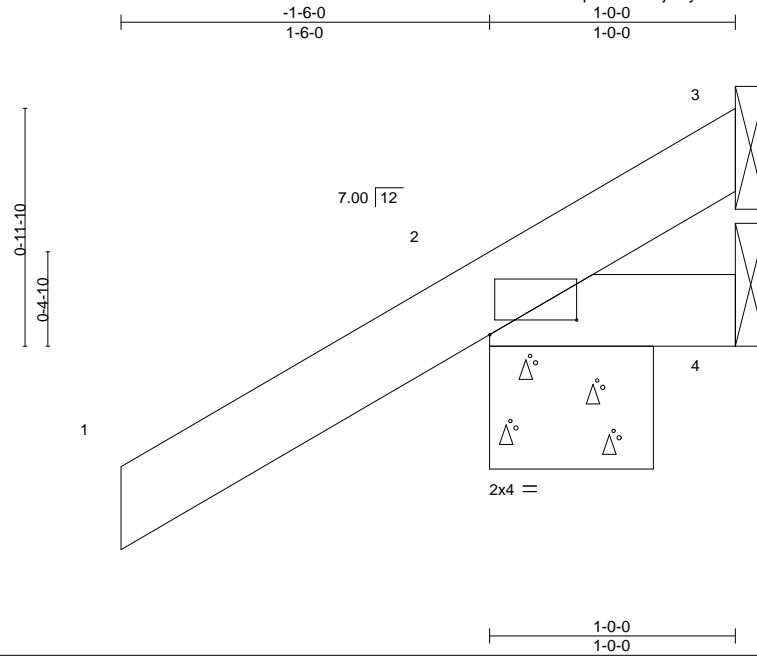
Customer Info: IC Construction Project Name: Gomez Res. Model: Custom
Lot/Block: 77 Subdivision: The Oaks
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
45	T24511391	T29	6/29/21
46	T24511392	T30	6/29/21
47	T24511393	T31	6/29/21
48	T24511394	T32	6/29/21
49	T24511395	T33	6/29/21

Job 2845635	Truss CJ01	Truss Type Jack-Open	Qty 24	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511347
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:44 2021 Page 1
ID:uJkZZVTEhqKQntlaVt8JmYz6ft-m8sC3xk?RbUmZDhRD9oZpYKWIE2_ifcCcShrlz1iPD



Scale = 1:9.4

Plate Offsets (X,Y)-- [2:0-4-4,0-0-12]

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 0.16	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	0.00	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: 6 lb	FT = 20%

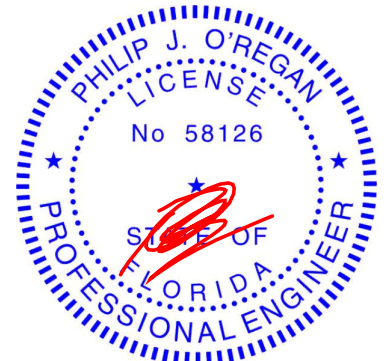
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=46(LC 12)
Max Uplift 3=-6(LC 1), 2=-68(LC 12), 4=-19(LC 1)
Max Grav 3=7(LC 16), 2=179(LC 1), 4=20(LC 16)

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) 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
 - 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) 3, 2, 4.



Philip J. O'Regan PE No.58126
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Date:

June 29,2021

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 - GOMEZ RES.	T24511349
2845635	CJ05	Jack-Open	16	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL),

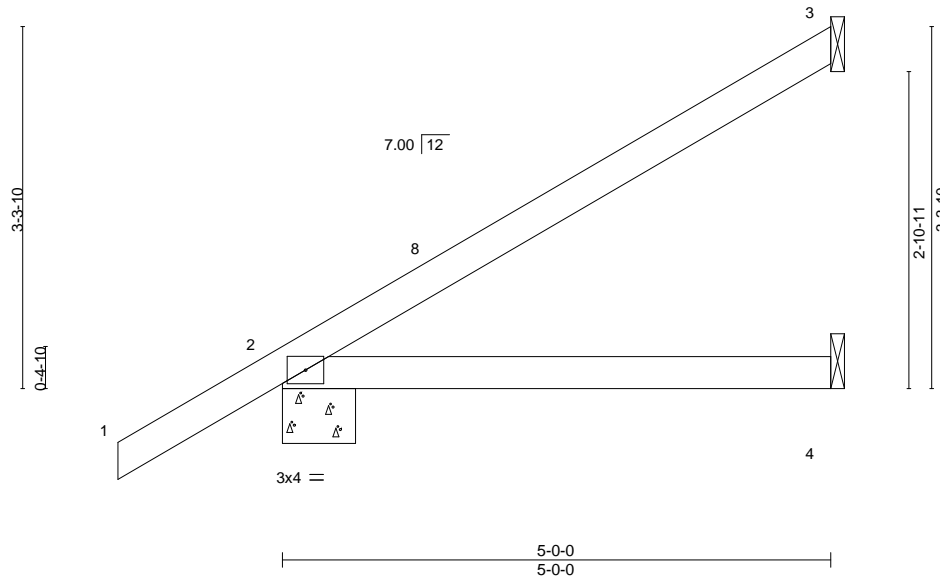
Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:45 2021 Page 1

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Scale = 1:21.0



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.24	Vert(LL) 0.03 4-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Vert(CT) -0.05 4-7 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) 0.00 3 n/a n/a		
	Code FBC2020/TPI2014			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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

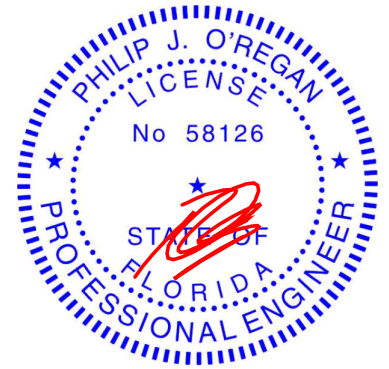
REACTIONS.

(size) 3=Mechanical, 2=0-8-0, 4=Mechanical
Max Horz 2=125(LC 12)
Max Uplift 3=-73(LC 12), 2=-57(LC 12)
Max Grav 3=118(LC 19), 2=276(LC 1), 4=89(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 4-11-4 zone; porch right exposed;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 100 lb uplift at joint(s) 3, 2.



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6904 Parke East Blvd. Tampa FL 33610
Date:

June 29,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss CJ05A	Truss Type Jack-Open	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511350
Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:46 2021 Page 1 ID:uJkZZVTEhqKQntlaVi8jJMyZ6ft-jX_zTcLFyCkUoXQEkaq1uzQrk1hjAZ6V3mAypBz1iPB					
Job Reference (optional)					

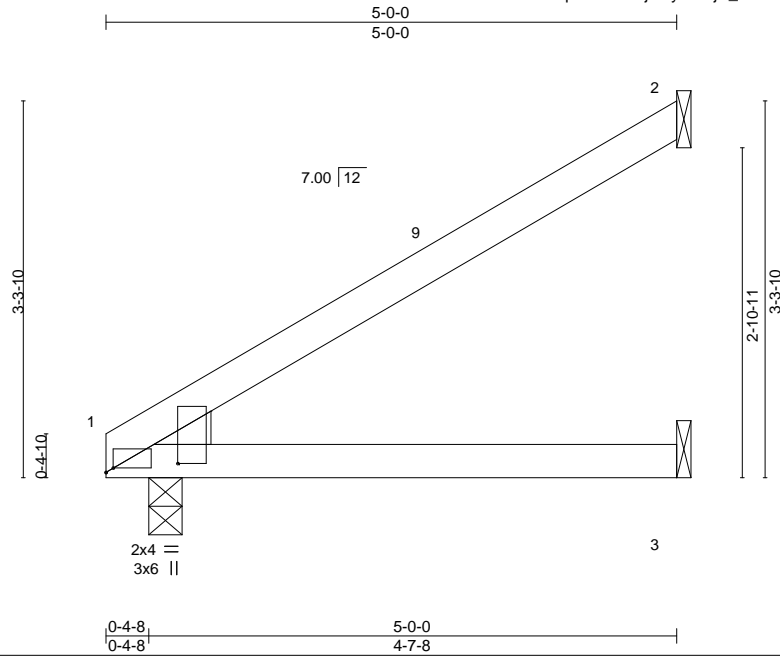


Plate Offsets (X,Y)-- [1:0-0-12,Edge], [1:0-0-15,0-7-9]

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 0.25	Vert(LL)	0.03	3-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	-0.04	3-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						Weight: 17 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.3

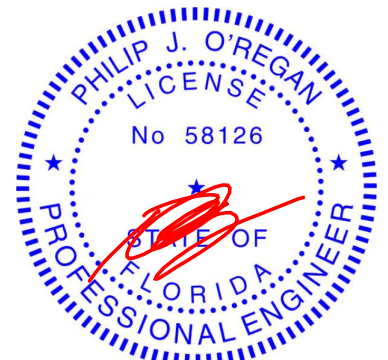
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=Mechanical, 3=Mechanical, 1=0-3-8
Max Horz 1=99(LC 12)
Max Uplift 2=-72(LC 12), 3=-7(LC 12), 1=-21(LC 12)
Max Grav 2=113(LC 19), 3=83(LC 3), 1=198(LC 1)

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 4-11-4 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 100 lb uplift at joint(s) 2, 3, 1.



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

June 29,2021

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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



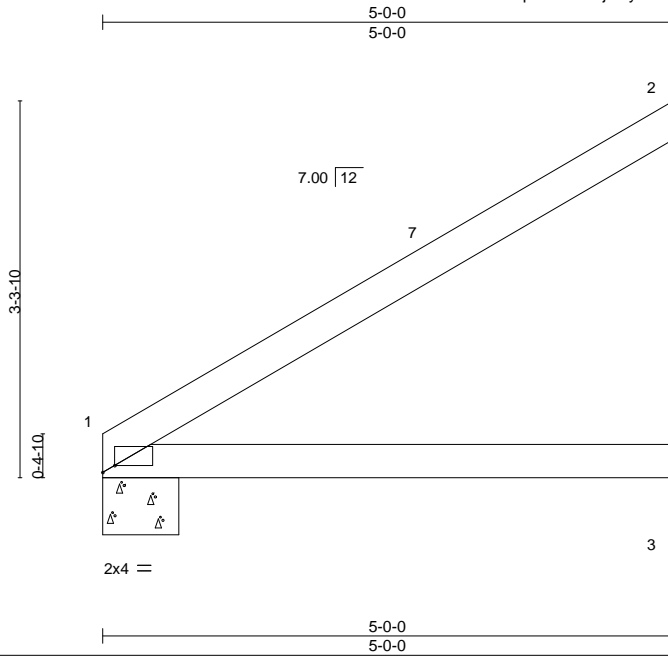
6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss CJ05B	Truss Type Jack-Open	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511351
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:47 2021 Page 1

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Scale = 1:20.2

Plate Offsets (X,Y)-- [1:0-1-4,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 0.31	Vert(LL)	-0.03	3-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.06	3-6	>970	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	1	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						Weight: 16 lb	FT = 20%

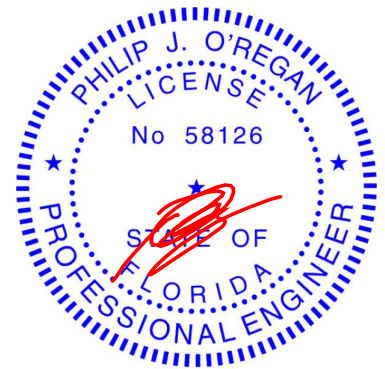
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 1=0-8-0, 2=Mechanical, 3=Mechanical
Max Horz 1=99(LC 12)
Max Uplift 1=-19(LC 12), 2=-76(LC 12), 3=-3(LC 12)
Max Grav 1=183(LC 1), 2=124(LC 19), 3=90(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 4-11-4 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 100 lb uplift at joint(s) 1, 2, 3.



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

June 29,2021

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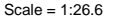
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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6904 Parke East Blvd.
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:47 2021 Page 1
ID:uJkZZVTEhqKQntIaVi8jMyZ6ft-BjYlHyMtiWsLQg?QuHMGRAYyaRxAv0MfiQwVmdz1iPA



LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

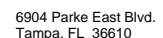
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpI=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 1'-6-0 to 1'-6-0, Interior(1) 1'-6-0 to 6'-11-4 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 100 lb uplift at joint(s) 3, 2.



June 29, 2021

WARNING – verify design parameters READ NOTES ON THIS AND INCLUDED WITHER KEY EXERCISES! SEE MIF-743-167, 3/15/2020 (BY ONE USE).
Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 2670 Cran Highway, Suite 203 Waldorf, MD 20601

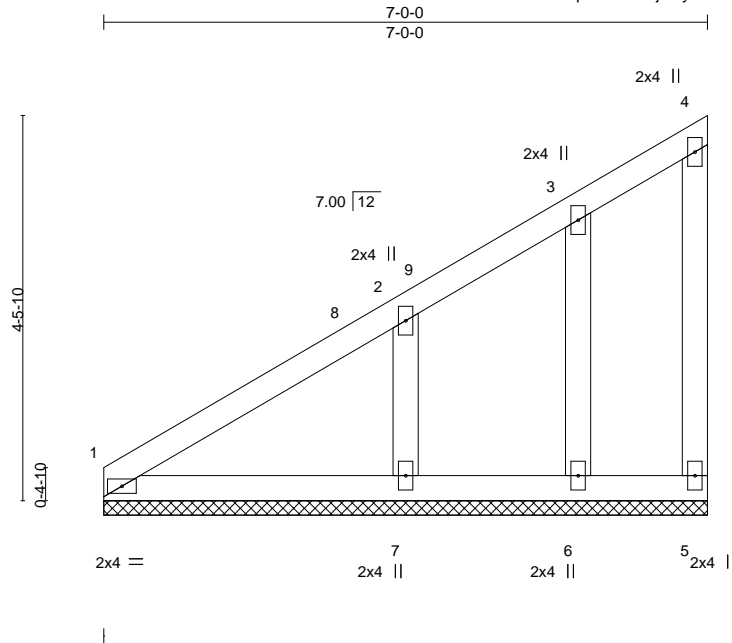


Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.
2845635	EJ02	Jack-Partial Supported Gable	1	1	T24511353
Job Reference (optional)					

Builders FirstSource (Lake City,FL),

Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:48 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-fv6julNWUp?C2qacS_tVzOVB8rO8eSPoX4f3u4z1iP9



Scale = 1:26.7

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 0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 36 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

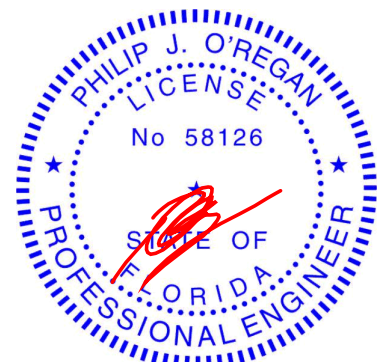
All bearings 7-0-0.
(lb) - Max Horz 1=140(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6 except 7=118(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=278(LC 19)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=197/262

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 Corner(3E) 0-0-0 to 3-0-0, Exterior(2N) 3-0-0 to 6-10-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2-0-0 oc.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6 except (jt=lb) 7=118.



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Date:

June 29,2021

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



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Tampa, FL 36610

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:49 2021 Page 1
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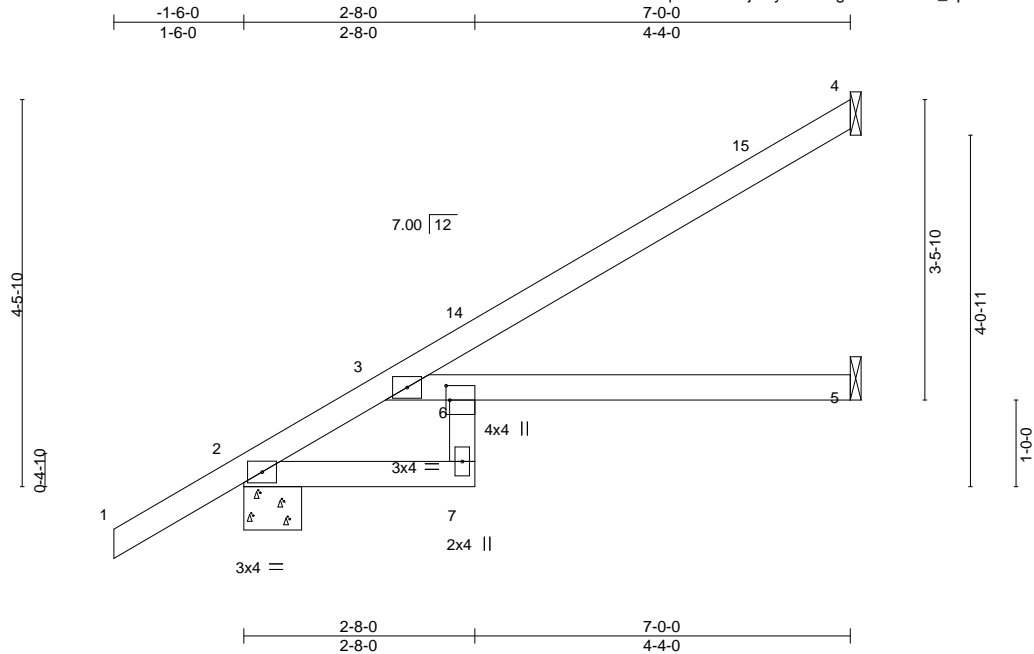


Plate Offsets (X,Y)-- [6:0-2-0,0-0-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.13	5-6	>639	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.23	5-6	>362	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.08	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 28 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-7: 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.

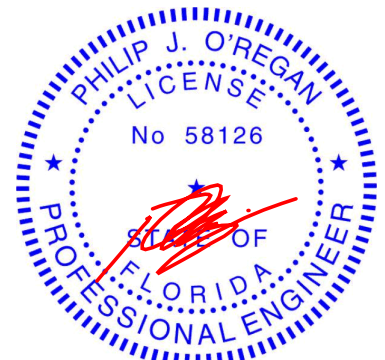
(size) 4=Mechanical, 2=0-8-0, 5=Mechanical
Max Horz 2=159(LC 12)
Max Uplift 4=-77(LC 12), 2=-63(LC 12), 5=-16(LC 12)
Max Grav 4=156(LC 19), 2=359(LC 1), 5=128(LC 3)

FORCES.

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-9=-294/0

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., GCp=-0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-7-10, Interior(1) 1-7-10 to 6-11-4 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 100 lb uplift at joint(s) 4, 2, 5.



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Date:

June 29, 2021

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

WARNING – verify design parameters to READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MH-7473 Rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI 1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Cran Highway, Suite 203 Waldorf, MD 20601



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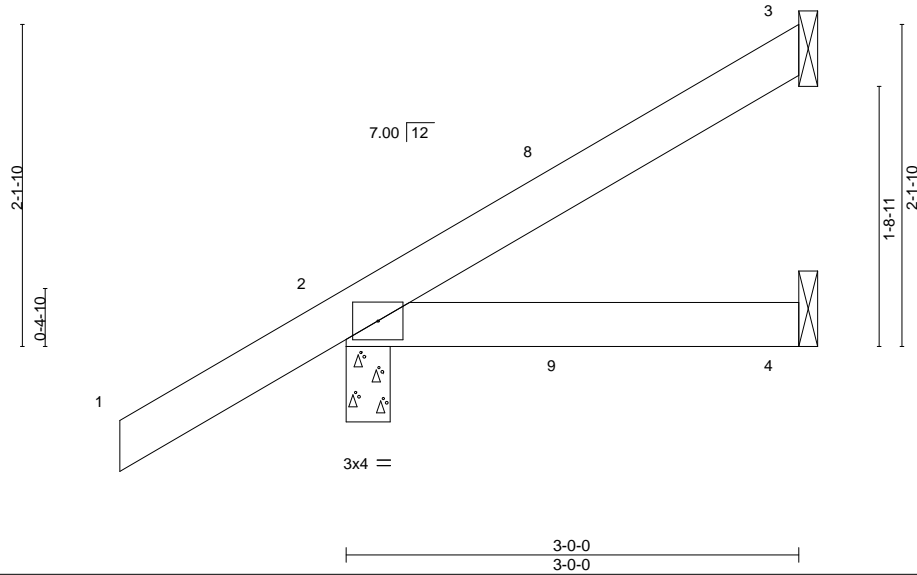
Job 2845635	Truss EJ04	Truss Type Jack-Partial	Qty 5	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511355
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:50 2021 Page 1
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-1-6-0
1-6-0
3-0-0
3-0-0

Scale = 1:15.3



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.09	Vert(LL) 0.01 4-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Vert(CT) -0.01 4-7 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MP	Horz(CT) -0.00 3 n/a n/a		
	Code FBC2020/TPI2014			Weight: 12 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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

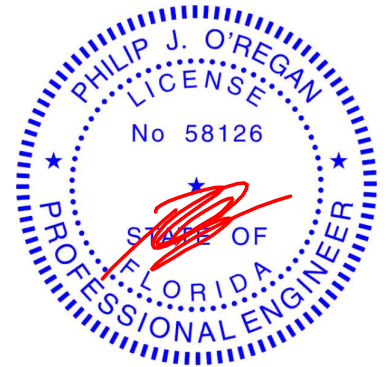
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=85(LC 12)
Max Uplift 3=-39(LC 12), 2=-54(LC 12), 4=-16(LC 9)
Max Grav 3=61(LC 19), 2=210(LC 1), 4=50(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 2-11-4 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
- 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) 3, 2, 4.



