



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

RE: 2926649 - LIPSCOMB EAGLE - LOT 17 TC

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

Site Information:

Customer Info: Lipscomb Eagle Project Name: Spec Hse Model: 1665
Lot/Block: 17 Subdivision: Turkey Creek
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 53 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.

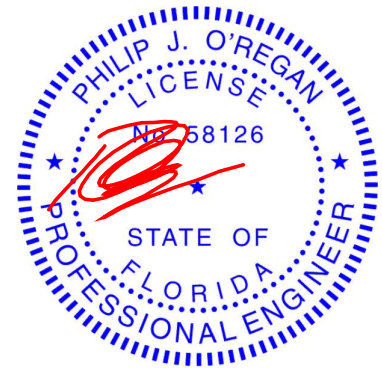
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T25257276	CJ01	9/7/21	23	T25257298	PB06	9/7/21
2	T25257277	CJ01A	9/7/21	24	T25257299	T01	9/7/21
3	T25257278	CJ02	9/7/21	25	T25257300	T01G	9/7/21
4	T25257279	CJ03	9/7/21	26	T25257301	T02	9/7/21
5	T25257280	CJ03A	9/7/21	27	T25257302	T03	9/7/21
6	T25257281	CJ03B	9/7/21	28	T25257303	T04	9/7/21
7	T25257282	CJ04	9/7/21	29	T25257304	T05	9/7/21
8	T25257283	CJ05	9/7/21	30	T25257305	T06	9/7/21
9	T25257284	CJ05A	9/7/21	31	T25257306	T07	9/7/21
10	T25257285	CJ05B	9/7/21	32	T25257307	T08	9/7/21
11	T25257286	CJ06	9/7/21	33	T25257308	T09	9/7/21
12	T25257287	EJ01	9/7/21	34	T25257309	T10	9/7/21
13	T25257288	EJ02	9/7/21	35	T25257310	T11	9/7/21
14	T25257289	HJ08	9/7/21	36	T25257311	T12	9/7/21
15	T25257290	HJ10	9/7/21	37	T25257312	T13	9/7/21
16	T25257291	HJ10A	9/7/21	38	T25257313	T14	9/7/21
17	T25257292	HJ12	9/7/21	39	T25257314	T15	9/7/21
18	T25257293	PB01	9/7/21	40	T25257315	T16	9/7/21
19	T25257294	PB02	9/7/21	41	T25257316	T17	9/7/21
20	T25257295	PB03	9/7/21	42	T25257317	T18	9/7/21
21	T25257296	PB04	9/7/21	43	T25257318	T19	9/7/21
22	T25257297	PB05	9/7/21	44	T25257319	T20	9/7/21

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

Truss Design Engineer's Name: O'Regan, Philip

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

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



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

September 7, 2021



RE: 2926649 - LIPSCOMB EAGLE - LOT 17 TC

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

Site Information:

Customer Info: Lipscomb Eagle Project Name: Spec Hse Model: 1665
Lot/Block: 17 Subdivision: Turkey Creek
Address: TBD, TBD
City: Columbia Cty State: FL

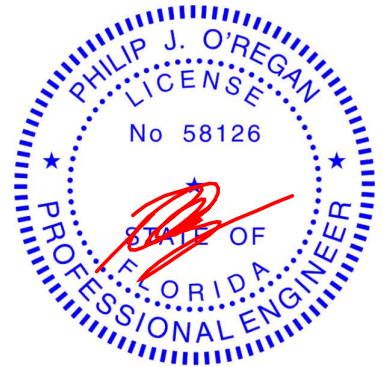
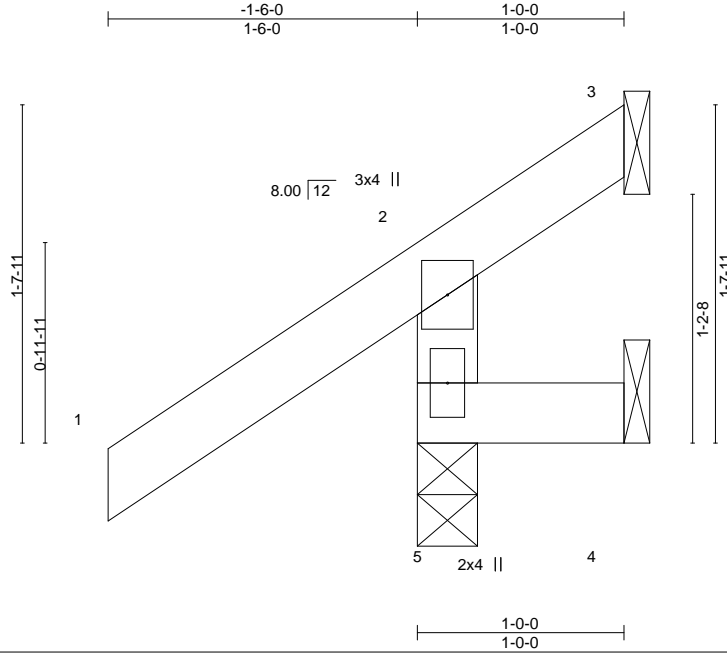
No.	Seal#	Truss Name	Date
45	T25257320	T21	9/7/21
46	T25257321	T22	9/7/21
47	T25257322	T23	9/7/21
48	T25257323	T24	9/7/21
49	T25257324	T25	9/7/21
50	T25257325	T25G	9/7/21
51	T25257326	T26	9/7/21
52	T25257327	T27	9/7/21
53	T25257328	T28	9/7/21

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ01	Jack-Open	5	1	T25257276

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:04 2021 Page 1

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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	Vert(LL)	0.00	5	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.03	Vert(CT)	0.00	5	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 7 lb	FT = 20%
	Code FBC2020/TPI2014							

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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=42(LC 12)
Max Uplift 5=47(LC 12), 3=-43(LC 1), 4=-12(LC 1)
Max Grav 5=207(LC 1), 3=9(LC 16), 4=11(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left 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 47 lb uplift at joint 5, 43 lb uplift at joint 3 and 12 lb uplift at joint 4.

September 7,2021

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

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

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

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



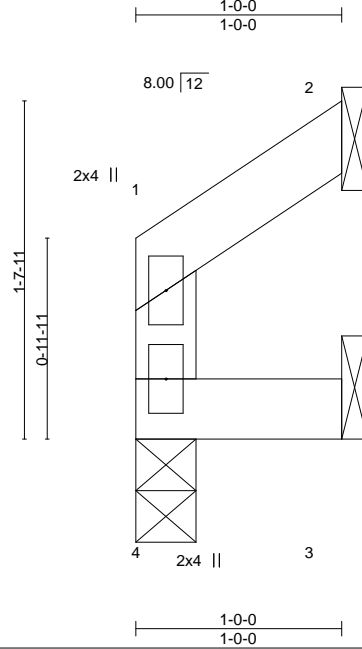
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ01A	Jack-Open	1	1	T25257277

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:04 2021 Page 1

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Scale = 1:11.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.05	Vert(LL)	-0.00	4	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.00	4	>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-MR						
								Weight: 4 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 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

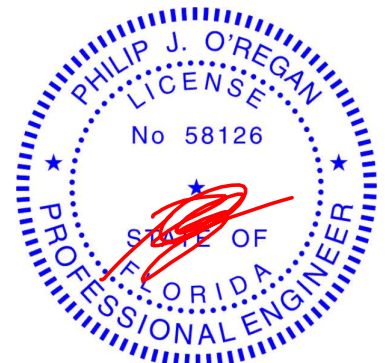
REACTIONS.

(size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=-24(LC 10)
Max Uplift 2=-22(LC 12), 3=-7(LC 9)
Max Grav 4=31(LC 1), 2=27(LC 19), 3=17(LC 10)

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left 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 22 lb uplift at joint 2 and 7 lb uplift at joint 3.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 7, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257278
2926649	CJ02	Jack-Open	2	1	Job Reference (optional)	

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

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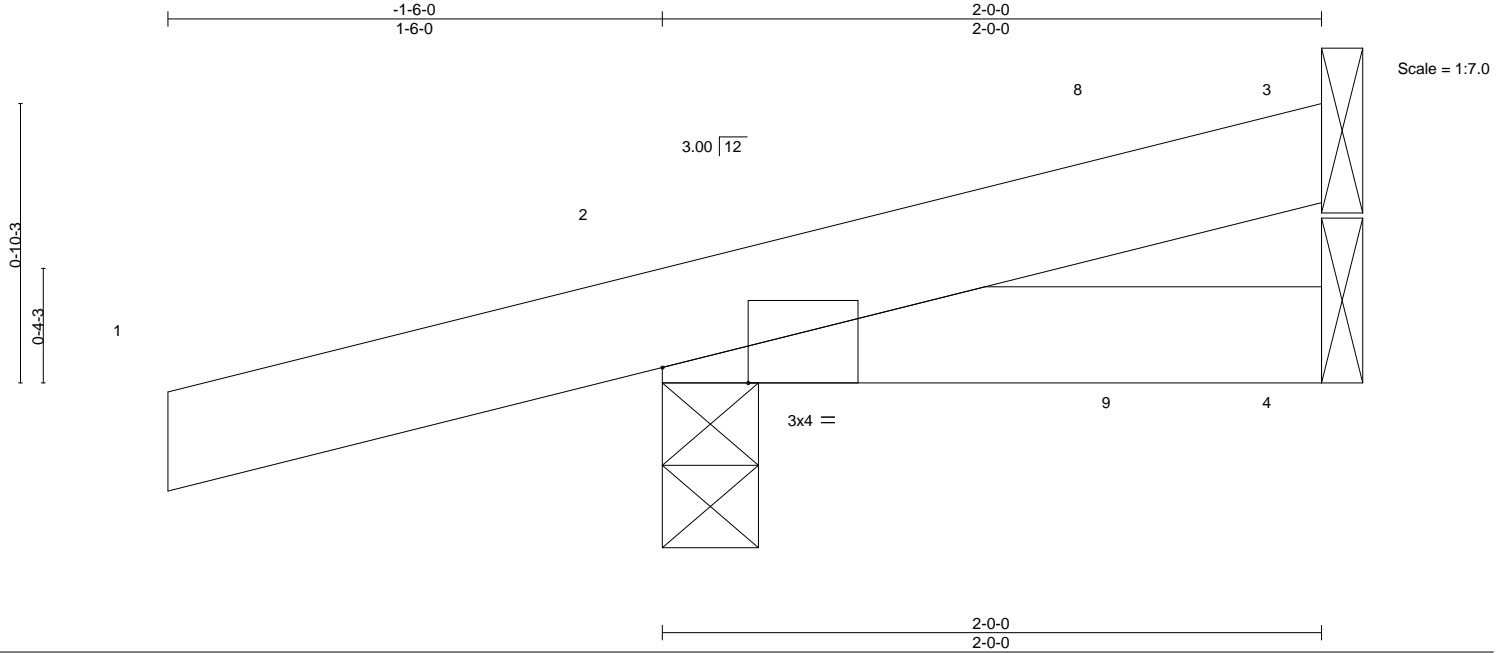


Plate Offsets (X,Y)--		[2:0-3-2,Edge]	
LOADING (psf)		SPACING-	2-0-0
TCLL 20.0		Plate Grip DOL	1.25
TCDL 7.0		Lumber DOL	1.25
BCLL 0.0 *		Rep Stress Incr	YES
BCDL 10.0		Code	FBC2020/TPI2014
		CSI.	
		TC 0.12	
		BC 0.03	
		WB 0.00	
		Matrix-MP	
		DEFL.	
		in (loc)	I/defl L/d
		Vert(LL) -0.00 7	>999 240
		Vert(CT) -0.00 7	>999 180
		Horz(CT) 0.00 2	n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 8 lb	FT = 20%

LUMBER-

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

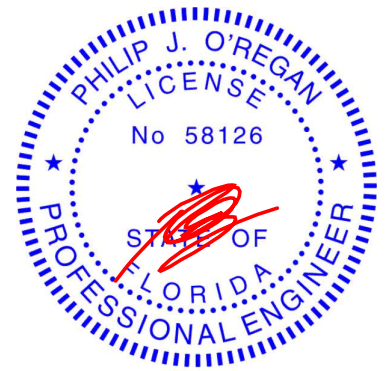
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=33(LC 8)
Max Uplift 3=-12(LC 8), 2=-108(LC 8), 4=-9(LC 9)
Max Grav 3=29(LC 1), 2=185(LC 1), 4=28(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=18ft; 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 1-11-14 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 12 lb uplift at joint 3, 108 lb uplift at joint 2 and 9 lb uplift at joint 4.



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

September 7, 2021

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

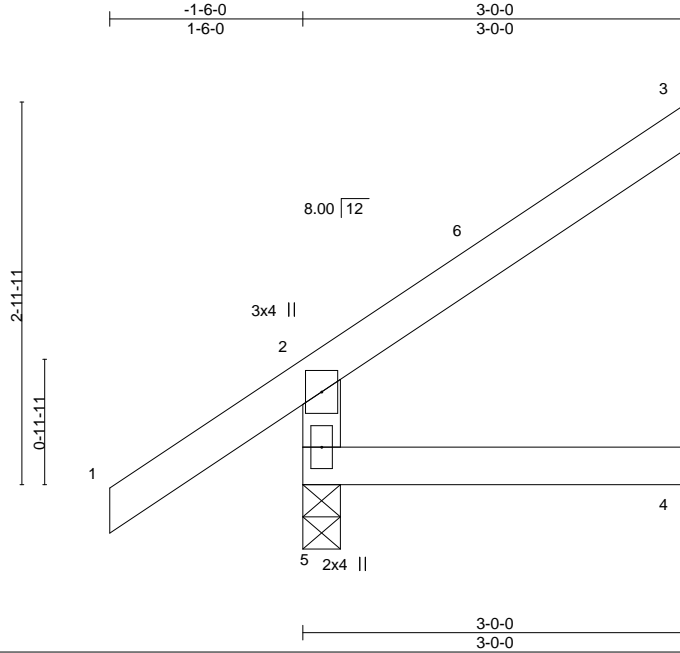


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Tampa, FL 36610

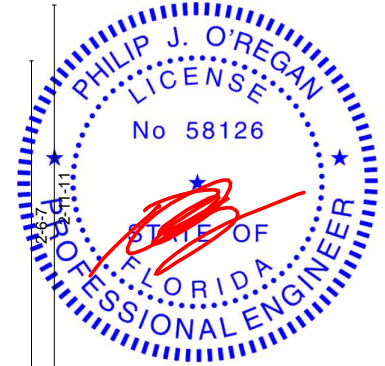
Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ03	Jack-Open	6	1	T25257279

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:06 2021 Page 1
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Scale = 1:17.9



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

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0-0	TC 0.24	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.10	Vert(CT)	-0.01	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	-0.01	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MR						Weight: 14 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'-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=85(LC 12)
Max Uplift 5=-31(LC 12), 3=-51(LC 12), 4=-4(LC 12)
Max Grav 5=218(LC 1), 3=62(LC 19), 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=18ft; 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; end vertical left 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 31 lb uplift at joint 5, 51 lb uplift at joint 3 and 4 lb uplift at joint 4.

September 7,2021

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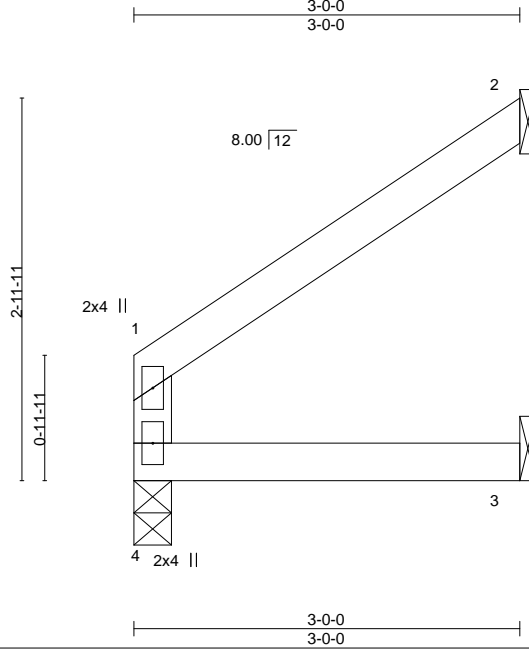
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ03A	Jack-Open	1	1	T25257280

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:06 2021 Page 1

ID:uGyLaR0sTnMsfMNIqAoopzflqg-nuM1Z74n?AltTuPdUt0kEVJx3XYsY?4AmA2GTygg?d



Scale = 1:17.9

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0-0	TC 0.19	Vert(LL)	0.01	3-4	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.12	Vert(CT)	-0.01	3-4	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.01	2	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 11 lb	FT = 20%
	Code FBC2020/TPI2014							

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'-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

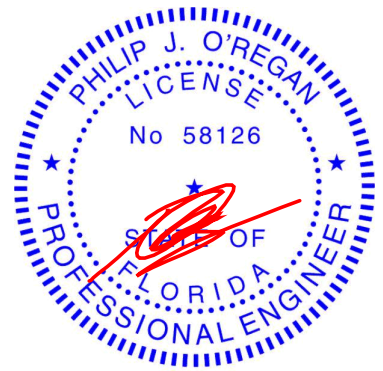
REACTIONS.

(size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=53(LC 12)
Max Uplift 2=-57(LC 12), 3=-6(LC 12)
Max Grav 4=103(LC 1), 2=77(LC 19), 3=53(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left 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 57 lb uplift at joint 2 and 6 lb uplift at joint 3.



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

September 7, 2021

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



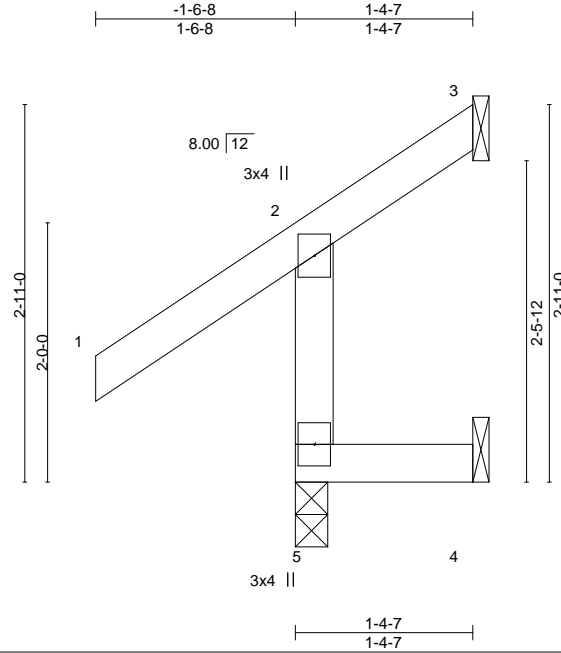
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ03B	Jack-Open	1	1	T25257281

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:07 2021 Page 1

ID:uGyLaR0sTnMsfMNTAqAoopzflqg-F4wQnT5PmUtk42_p2aXznjs3QsSbWb?FDPQvbovygg?c



Scale = 1:17.8

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	Vert(LL)	-0.00	5	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.14	Vert(CT)	-0.00	5	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.02	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 10 lb	FT = 20%
	Code FBC2020/TPI2014							

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 1-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=63(LC 9)
Max Uplift 5=-3(LC 12), 3=-30(LC 9), 4=-33(LC 9)
Max Grav 5=199(LC 1), 3=19(LC 10), 4=40(LC 10)

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left 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 3 lb uplift at joint 5, 30 lb uplift at joint 3 and 33 lb uplift at joint 4.



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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257282
2926649	CJ04	Jack-Open	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:08 2021 Page 1
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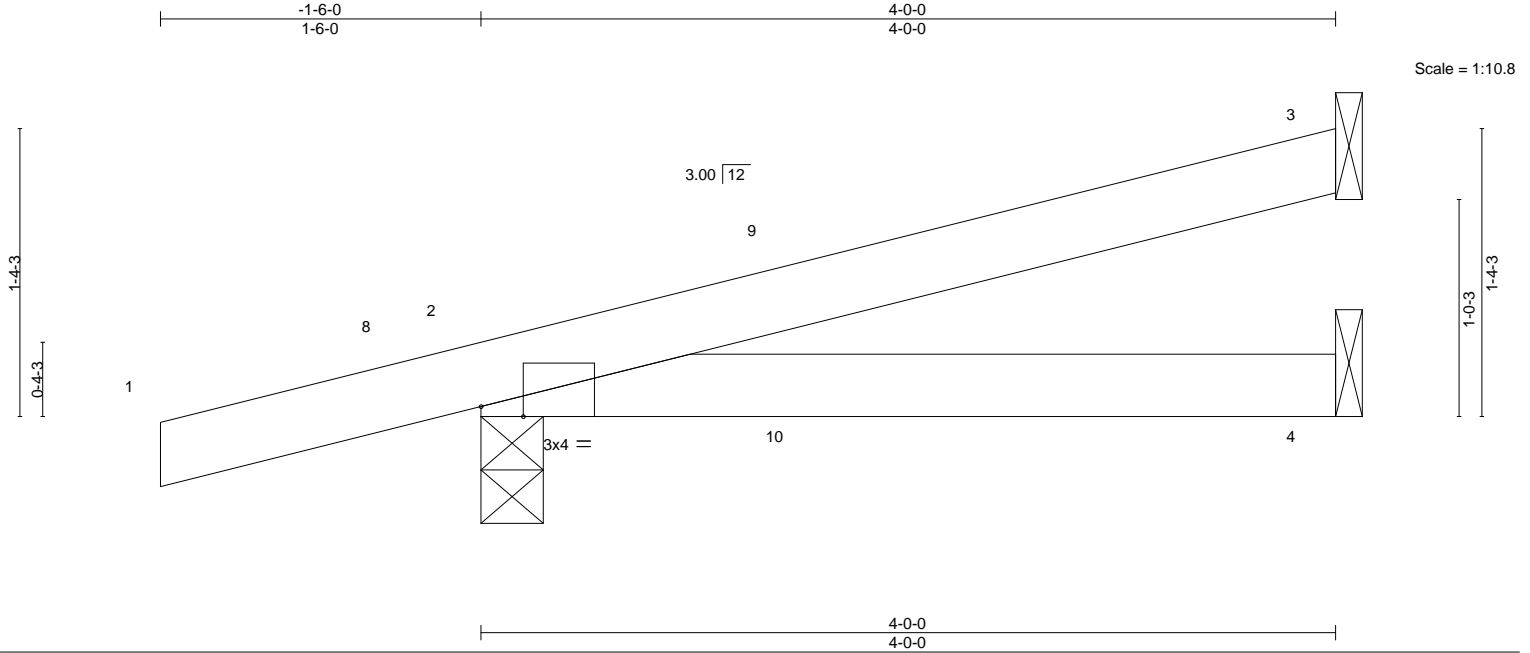


Plate Offsets (X,Y)-- [2:0-2-6,Edge]											
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.21		Vert(LL)	0.03 4-7	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.23		Vert(CT)	0.03 4-7	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00 2	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MP						Weight: 14 lb	FT = 20%

LUMBER-

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

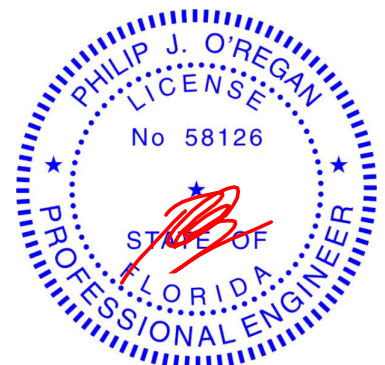
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=50(LC 8)
Max Uplift 3=41(LC 8), 2=129(LC 8), 4=22(LC 8)
Max Grav 3=84(LC 1), 2=242(LC 1), 4=66(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 3-11-4 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 41 lb uplift at joint 3, 129 lb uplift at joint 2 and 22 lb uplift at joint 4.



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Date:

September 7,2021

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

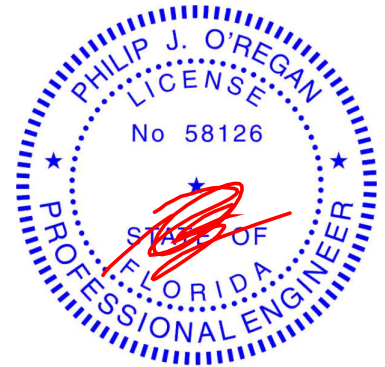
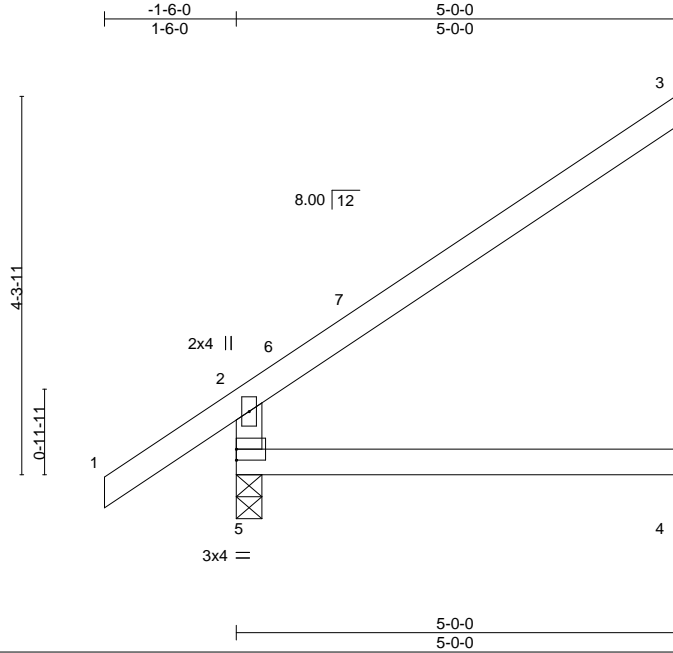


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ05	Jack-Open	5	1	T25257283

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:08 2021 Page 1
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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	Vert(LL)	0.03	4-5	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.27	Vert(CT)	-0.05	4-5	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.03	3	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 20 lb	FT = 20%
	Code FBC2020/TPI2014							

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 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=129(LC 12)
Max Uplift 5=-32(LC 12), 3=-88(LC 12), 4=-5(LC 12)
Max Grav 5=281(LC 1), 3=121(LC 19), 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=18ft; 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; end vertical left 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 32 lb uplift at joint 5, 88 lb uplift at joint 3 and 5 lb uplift at joint 4.