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Date:

June 29,2021

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

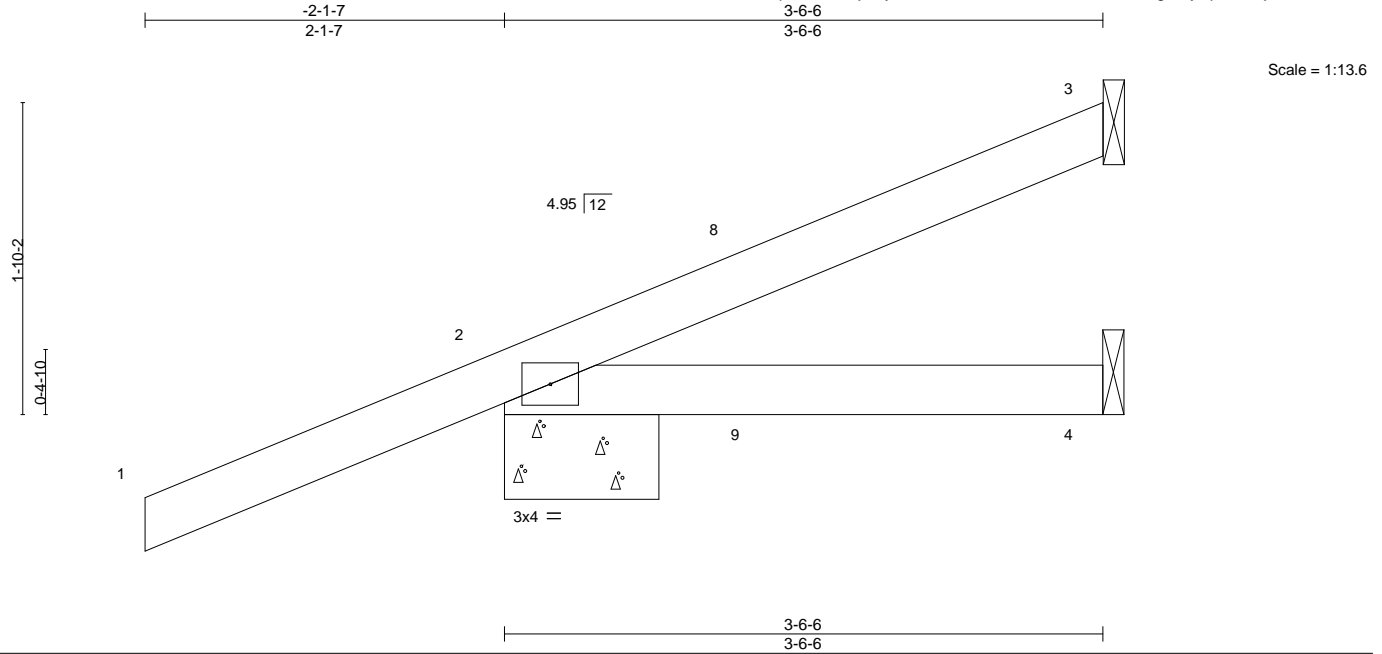


6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss HJ04	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511356
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:51 2021 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.15	Vert(LL) 0.02 4-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Vert(CT) -0.02 4-7 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MP	Horz(CT) 0.00 2 n/a n/a		
	Code FBC2020/TPI2014			Weight: 15 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 3-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-10-15, 4=Mechanical
Max Horz 2=75(LC 8)
Max Uplift 3=-47(LC 8), 2=-123(LC 4), 4=-18(LC 17)
Max Grav 3=66(LC 1), 2=278(LC 1), 4=58(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; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable studs spaced at 2-0-0 oc.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=123.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 73 lb up at 1-6-1, and 61 lb down and 73 lb up at 1-6-1 on top chord, and 19 lb down and 44 lb up at 1-6-1, and 19 lb down and 44 lb up at 1-6-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20



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Date:

June 29,2021

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

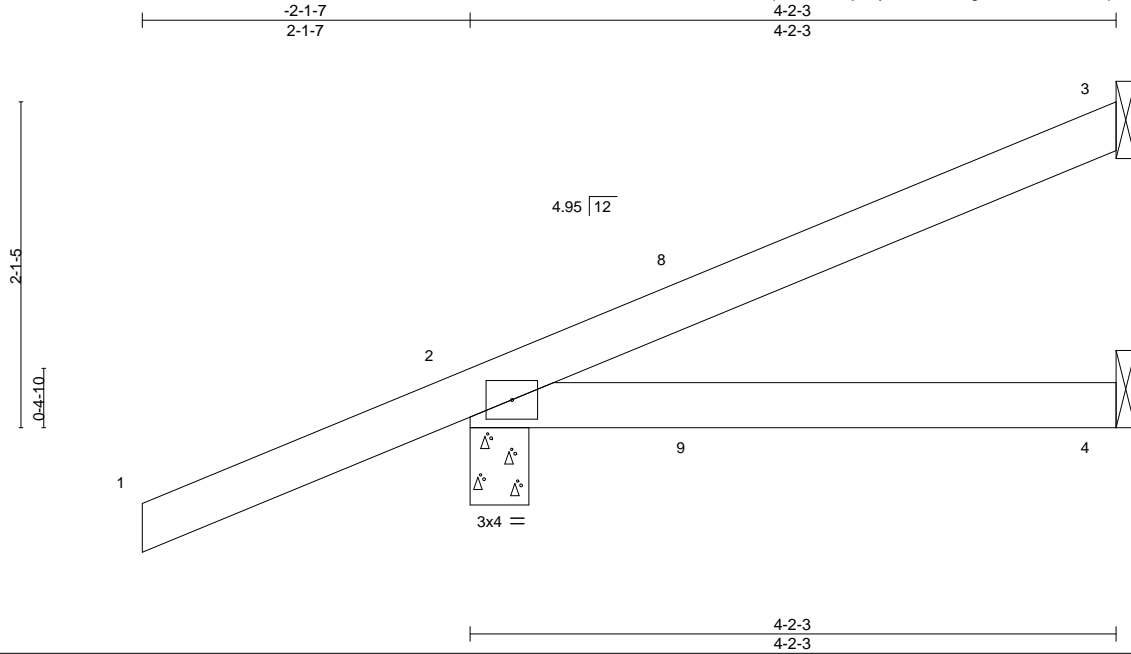


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Tampa, FL 36610

Job 2845635	Truss HJ05	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511357
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:52 2021 Page 1
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Scale = 1:14.9

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 0.30	Vert(LL)	0.02	4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	-0.03	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						Weight: 17 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 4-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=84(LC 8)
Max Uplift 3=-55(LC 8), 2=-154(LC 4), 4=-30(LC 5)
Max Grav 3=84(LC 1), 2=296(LC 1), 4=71(LC 3)

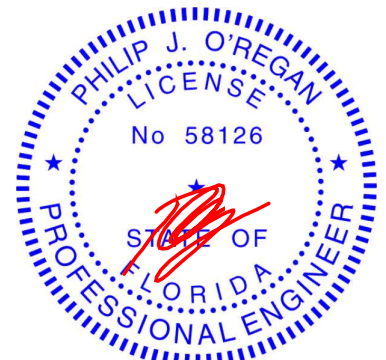
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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; porch left and right exposed; 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) 3, 4 except (jt=lb) 2=154.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 73 lb up at 1-6-1, and 61 lb down and 73 lb up at 1-6-1 on top chord, and 42 lb down and 44 lb up at 1-6-1, and 42 lb down and 44 lb up at 1-6-1 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).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20



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MiTek USA, Inc. FL Cert 6634
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Date:

June 29,2021

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

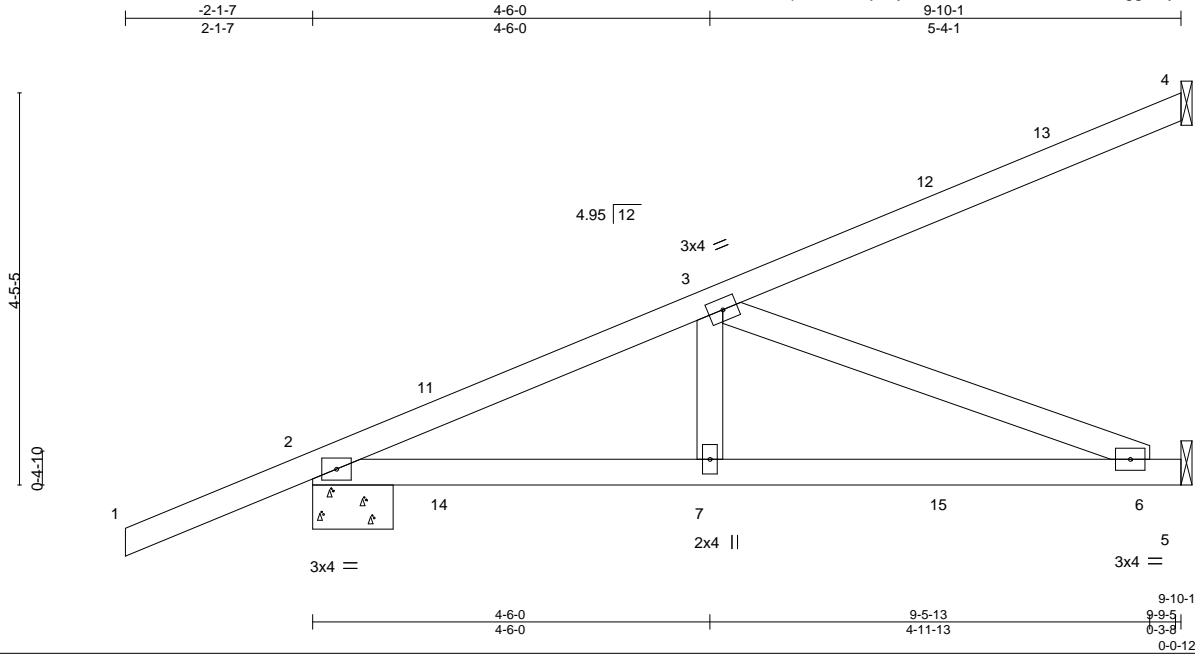


6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss HJ10	Truss Type Diagonal Hip Girder	Qty 9	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511358
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:53 2021 Page 1
ID:uJkZZVTEhKQntlaVi8jMyZ6ft-?tvCx0ReJMdU8bTaEYSggRCy3szTJemXgMNqZHz1iP4



Scale = 1:26.1

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.57	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.59	Vert(LL) 0.06 6-7 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.39	Vert(CT) -0.12 6-7 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.01 5 n/a n/a		
	Code FBC2020/TPI2014			Weight: 44 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 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 9-7-3 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-10-15, 5=Mechanical
Max Horz 2=159(LC 8)
Max Uplift 4=-84(LC 8), 2=-258(LC 4), 5=-150(LC 5)
Max Grav 4=147(LC 1), 2=526(LC 1), 5=299(LC 1)

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

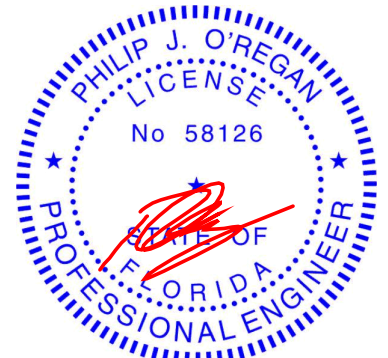
TOP CHORD 2-3=-711/313
BOT CHORD 2-7=-362/628, 6-7=-362/628
WEBS 3-7=-66/282, 3-6=-673/388

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; porch left and right exposed; 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.
- 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) 4 except (it=lb) 2=258, 5=150.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 61 lb down and 73 lb up at 1-6-1, 61 lb down and 73 lb up at 1-6-1, 74 lb down and 42 lb up at 4-4-0, 74 lb down and 42 lb up at 4-4-0, and 101 lb down and 82 lb up at 7-1-15, and 106 lb down and 84 lb up at 7-1-15 on top chord, and 42 lb down and 44 lb up at 1-6-1, 42 lb down and 44 lb up at 1-6-1, 19 lb down and 24 lb up at 4-4-0, 19 lb down and 24 lb up at 4-4-0, and 66 lb down and 22 lb up at 7-1-15, and 69 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-5(F=-3, B=-3) 12=-68(F=-36, B=-32) 15=-61(F=-29, B=-32)



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

June 29,2021

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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

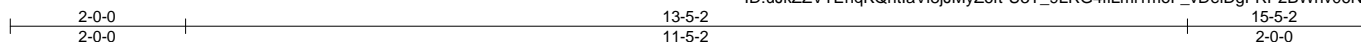


6904 Parke East Blvd.
Tampa, FL 33610

Job 2845635	Truss PB01	Truss Type GABLE	Qty 2	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511359
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:54 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-U3T_9LRG4fLm1moF_vDeIDgFRP2BWhv06N5jz1iP3



Scale = 1:26.3

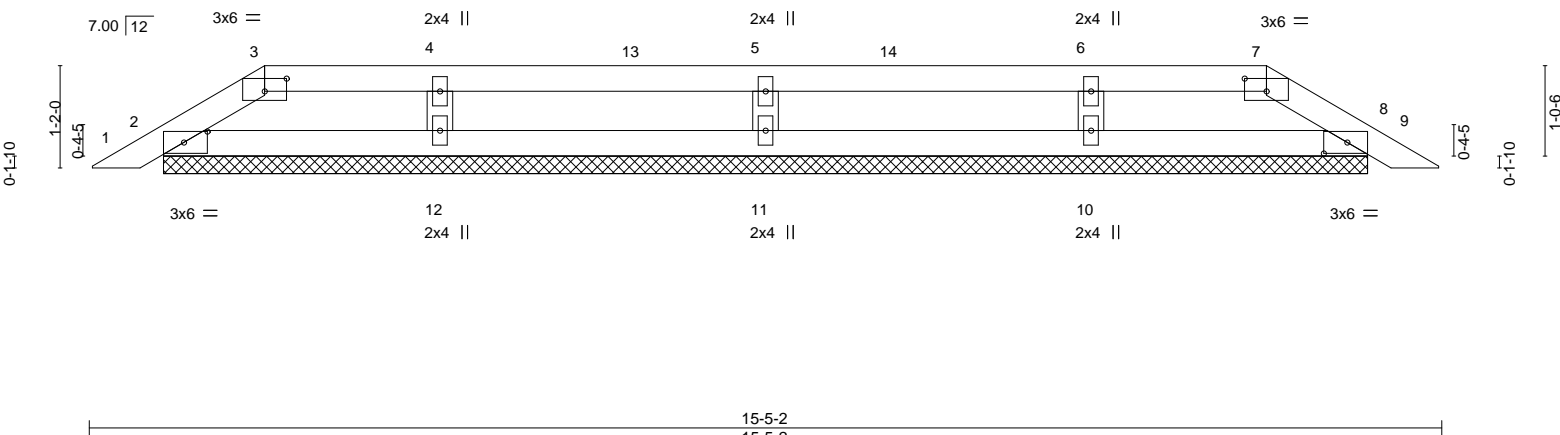


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [3:0-3-0,0-1-12], [7:0-3-0,0-1-12], [8:0-3-3,0-1-8]

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 0.13	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	0.00	9	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 46 lb	FT = 20%

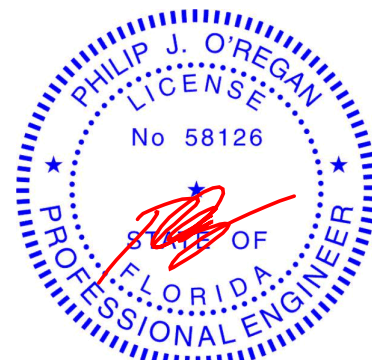
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 13-8-13.
(lb) - Max Horz 2=-22(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11, 10, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 8 except 11=283(LC 24), 10=259(LC 24), 12=259(LC 23)

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 2-0-0, Exterior(2R) 2-0-0 to 6-2-15, Interior(1) 6-2-15 to 13-5-2, Exterior(2E) 13-5-2 to 15-1-7 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.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 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, 8, 11, 10, 12.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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6904 Parke East Blvd. Tampa FL 33610
Date:

June 29,2021

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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 2845635	Truss PB02	Truss Type GABLE	Qty 2	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511360
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:55 2021 Page 1
ID:uJkZZVTEhqKQntlaVi8jMyZ6ft-yG1MMhSvrzICovcyMzV8lsIO2fnjefq8gsweAz1iP2

4-0-0
4-0-0

11-5-2
7-5-2

15-5-2
4-0-0

Scale = 1:26.3

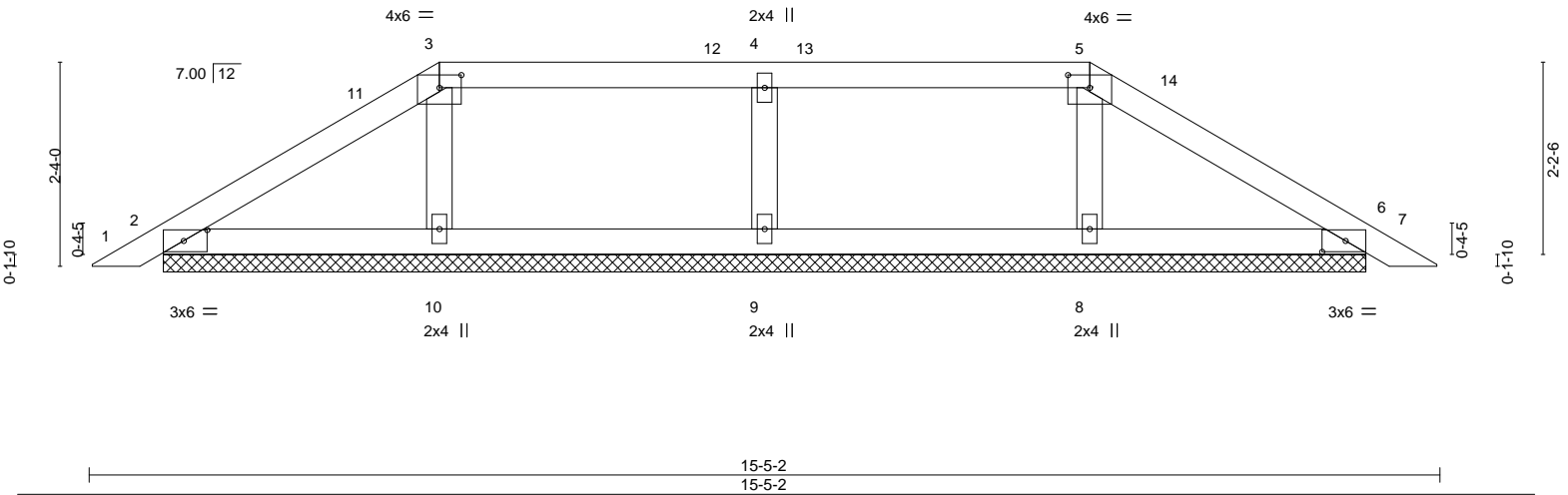


Plate Offsets (X,Y)-- [2:0-3-0,0-1-8], [3:0-3-0,0-1-12], [5:0-3-0,0-1-12], [6:0-3-3,0-1-8]

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 0.15	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	0.00	7	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 52 lb	FT = 20%

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

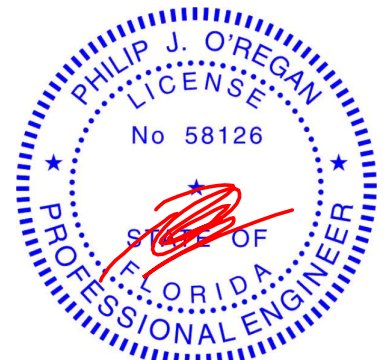
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-8-13.
(lb) - Max Horz 2=48(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9, 8, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=302(LC 23), 8=252(LC 1), 10=252(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 8-2-15, Interior(1) 8-2-15 to 11-5-2, Exterior(2E) 11-5-2 to 15-1-7 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 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, 6, 9, 8, 10.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

June 29,2021

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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 - GOMEZ RES.	T24511361
2845635	PB03	GABLE	2	1	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:56 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-QSbla1TXcH?3?3B9wg0NI3qaj37JW52_NKbUAacz1iP1

15-5-2
15-5-2

Scale = 1:26.3

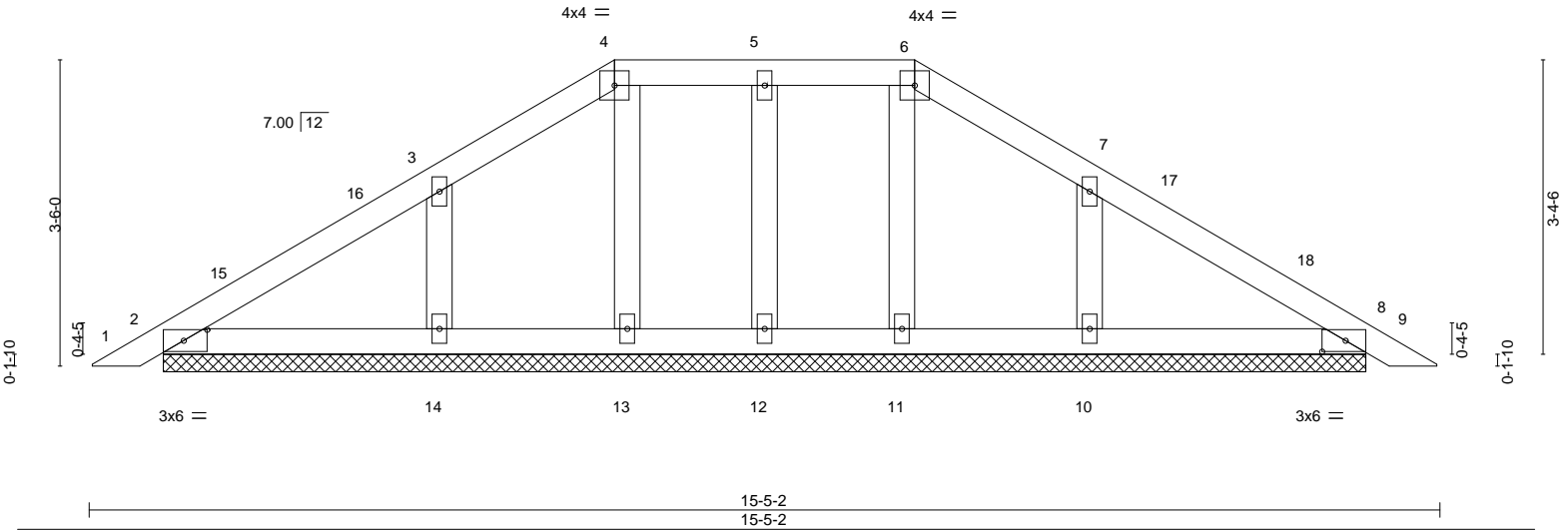


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [3:0-0-0,0-0-0], [8:0-3-3,0-1-8]

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 0.09	Vert(LL)	0.00	9	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	0.00	9	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						Weight: 63 lb	FT = 20%

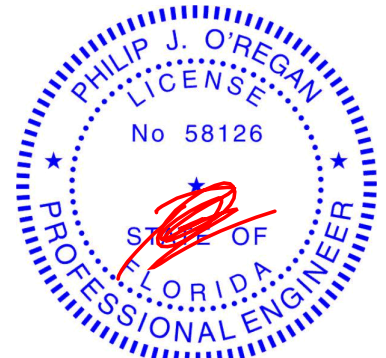
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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 13-8-13.
(lb) - Max Horz 2=73(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 13, 11 except 10=103(LC 13), 14=104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 10, 13, 11 except 14=250(LC 19)

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

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-11 to 3-3-11, Interior(1) 3-3-11 to 6-0-0, Exterior(2E) 6-0-0 to 9-5-2, Exterior(2R) 9-5-2 to 13-8-1, Interior(1) 13-8-1 to 15-1-7 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are 2x4 MT20 unless otherwise indicated.
 - 7) Gable requires continuous bottom chord bearing.
 - 8) Gable studs spaced at 4-0-0 oc.
 - 9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 10) * 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.
 - 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 12, 13, 11 except (jt=lb) 10=103, 14=104.
 - 12) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

June 29,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss PB04	Truss Type Piggyback	Qty 12	Ply 1	IC CONST - GOMEZ RES.	T24511362
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Builders FirstSource, Lake City, FL 32055

8.430 s Mar 22 2021 MiTek Industries, Inc. Tue Jun 29 12:34:50 2021 Page 1
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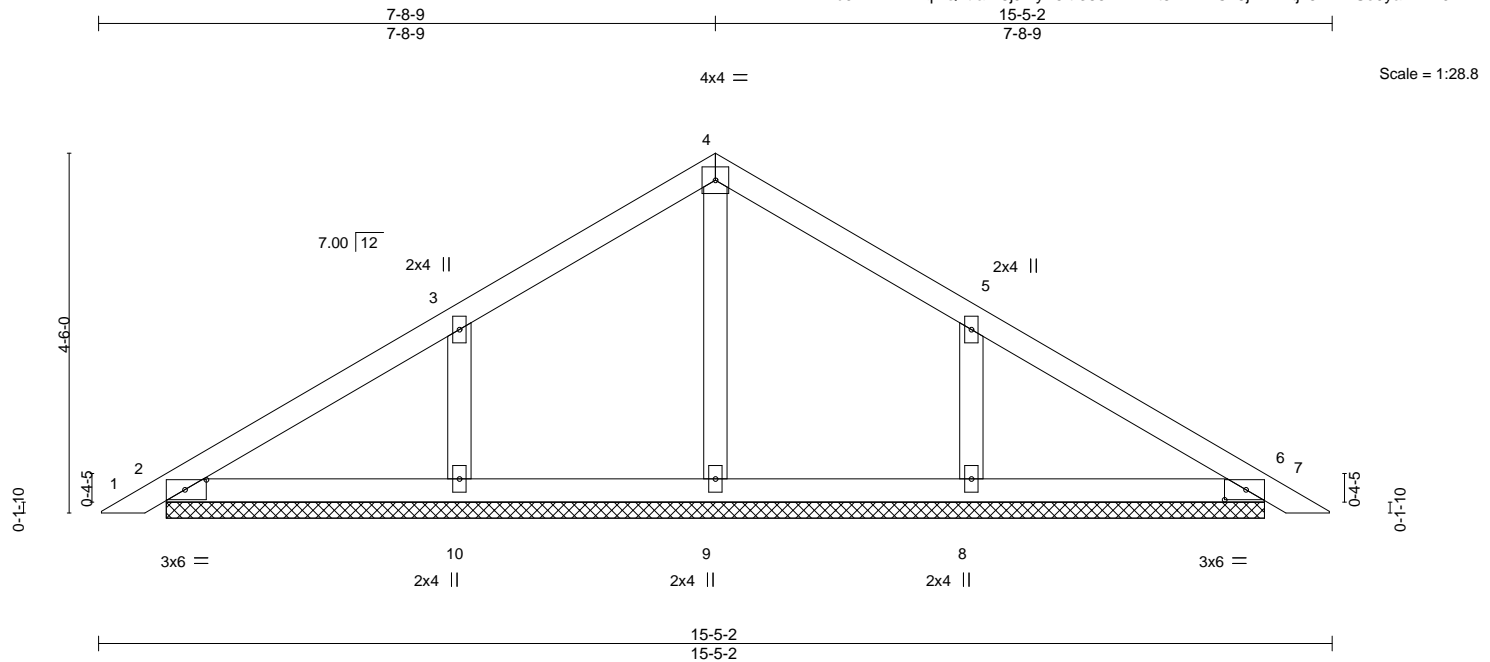


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [6:0-3-3,0-1-8]

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 0.14	Vert(LL)	0.00	7	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	0.01	7	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S					Weight: 58 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

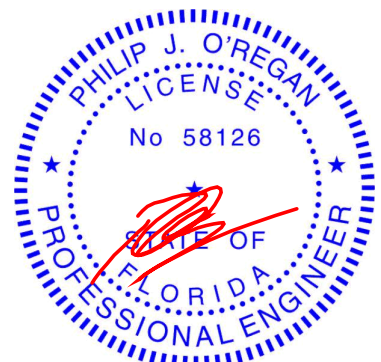
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 13-8-13.
(lb) - Max Horz 2=-95(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-133(LC 12), 8=-133(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=314(LC 19), 8=314(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 Exterior(2E) 0-3-11 to 3-3-11, Interior(1) 3-3-11 to 7-8-9, Exterior(2R) 7-8-9 to 10-11-0, Interior(1) 10-11-0 to 15-1-7 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 3-6-0 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, 6 except (jt=lb) 10=133, 8=133.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



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Date:

June 29,2021

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



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Tampa, FL 36610

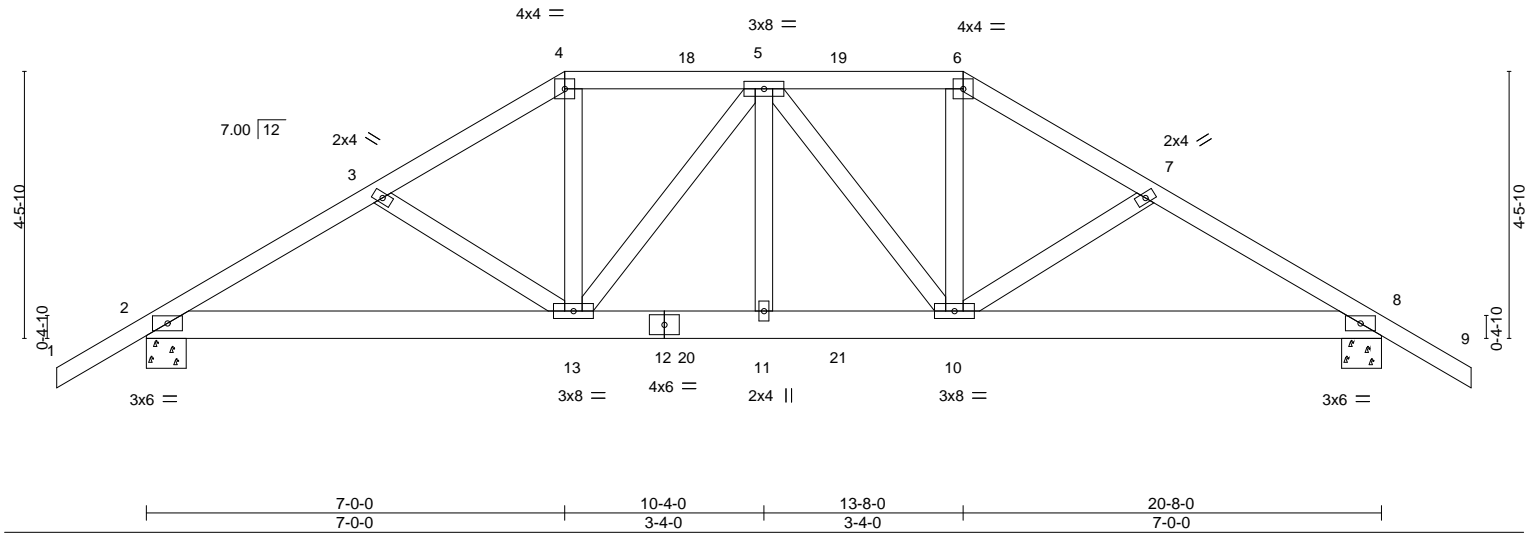
Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.	T24511363
2845635	T01	Hip Girder	2	1	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:03:59 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-q1GtC3VPvCNesWwkboZ4wiS2_G2tjMmQ3lq8nxz1iP_

-1-6-0	3-11-6	7-0-0	10-4-0	13-8-0	16-8-10	20-8-0	22-2-0
1-6-0	3-11-6	3-0-10	3-4-0	3-4-0	3-0-10	3-11-6	1-6-0

Scale = 1:38.6



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.53	Vert(LL) 0.09 11 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.36	Vert(CT) -0.15 11 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.05 8 n/a n/a		
	Code FBC2020/TPI2014			Weight: 129 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-0 oc bracing.

REACTIONS.

(size) 2=0-8-0, 8=0-8-0
Max Horz 2=-110(LC 6)
Max Uplift 2=-580(LC 8), 8=-588(LC 9)
Max Grav 2=1575(LC 1), 8=1598(LC 1)

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

TOP CHORD 2-3=-2650/1022, 3-4=-2495/985, 4-5=-2146/886, 5-6=-2183/898, 6-7=-2540/1000,
7-8=-2694/1038
BOT CHORD 2-13=-879/2262, 11-13=-895/2408, 10-11=-895/2408, 8-10=-820/2300
WEBS 4-13=-332/935, 5-13=-481/265, 5-10=-410/193, 6-10=-293/887

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=580, 8=588.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 101 lb up at 7-0-0, 125 lb down and 98 lb up at 9-0-12, 125 lb down and 91 lb up at 10-4-0, and 125 lb down and 98 lb up at 11-7-4, and 227 lb down and 196 lb up at 13-8-0 on top chord, and 335 lb down and 201 lb up at 7-0-0, 86 lb down and 20 lb up at 9-0-12, 86 lb down and 20 lb up at 10-4-0, and 86 lb down and 20 lb up at 11-7-4, and 335 lb down and 201 lb up at 13-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

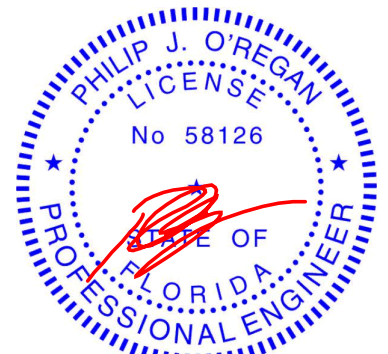
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-6=-54, 6-9=-54, 2-8=-20

Concentrated Loads (lb)

Vert: 4=-109(B) 6=-180(B) 13=-335(B) 11=-64(B) 5=-109(B) 10=-335(B) 18=-109(B) 19=-109(B) 20=-64(B) 21=-64(B)



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Date:

June 29,2021

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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



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A number line from -10 to 10 with tick marks every 1 unit. Above the line, the following numbers are marked: -1-6-0, 4-11-4, 9-0-0, 11-8-0, 15-8-12, 20-8-0, and 22-2-0. Below the line, the following numbers are marked: 1-6-0, 4-11-4, 4-0-12, 2-8-0, 4-0-12, 4-11-4, and 1-6-0.

Scale = 1:39.9

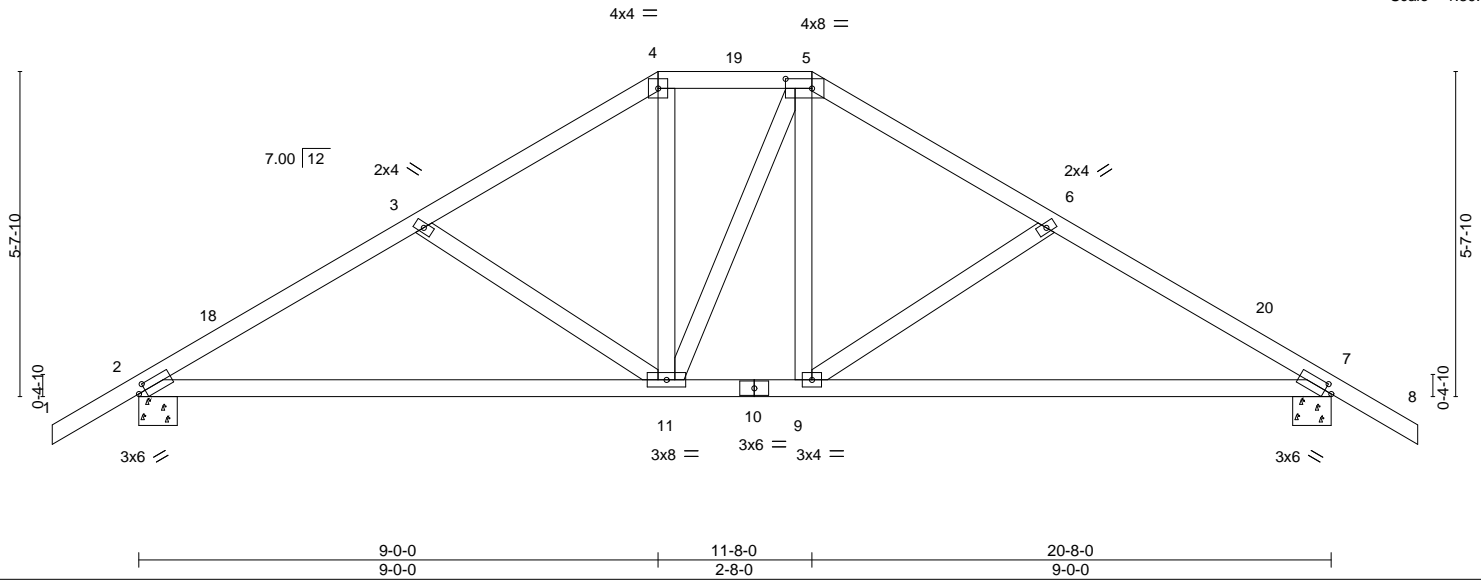


Plate Offsets (X,Y)-- [2:0-1-8,0-1-8], [5:0-5-8,0-2-0], [7:0-1-8,0-1-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d					PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.15	9-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.31	9-17	>802	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014		Matrix-MS						Weight: 109 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-2-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

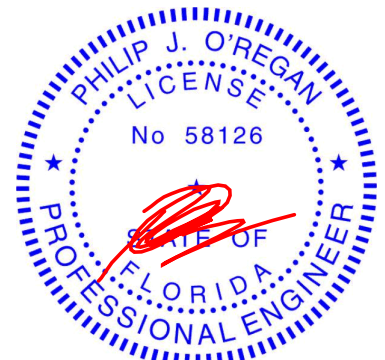
(size) 2=0-8-0, 7=0-8-0
 Max Horz 2=-135(LC 10)
 Max Uplift 2=-191(LC 12), 7=-191(LC 13)
 Max Grav 2=846(LC 1), 7=846(LC 1)

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

TOP CHORD 2-3=-1151/251, 3-4=-921/196, 4-5=-742/199, 5-6=-920/196, 6-7=-1150/252
BOT CHORD 2-11=-223/967, 9-11=-61/741, 7-9=-131/967
WEBS 3-11=-294/167, 4-11=-53/300, 5-9=-62/299, 6-9=-296/167

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDFL=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) 1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-0-0, Exterior(2E) 9-0-0 to 11-8-0, Exterior(2R) 11-8-0 to 15-10-6, Interior(1) 15-10-6 to 22-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=191, 7=191.



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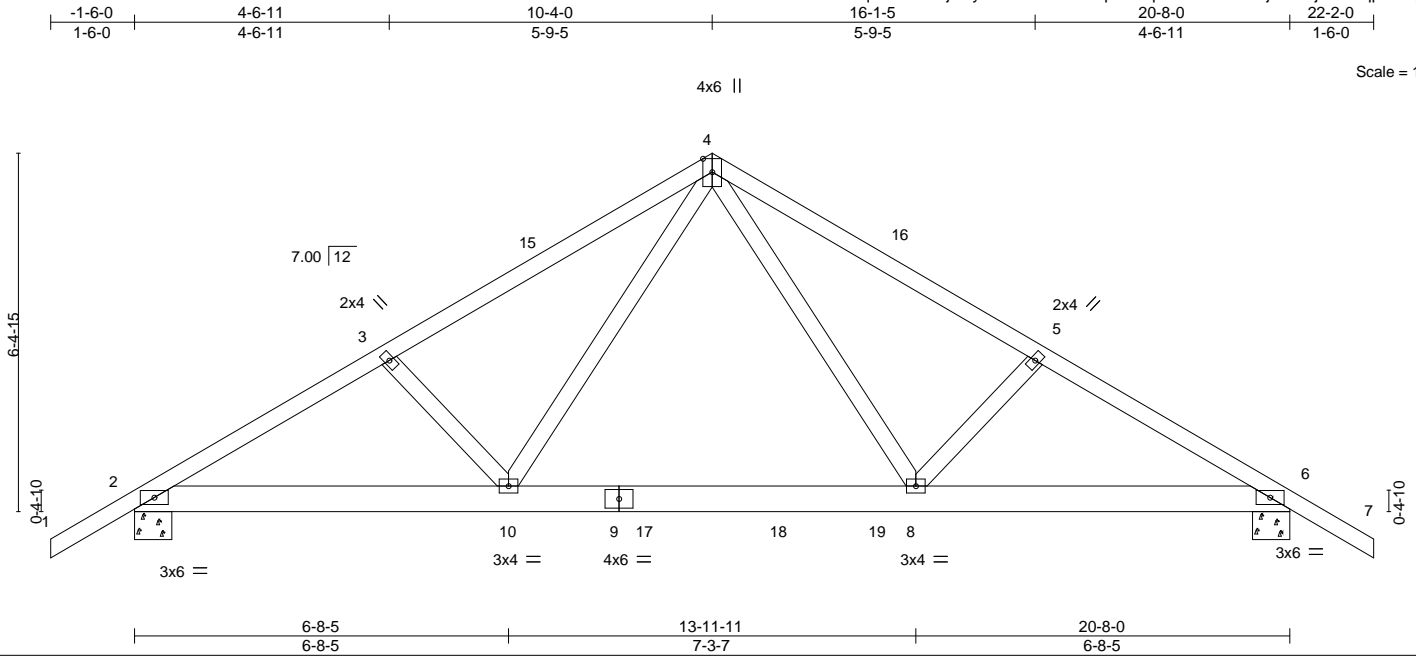
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job 2845635	Truss T03	Truss Type Common	Qty 8	Ply 1	IC CONST - GOMEZ RES. T24511365
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:01 2021 Page 1 ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-mPOedlXfQpdM6q46iDcY?7XLx4j?BHDjWbJFqz1iOy					

Scale = 1:41.2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plate Grip DOL 1.25	BC 0.55	Vert(LL) -0.10 8-10 >999 240		
BCCL 0.0 *	Lumber DOL 1.25	WB 0.30	Vert(CT) -0.18 8-10 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS	Horz(CT) 0.03 6 n/a n/a		
	Code FBC2020/TPI2014			Weight: 119 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-3 oc purlins.
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) 2=0-8-0, 6=0-8-0
Max Horz 2=152(LC 11)
Max Uplift 2=243(LC 12), 6=240(LC 13)
Max Grav 2=1152(LC 19), 6=1139(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1829/380, 3-4=-1695/371, 4-5=-1669/363, 5-6=-1803/373
BOT CHORD 2-10=-356/1654, 8-10=-135/1025, 6-8=-247/1518
WEBS 4-8=-179/821, 5-8=-278/186, 4-10=-191/864, 3-10=-277/186

- 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 10-4-0, Exterior(2R) 10-4-0 to 13-4-0, Interior(1) 13-4-0 to 22-2-0 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) 2=243, 6=240.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-20, 10-19=-80(F=-60), 6-19=-20



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June 29,2021

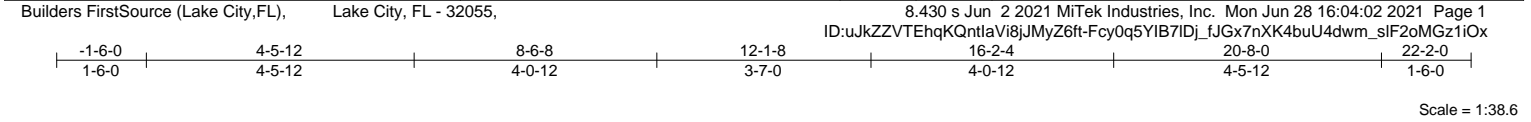
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T04	Truss Type Hip	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511366
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:02 2021 Page 1 ID:uJkZZVTEhqKQntlaVi8jJMyZ6ft-Fcy0q5YIB7IDj_fjGx7nXK4buU4dwm_sIF2oMGz1iOx					



The diagram illustrates a roof truss system with the following components and dimensions:

- Overall Dimensions:**
 - Span: 20'-0"
 - Height: 5'-4.6"
 - Roof Slope: 7:12
- Members and Connections:**
 - Top Chords:** 18' (left), 20' (right). Labeled with "2x4" and a double slash (//).
 - Bottom Chord:** 20'-0" total length, divided into segments of 7'-0", 13'-7-10", and 20'-8-0".
 - Vertical Members:** 11' (left), 9' (right). Labeled with "3x8" and "3x4" respectively.
 - Diagonal Bracing:** 19' (left), 19' (right). Labeled with "5x6" and "5x6" respectively.
 - Horizontal Bracing:** 7'-0" (left), 7'-0" (right). Labeled with "3x6" and "3x6" respectively.
 - Other Members:** 6' (left), 6' (right). Labeled with "2x4" and a double slash (//).
- Supports:**
 - Left Support: 3x6 =
 - Right Support: 3x6 =
- Labels and Notes:**
 - Labels 1 through 11 are placed at various joints and members.
 - Notes include "7-0-6", "13-7-10", "20-8-0", "7-0-6", "6-7-5", "20-8-0", "7-0-6", "7-0-6", "6-7-5", "20-8-0", "7-0-6",

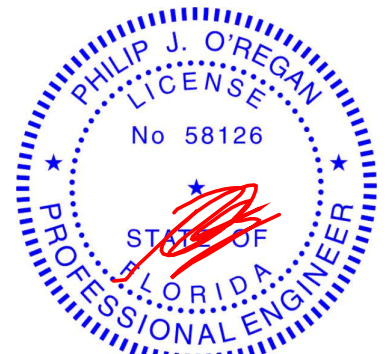
LOADING (psf)	SPACING-	2-0-0	CSL	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.18	Vert(LL) -0.05 9-17 >999 240	MT20	244/190	
TCDL 7.0	Lumber DOL 1.25	BC 0.46	Vert(CT) -0.11 9-17 >999 180			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.13	Horz(CT) 0.03 7 n/a n/a			
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS				
					Weight: 107 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-8 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size) 2=0-8-0, 7=0-8-0
	Max Horz 2=-130(LC 10)
	Max Uplift 2=-192(LC 12), 7=-192(LC 13)
	Max Grav 2=846(LC 1), 7=846(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-1201/252, 3-4=-1038/233, 4-5=-750/224, 5-6=-1035/232, 6-7=-1201/253
BOT CHORD	2-11=-226/998, 9-11=-70/750, 7-9=-139/998
WEBS	4-11=-52/351, 5-9=-68/351

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 8-6-8, Exterior(2E) 8-6-8 to 12-1-8, Exterior(2R) 12-1-8 to 16-3-9, Interior(1) 16-3-9 to 22-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=192, 7=192.



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Date:

June 29,2021

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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



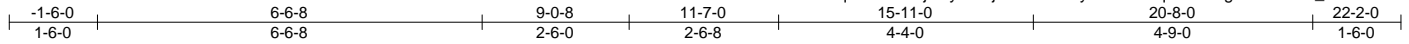
6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T05	Truss Type Roof Special	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511367
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:03 2021 Page 1

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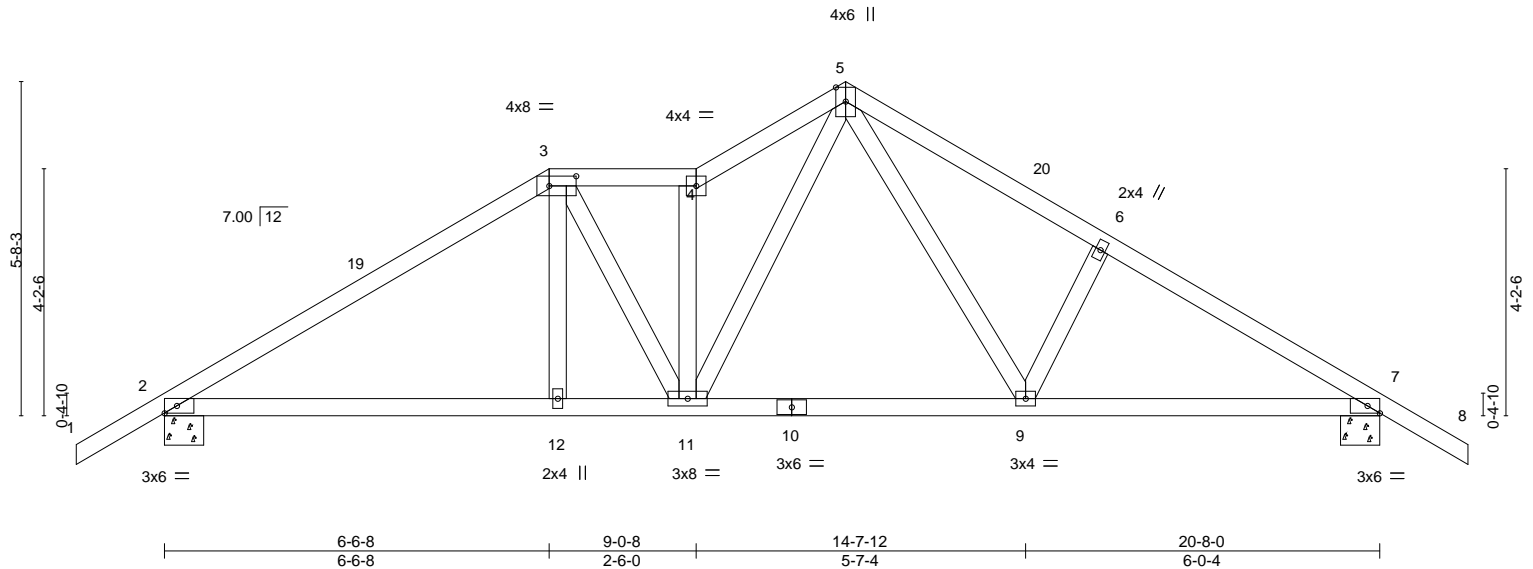


Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [7:0-2-8,Edge]

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 0.49	Vert(LL)	-0.06 12-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.13 12-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.24	Horz(CT)	0.03 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 110 lb	FT = 20%

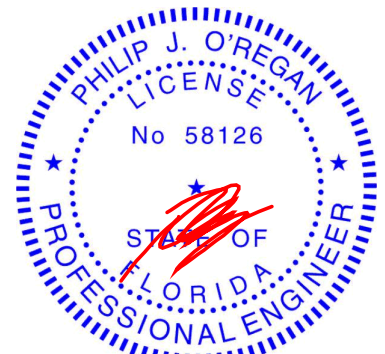
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-8-0, 7=0-8-0
Max Horz 2=-136(LC 10)
Max Uplift 2=-199(LC 12), 7=-181(LC 13)
Max Grav 2=846(LC 1), 7=846(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1132/233, 3-4=-976/236, 4-5=-1169/308, 5-6=-1109/263, 6-7=-1207/235
BOT CHORD 2-12=-183/904, 11-12=-183/910, 9-11=-87/714, 7-9=-135/997
WEBS 4-11=-645/187, 5-11=-196/639, 5-9=-124/396

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 6-6-8, Exterior(2E) 6-6-8 to 9-0-8, Interior(1) 9-0-8 to 11-7-0, Exterior(2R) 11-7-0 to 14-7-0, Interior(1) 14-7-0 to 22-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=199, 7=181.