September 7, 2021

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



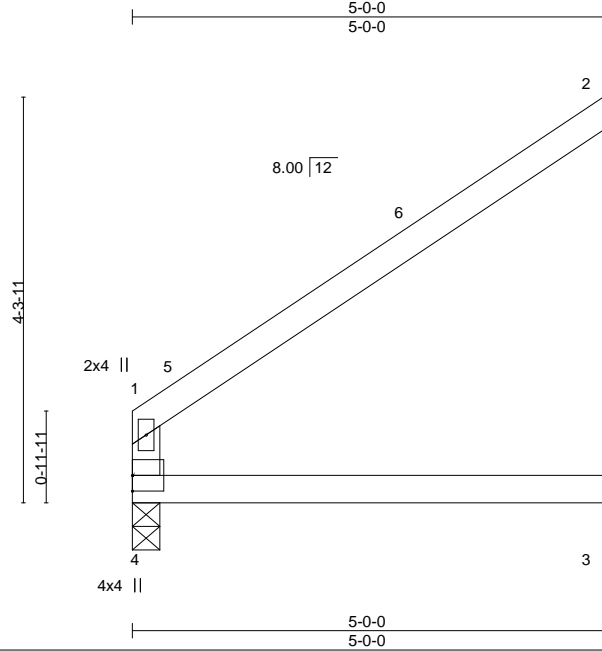
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ05A	Jack-Open	2	1	T25257284

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:09 2021 Page 1

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Scale = 1:24.5

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0"-0	TC 0.40	Vert(LL)	0.04	3-4	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.28	Vert(CT)	-0.06	3-4	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.04	2	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR					Weight: 17 lb	FT = 20%
	Code FBC2020/TPI2014							

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'-0"-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0"-0 oc bracing.

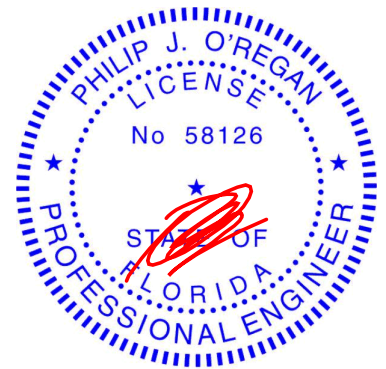
REACTIONS.

(size) 4=0-3-8, 2=Mechanical, 3=Mechanical
Max Horz 4=98(LC 12)
Max Uplift 2=-91(LC 12), 3=-6(LC 12)
Max Grav 4=177(LC 1), 2=128(LC 19), 3=91(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-11-4 zone; end vertical left 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" tall by 2'-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 91 lb uplift at joint 2 and 6 lb uplift at joint 3.



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

September 7, 2021

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

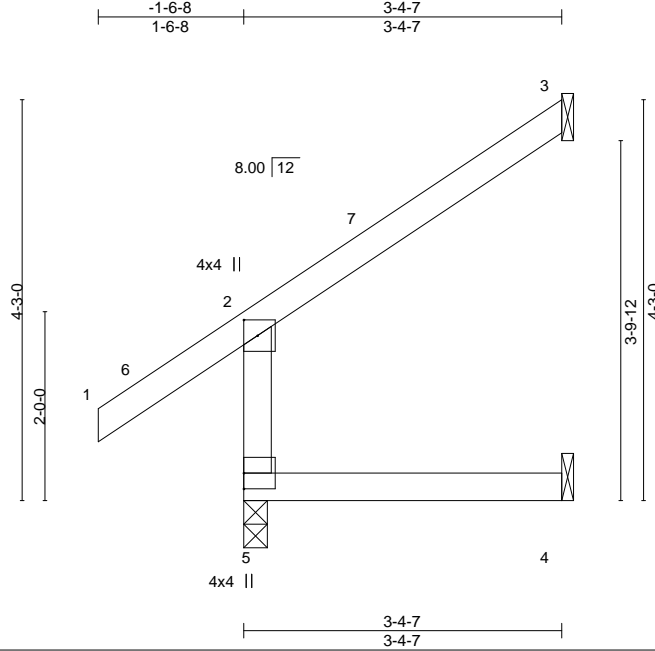


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	CJ05B	Jack-Open	1	1	T25257285

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:10 2021 Page 1
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Scale = 1:24.4

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

LOADING (psf)	SPACING-	CSL.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	Vert(LL)	0.02	4-5	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.32	Vert(CT)	0.02	4-5	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.00	Horz(CT)	-0.07	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MR							
	Code FBC2020/TPI2014							Weight: 16 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 3-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

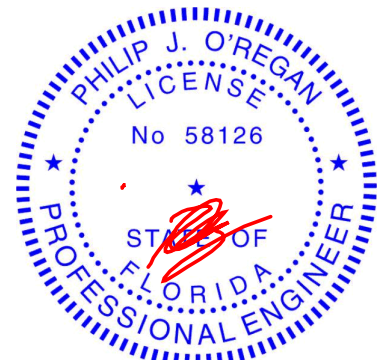
REACTIONS.

(size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=87(LC 9)
Max Uplift 5=-4(LC 12), 3=-72(LC 12), 4=-18(LC 12)
Max Grav 5=232(LC 1), 3=79(LC 19), 4=59(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 3-3-11 zone; end vertical left 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 4 lb uplift at joint 5, 72 lb uplift at joint 3 and 18 lb uplift at joint 4.



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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257286
2926649	CJ06	Jack-Open	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:10 2021 Page 1
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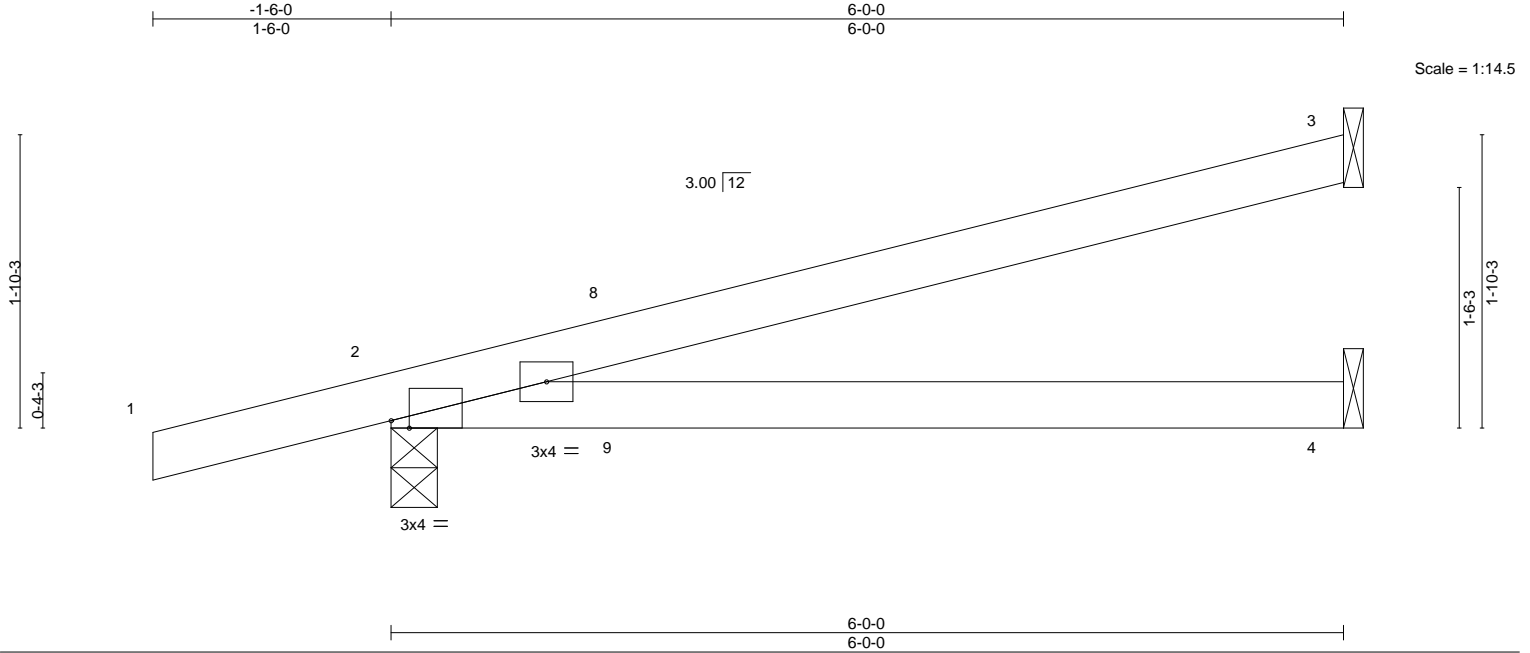


Plate Offsets (X,Y)-- [2:0-1-6,Edge]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.18 4-7 >404	240	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	0.15 4-7 >467	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00 3 n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 21 lb FT = 20%

LUMBER-

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

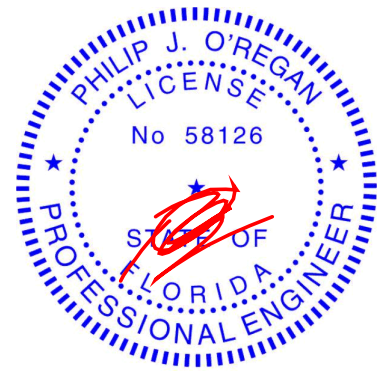
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=66(LC 8)
Max Uplift 3=67(LC 8), 2=158(LC 8), 4=36(LC 8)
Max Grav 3=136(LC 1), 2=311(LC 1), 4=104(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-11-4 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 67 lb uplift at joint 3, 158 lb uplift at joint 2 and 36 lb uplift at joint 4.



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

September 7, 2021

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

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

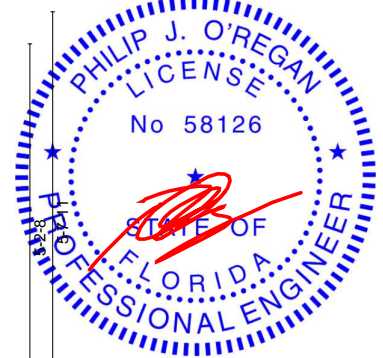
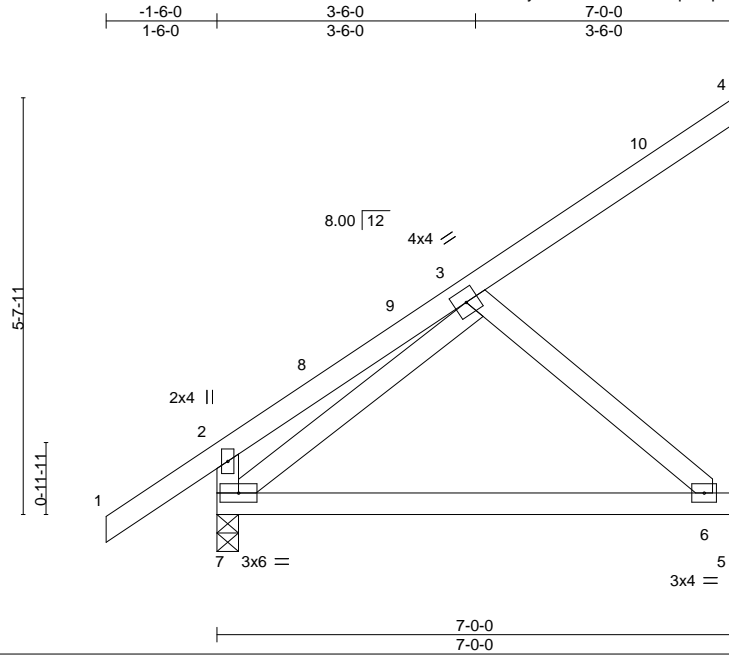


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	EJ01	Jack-Partial	13	1	T25257287

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:11 2021 Page 1
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Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	Vert(LL)	-0.09	6-7	>890	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.48	Vert(CT)	-0.19	6-7	>438	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS						Weight: 39 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=Mechanical, 5=Mechanical, 7=0-3-8
Max Horz 7=168(LC 12)
Max Uplift 4=-45(LC 12), 5=-69(LC 12), 7=-38(LC 12)
Max Grav 4=84(LC 19), 5=173(LC 19), 7=351(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=18ft; 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; end vertical left 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 45 lb uplift at joint 4, 69 lb uplift at joint 5 and 38 lb uplift at joint 7.