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Date:

June 29,2021

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Tampa, FL 36610

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:04 2021 Page 1
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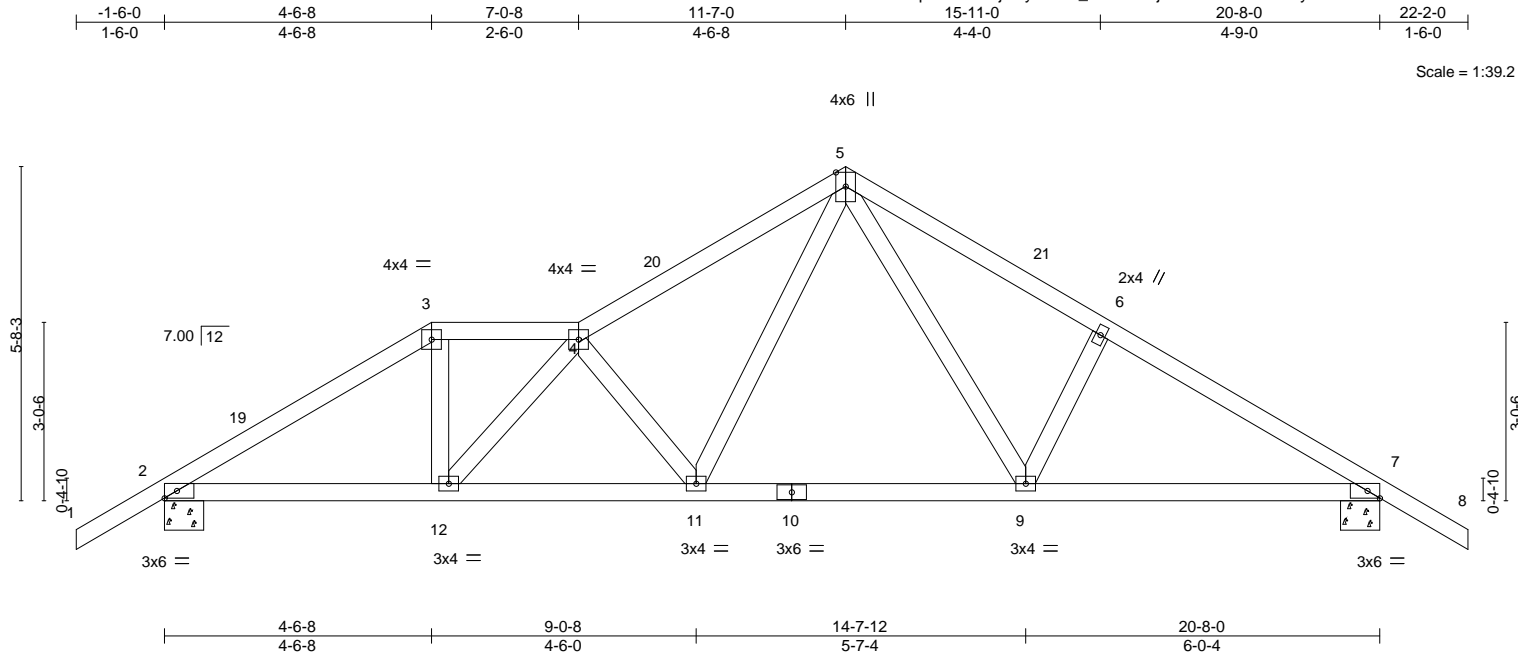


Plate Offsets (X,Y)-- [7:0-2-8,Edge]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.27	Vert(LL)	-0.05	11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	-0.10	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 106 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-1-3 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

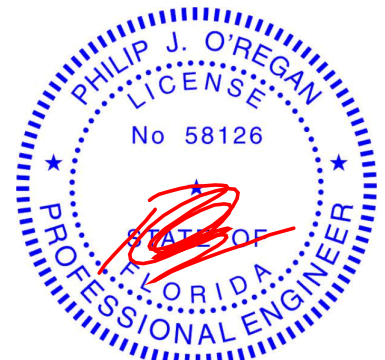
(size) 2=0-8-0, 7=0-8-0
 Max Horz 2=-136(LC 10)
 Max Uplift 2=-199(LC 12), 7=-181(LC 13)
 Max Grav 2=846(LC 1), 7=846(LC 1)

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

TOP CHORD 2-3=-1203/247, 3-4=-1007/247, 4-5=-1176/271, 5-6=-1106/260, 6-7=-1204/233
BOT CHORD 2-12=-219/985, 11-12=-272/1279, 9-11=-89/719, 7-9=-135/995
WEBS 3-12=-50/409, 4-12=-418/99, 4-11=-529/203, 5-11=-146/581, 5-9=-124/388

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCp=-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 4-6-8, Exterior(2E) 4-6-8 to 7-0-8, Interior(1) 7-0-8 to 11-7-0, Exterior(2R) 11-7-0 to 14-7-0, Interior(1) 14-7-0 to 22-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=199, 7=181.



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

June 29, 2021

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

WARNING – verify design parameters to READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MH-7473 Rev. 5/19/2020 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI 1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Cran Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T07	Truss Type Roof Special Girder	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511369
Job Reference (optional)					

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:05 2021 Page 1
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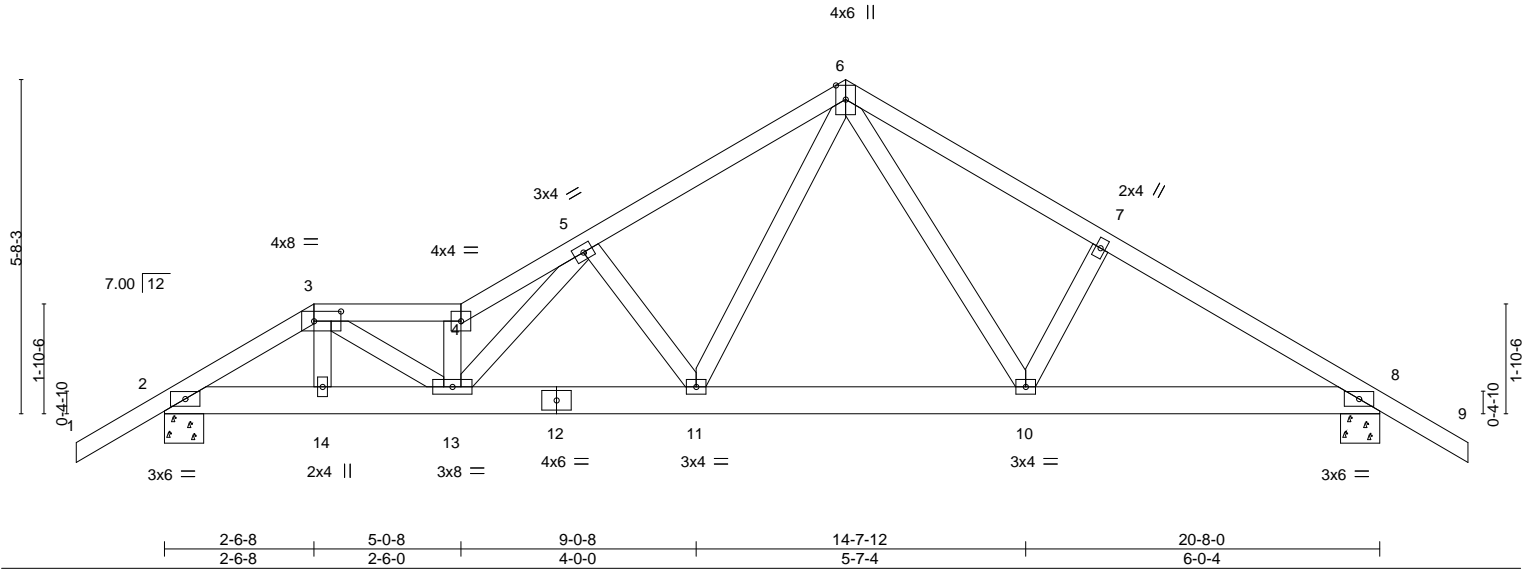


Plate Offsets (X,Y)-- [3:0-5-8,0-2-0]

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 0.24	Vert(LL)	-0.07 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.39	Vert(CT)	-0.13 11-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.32	Horz(CT)	0.02 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
									Weight: 126 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

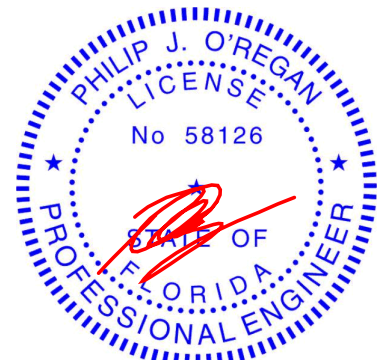
REACTIONS. (size) 2=0-8-0, 8=0-8-0
Max Horz 2=-136(LC 6)
Max Uplift 2=-213(LC 8), 8=-186(LC 9)
Max Grav 2=847(LC 1), 8=846(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1314/296, 3-4=-1740/378, 4-5=-2130/478, 5-6=-1232/291, 6-7=-1128/265,
7-8=-1221/236
BOT CHORD 2-14=-284/1110, 13-14=-286/1122, 11-13=-289/1302, 10-11=-93/731, 8-10=-137/1015
WEBS 3-13=-160/739, 4-13=-1111/266, 5-13=-200/850, 5-11=-515/213, 6-11=-173/641,
6-10=-124/393

- 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; 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 100 lb uplift at joint(s) except (jt=lb) 2=213, 8=186.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down and 40 lb up at 2-6-8 on top chord, and 51 lb down and 48 lb up at 2-6-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-6=-54, 6-9=-54, 2-8=-20
Concentrated Loads (lb)
Vert: 3=-2(F) 14=0(F)



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Date:

June 29,2021

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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



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.	T24511370
2845635	T08	Half Hip Girder	1	2	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:09 2021 Page 2
ID:uJkZZVTEhqKQntlaVi8jJMyZ6ft-XytlfUdhYGeD33hfAvlQKptlOIYh3vyuMrFg6Mz1iOq

NOTES-

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 101 lb up at 7-0-0, 125 lb down and 98 lb up at 9-0-12, 120 lb down and 81 lb up at 11-0-12, 120 lb down and 81 lb up at 13-0-12, 120 lb down and 81 lb up at 15-0-12, 120 lb down and 81 lb up at 17-0-12, and 120 lb down and 81 lb up at 19-0-12, and 125 lb down and 98 lb up at 21-0-12 on top chord, and 86 lb down and 20 lb up at 9-2-4, 88 lb down and 36 lb up at 11-0-12, 88 lb down and 36 lb up at 13-0-12, 88 lb down and 36 lb up at 15-0-12, 88 lb down and 36 lb up at 17-0-12, and 88 lb down and 36 lb up at 19-0-12, and 86 lb down and 20 lb up at 21-0-12 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, 4-13=-54, 2-23=-20, 20-22=-20, 14-19=-20

Concentrated Loads (lb)

Vert: 4=-109(F) 7=-95(F) 23=-64(F) 5=-109(F) 28=-95(F) 29=-95(F) 30=-95(F) 31=-95(F) 32=-109(F) 34=-84(F) 35=-84(F) 36=-84(F) 37=-84(F) 38=-84(F) 39=-64(F)

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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**



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Tampa, FL 36610

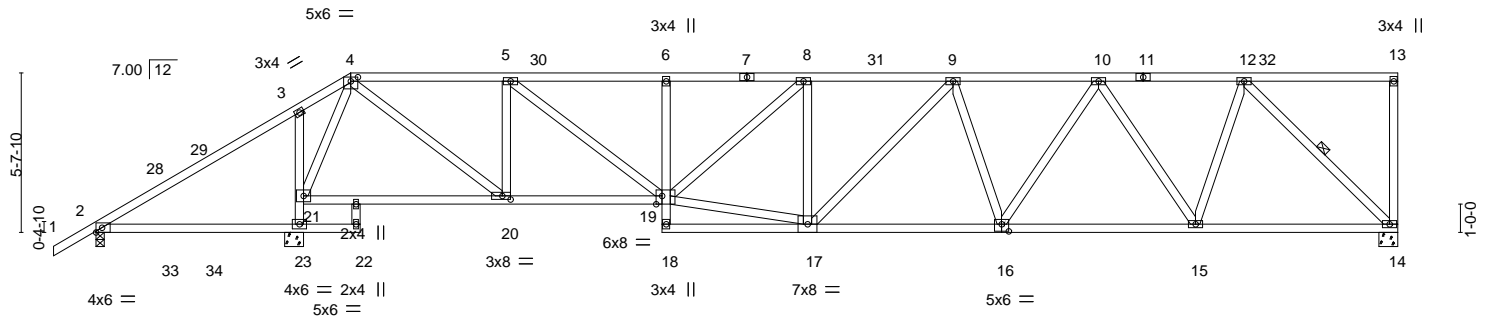
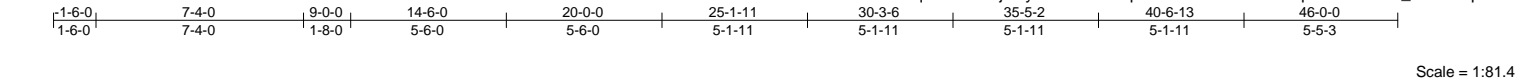


Plate Offsets (X,Y)-- [4:0-3-0,0-1-12], [16:0-3-0,0-3-0], [19:0-2-8,Edge], [20:0-3-8,0-1-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	-0.19	17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.37	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 278 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-18: 2x4 SP No.3
WEBS 2x4 SP No.3

REACTIONS. (size) 14=0-8-0, 2=0-3-8, 23=0-8-0
 Max Horz 2=207(LC 12)
 Max Uplift 14=380(LC 9), 2=-87(LC 24), 23=-503(LC 9)
 Max Grav 14=1387(LC 24), 2=114(LC 1), 23=2017(LC 1)

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

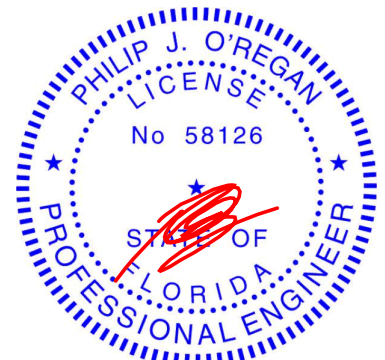
TOP CHORD 2-3=-183/487, 3-4=-115/513, 4-5=-1691/487, 5-6=-2601/734, 6-8=-2581/729,
8-9=-2436/673, 9-10=-2271/617, 10-12=-1488/398

BOT CHORD 2-23=-356/64, 21-23=-1890/513, 3-21=-317/226, 19-20=-487/1691, 6-19=-277/136,
16-17=-664/2380, 15-16=-549/1966, 14-15=-337/1202

WEBS 4-21=-1691/467, 4-20=-490/1892, 5-20=-1030/350, 5-19=-315/1149, 17-19=-651/2352,
8-17=-395/192, 9-16=-357/153, 10-16=-126/565, 10-15=-885/280, 12-15=-198/938,
12-14=-1689/476

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDFL=4.2psf; BCDLF=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 3-1-3, Interior(1) 3-1-3 to 9-0-0, Exterior(2R) 9-0-0 to 15-6-1, Interior(1) 15-6-1 to 45-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 3x6 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 380 lb uplift at joint 14, 87 lb uplift at joint 2 and 503 lb uplift at joint 23.



Philip J. O'Regan PE No.58126
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Date:

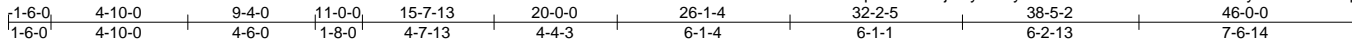
June 29, 2021

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Tampa, FL 36610



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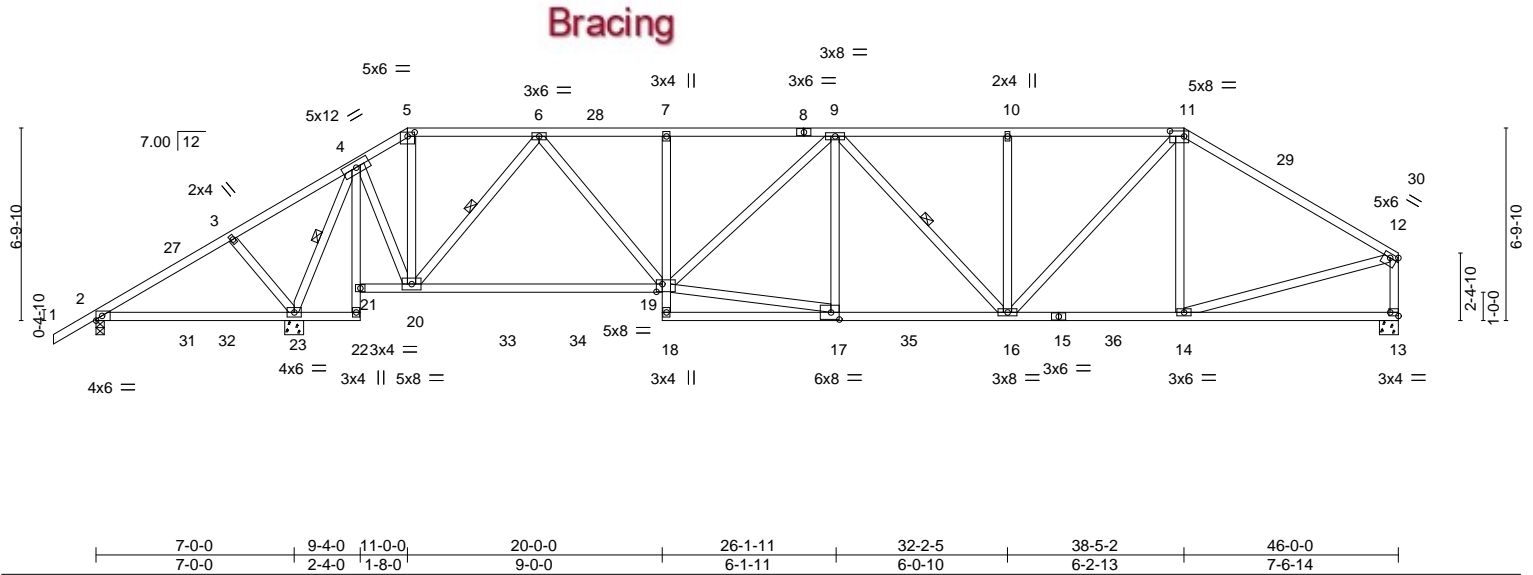


Plate Offsets (X,Y)-- [5:0-3-0,0-1-12], [11:0-6-0,0-2-4], [12:Edge,0-1-12], [13:Edge,0-1-8], [17:0-3-8,0-3-0], [19:0-2-8,0-3-4]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.97	Vert(LL)	-0.28	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.50	19-20	>924	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 296 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	4-22,7-18: 2x4 SP No.3
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 4-23, 6-20, 9-16

REACTIONS.

(size) 2=0-3-8, 23=0-8-0, 13=0-8-0
 Max Horz 2=162(LC 12)
 Max Uplift 2=-357(LC 26), 23=-586(LC 9), 13=-312(LC 13)
 Max Grav 2=98(LC 9), 23=2543(LC 2), 13=1487(LC 2)

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

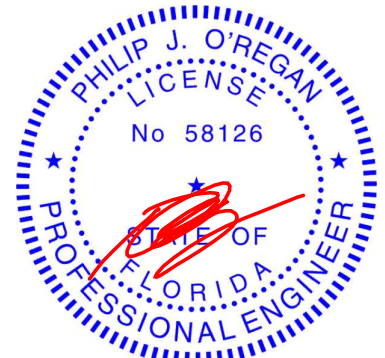
TOP CHORD 2-3=-309/989, 3-4=-306/1121, 4-5=-565/142, 5-6=-472/132, 6-7=-2076/506,
7-9=-2062/507, 9-10=-1997/493, 10-11=-1997/493, 11-12=-1718/371, 12-13=-1366/331

BOT CHORD 2-23=-818/214, 19-20=-318/1360, 7-19=-278/138, 16-17=-441/2115, 14-16=-248/1409

WEBS 3-23=-272/158, 4-23=-2222/481, 4-20=-272/1440, 6-20=-1404/392, 6-19=-232/1134,
17-19=-418/2123, 10-16=-358/182, 11-16=-275/898, 12-14=-243/1366

NOTES-

- 1) Unbalanced roof live loads have been considered for this design
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., Gcpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2R) -1-6-0 to 3-1-3, Interior(1) 3-1-3 to 11-0-0, Exterior(2R) 11-0-0 to 17-6-1, Interior(1) 17-6-1 to 38-5-2, Exterior(2R) 38-5-2 to 44-11-3, Interior(1) 44-11-3 to 45-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 357 lb uplift at joint 2, 586 lb uplift at joint 23 and 312 lb uplift at joint 13.



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Date:

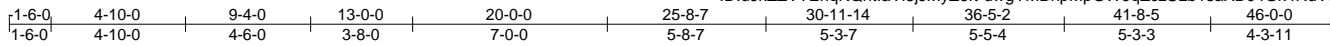
June 29, 2021



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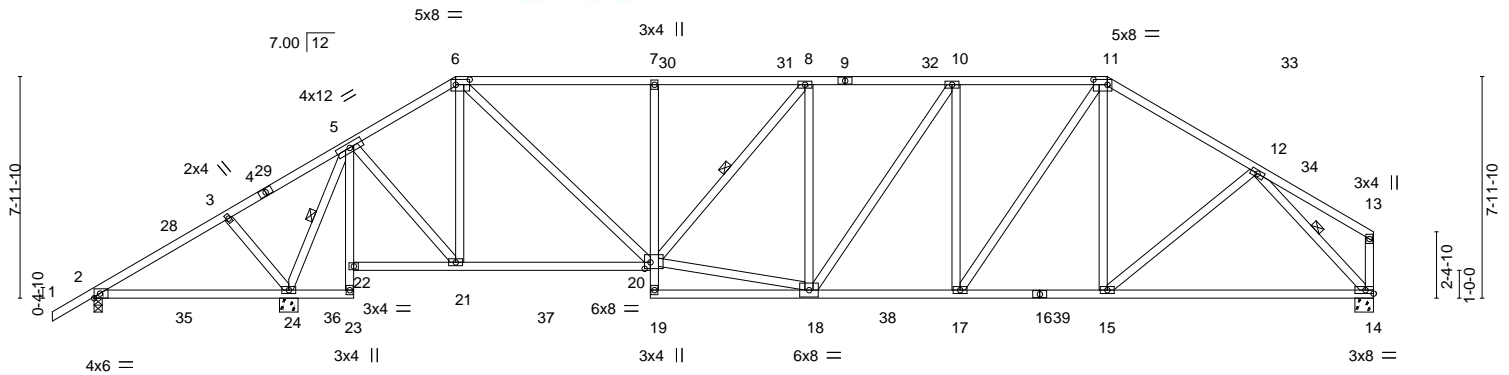


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Scale = 1:82.8

Bracing



	7-0-0	9-4-0	13-0-0	20-0-0	25-5-11	30-11-14	36-5-2	46-0-0
	2-4-0	3-8-0	7-0-0	5-5-11	5-6-3	5-5-4	9-6-14	
Plate Offsets (X,Y)--	[6:0-6-0,0-2-4],	[11:0-6-0,0-2-4],	[20:0-2-8,0-2-12]					

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 0.60	Vert(LL) -0.23 14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.85	Vert(CT) -0.48 14-15	>974	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.68	Horz(CT) 0.08 14	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS				Weight: 310 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-23,7-19: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-8-1 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-24, 8-20, 12-14

REACTIONS.