September 7,2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257288
2926649	EJ02	Jack-Partial	10	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:12 2021 Page 1
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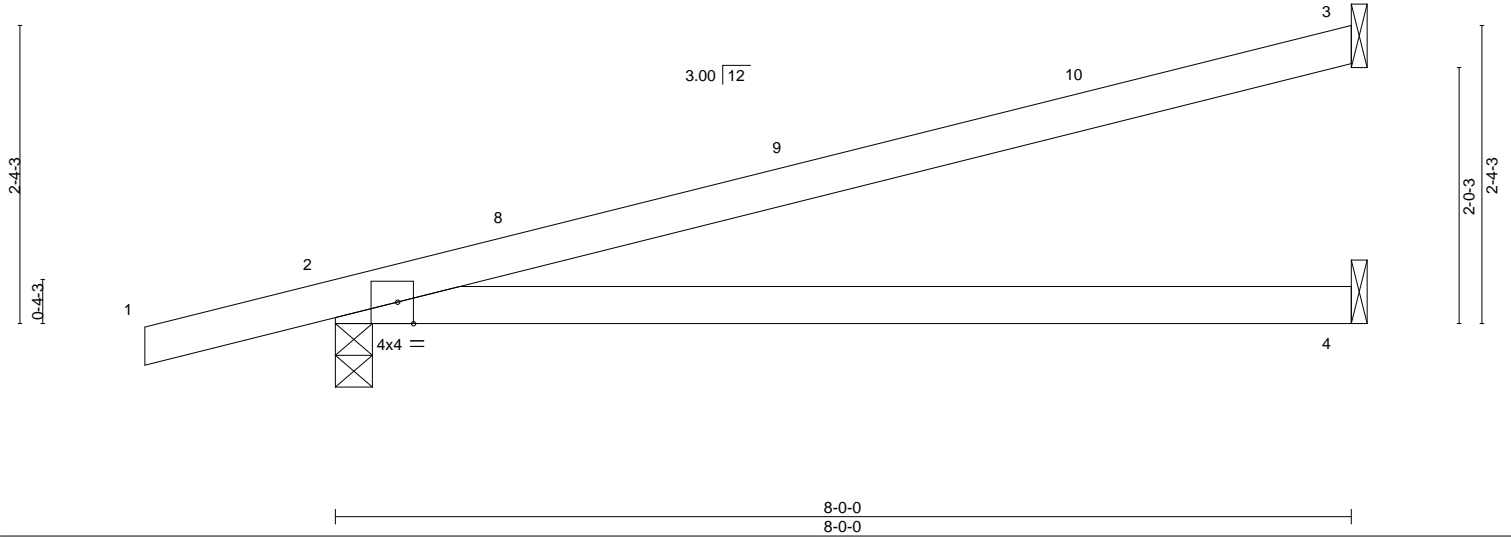


Plate Offsets (X,Y)-- [2:0-1-8,Edge]											
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.17	4-7	>563	240	
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.37	4-7	>257	180	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a	
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							
										PLATES	GRIP
										MT20	244/190
										Weight: 27 lb	FT = 20%

LUMBER-

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

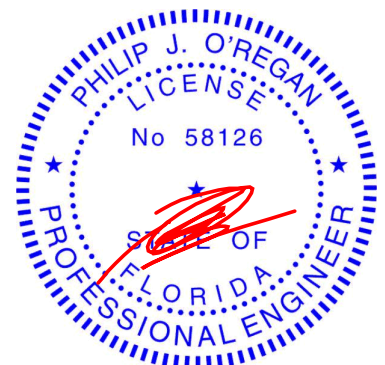
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=83(LC 8)
Max Uplift 3=83(LC 8), 2=-126(LC 8)
Max Grav 3=187(LC 1), 2=382(LC 1), 4=141(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-11-4 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 83 lb uplift at joint 3 and 126 lb uplift at joint 2.



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Date:

September 7, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257289
2926649	HJ08	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:13 2021 Page 1
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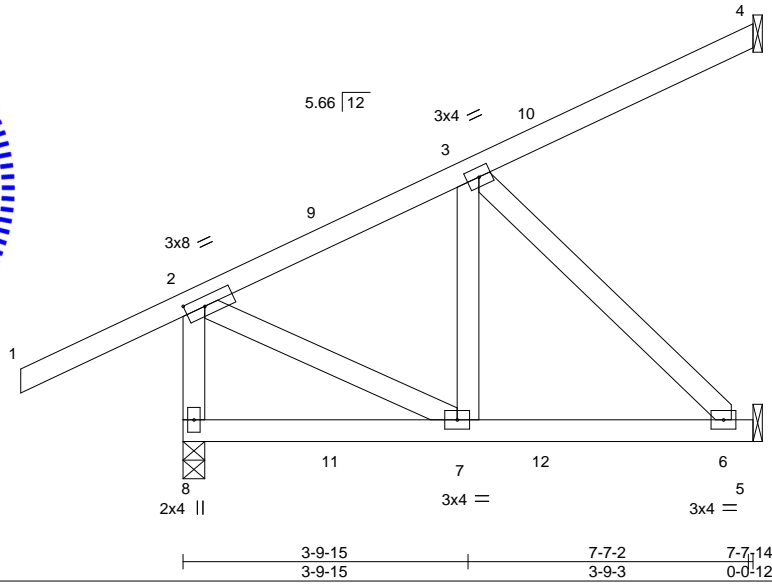
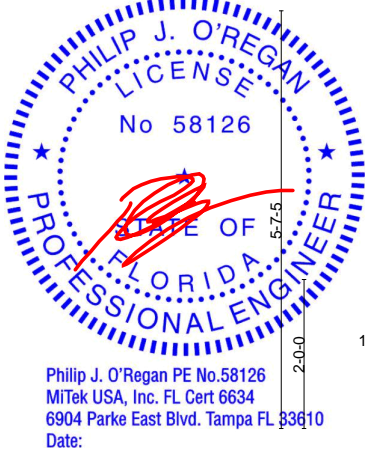


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.37	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	-0.02	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.13	Horz(CT)	-0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 47 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=0-3-8, 4=Mechanical, 5=Mechanical
Max Horz 8=128(LC 26)
Max Uplift 8=172(LC 8), 4=64(LC 8), 5=158(LC 8)
Max Grav 8=418(LC 1), 4=93(LC 19), 5=210(LC 32)

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

TOP CHORD 2-8=-397/166, 2-3=-278/131
WEBS 2-7=-94/274, 3-6=-267/250

NOTES-

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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 172 lb uplift at joint 8, 64 lb uplift at joint 4 and 158 lb uplift at joint 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 96 lb up at 2-0-5, 79 lb down and 53 lb up at 2-1-13, and 92 lb down and 75 lb up at 4-10-4, and 109 lb down and 99 lb up at 4-11-12 on top chord, and 31 lb down and 35 lb up at 2-0-5, 24 lb down and 11 lb up at 2-1-13, and 38 lb down and 27 lb up at 4-10-4, and 46 lb down and 19 lb up at 4-11-12 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: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 9=25(F) 10=-35(B) 11=7(F=6, B=2) 12=-23(F=-1, B=-23)

September 7, 2021

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

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



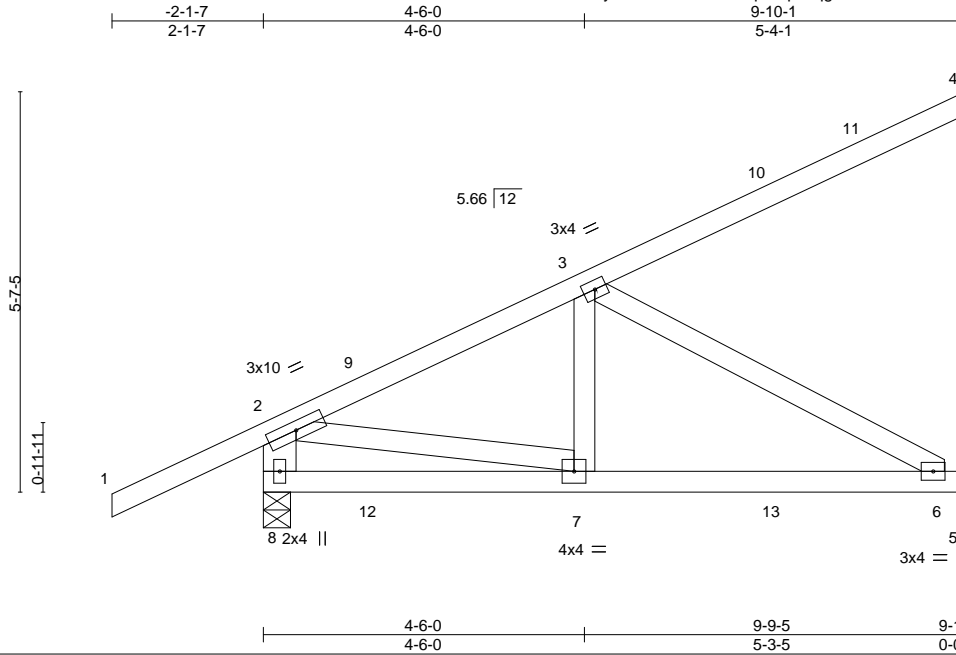
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	HJ10	Diagonal Hip Girder	2	1	T25257290

Builders FirstSource (Lake City, FL),

Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:14 2021 Page 1
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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.59	Vert(LL) -0.05	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.54	Vert(CT) -0.10	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.32	Horz(CT) -0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 54 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 8=0-4-9, 4=Mechanical, 5=Mechanical
Max Horz 8=167(LC 8)
Max Uplift 8=232(LC 8), 4=98(LC 8), 5=151(LC 8)
Max Grav 8=478(LC 35), 4=149(LC 1), 5=294(LC 32)

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

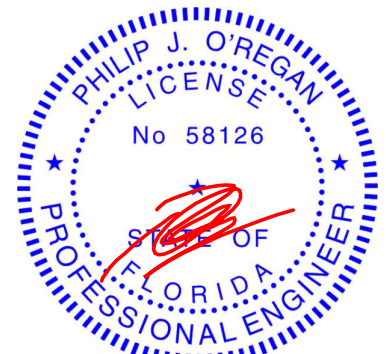
TOP CHORD 2-8=-451/222, 2-3=-564/226
BOT CHORD 7-8=-289/0, 6-7=-293/433
WEBS 2-7=-228/595, 3-6=-495/335

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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 232 lb uplift at joint 8, 98 lb uplift at joint 4 and 151 lb uplift at joint 5.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 119 lb up at 1-6-1, 52 lb down and 119 lb up at 1-6-1, 79 lb down and 53 lb up at 4-4-0, 79 lb down and 53 lb up at 4-4-0, and 109 lb down and 103 lb up at 7-1-15, and 109 lb down and 99 lb up at 7-1-15 on top chord, and 9 lb down and 42 lb up at 1-6-1, 9 lb down and 42 lb up at 1-6-1, 24 lb down and 11 lb up at 4-4-0, 24 lb down and 11 lb up at 4-4-0, and 47 lb down and 21 lb up at 7-1-15, and 46 lb down and 19 lb up at 7-1-15 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: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=3(F=2, B=2) 9=61(F=31, B=31) 10=-78(F=-35, B=-43) 13=-52(F=-23, B=-30)



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

September 7, 2021

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

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

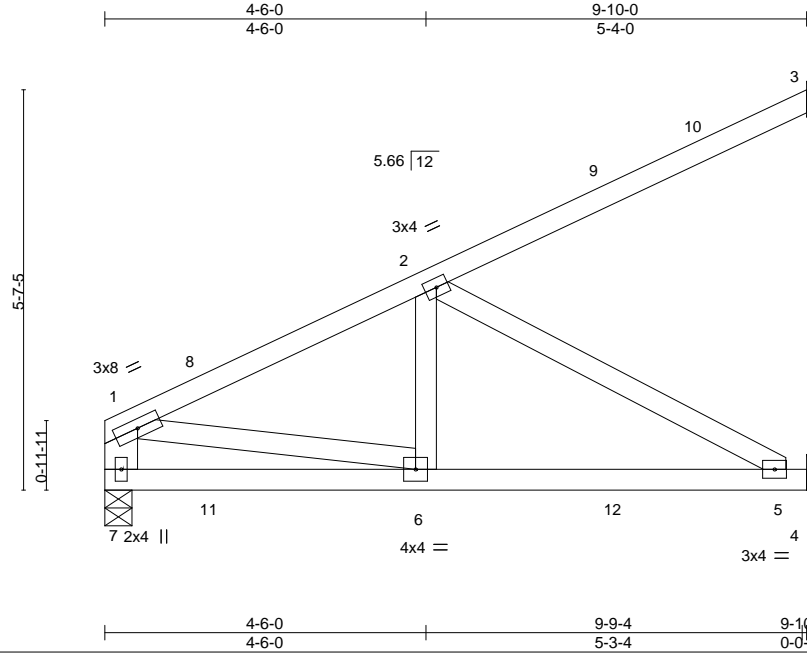


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Tampa, FL 36610

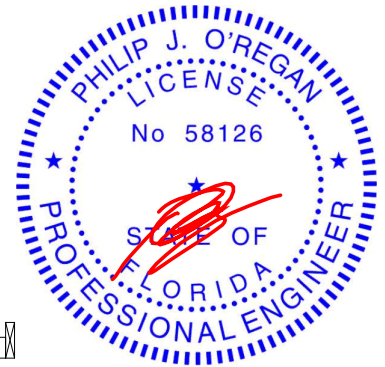
Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	HJ10A	Diagonal Hip Girder	1	1	T25257291

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:15 2021 Page 1
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Scale: 3/8\"=1'



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

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.57	Vert(LL) -0.05	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.55	Vert(CT) -0.11	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.34	Horz(CT) -0.01	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 50 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
1-7: 2x6 SP No.2

BRACING-

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

REACTIONS.