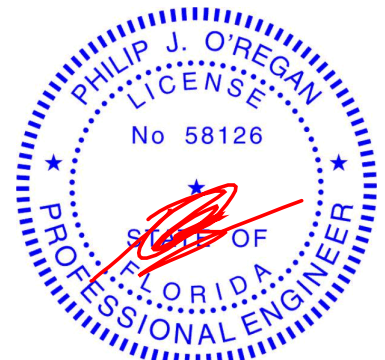
(size) 2=0-3-8, 24=0-8-0, 14=0-8-0
 Max Horz 2=180(LC 12)
 Max Uplift 2=-267(LC 26), 24=-524(LC 12), 14=-316(LC 13)
 Max Grav 2=77(LC 9), 24=2460(LC 2), 14=1504(LC 2)

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

TOP CHORD	2-3=-271/842, 3-5=-267/975, 5-6=-1005/224, 6-7=-1776/426, 7-8=-1762/422, 8-10=-1816/436, 10-11=-1776/454, 11-12=-1723/409
BOT CHORD	2-24=-669/136, 20-21=-169/818, 7-20=-383/187, 17-18=-318/1776, 15-17=-215/1434, 14-15=-254/1178
WEBS	3-24=-270/156, 5-24=-2161/457, 5-21=-240/1241, 6-21=-672/216, 6-20=-331/1322, 18-20=-323/1783, 10-17=-426/210, 11-17=-231/643, 12-15=-115/395, 12-14=-1644/386

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 3-1-3, Interior(1) 3-1-3 to 13-0-0, Exterior(2R) 13-0-0 to 19-6-1, Interior(1) 19-6-1 to 36-5-2, Exterior(2R) 36-5-2 to 42-11-3, Interior(1) 42-11-3 to 45-10-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 3x6 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 2, 524 lb uplift at joint 24 and 316 lb uplift at joint 14.



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Date:

June 29, 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 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.	T24511374
2845635	T12	Hip	1	1	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:16 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-qloJmti4uQWDP8j?5tN36HfuN7q5C?awzRSYsSz1iOj

1-6-0	4-10-0	9-4-0	15-0-0	20-0-0	27-2-9	34-5-2	40-7-9	46-0-0
1-6-0	4-10-0	4-6-0	5-8-0	5-0-0	7-2-9	7-2-9	6-2-6	5-4-7

Scale = 1:82.8

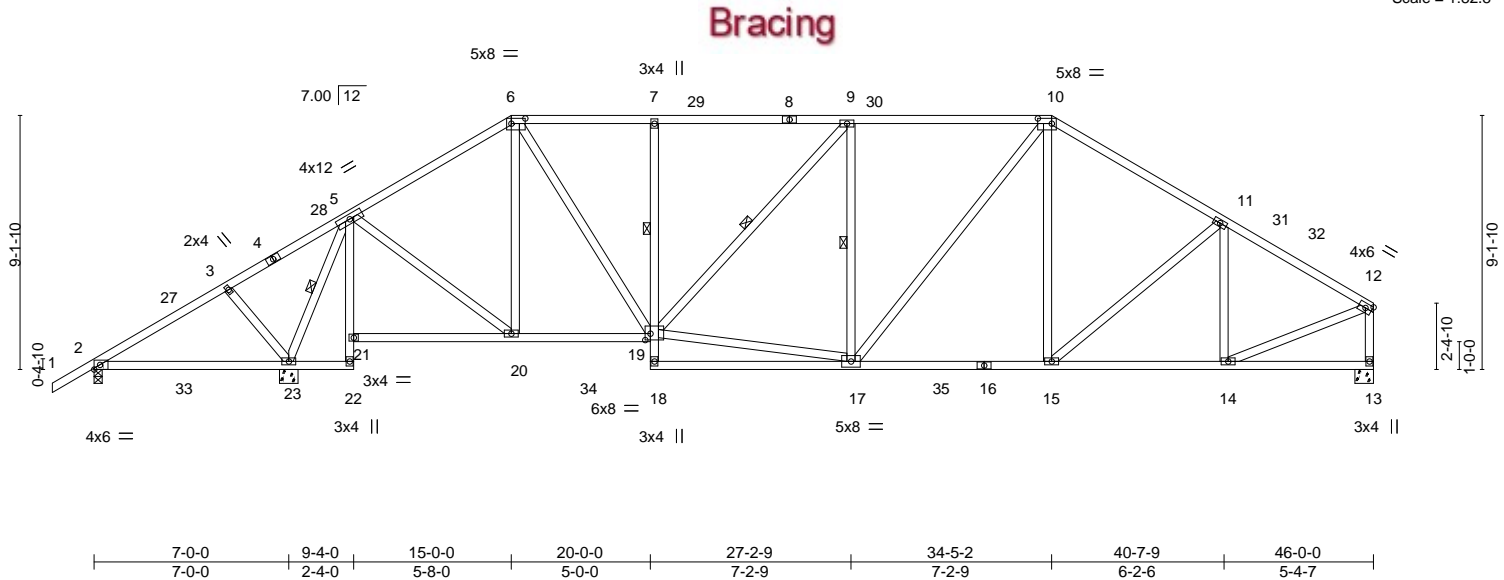


Plate Offsets (X,Y)--	[6:0-6-0,0-2-4], [10:0-6-0,0-2-4], [19:0-2-4,0-2-12]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.56	Vert(LL)	-0.14 15-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.64	Vert(CT)	-0.24 17-18	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57	Horz(CT)	0.08 13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 311 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-22,7-18: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-0-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-23,22-23,21-22.
1 Row at midpt 7-19
WEBS 1 Row at midpt 5-23, 9-19, 9-17

REACTIONS. (size) 2=0-3-8, 23=0-8-0, 13=0-8-0
Max Horz 2=201(LC 9)
Max Uplift 2=-236(LC 26), 23=-525(LC 12), 13=-314(LC 13)
Max Grav 2=69(LC 9), 23=2424(LC 2), 13=1495(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-255/826, 3-5=-251/962, 5-6=-1214/266, 6-7=-1497/344, 7-9=-1494/345, 9-10=-1609/421, 10-11=-1668/416, 11-12=-1598/355, 12-13=-1413/326
BOT CHORD 2-23=-638/85, 19-20=-189/978, 7-19=-344/170, 15-17=-176/1379, 14-15=-253/1338
WEBS 3-23=-256/144, 5-23=-2145/469, 5-20=-190/1161, 6-20=-472/147, 6-19=-256/973, 17-19=-261/1506, 9-17=-370/230, 10-17=-189/447, 10-15=-25/328, 11-14=-370/138, 12-14=-260/1406

- 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 3-1-3, Interior(1) 3-1-3 to 15-0-0, Exterior(2R) 15-0-0 to 21-6-1, Interior(1) 21-6-1 to 34-5-2, Exterior(2R) 34-5-2 to 40-11-3, Interior(1) 40-11-3 to 45-10-4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 236 lb uplift at joint 2, 525 lb uplift at joint 23 and 314 lb uplift at joint 13.



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Date:

June 29,2021

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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

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.	T24511375
2845635	T13	Hip	1	1	Job Reference (optional)	

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

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ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-IUMh_Djifke40HlBeauleVC4zX7GxS63C5B5Ouz1iOi

1-6-0	4-10-8	9-4-0	13-2-0	17-0-0	20-0-0	26-2-9	32-5-2	39-3-3	46-0-0
1-6-0	4-10-8	4-5-8	3-10-0	3-10-0	3-0-0	6-2-9	6-2-9	6-10-0	6-8-13

Scale = 1:82.8

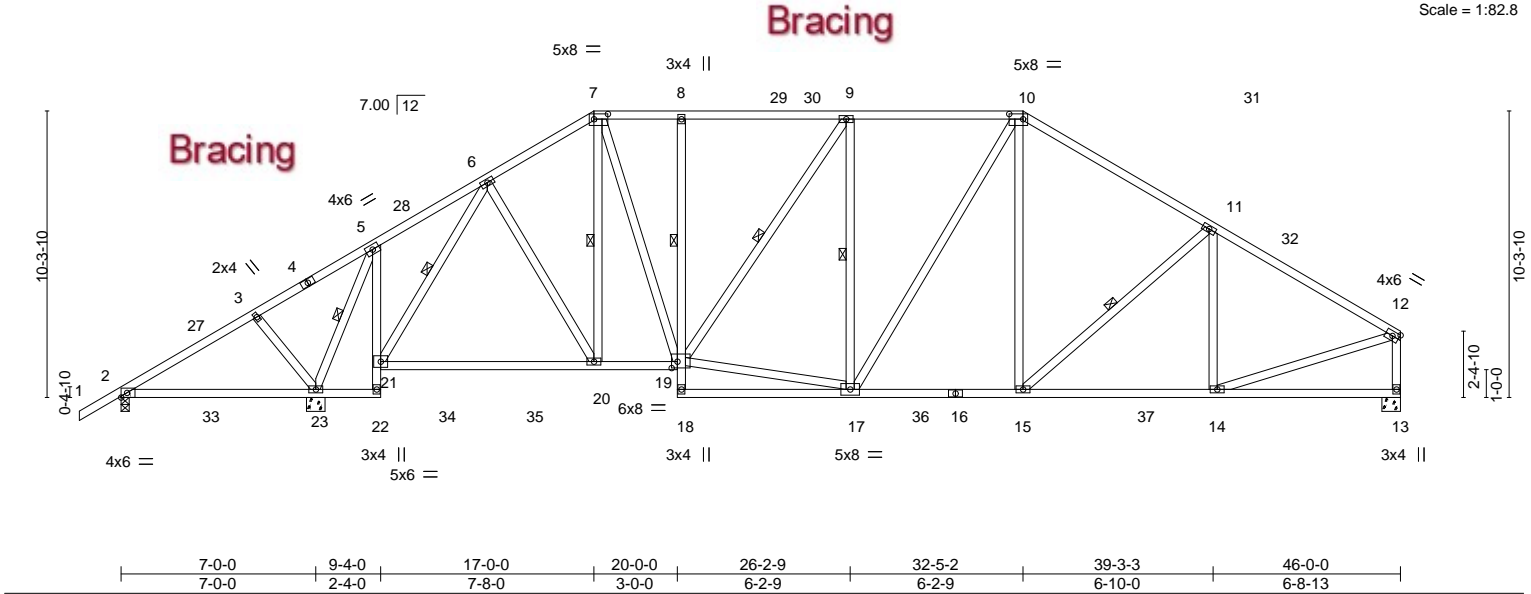


Plate Offsets (X,Y)-- [7:0-6-0,0-2-4], [10:0-6-0,0-2-4], [19:0-2-8,0-2-12]

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 0.51	Vert(LL)	-0.19	20-21	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.77	Vert(CT)	-0.33	20-21	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.09	13	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						
								Weight: 335 lb	FT = 20%

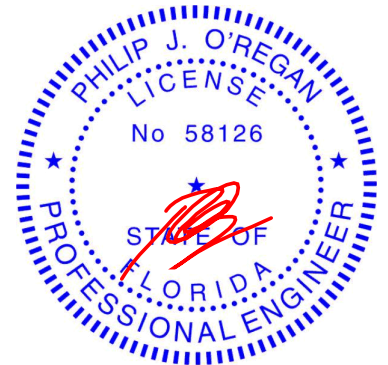
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-18: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 2-23,21-22.
1 Row at midpt 8-19
1 Row at midpt 5-23, 6-21, 7-20, 9-19, 9-17, 11-15

REACTIONS. (size) 2=0-3-8, 23=0-8-0, 13=0-8-0
Max Horz 2=227(LC 9)
Max Uplift 2=-208(LC 26), 23=-519(LC 12), 13=-315(LC 13)
Max Grav 2=58(LC 9), 23=2423(LC 2), 13=1522(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-234/848, 3-5=-229/982, 6-7=-1307/312, 7-8=-1307/335, 8-9=-1307/335,
9-10=-1425/401, 10-11=-1625/418, 11-12=-1737/377, 12-13=-1421/330
BOT CHORD 2-23=-604/54, 5-21=-166/1328, 20-21=-160/814, 19-20=-178/1085, 8-19=-263/130,
15-17=-140/1334, 14-15=-256/1446
WEBS 3-23=-276/156, 5-23=-2142/453, 6-21=-1413/223, 6-20=-75/572, 7-19=-220/708,
17-19=-199/1287, 9-19=-255/119, 9-17=-305/214, 10-17=-167/309, 10-15=-64/449,
11-15=-269/154, 11-14=-260/123, 12-14=-246/1457

- 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 3-1-3, Interior(1) 3-1-3 to 17-0-0, Exterior(2R) 17-0-0 to 23-6-1, Interior(1) 23-6-1 to 32-5-2, Exterior(2R) 32-5-2 to 38-11-3, Interior(1) 38-11-3 to 45-10-4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 2, 519 lb uplift at joint 23 and 315 lb uplift at joint 13.



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Date:

June 29,2021

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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 **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 2845635	Truss T14	Truss Type Piggyback Base	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511376
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:19 2021 Page 1

ID:uJkZZVTEhgKQntlaVi8jJMyZ6ft-FtURPvlyBLvoGbSam?wmkwHL7KtfPKAMfPgCTnz1iOg

1-6-0	5-10-0	11-4-0	17-0-0	24-8-9	32-5-2	39-3-0	46-0-0	47-6-0
1-6-0	5-10-0	5-6-0	5-8-0	7-8-9	7-8-9	6-9-14	6-9-0	1-6-0

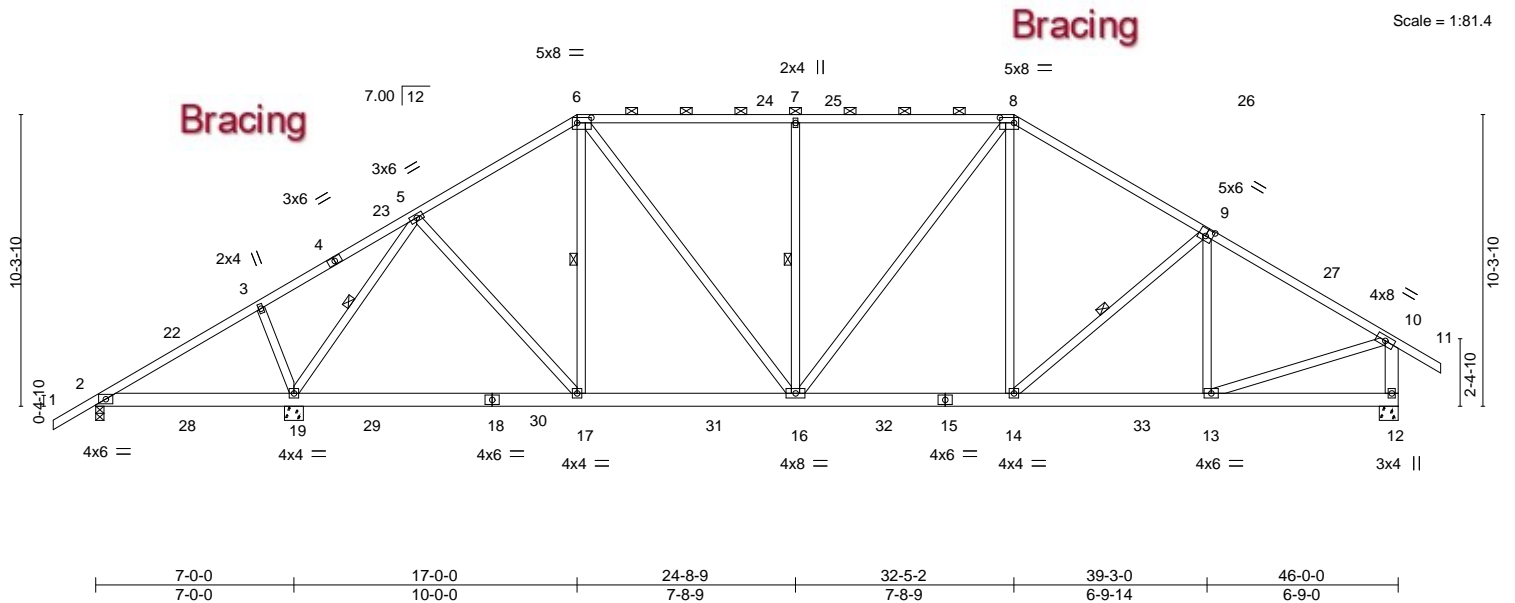


Plate Offsets (X,Y)-- [6:0-6-0,0-2-4], [8:0-6-0,0-2-4], [9:0-3-0,0-3-0]

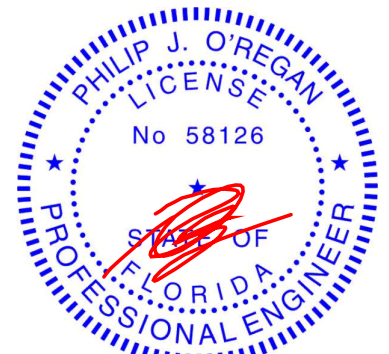
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.10 14-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.17 14-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.65	Horz(CT)	0.04 12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 331 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
6-16,8-16: 2x4 SP No.2, 10-12: 2x6 SP No.2

REACTIONS. (size) 2=0-3-8, 19=0-8-0, 12=0-8-0
Max Horz 2=264(LC 11)
Max Uplift 2=-35(LC 8), 19=-434(LC 12), 12=-344(LC 13)
Max Grav 2=219(LC 23), 19=2160(LC 2), 12=1674(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-118/283, 3-5=-82/357, 5-6=-1444/321, 6-7=-1577/376, 7-8=-1577/376,
8-9=-1750/405, 9-10=-1820/369, 10-12=-1561/358
BOT CHORD 2-19=-261/184, 17-19=-206/821, 16-17=-219/1188, 14-16=-146/1445, 13-14=-240/1511
WEBS 3-19=-275/182, 5-19=-1853/361, 5-17=-108/656, 6-16=-212/681, 7-16=-482/238,
8-16=-184/330, 8-14=-54/466, 9-13=-279/111, 10-13=-205/1500

- 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 3-1-3, Interior(1) 3-1-3 to 17-0-0, Exterior(2R) 17-0-0 to 23-6-1, Interior(1) 23-6-1 to 32-5-2, Exterior(2R) 32-5-2 to 38-11-3, Interior(1) 38-11-3 to 47-6-0 zone; end vertical right exposed; 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 2, 434 lb uplift at joint 19 and 344 lb uplift at joint 12.
 - 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:

June 29,2021

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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

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Tampa, FL 36610

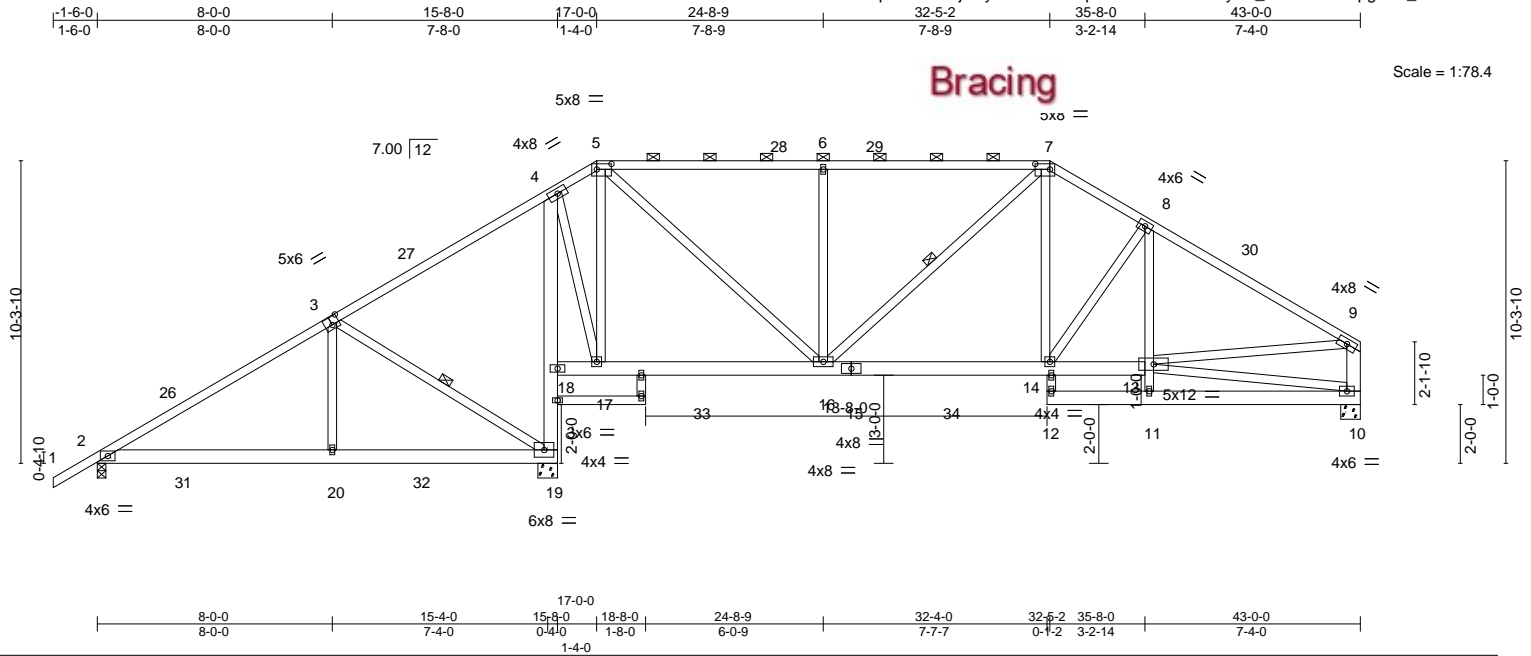


Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [5:0-6-0,0-2-4], [7:0-6-0,0-2-4]

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 0.72	Vert(LL) -0.10 12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.41	Vert(CT) -0.19 12	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.71	Horz(CT) 0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS				Weight: 335 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	8-11,21-22: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except*
	9-10: 2x6 SP No.2

REACTIONS.