(size) 7=0-4-9, 3=Mechanical, 4=Mechanical
Max Horz 7=135(LC 26)
Max Uplift 7=158(LC 8), 3=98(LC 8), 4=157(LC 8)
Max Grav 7=417(LC 34), 3=147(LC 1), 4=309(LC 32)

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

TOP CHORD 1-7=-384/154, 1-2=-592/223
BOT CHORD 5-6=-304/463
WEBS 1-6=-205/475, 2-5=-529/347

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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 158 lb uplift at joint 7, 98 lb uplift at joint 3 and 157 lb uplift at joint 4.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 60 lb down and 18 lb up at 1-6-0, 53 lb down and 116 lb up at 1-6-1, 81 lb down and 61 lb up at 4-3-15, 79 lb down and 53 lb up at 4-4-0, and 109 lb down and 103 lb up at 7-1-14, and 109 lb down and 99 lb up at 7-1-15 on top chord, and 9 lb down and 9 lb up at 1-6-0, 9 lb down and 42 lb up at 1-6-1, 26 lb down and 15 lb up at 4-3-15, 24 lb down and 11 lb up at 4-4-0, and 47 lb down and 21 lb up at 7-1-14, and 46 lb down and 19 lb up at 7-1-15 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, 4-7=-20
Concentrated Loads (lb)
Vert: 6=-4(F=2, B=-5) 2=-0(B) 8=30(F) 9=-78(F=-35, B=-43) 11=-1(B) 12=-52(F=-23, B=-30)

September 7,2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257292
2926649	HJ12	Diagonal Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:16 2021 Page 1
ID:uGyLaR0sTnMsfMNTAqAoopzflqg-VpzpfYC2eF?SgRAY4zB4eckYZ5r?CvqYUJbZcuygg?T



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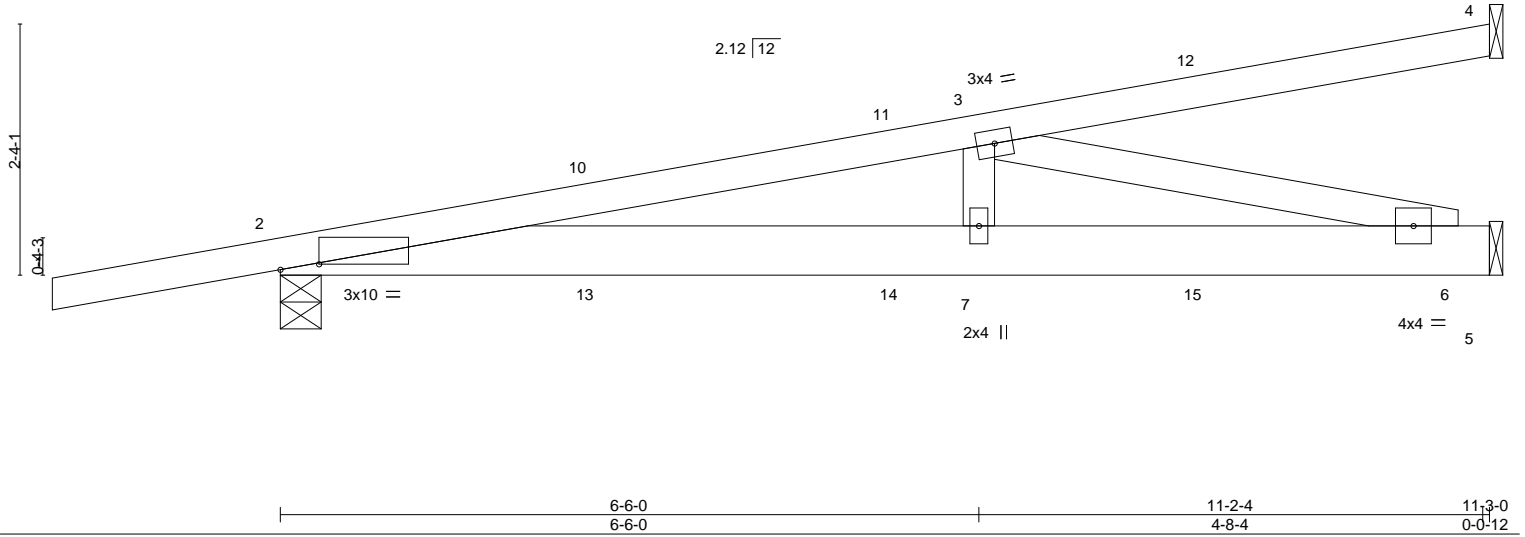


Plate Offsets (X,Y)-- [2:0-4-5,0-0-10]		6-6-0		11-2-4		11-3-0	
		6-6-0		4-8-4		0-0-12	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	0.09 7-9	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.50	Vert(CT)	-0.13 7-9	>999	180
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.68	Horz(CT)	0.02 5	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 54 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 4-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-7 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=79(LC 4)
Max Uplift 4=63(LC 10), 2=318(LC 4), 5=222(LC 4)
Max Grav 4=146(LC 1), 2=614(LC 1), 5=445(LC 1)

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

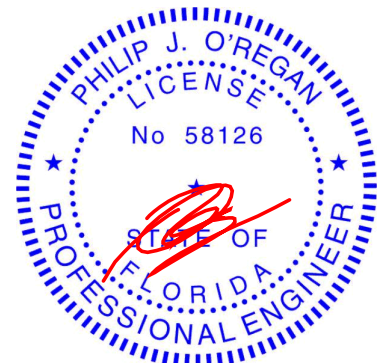
TOP CHORD 2-3=-1533/720
BOT CHORD 2-7=-747/1501, 6-7=-747/1501
WEBS 3-7=-113/344, 3-6=-1548/771

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 63 lb uplift at joint 4, 318 lb uplift at joint 2 and 222 lb uplift at joint 5.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 10 lb down and 14 lb up at 2-11-0, 10 lb down and 14 lb up at 2-11-0, 31 lb down and 50 lb up at 5-8-15, 31 lb down and 50 lb up at 5-8-15, and 60 lb down and 82 lb up at 8-6-14, and 60 lb down and 82 lb up at 8-6-14 on top chord, and 7 lb down and 13 lb up at 2-11-0, 7 lb down and 13 lb up at 2-11-0, 29 lb down and 33 lb up at 5-8-15, 29 lb down and 33 lb up at 5-8-15, and 49 lb down and 54 lb up at 8-6-14, and 49 lb down and 54 lb up at 8-6-14 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: 1-4=-54, 2-5=-20
Concentrated Loads (lb)
Vert: 11=-16(F=-8, B=-8) 12=-120(F=-60, B=-60) 13=-0(F=-0, B=-0) 14=-36(F=-18, B=-18) 15=-90(F=-45, B=-45)



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

September 7, 2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257293
2926649	PB01	Piggyback	6	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:17 2021 Page 1
ID:uGyLaR0sTnMsfMNTAqAoopzflqg-z?XCtuCgPZ7JHalkdhiJBqHoDUF0xW_hizK79Kygg?S

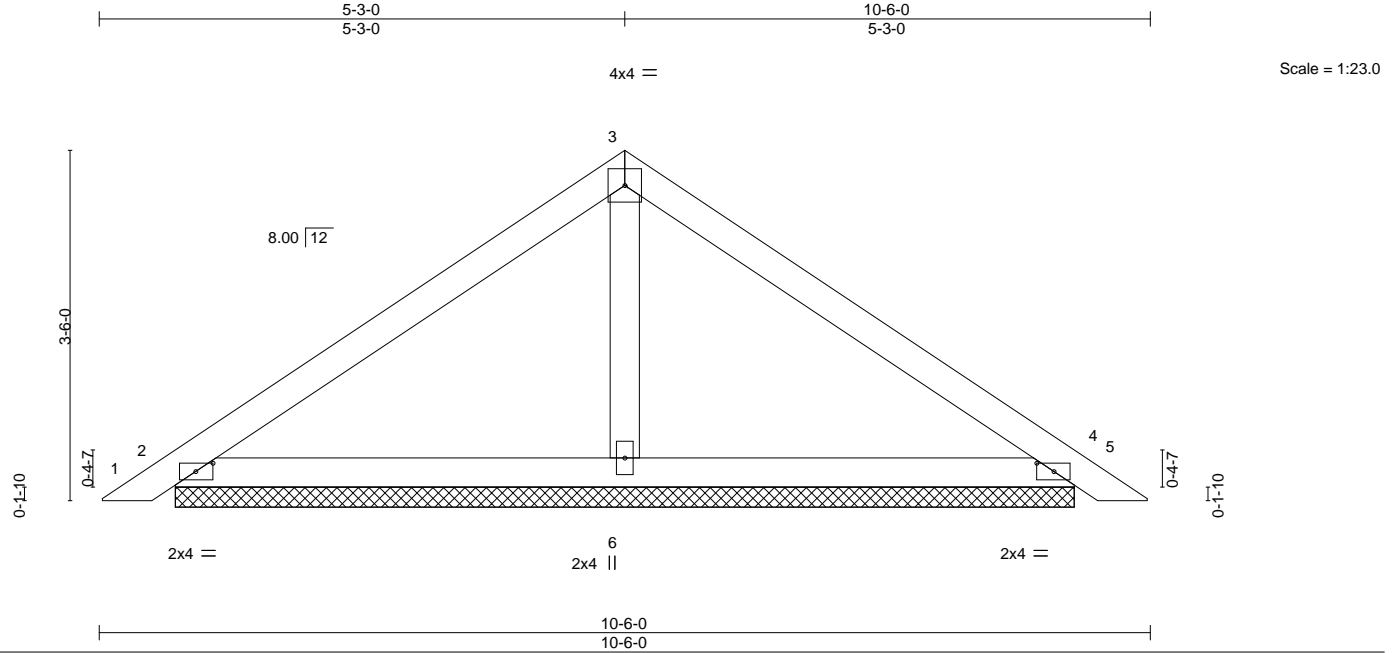


Plate Offsets (X,Y)--		[2:0-2-1,0-1-0], [4:0-2-1,0-1-0]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.22	Vert(LL) 0.01 5 n/r 120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.19	Vert(CT) 0.01 5 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.05	Horz(CT) 0.00 4 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
OTHERS 2x4 SP No.3

BRACING-

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

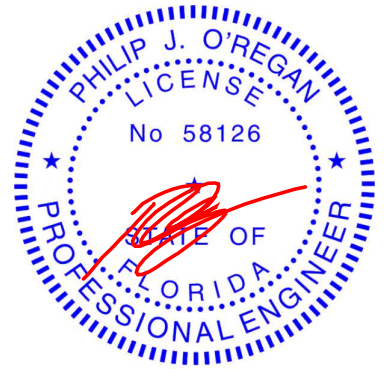
REACTIONS.

(size) 2=8-11-12, 4=8-11-12, 6=8-11-12
Max Horz 2=71(LC 11)
Max Uplift 2=51(LC 12), 4=60(LC 13), 6=42(LC 12)
Max Grav 2=190(LC 1), 4=190(LC 1), 6=337(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 5-3-0, Exterior(2R) 5-3-0 to 8-3-0, Interior(1) 8-3-0 to 10-2-11 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 2, 60 lb uplift at joint 4 and 42 lb uplift at joint 6.
- 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:

September 7, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	PB02	Piggyback	2	1	T25257294

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:17 2021 Page 1
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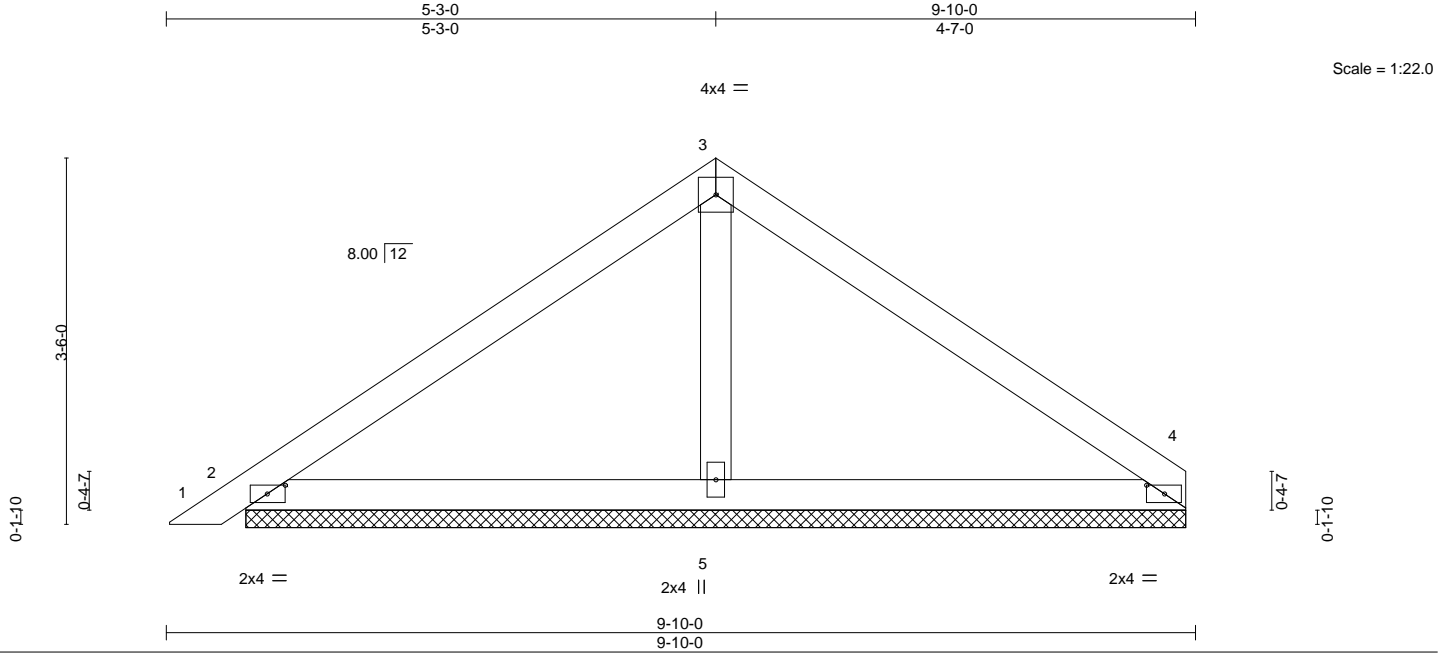


Plate Offsets (X,Y)-- [2:0-2-1,0-1-0], [4:0-2-1,0-1-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.20	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-S						Weight: 35 lb	FT = 20%

LUMBER-

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

BRACING-

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

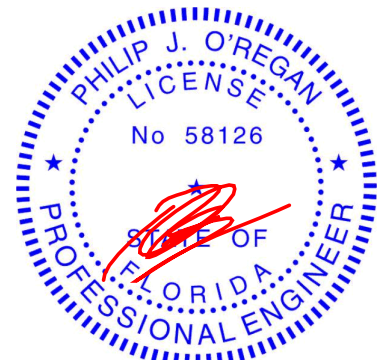
REACTIONS.

(size) 4=8-11-12, 2=8-11-12, 5=8-11-12
Max Horz 2=69(LC 9)
Max Uplift 4=49(LC 13), 2=50(LC 12), 5=43(LC 12)
Max Grav 4=163(LC 1), 2=190(LC 1), 5=338(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 5-3-0, Exterior(2R) 5-3-0 to 8-3-0, Interior(1) 8-3-0 to 9-8-14 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 49 lb uplift at joint 4, 50 lb uplift at joint 2 and 43 lb uplift at joint 5.
- 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:

September 7, 2021

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

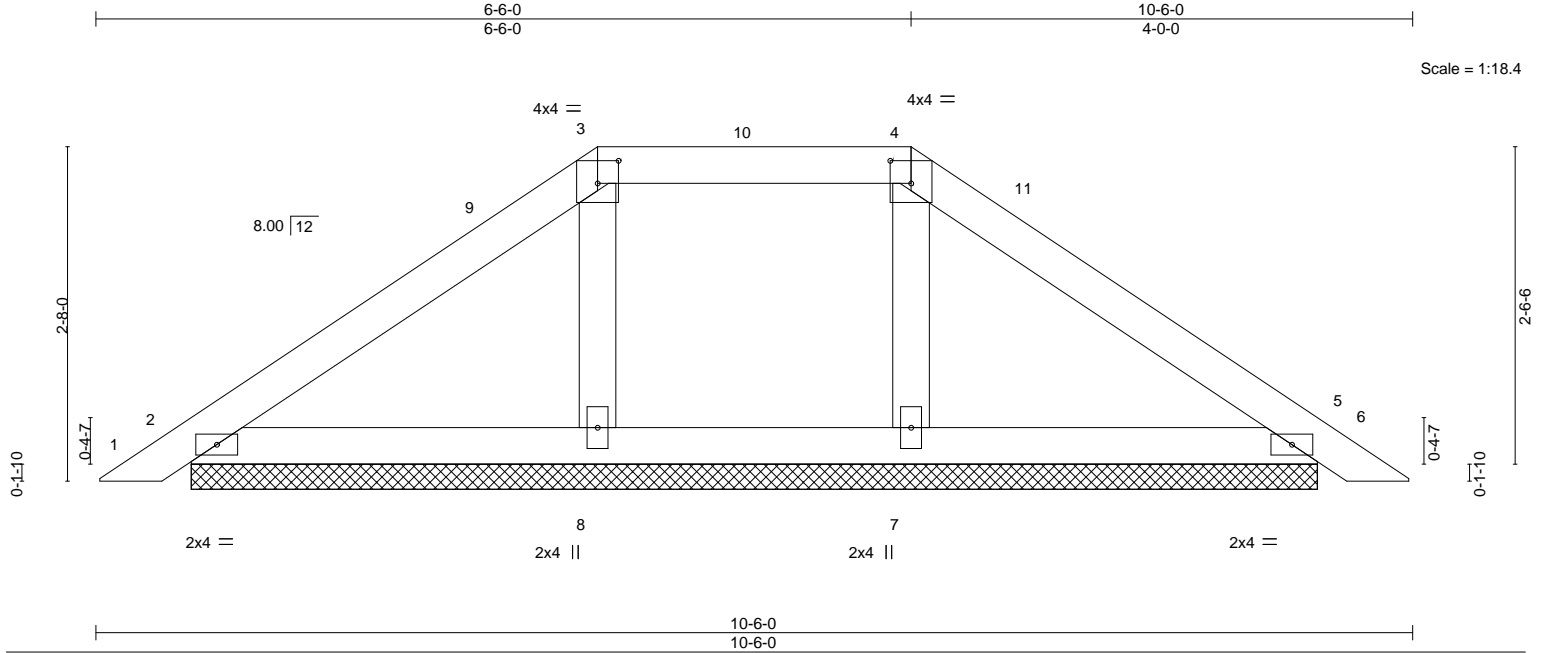


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257295
2926649	PB03	Piggyback	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:18 2021 Page 1
ID:uGyLaR0sTnMsfMntAqAoopzflqg-RB5a4EDlAsFAvkKxBODYj1p?qud4gzWrx04ghnygg?R



LOADING (psf)		SPACING-		CSL		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	0.00 6 n/r 120	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00 6 n/r 120				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00 5 n/a n/a				
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							
								Weight: 37 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.

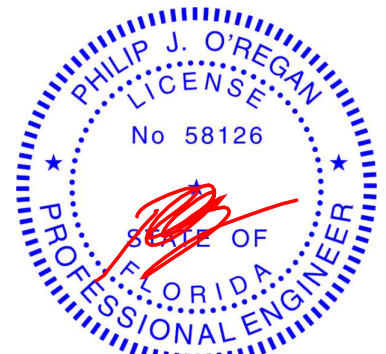
REACTIONS.

All bearings 8-11-12.
(lb) - Max Horz 2=53(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 5, 7, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 5, 7, 8

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 4-0-0, Exterior(2E) 4-0-0 to 10-2-11 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.
- 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, 5, 7, 8.
- 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
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September 7, 2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257296
2926649	PB04	Piggyback	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:19 2021 Page 1
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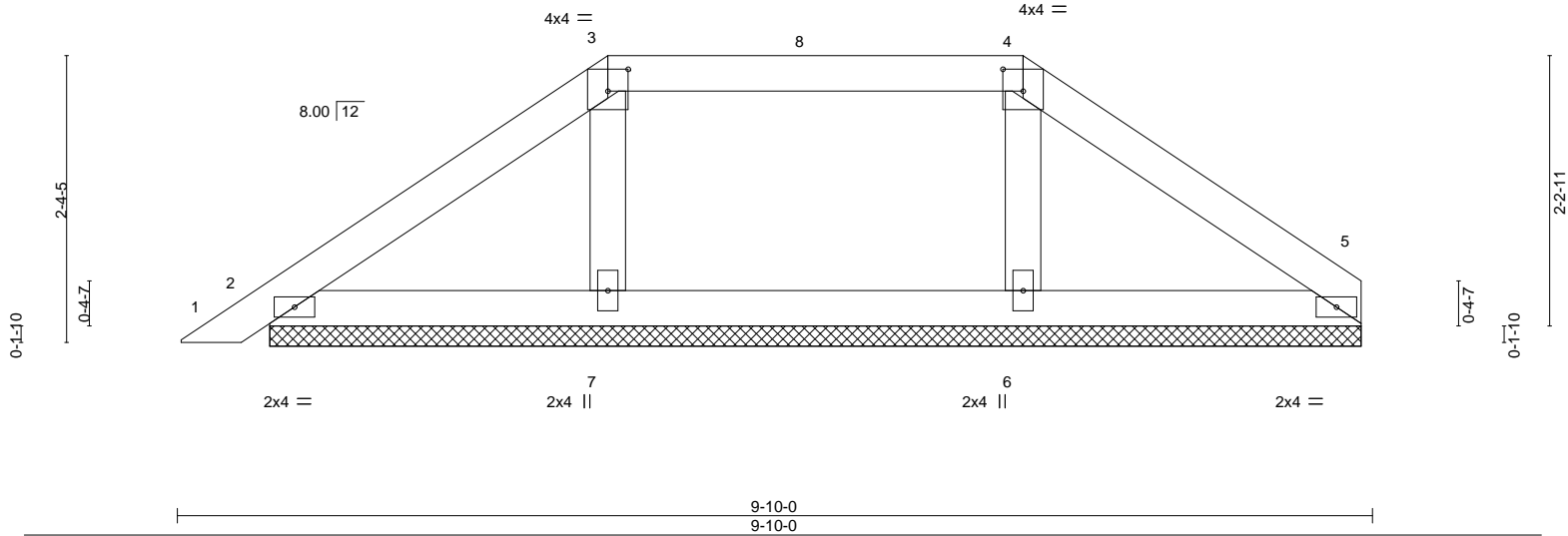


Plate Offsets (X,Y)-- [3:0-2-0,0-2-3], [4:0-2-0,0-2-3]

LOADING (psf)	SPACING-		CSL		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12		Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.08		Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03		Horz(CT)	0.00	5	n/a	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 35 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.

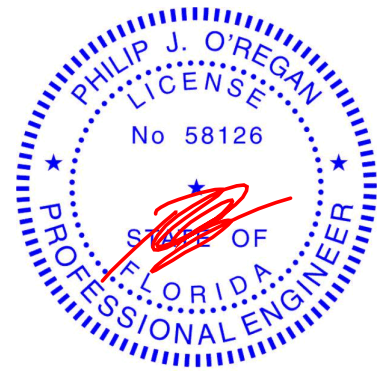
REACTIONS.