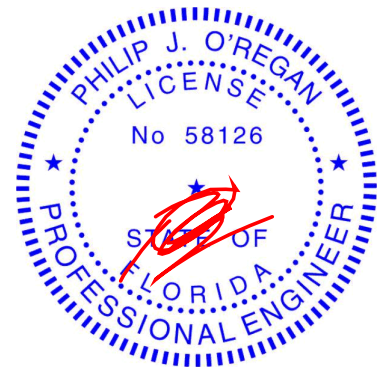
(size) 2=0-3-8, 10=0-8-0, 19=0-8-0
 Max Horz 2=249(LC 12)
 Max Uplift 2=-126(LC 12), 10=-240(LC 13), 19=-419(LC 9)
 Max Grav 2=639(LC 25), 10=1180(LC 26), 19=1857(LC 2)

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

TOP CHORD 2-3=-698/432, 4-5=-298/195, 5-6=-1077/312, 6-7=-1077/312, 7-8=-1375/357,
8-9=-1626/328, 9-10=-1084/262
BOT CHORD 2-20=-384/542, 19-20=-389/547, 18-19=-1397/282, 4-18=-1355/260, 14-16=-126/159,
13-14=-194/1329, 11-13=0/300
WEBS 3-20=-308/378, 3-19=-696/460, 4-17=-153/1011, 5-17=-785/196, 5-16=-204/1158,
6-16=-484/233, 7-14=-71/616, 8-14=-402/126, 9-13=-161/1248

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDDL=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) -1-6-0 to 2-9-10, Interior(1) 2-9-10 to 17-0-0, Exterior(2R) 17-0-0 to 23-1-0, Interior(1) 23-1-0 to 32-5-2, Exterior(2R) 32-5-2 to 38-6-2, Interior(1) 38-6-2 to 42-9-4 zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 2, 240 lb uplift at joint 10 and 419 lb uplift at joint 19.
- 9) 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 33610
Date:

June 29, 2021



WARNING – verify design parameters and NOTES ON THIS AND INCLUDED WITHIN KEY INFORMATION: AISC M14-13 161, 169, 175/2020 (BY ONE USE). Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI 1 Quality Criteria, DSB-89 and BCSI Building Components**. **Safety Information** available from Truss Plate Institute, 2670 Cran Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.	T24511380
2845635	T18	Piggyback Base	2	1	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:25 2021 Page 1

ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-31rifypjnBfy_VWvj6G1BzBXNdltRp_0F1K7WgQz1iOa

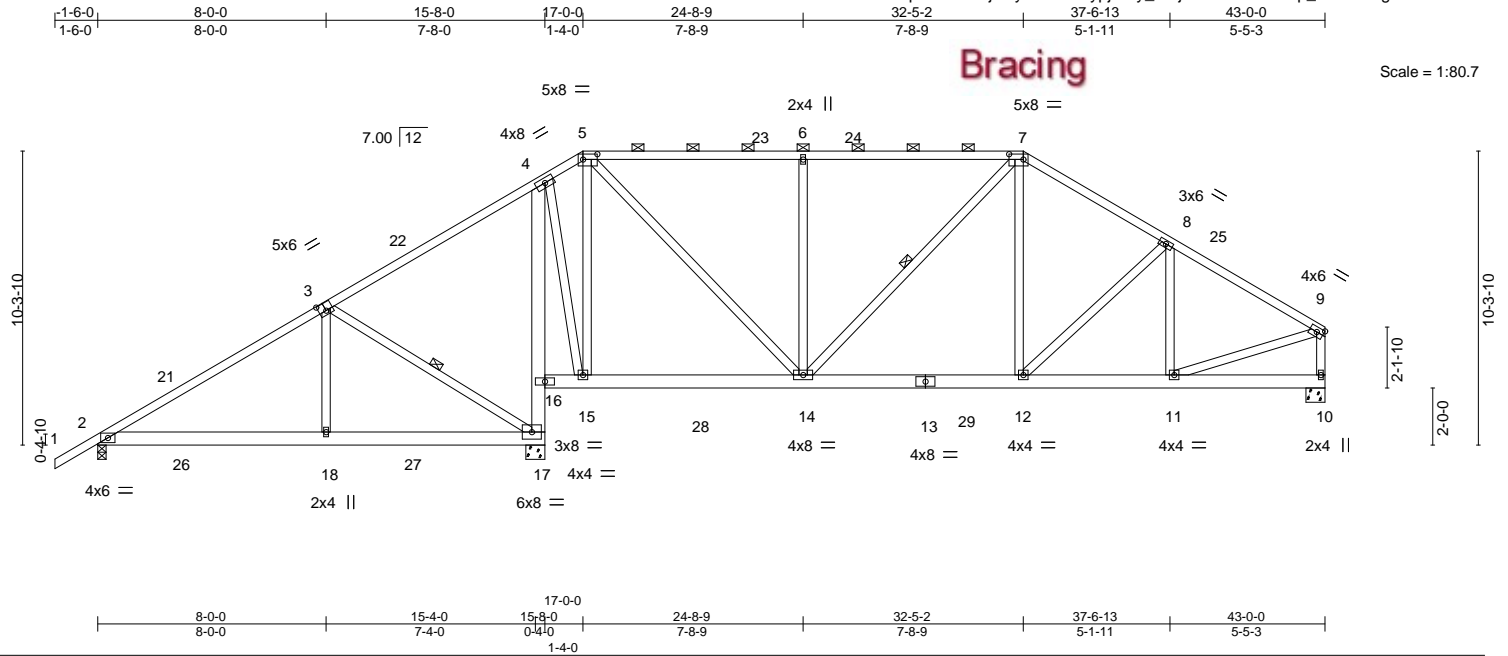


Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [5:0-6-0,0-2-4], [7:0-6-0,0-2-4]

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 0.72	Vert(LL)	-0.06 12-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.69	Vert(CT)	-0.11 12-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.94	Horz(CT)	0.01 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 315 lb	FT = 20%

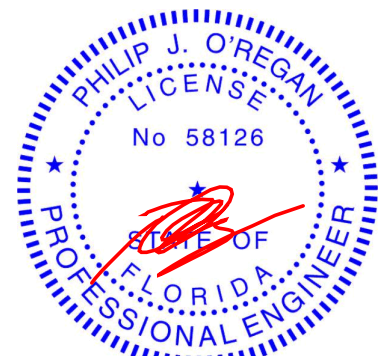
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins, except end verticals, and 2-0-0 oc purlins (5-5-2 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 16-17,15-16.
WEBS 1 Row at midpt 3-17, 7-14

REACTIONS. (size) 2=0-3-8, 17=0-8-0, 10=0-8-0
Max Horz 2=249(LC 12)
Max Uplift 2=-118(LC 12), 17=-426(LC 9), 10=-247(LC 13)
Max Grav 2=626(LC 25), 17=1857(LC 2), 10=1101(LC 26)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-670/402, 5-6=-902/290, 6-7=-902/290, 7-8=-1142/328, 8-9=-1203/289, 9-10=-1008/257
BOT CHORD 2-18=-362/518, 17-18=-367/524, 16-17=-1395/301, 4-16=-1331/267, 12-14=-120/939, 11-12=-192/993
WEBS 3-18=-308/376, 3-17=-695/462, 4-15=-145/987, 5-15=-792/206, 5-14=-206/1060, 6-14=-485/235, 7-12=-39/398, 9-11=-178/994

- 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 2-9-10, Interior(1) 2-9-10 to 17-0-0, Exterior(2R) 17-0-0 to 23-1-0, Interior(1) 23-1-0 to 32-5-2, Exterior(2R) 32-5-2 to 38-6-2, Interior(1) 38-6-2 to 42-10-4 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.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 2, 426 lb uplift at joint 17 and 247 lb uplift at joint 10.
 - 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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June 29,2021

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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 **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

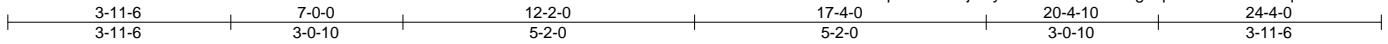


6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T19	Truss Type Hip Girder	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511381
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:27 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-0QzT4erzJovgDq36Eh4f2cciZZVWqH08YVedJz1iOY



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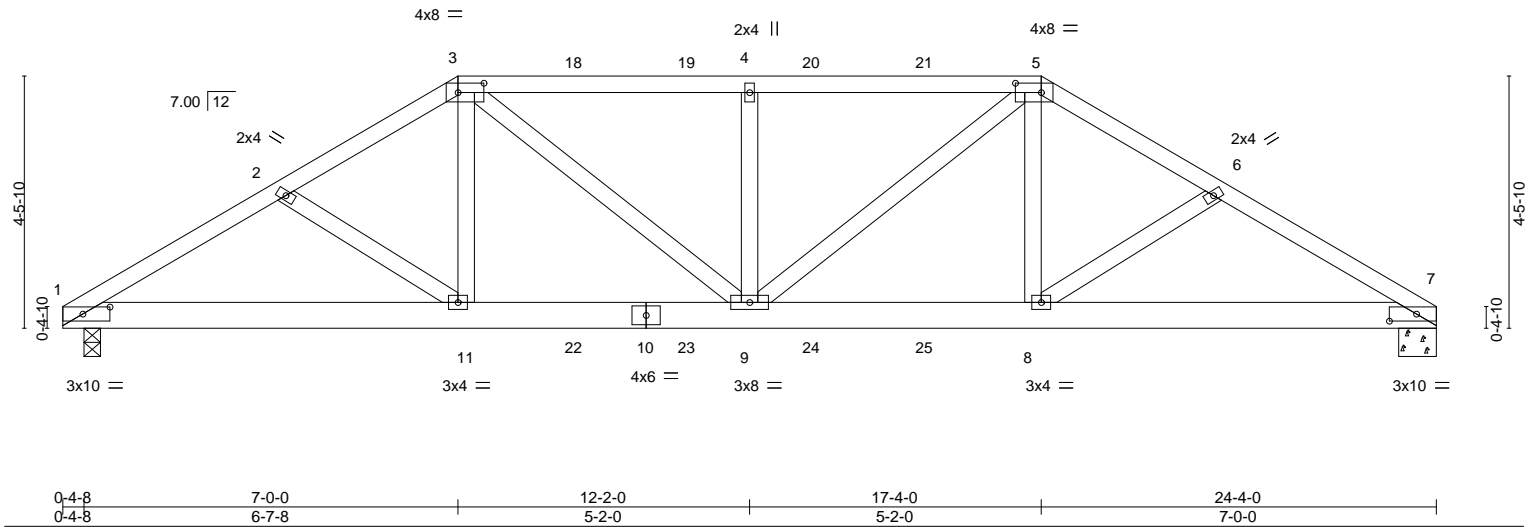


Plate Offsets (X,Y)-- [1:0-5-12,0-1-8], [3:0-5-8,0-2-0], [5:0-5-8,0-2-0], [7:0-5-12,0-1-8]

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 0.82	Vert(LL)	-0.13	9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.89	Vert(CT)	-0.24	9-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.39	Horz(CT)	0.07	7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 142 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-10 oc bracing.

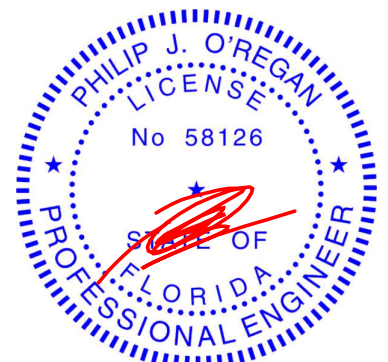
REACTIONS. (size) 1=0-3-8, 7=0-8-0
Max Horz 1=90(LC 4)
Max Uplift 1=668(LC 8), 7=655(LC 9)
Max Grav 1=1839(LC 1), 7=1791(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2986/1132, 2-3=-2879/1121, 3-4=-3257/1276, 4-5=-3257/1276, 5-6=-3112/1211, 6-7=-3260/1246
BOT CHORD 1-11=-970/2496, 9-11=-925/2486, 8-9=-960/2674, 7-8=-1024/2788
WEBS 3-11=-124/530, 3-9=-431/1030, 4-9=-729/413, 5-9=-324/794, 5-8=-203/692

- 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; 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 668 lb uplift at joint 1 and 655 lb uplift at joint 7.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 101 lb up at 7-0-0, 125 lb down and 98 lb up at 9-0-12, 125 lb down and 98 lb up at 11-0-12, 125 lb down and 91 lb up at 12-2-0, 125 lb down and 98 lb up at 13-3-4, and 125 lb down and 98 lb up at 15-3-4, and 227 lb down and 196 lb up at 17-4-0 on top chord, and 335 lb down and 201 lb up at 7-0-0, 86 lb down and 20 lb up at 9-0-12, 86 lb down and 20 lb up at 11-0-12, 86 lb down and 20 lb up at 12-2-0, 86 lb down and 20 lb up at 13-3-4, and 86 lb down and 20 lb up at 15-3-4, and 335 lb down and 201 lb up at 17-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 5-7=-54, 1-7=-20



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Date:

June 29,2021

Continued on page 2

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component 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 - GOMEZ RES.
2845635	T19	Hip Girder	1	1	T24511381
Job Reference (optional)					

LOAD CASE(S)
Standard
Concentrated Loads (lb)

Vert: 3=-109(F) 5=-180(F) 11=-335(F) 9=-64(F) 4=-109(F) 8=-335(F) 18=-109(F) 19=-109(F) 20=-109(F) 21=-109(F) 22=-64(F) 23=-64(F) 24=-64(F) 25=-64(F)

Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.	T24511382
2845635	T20	Hip	1	1	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:28 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-UcWrlzsb361Xr_eloObubp9xpzv70X2hjIMAHiz1iOX

4-11-4	9-0-0	15-4-0	19-4-12	24-4-0
4-11-4	4-0-12	6-4-0	4-0-12	4-11-4

Scale = 1:40.3

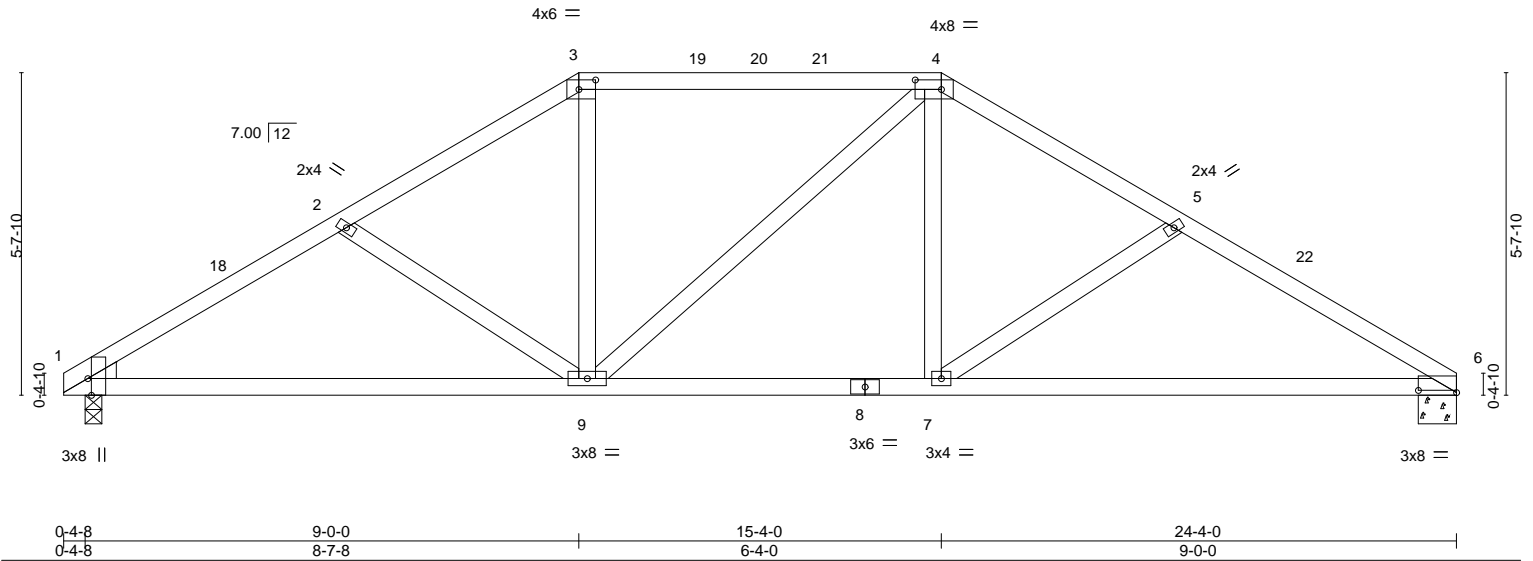


Plate Offsets (X, Y)--		[1:0-3-8,Edge], [3:0-3-8,0-2-0], [4:0-5-8,0-2-0], [6:0-8-0,0-0-8]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES
TCLL 20.0		Plate Grip DOL	1.25	TC 0.53		Vert(LL)	-0.15	7-12	>999	240	MT20
TCDL 7.0		Lumber DOL	1.25	BC 0.69		Vert(CT)	-0.32	7-12	>911	180	GRIP
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.16		Horz(CT)	0.04	6	n/a	n/a	244/190
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MS							Weight: 119 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

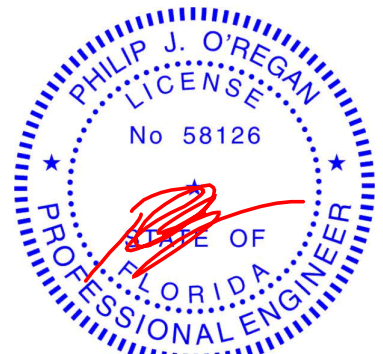
(size) 6=0-8-0, 1=0-3-8
Max Horz 1=-116(LC 8)
Max Uplift 6=-188(LC 13), 1=-193(LC 12)
Max Grav 6=886(LC 1), 1=914(LC 1)

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

TOP CHORD 1-2=-1338/300, 2-3=-1144/253, 3-4=-948/252, 4-5=-1177/261, 5-6=-1402/317
BOT CHORD 1-9=-272/1107, 7-9=-101/971, 6-7=-215/1186
WEBS 3-9=-32/340, 4-7=-52/379, 5-7=-297/167

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) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 9-0-0, Exterior(2R) 9-0-0 to 13-2-15, Interior(1) 13-2-15 to 15-4-0, Exterior(2R) 15-4-0 to 19-6-6, Interior(1) 19-6-6 to 24-4-0 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 188 lb uplift at joint 6 and 193 lb uplift at joint 1.



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June 29,2021

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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 - GOMEZ RES.
2845635	T21	Flat Girder	1	1	T24511383
Job Reference (optional)					

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:30 2021 Page 2
ID:uJkZZVTEhqKQntlaVi8jJMyZ6ft-Q?ebiftsbjHE4HohvpdMgEEA_mieUH2_BcrHMez1iOV

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-9=-54, 10-16=-20

Concentrated Loads (lb)

Vert: 9=-25 15=-64(B) 2=-109(B) 7=-109(B) 17=-109(B) 18=-109(B) 19=-109(B) 20=-109(B) 21=-109(B) 22=-109(B) 23=-109(B) 24=-109(B) 25=-109(B) 26=-109(B) 27=-109(B) 28=-109(B) 29=-109(B) 30=-64(B) 31=-64(B) 32=-64(B) 33=-64(B) 34=-64(B) 35=-64(B) 36=-64(B) 37=-64(B) 38=-64(B) 39=-64(B) 40=-64(B) 41=-64(B) 42=-64(B) 43=-64(B)

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



6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T22	Truss Type Flat	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511384
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:31 2021 Page 1
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7-10-9
7-10-9

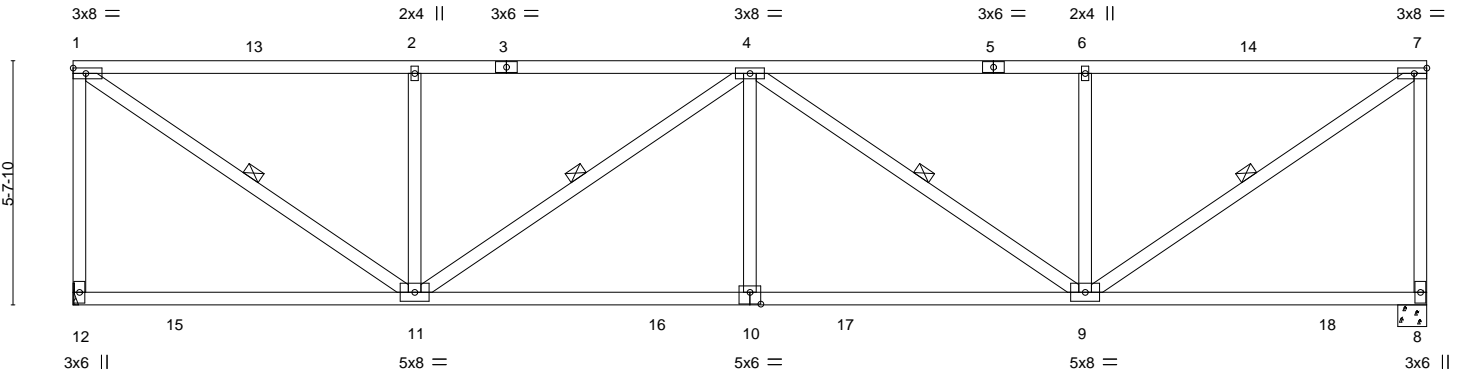
15-7-7
7-8-13

23-4-4
7-8-13

31-2-14
7-10-10

Scale = 1:53.2

Bracing



7-10-9
7-10-9

15-7-7
7-8-13

23-4-4
7-8-13

31-2-14
7-10-10

Plate Offsets (X,Y)-- [10:0-3-0,0-3-4]

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 0.88	Vert(LL)	-0.14 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.81	Vert(CT)	-0.26 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.67	Horz(CT)	0.05 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 184 lb	FT = 20%

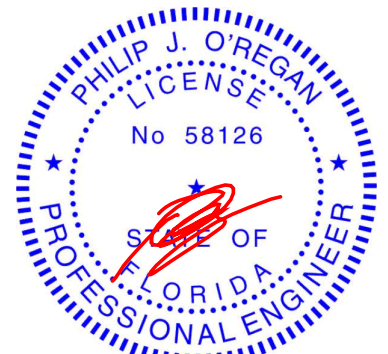
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-1 oc bracing.
WEBS 1 Row at midpt 1-11, 4-11, 4-9, 7-9

REACTIONS. (size) 12=Mechanical, 8=0-8-0
Max Uplift 12=-310(LC 8), 8=-310(LC 8)
Max Grav 12=1288(LC 2), 8=1288(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1141/521, 1-2=-1467/573, 2-4=-1467/573, 4-6=-1467/573, 6-7=-1467/573, 7-8=-1141/521
BOT CHORD 10-11=-743/1933, 9-10=-743/1933
WEBS 1-11=-682/1748, 2-11=-456/325, 4-11=-566/206, 4-10=0/373, 4-9=-566/206, 6-9=-456/325, 7-9=-682/1748

- 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 Corner(3) 0-1-12 to 4-1-12, Exterior(2) 4-1-12 to 27-1-2, Corner(3) 27-1-2 to 31-1-2 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 310 lb uplift at joint 12 and 310 lb uplift at joint 8.