- All bearings 8-11-12.
(lb) - Max Horz 2=45(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 5, 2, 6, 7
Max Grav All reactions 250 lb or less at joint(s) 5, 2, 6, 7

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 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) 5, 2, 6, 7.
- 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:

September 7, 2021

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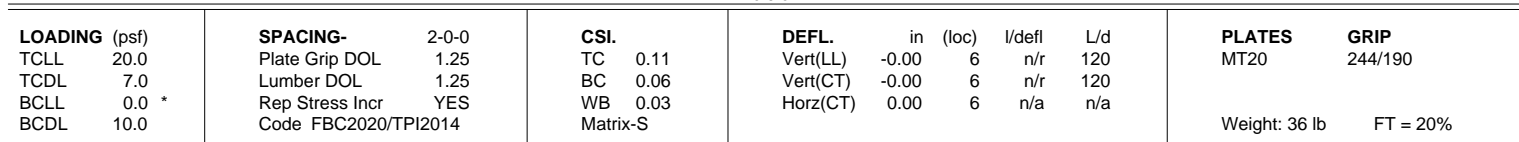
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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



6904 Parke East Blvd.
Tampa, FL 36610

Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:20 2021 Page 1
ID:uGyLaR0sTnMsfMNAqAoopzflqg-NaCKVvFZiUVu82UJpG0pSuLBiK8ty8OXznfygg?P
3-7-0 10-6-0
3-7-0 6-11-0



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, Except: 6-0-0 oc bracing: 8-9.

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; TCDD=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCp=-0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-5 to 3-3-5, Interior(1) 3-3-5 to 3-7-0, Exterior(2E) 3-7-0 to 5-2-0, Interior(1) 5-2-0 to 8-6-0, Exterior(2E) 8-6-0 to 10-2-11 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) Gable requires continuous bottom chord bearing.
- 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) 2, 6, 10, 9, 8.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

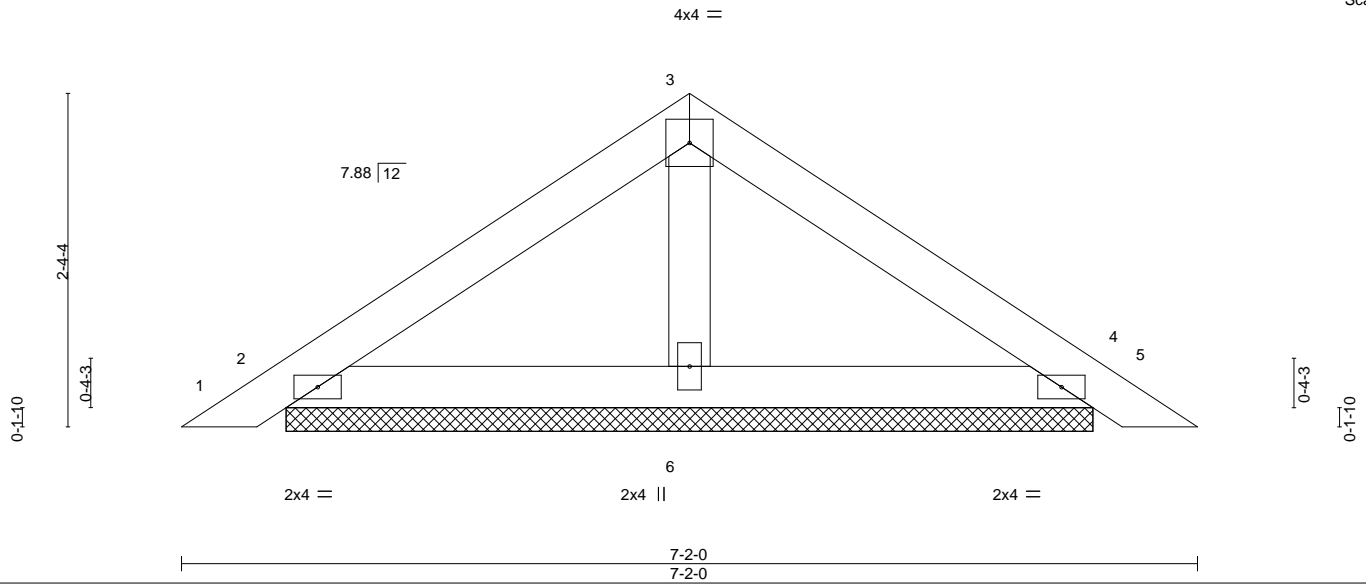
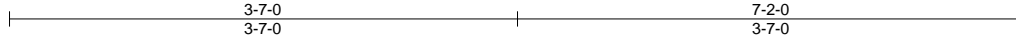


September 7, 2021

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	PB06	PIGGYBACK	1	1	T25257298

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:21 2021 Page 1
ID:uGyLaR0sTnMsfMntAqAoopzflqg-rmmijFFBTndImC3WsXnFLgRWq6ebtKMhdbIKI5ygg?O



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.09	Vert(CT)	0.00	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P						Weight: 24 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 10-0-0 oc bracing.

REACTIONS.

(size) 2=5-8-5, 4=5-8-5, 6=5-8-5
Max Horz 2=47(LC 11)
Max Uplift 2=-43(LC 12), 4=-49(LC 13), 6=-13(LC 12)
Max Grav 2=140(LC 1), 4=140(LC 1), 6=193(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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3) 0-3-3 to 3-7-0, Exterior(2R) 3-7-0 to 6-10-13 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, 4, 6.
- 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
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6904 Parke East Blvd. Tampa FL 33610
Date:

September 7, 2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T01	Common	2	1	T25257299

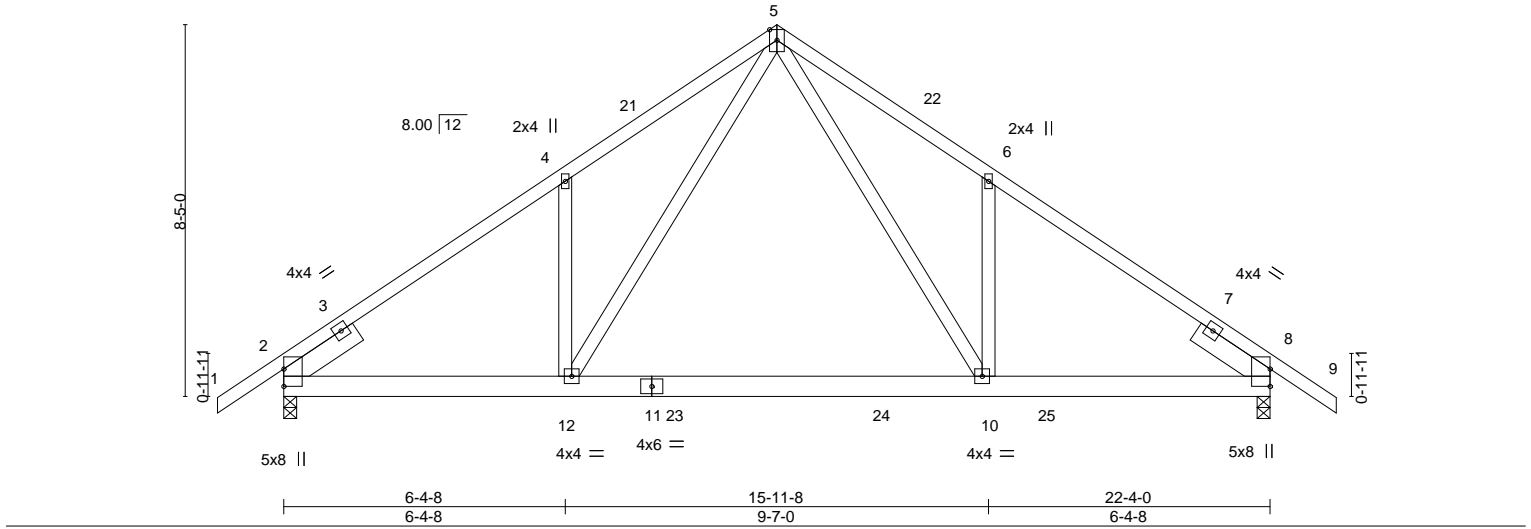
Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:22 2021 Page 1

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Scale = 1:52.2



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.80	Vert(LL) -0.23	10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.96	Vert(CT) -0.43	10-12	>625	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.54	Horz(CT) 0.04	8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 147 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 2=0-3-8, 8=0-3-8
 Max Horz 2=181(LC 11)
 Max Uplift 2=-261(LC 12), 8=-271(LC 13)
 Max Grav 2=1328(LC 19), 8=1366(LC 20)

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

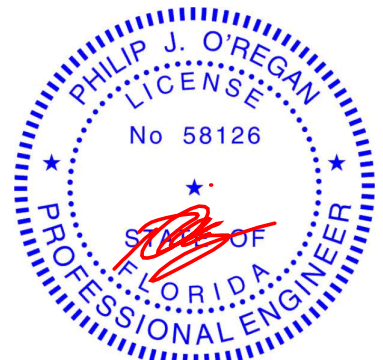
TOP CHORD 2-4=-1765/337, 4-5=-1776/479, 5-6=-1826/492, 6-8=-1815/350
 BOT CHORD 2-12=-282/1508, 10-12=-123/987, 8-10=-205/1453
 WEBS 5-10=-331/1096, 5-12=-309/1016

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-2-0, Exterior(2R) 11-2-0 to 14-2-0, Interior(1) 14-2-0 to 23-10-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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=261, 8=271.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-5=-54, 5-9=-54, 12-13=-20, 12-25=-80(F=-60), 17-25=-20



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 Date:

September 7, 2021

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T01G	Common Supported Gable	1	1	T25257300

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

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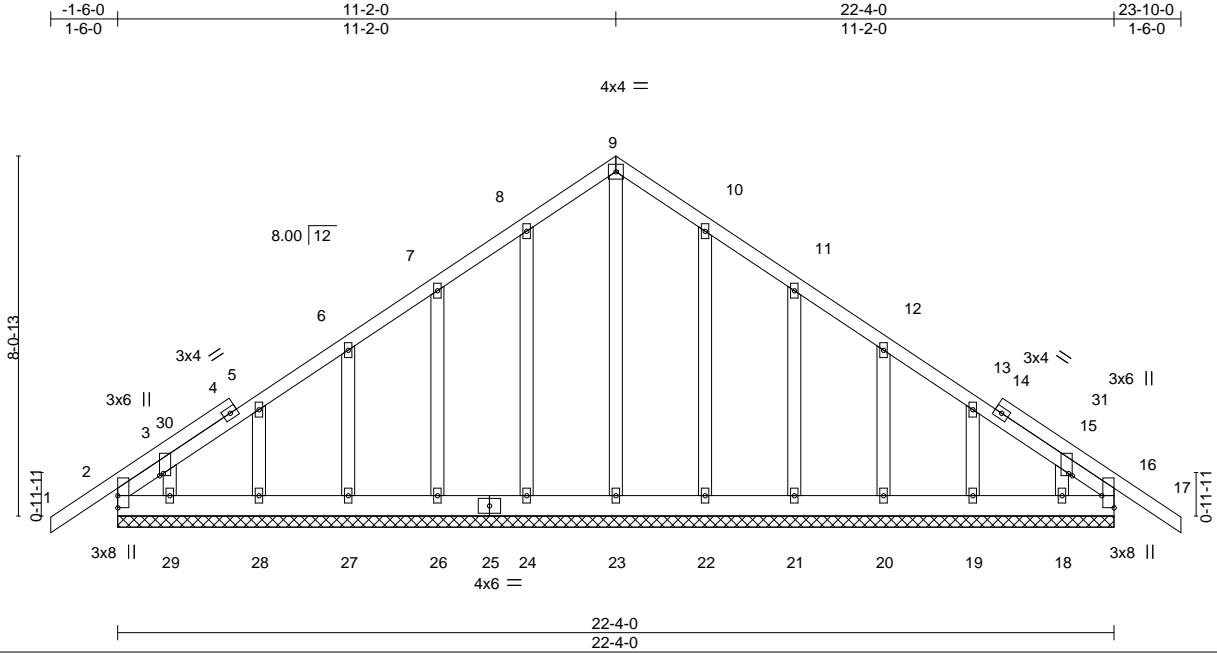


Plate Offsets (X,Y)-- [3:0-0-9,0-1-0], [15:0-0-9,0-1-0], [16:Edge,0-3-5]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL)	-0.01	17	n/r	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.03	Vert(CT)	-0.01	17	n/r		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.12	Horz(CT)	0.00	16	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 168 lb	FT = 20%

LUMBER-

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

BRACING-

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

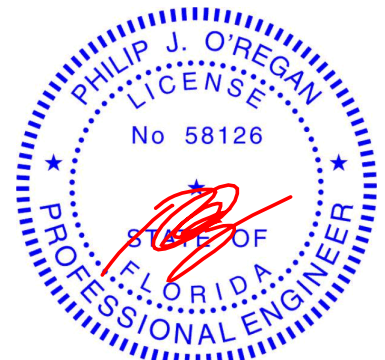
REACTIONS.