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Date:

June 29,2021

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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

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 2845635	Truss T23	Truss Type Roof Special	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511385
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:32 2021 Page 1 ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-MNmM7Lv67LXyKbx41EfqlfKYoaFMyc6HewKOQWz1iOT					
Job Reference (optional)					

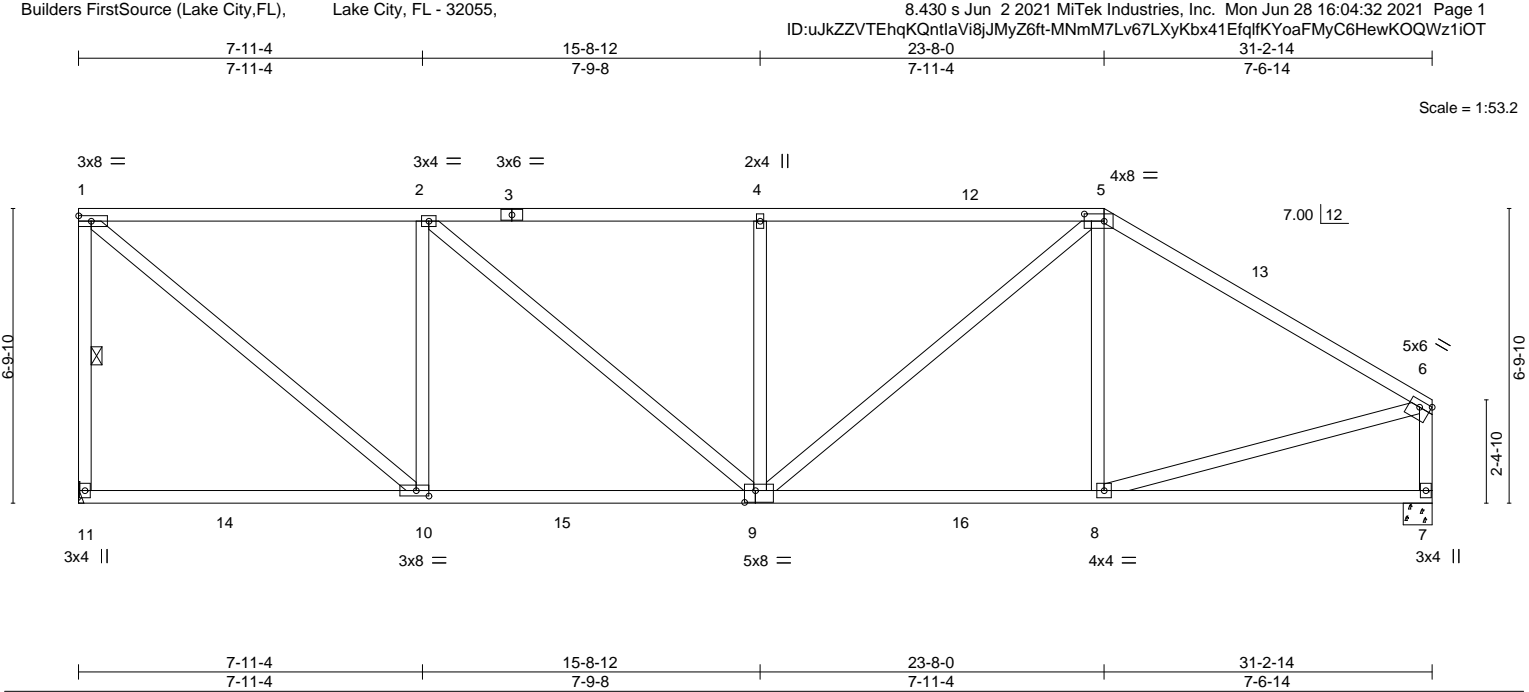


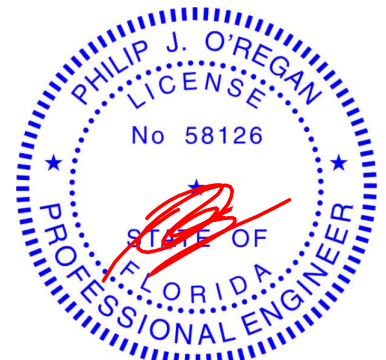
Plate Offsets (X,Y)--		[5:0-5-8,0-2-0], [6:Edge,0-1-12], [9:0-3-0,0-3-4], [10:0-3-8,0-1-8]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.85	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.73	Vert(LL) -0.14 10-11 >999 240
BCLL 0.0 *	Rep Stress Incr YES	WB 0.73	Vert(CT) -0.25 10-11 >999 180
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS	Horz(CT) 0.03 7 n/a n/a
		PLATES MT20	
		GRIP 244/190	
		Weight: 189 lb FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 1-11

REACTIONS.	(size) 11=Mechanical, 7=0-8-0
	Max Horz 11=-150(LC 13)
	Max Uplift 11=-308(LC 8), 7=-201(LC 8)
	Max Grav 11=1316(LC 2), 7=1273(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-11=-1161/327, 1-2=-1234/293, 2-4=-1588/381, 4-5=-1594/385, 5-6=-1444/278, 6-7=-1159/220
BOT CHORD	9-10=-264/1234, 8-9=-183/1176
WEBS	1-10=-375/1579, 2-10=-728/293, 2-9=-115/464, 4-9=-438/224, 5-9=-215/538, 6-8=-186/1130

- 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) 0-1-12 to 3-3-4, Interior(1) 3-3-4 to 23-8-0, Exterior(2R) 23-8-0 to 26-9-8, Interior(1) 26-9-8 to 31-1-2 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at joint 11 and 201 lb uplift at joint 7.



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Date:

June 29,2021

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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



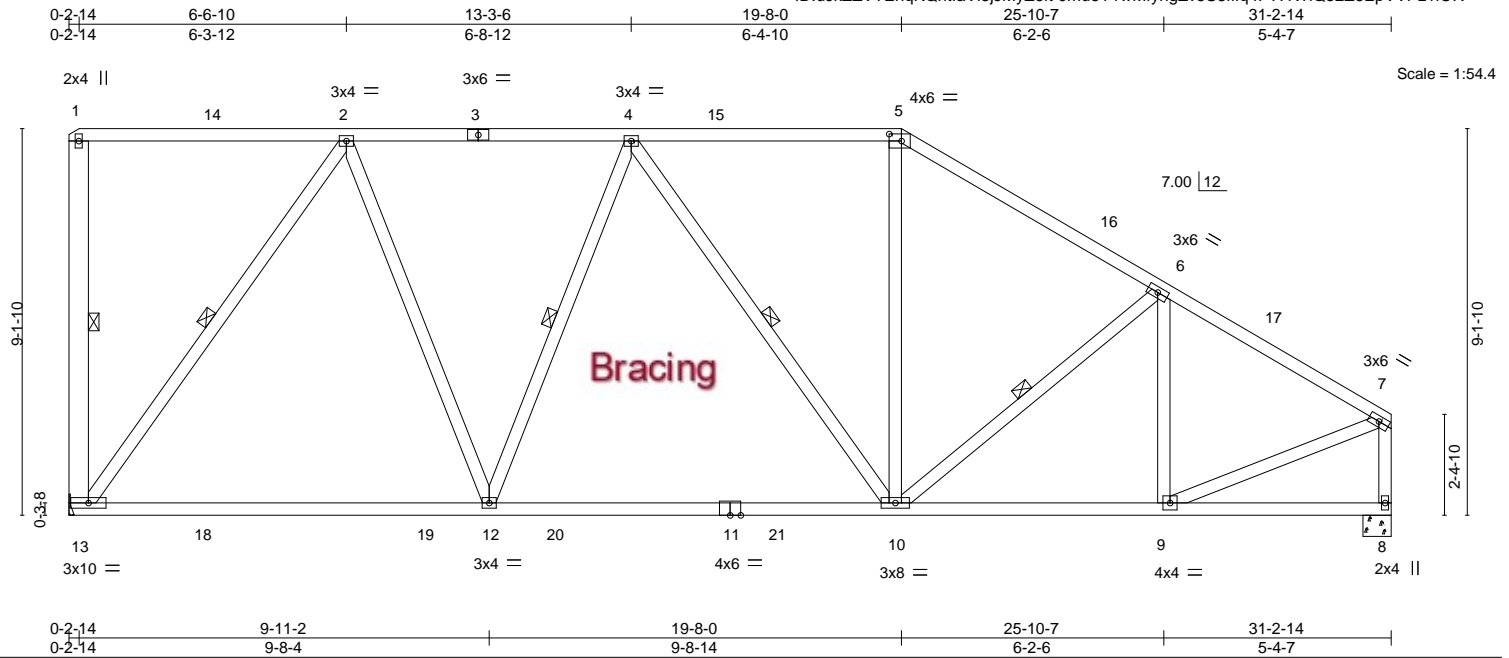
6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T25	Truss Type Hip	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511387
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:34 2021 Page 1

ID:uJkZZVTEhQKQntlaV8jJMyZ6ft-Jmu6Y1wMfyngZv5S8filq4P?7N?IQ52Z6EpVVPz1iOR



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.26 12-13 >999	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.41 12-13 >894				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.03 8 n/a				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							
								Weight: 217 lb FT = 20%			

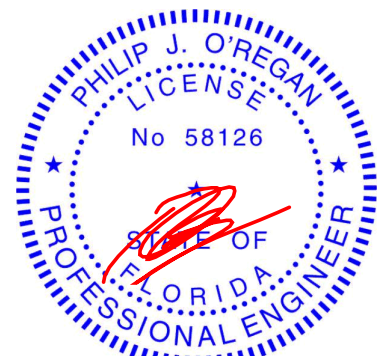
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
1-13: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 4-12, 4-10, 6-10, 1-13

REACTIONS. (size) 13=Mechanical, 8=0-8-0
Max Horz 13=-230(LC 13)
Max Uplift 13=-301(LC 8), 8=-246(LC 13)
Max Grav 13=1327(LC 2), 8=1269(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1039/215, 4-5=-1096/316, 5-6=-1337/313, 6-7=-1330/277, 7-8=-1181/258
BOT CHORD 12-13=-148/761, 10-12=-174/1133, 9-10=-186/1107
WEBS 2-13=-1267/313, 2-12=-149/778, 4-12=-343/218, 5-10=-12/387, 6-9=-290/108, 7-9=-188/1156

- 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) 0-2-12 to 3-4-4, Interior(1) 3-4-4 to 19-8-0, Exterior(2R) 19-8-0 to 24-1-1, Interior(1) 24-1-1 to 31-1-2 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 13 and 246 lb uplift at joint 8.



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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 - GOMEZ RES.	T24511388
2845635	T26	Hip	1	1	Job Reference (optional)	

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

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:36 2021 Page 1
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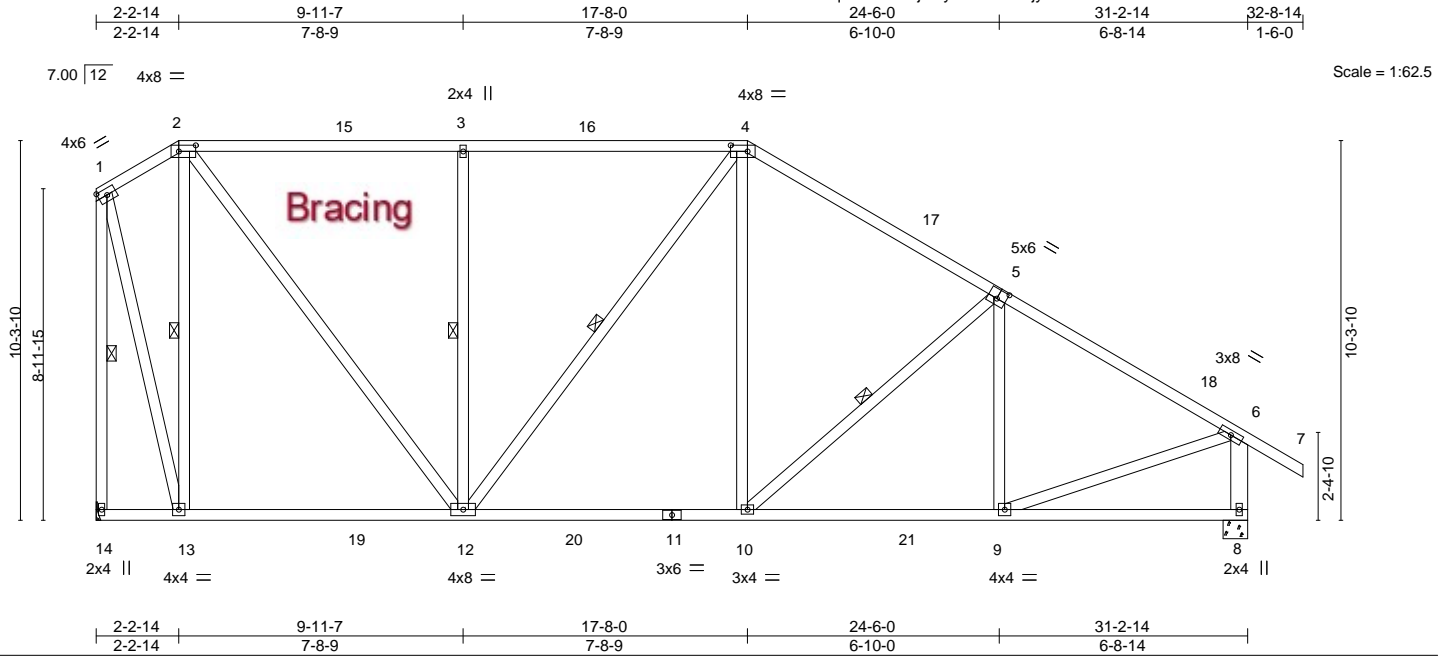


Plate Offsets (X,Y)-- [2:0-5-8,0-2-0], [4:0-5-8,0-2-0], [5:0-3-0,0-3-0]

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 0.68	Vert(LL)	-0.13 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.69	Vert(CT)	-0.21 10-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.03 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 241 lb	FT = 20%

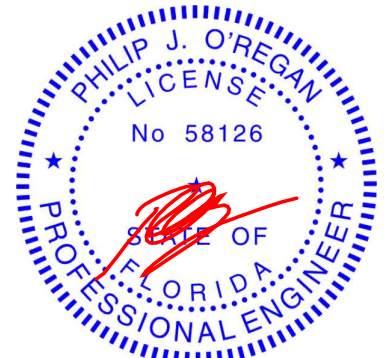
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-12,4-12: 2x4 SP No.2, 6-8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 3-12, 4-12, 5-10, 1-14

REACTIONS. (size) 14=Mechanical, 8=0-8-0
Max Horz 14=-248(LC 13)
Max Uplift 14=-232(LC 13), 8=-277(LC 13)
Max Grav 14=1321(LC 2), 8=1370(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-354/72, 2-3=-929/233, 3-4=-929/233, 4-5=-1264/299, 5-6=-1421/282,
1-14=-1348/226, 6-8=-1268/293
BOT CHORD 12-13=-103/362, 10-12=-89/1026, 9-10=-166/1167
WEBS 2-13=-880/260, 2-12=-270/1057, 3-12=-485/238, 4-12=-260/126, 4-10=-68/511,
5-10=-307/170, 1-13=-227/1194, 6-9=-134/1161

- 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) 0-1-12 to 2-2-14, Exterior(2R) 2-2-14 to 6-7-14, Interior(1) 6-7-14 to 17-8-0, Exterior(2R) 17-8-0 to 22-1-1, Interior(1) 22-1-1 to 32-8-14 zone; end vertical 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.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 14 and 277 lb uplift at joint 8.



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June 29,2021

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T27	Truss Type Piggyback Base	Qty 6	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511389
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Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:37 2021 Page 1
ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-jLZFA2zFytAFQMq1pnF?Sj1Qdb2cdT40oC196kz1iOO

1-6-0 1-6-0	5-10-0 5-10-0	11-4-0 5-6-0	17-0-0 5-8-0	24-8-9 7-8-9	32-5-2 7-8-9	35-0-0 2-6-14	40-4-0 5-4-0	46-0-0 5-8-0	47-6-0 1-6-0
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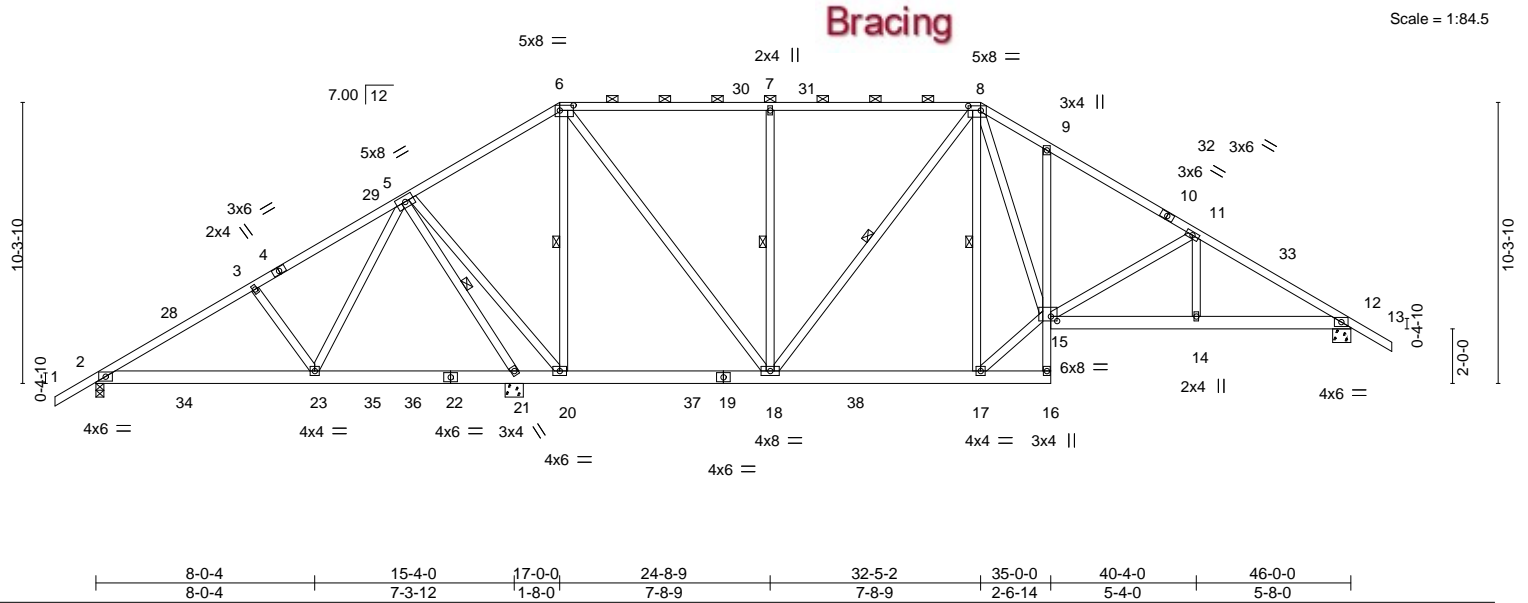


Plate Offsets (X,Y)-- [6:0-6-0,0-2-4], [8:0-5-8,0-2-0], [15:0-2-12,0-2-0]

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 0.72	Vert(LL)	-0.10 18-20	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.41	Vert(CT)	-0.17 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.06 12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 348 lb	FT = 20%

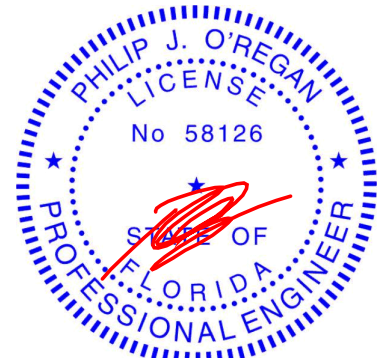
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
9-16: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
6-18,8-18: 2x4 SP No.2

REACTIONS. (size) 2=0-3-8, 12=0-8-0, 21=0-8-0
Max Horz 2=219(LC 9)
Max Uplift 2=-140(LC 12), 12=-292(LC 13), 21=-396(LC 12)
Max Grav 2=616(LC 25), 12=1273(LC 20), 21=2102(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-677/290, 3-5=-545/307, 6-7=-784/275, 7-8=-784/275, 8-9=-1523/455,
9-11=-1579/379, 11-12=-2047/436
BOT CHORD 2-23=-281/575, 20-21=-911/299, 17-18=-62/935, 14-15=-282/1727, 12-14=-282/1727
WEBS 3-23=-271/175, 5-23=-384/524, 5-21=-1930/434, 5-20=-184/1448, 6-20=-1168/259,
6-18=-253/1188, 7-18=-484/236, 8-18=-333/105, 8-17=-484/84, 15-17=-76/1154,
8-15=-252/1225, 11-15=-563/188, 11-14=0/263

- 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 3-1-3, Interior(1) 3-1-3 to 17-0-0, Exterior(2R) 17-0-0 to 23-6-1, Interior(1) 23-6-1 to 32-5-2, Exterior(2R) 32-5-2 to 38-11-3, Interior(1) 38-11-3 to 47-6-0 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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 140 lb uplift at joint 2, 292 lb uplift at joint 12 and 396 lb uplift at joint 21.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except
2-0-0 oc purlins (5-9-9 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21,15-16.
WEBS 1 Row at midpt 5-21, 6-20, 7-18, 8-18, 8-17



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MiTek USA, Inc. FL Cert 6634
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Date:

June 29,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T28	Truss Type Hip Girder	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511390
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:38 2021 Page 1 ID:uJkZZVTEhKQntlaVi8jMyZ6ft-BX7dOO_tjBI62WPDNVmE?waez?MtM1991snieAz1ION					

-1-6-0 1-6-0	3-11-6 3-11-6	7-0-0 3-0-10	11-2-0 4-2-0	14-2-10 3-0-10	18-2-0 3-11-6
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Scale: 3/8"=1'

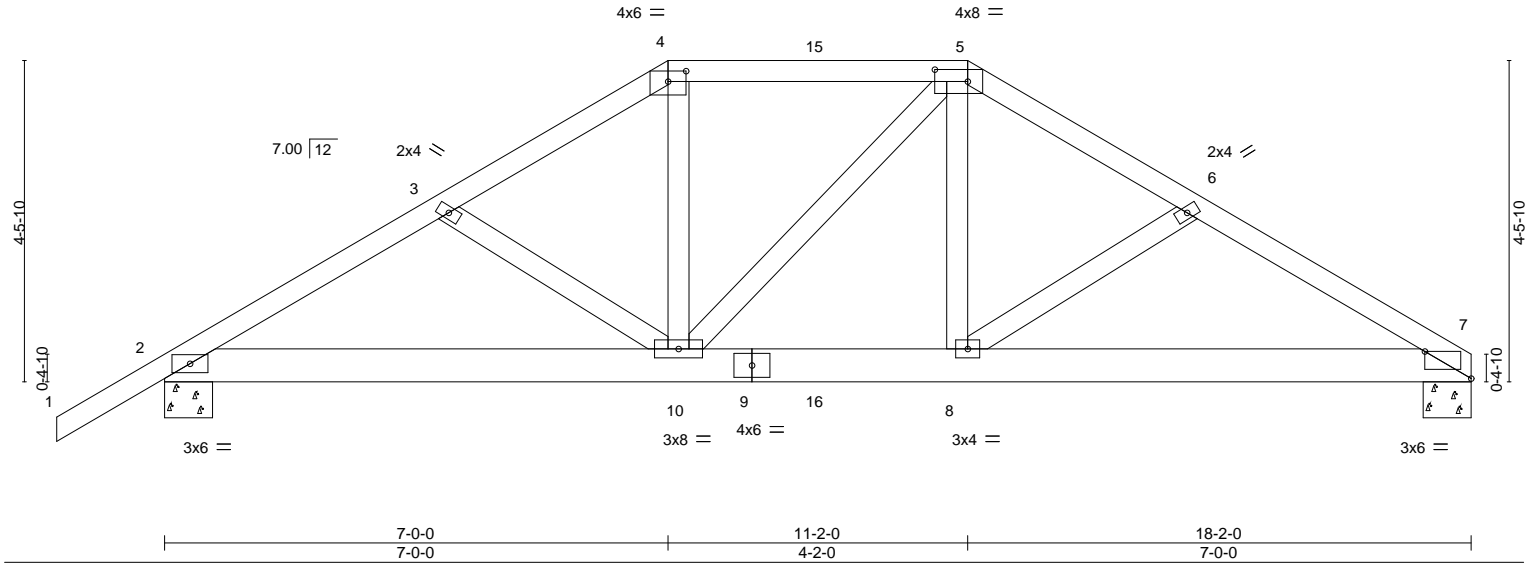


Plate Offsets (X,Y)--		[4:0-3-0,0-1-12], [5:0-5-8,0-2-0], [7:0-7-12,Edge]			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	in (loc) l/defl L/d	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.47	Vert(LL) 0.06 8-10 >999 240	GRIP 244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.25	Vert(CT) -0.10 8-12 >999 180	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS	Horz(CT) 0.04 7 n/a n/a	
				Weight: 105 lb FT = 20%	

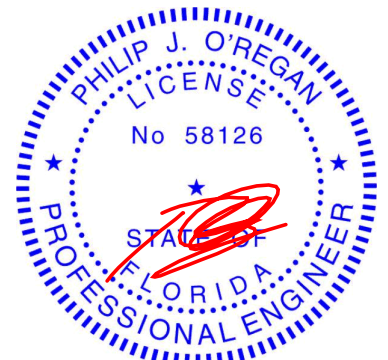
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 8-8-7 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size) 7=0-8-0, 2=0-8-0
	Max Horz 2=103(LC 5)
	Max Uplift 7=-451(LC 9), 2=-482(LC 8)
	Max Grav 7=1244(LC 1), 2=1315(LC 1)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-2135/830, 3-4=-1984/795, 4-5=-1698/721, 5-6=-2022/810, 6-7=-2177/844
BOT CHORD	2-10=-726/1817, 8-10=-639/1729, 7-8=-679/1857
WEBS	4-10=-210/645, 5-8=-211/634

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 451 lb uplift at joint 7 and 482 lb uplift at joint 2.
 - 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 101 lb up at 7-0-0, and 125 lb down and 91 lb up at 9-1-0, and 227 lb down and 196 lb up at 11-2-0 on top chord, and 335 lb down and 201 lb up at 7-0-0, and 86 lb down and 20 lb up at 9-1-0, and 335 lb down and 201 lb up at 11-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced):	Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)	
Vert:	1-4=-54, 4-5=-54, 5-7=-54, 2-7=-20
Concentrated Loads (lb)	
Vert:	4=-109(F) 5=-180(F) 10=-335(F) 8=-335(F) 15=-109(F) 16=-64(F)



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MiTek USA, Inc. FL Cert 6634
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Date:

June 29,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T29	Truss Type Common	Qty 4	Ply 1	IC CONST - GOMEZ RES. T24511391
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:39 2021 Page 1 ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-fjh?bk_VUUQzfg_QxCHTX86sbOeu5U9JFWWFACz1iOM					



4x4 =

Scale = 1:36.1

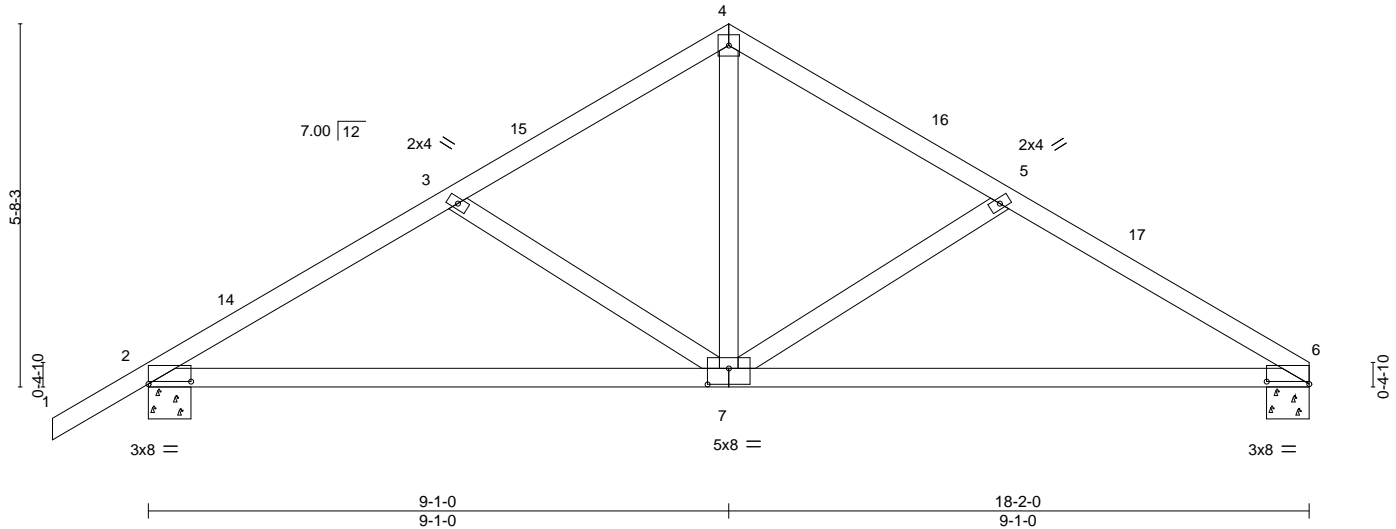


Plate Offsets (X,Y)-- [2:0-8-0,0-0-7], [6:0-8-0,0-0-8], [7:0-4-0,0-3-0]

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 0.37	Vert(LL)	-0.11	7-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.74	Vert(CT)	-0.23	7-10	>938	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.02	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 83 lb	FT = 20%

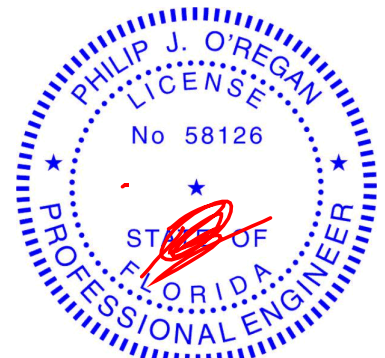
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-8-0, 2=0-8-0
Max Horz 2=129(LC 11)
Max Uplift 6=136(LC 13), 2=170(LC 12)
Max Grav 6=669(LC 1), 2=757(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=990/214, 3-4=762/175, 4-5=764/181, 5-6=998/220
BOT CHORD 2-7=203/828, 6-7=142/839
WEBS 4-7=84/519, 5-7=302/178, 3-7=289/170

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-1-0, Exterior(2R) 9-1-0 to 12-1-0, Interior(1) 12-1-0 to 18-2-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 136 lb uplift at joint 6 and 170 lb uplift at joint 2.



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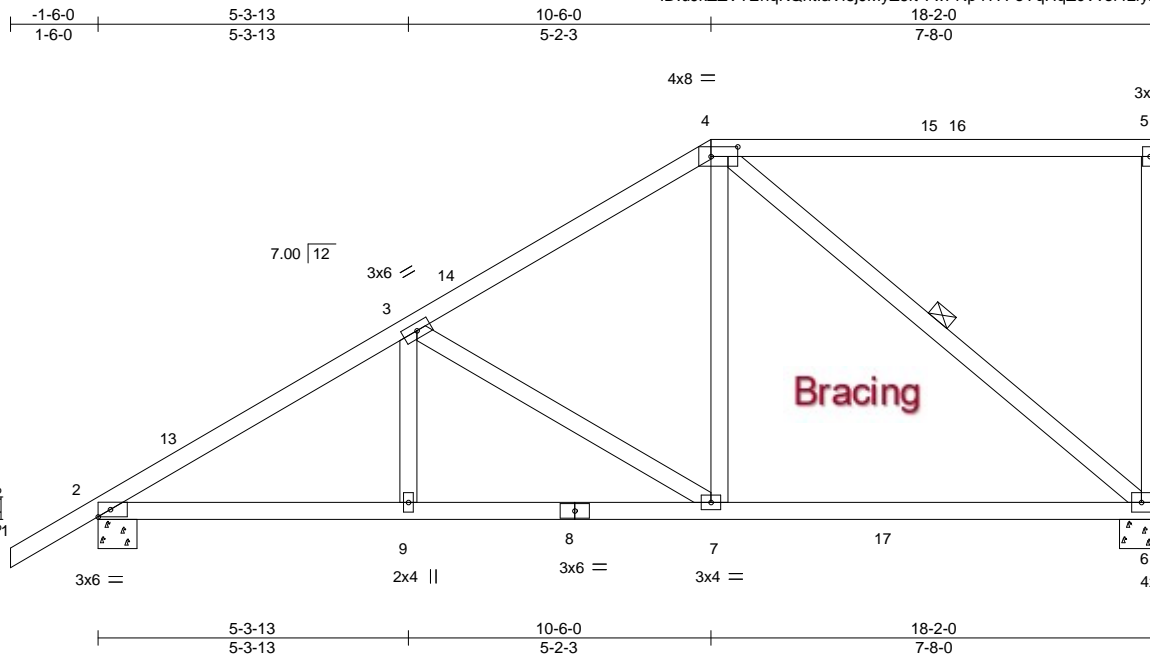
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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 2845635	Truss T30	Truss Type Half Hip	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511392
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:40 2021 Page 1 ID:uJkZZVTEhQKQntlaVi8jMyZ6ft-7wFNp4?7FoYqHqZcVvoi4LfYXo1yqv2SUAGpi3z1iOL					



Scale = 1:39.5

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

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 0.67	Vert(LL)	-0.12	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.21	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.02	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 104 lb	FT = 20%

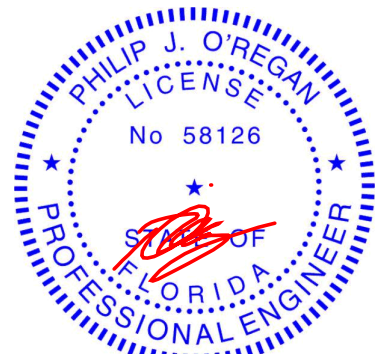
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS. (size) 2=0-8-0, 6=0-8-0
Max Horz 2=237(LC 12)
Max Uplift 2=-171(LC 12), 6=-165(LC 12)
Max Grav 2=834(LC 19), 6=737(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1115/198, 3-4=-707/142
BOT CHORD 2-9=-320/968, 7-9=-320/968, 6-7=-164/572
WEBS 3-7=-484/184, 4-7=-47/542, 4-6=-710/207

- 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 10-6-0, Exterior(2R) 10-6-0 to 14-8-15, Interior(1) 14-8-15 to 18-0-4 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 2 and 165 lb uplift at joint 6.



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Date:

June 29,2021

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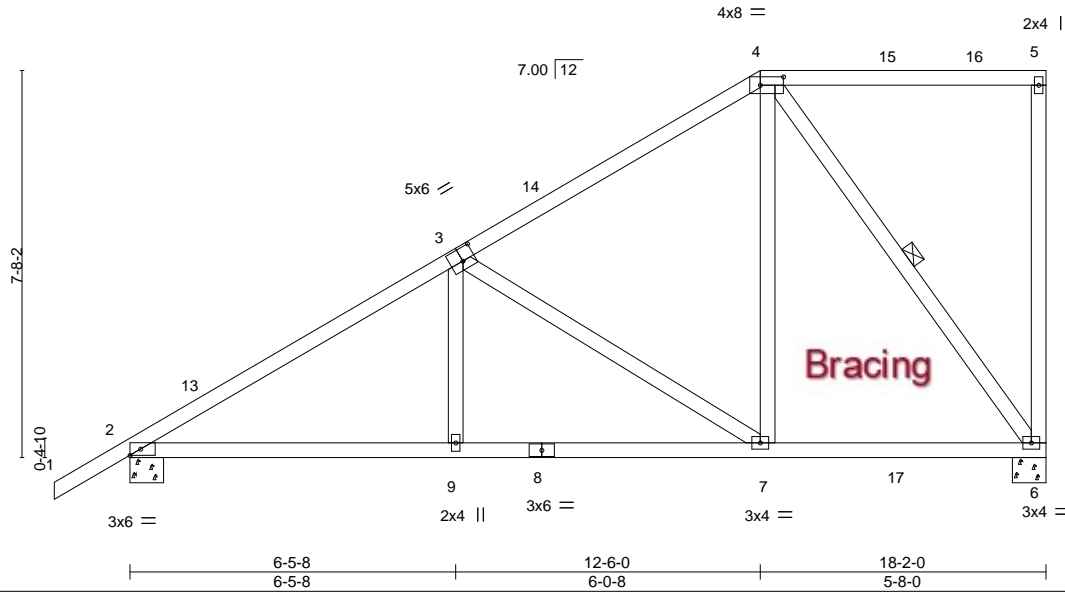
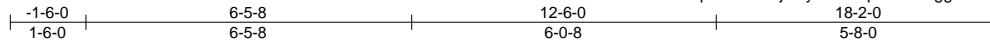
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T31	Truss Type Half Hip	Qty 1	Ply 1	IC CONST - GOMEZ RES. T24511393
Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:41 2021 Page 1 ID:uJkZZVTEhQKQntlaVi8jJMyZ6ft-b6pIOQ0I06ggvz7o2dKxdZBBkCOPZl2bjq?MFVz1iOK					



Scale = 1:45.7

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

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 0.39	Vert(LL)	-0.06	9-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.11	9-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.62	Horz(CT)	0.02	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 109 lb	FT = 20%

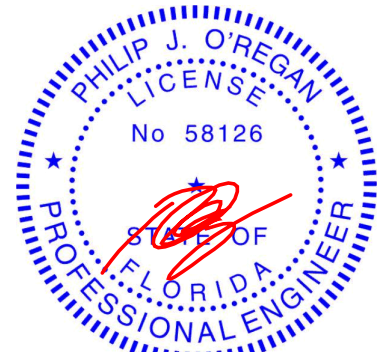
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS. (size) 6=0-8-0, 2=0-8-0
Max Horz 2=278(LC 12)
Max Uplift 6=-190(LC 12), 2=-158(LC 12)
Max Grav 6=739(LC 2), 2=844(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1086/162, 3-4=-538/97
BOT CHORD 2-9=-316/941, 7-9=-317/937, 6-7=-128/423
WEBS 3-9=0/267, 3-7=-622/226, 4-7=-79/578, 4-6=-696/211

- 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 12-6-0, Exterior(2R) 12-6-0 to 16-8-15, Interior(1) 16-8-15 to 18-0-4 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) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 190 lb uplift at joint 6 and 158 lb uplift at joint 2.



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6904 Parke East Blvd.
Tampa, FL 36610

Job 2845635	Truss T32	Truss Type MONO HIP	Qty 1	Ply 2	IC CONST - GOMEZ RES. Job Reference (optional)	T24511394
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:43 2021 Page 1

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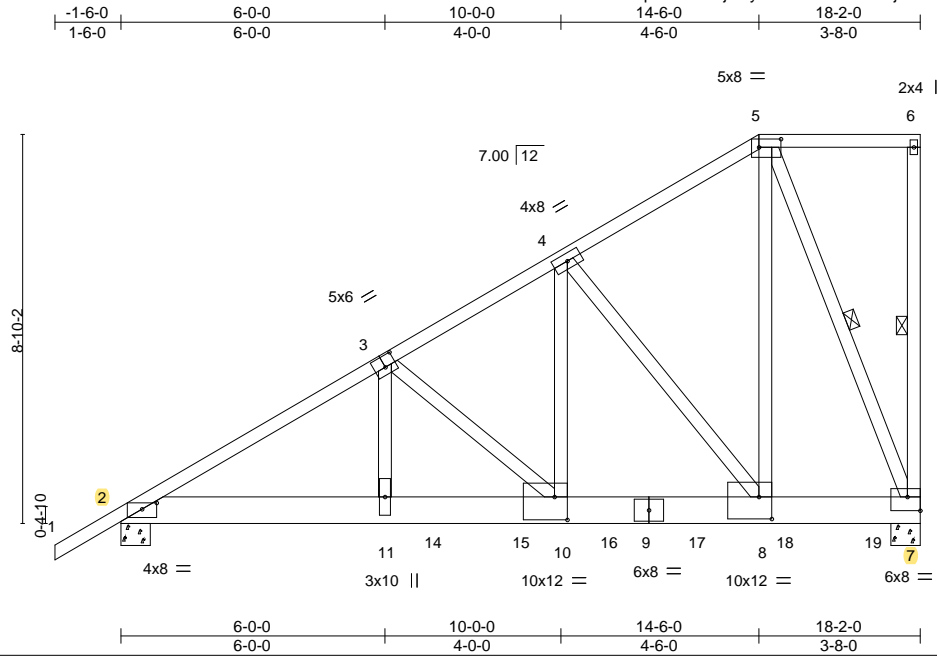


Plate Offsets (X,Y)-- [2:0-4-0,0-1-11], [3:0-3-0,0-3-0], [5:0-6-0,0-2-4], [7:Edge,0-3-12], [8:0-3-8,0-6-0], [10:0-3-8,0-6-4]

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 0.40	Vert(LL)	-0.10 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.35	Vert(CT)	-0.19 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.97	Horz(CT)	0.03 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS					Weight: 311 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
5-8: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-7, 5-7

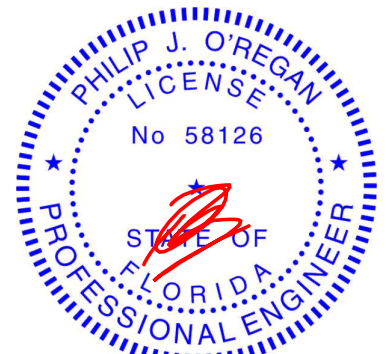
REACTIONS. (size) 7=0-8-0, 2=0-8-0
Max Horz 2=318(LC 8)
Max Uplift 7=1607(LC 8), 2=1108(LC 8)
Max Grav 7=6118(LC 2), 2=3797(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7209/2117, 3-4=-5483/1529, 4-5=-2373/610
BOT CHORD 2-11=-2040/6165, 10-11=-2053/6204, 8-10=-1446/4699, 7-8=-588/2105
WEBS 3-11=-687/2058, 3-10=-2123/789, 4-10=-1439/4706, 4-8=-4292/1410, 5-8=-1622/5993, 5-7=-5411/1512

- 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: 2x8 - 2 rows staggered at 0-4-0 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 1607 lb uplift at joint 7 and 1108 lb uplift at joint 2.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2466 lb down and 903 lb up at 7-0-12, 1268 lb down and 330 lb up at 9-0-12, 1296 lb down and 328 lb up at 11-0-12, 1310 lb down and 326 lb up at 13-0-12, and 1307 lb down and 321 lb up at 15-0-12, and 1302 lb down and 251 lb up at 17-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2



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Date:

June 29,2021

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.
2845635	T32	MONO HIP	1	2	T24511394
Job Reference (optional)					

LOAD CASE(S)
Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 5-6=-54, 2-7=-20

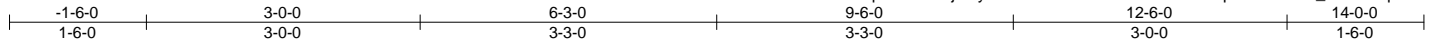
Concentrated Loads (lb)

Vert: 14=-2466(B) 15=-1125(B) 16=-1125(B) 17=-1125(B) 18=-1122(B) 19=-1120(B)

Job 2845635	Truss T33	Truss Type Hip Girder	Qty 1	Ply 1	IC CONST - GOMEZ RES. Job Reference (optional)	T24511395
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Jun 2 2021 MiTek Industries, Inc. Mon Jun 28 16:04:44 2021 Page 1
ID:uJkZZVTEhQKQntlaV8jJMyZ6ft-0hUufS2el12FmRsNkiteEBpmkPVYmm_2PoE0rqz1iOH



Scale = 1:25.2

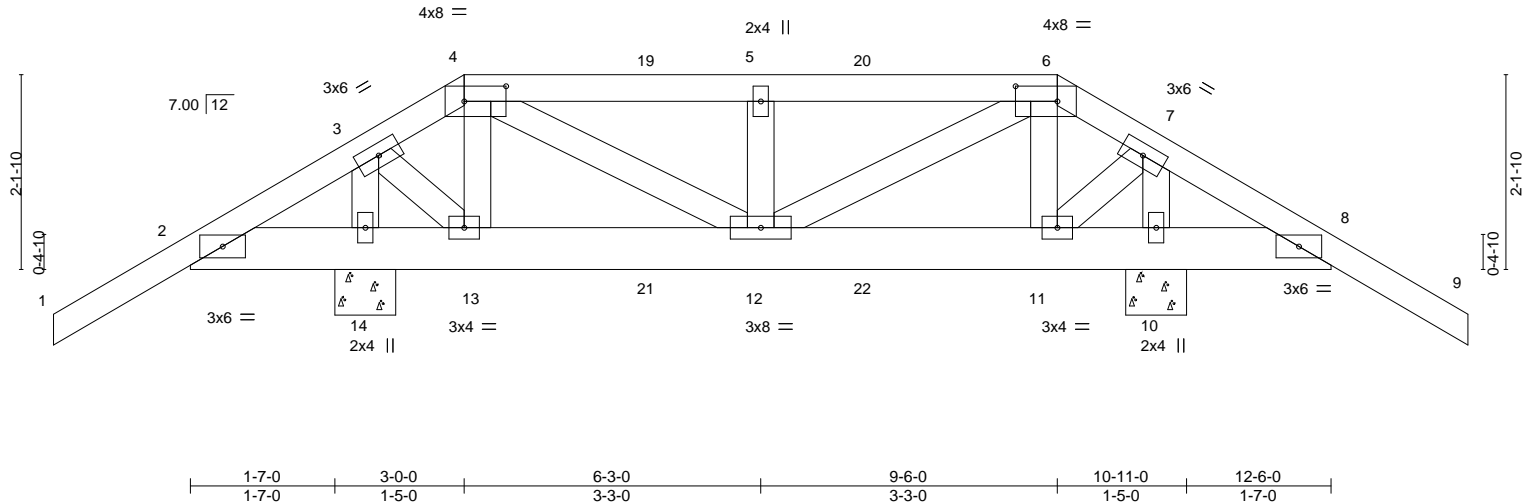


Plate Offsets (X,Y)-- [4:0-5-8,0-2-0], [6:0-5-8,0-2-0]

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 0.15	Vert(LL)	0.01	12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.07	Vert(CT)	-0.01	12	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.16	Horz(CT)	0.00	10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 76 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 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.

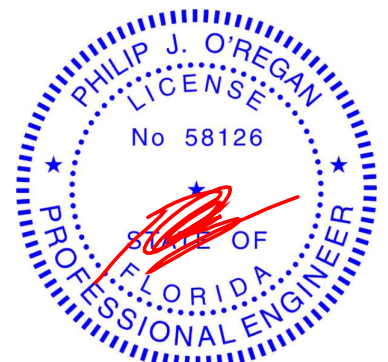
REACTIONS. (size) 14=0-8-0, 10=0-8-0
Max Horz 14=-58(LC 25)
Max Uplift 14=-284(LC 8), 10=-291(LC 9)
Max Grav 14=620(LC 19), 10=622(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-131/298, 4-5=-350/284, 5-6=-350/284, 7-8=-132/297
BOT CHORD 11-12=-198/269
WEBS 4-12=-170/344, 6-12=-154/333, 3-13=-199/418, 3-14=-513/255, 7-11=-203/419,
7-10=-514/260

- 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; cantilever left and right exposed; porch left and right exposed; 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 284 lb uplift at joint 14 and 291 lb uplift at joint 10.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 42 lb up at 3-0-0, 63 lb down and 40 lb up at 5-0-12, 63 lb down and 32 lb up at 6-3-0, and 63 lb down and 40 lb up at 7-5-4, and 95 lb down and 94 lb up at 9-6-0 on top chord, and 93 lb down and 56 lb up at 3-0-0, 22 lb down and 24 lb up at 5-0-12, 22 lb down and 24 lb up at 6-3-0, and 22 lb down and 24 lb up at 7-5-4, and 93 lb down and 56 lb up at 9-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-9=-54, 2-8=-20



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

June 29,2021

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/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

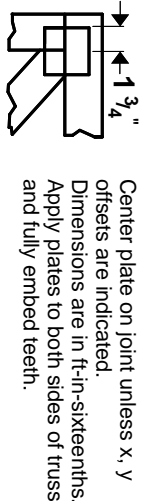
Job	Truss	Truss Type	Qty	Ply	IC CONST - GOMEZ RES.
2845635	T33	Hip Girder	1	1	T24511395
Job Reference (optional)					

LOAD CASE(S)
Standard
Concentrated Loads (lb)

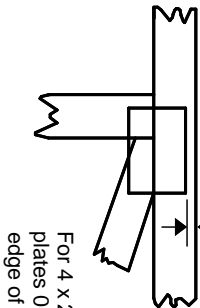
Vert: 4=-6(B) 6=-14(B) 13=-19(B) 12=-8(B) 5=-6(B) 11=-19(B) 19=-6(B) 20=-6(B) 21=-8(B) 22=-8(B)

Symbols

PLATE LOCATION AND ORIENTATION



0-¹/₁₆"



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

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

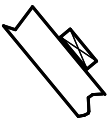
* Plate location details available in **MiTek 20/20** software or upon request.

PLATE SIZE

4 X 4

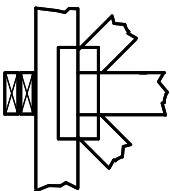
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



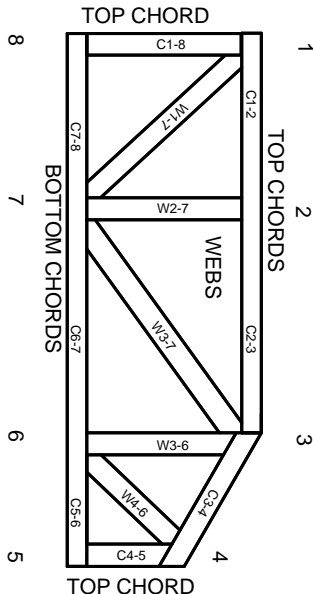
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: 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.