- All bearings 22'-4".
(lb) - Max Horz 2=173(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) 1'-6" to 1'-6", Exterior(2N) 1'-6" to 11'-2", Corner(3R) 11'-2" to 14'-2", Exterior(2N) 14'-2" to 23'-10" zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2'-0" 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" tall by 2'-0" wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18.



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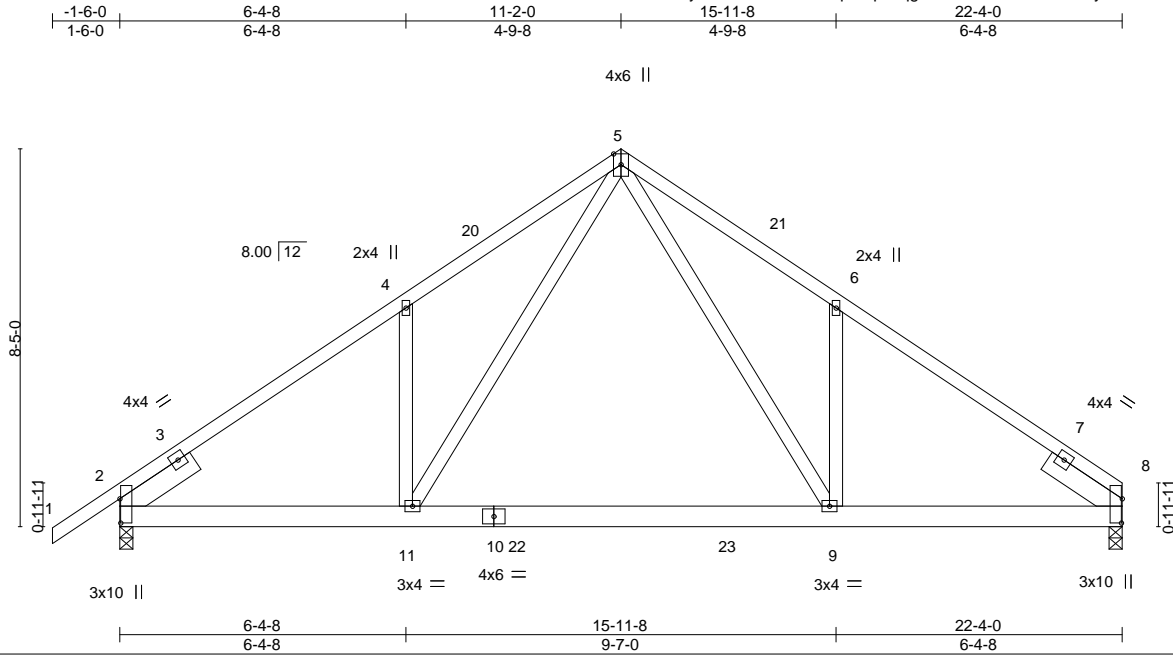


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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257301
2926649	T02	Common	3	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:24 2021 Page 1
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Scale = 1:51.3

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

LOADING (psf)	SPACING-	CSL.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.77	Vert(LL)	-0.22 9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.96	Vert(CT)	-0.42 9-11	>632	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.52	Horz(CT)	0.04 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 144 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 8=0-3-8, 2=0-3-8
Max Horz 2=173(LC 11)
Max Uplift 8=225(LC 13), 2=256(LC 12)
Max Grav 8=1232(LC 20), 2=1311(LC 19)

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

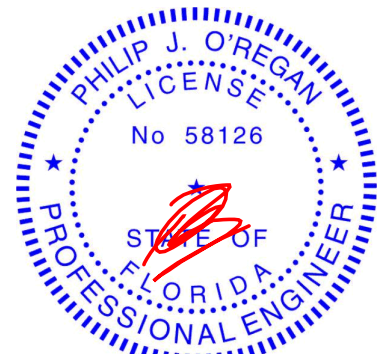
TOP CHORD 2-4=-1737/330, 4-5=-1749/472, 5-6=-1760/477, 6-8=-1746/334
BOT CHORD 2-11=-289/1475, 9-11=-130/951, 8-9=-203/1383
WEBS 5-9=-316/1035, 5-11=-311/1020

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-2-0, Exterior(2R) 11-2-0 to 14-2-0, Interior(1) 14-2-0 to 22-4-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=225, 2=256.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20



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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257302
2926649	T03	Roof Special	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:25 2021 Page 1
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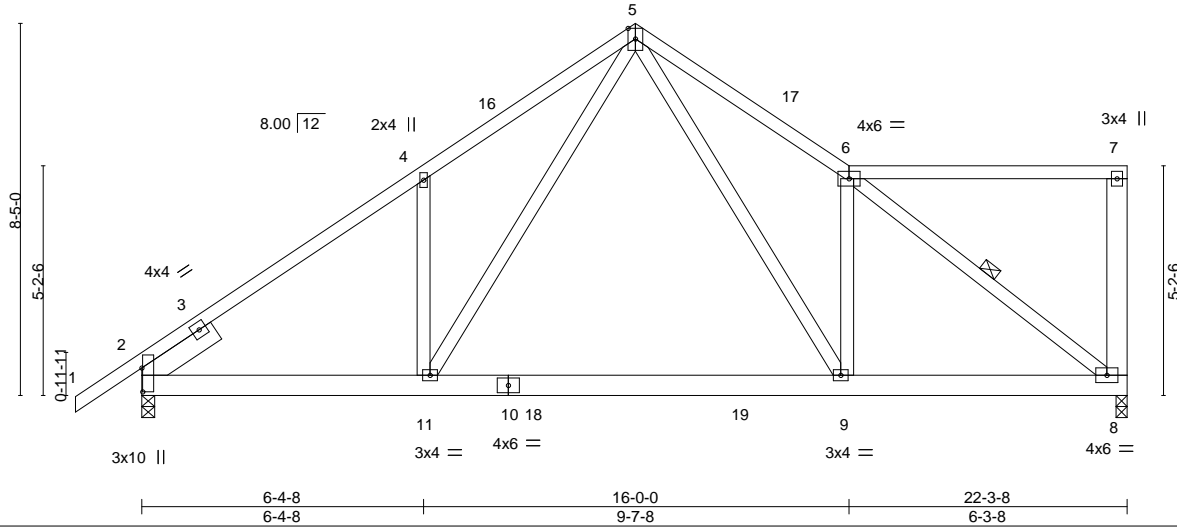


Plate Offsets (X,Y)-- [2:0-6-8,0-0-4]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.75	Vert(LL)	-0.21	9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.92	Vert(CT)	-0.39	9-11	>683	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.53	Horz(CT)	0.02	8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MS						Weight: 159 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-8

REACTIONS.

(size) 8=0-3-0, 2=0-3-8
Max Horz 2=217(LC 12)
Max Uplift 8=240(LC 13), 2=244(LC 12)
Max Grav 8=1179(LC 19), 2=1300(LC 19)

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

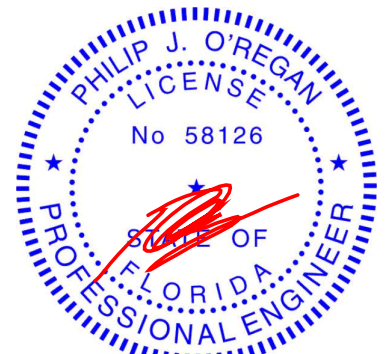
TOP CHORD 2-4=-1712/310, 4-5=-1727/453, 5-6=-1650/371
BOT CHORD 2-11=-354/1426, 9-11=-194/910, 8-9=-247/1341
WEBS 5-11=-312/1005, 5-9=-210/882, 6-8=-1699/307

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-2-0, Exterior(2R) 11-2-0 to 14-2-0, Interior(1) 14-2-0 to 22-0-12 zone; end vertical 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 100 lb uplift at joint(s) except (jt=lb) 8=240, 2=244.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-6=-54, 6-7=-54, 11-12=-20, 9-11=-80(F=60), 8-9=-20



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

September 7, 2021

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

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	LIPSCOMB EAGLE - LOT 17 TC
2926649	T04	Roof Special	1	1	T25257303

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:26 2021 Page 1

ID:uGyLaR0sTnMsfMNTAqAoopzflqg-CkabmzJJHKG1szzTf4MQ2j8BI79WYNo0nt05zJygg?J



4x6 ||

Scale = 1:52.1

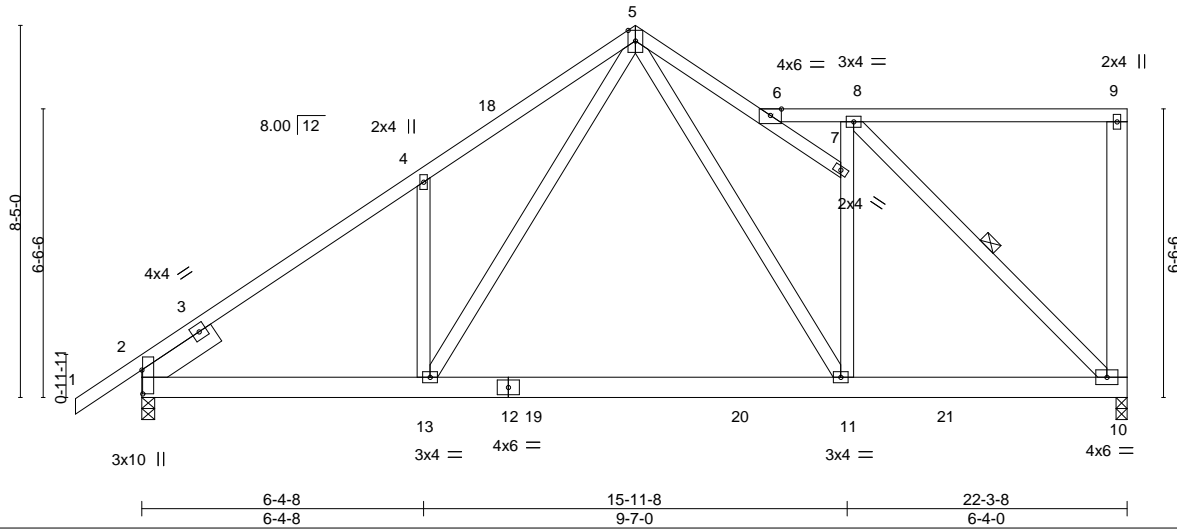


Plate Offsets (X,Y)-- [2:0-6-8,0-0-4]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.24 11-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.94	Vert(CT)	-0.44 11-13	>597	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.91	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-MS					Weight: 168 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
5-7: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
9-10: 2x6 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

REACTIONS.

(size) 10=0-3-0, 2=0-3-8
Max Horz 2=242(LC 12)
Max Uplift 10=-251(LC 13), 2=-238(LC 12)
Max Grav 10=1202(LC 19), 2=1310(LC 19)

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

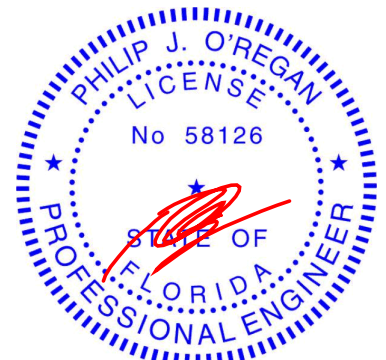
TOP CHORD 2-4=-1728/301, 4-5=-1722/440, 5-6=-1234/272, 6-7=-306/73, 6-8=-969/180
BOT CHORD 2-13=-371/1426, 11-13=-213/927, 10-11=-213/1102
WEBS 5-13=-308/971, 5-11=-106/512, 7-11=-37/400, 7-8=-94/665, 8-10=-1561/298

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-2-0, Exterior(2E) 11-2-0 to 13-11-8, Interior(1) 13-11-8 to 22-0-12 zone; end vertical 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 100 lb uplift at joint(s) except (jt=lb) 10=251, 2=238.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-6=-54, 6-9=-54, 13-14=-20, 11-13=-80(F=-60), 10-11=-20



Philip J. O'Regan PE No.58126
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6904 Parke East Blvd. Tampa FL 33610
Date: September 7, 2021

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

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



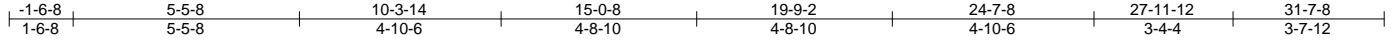
6904 Parke East Blvd.
Tampa, FL 36610

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257306
2926649	T07	Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:29 2021 Page 1
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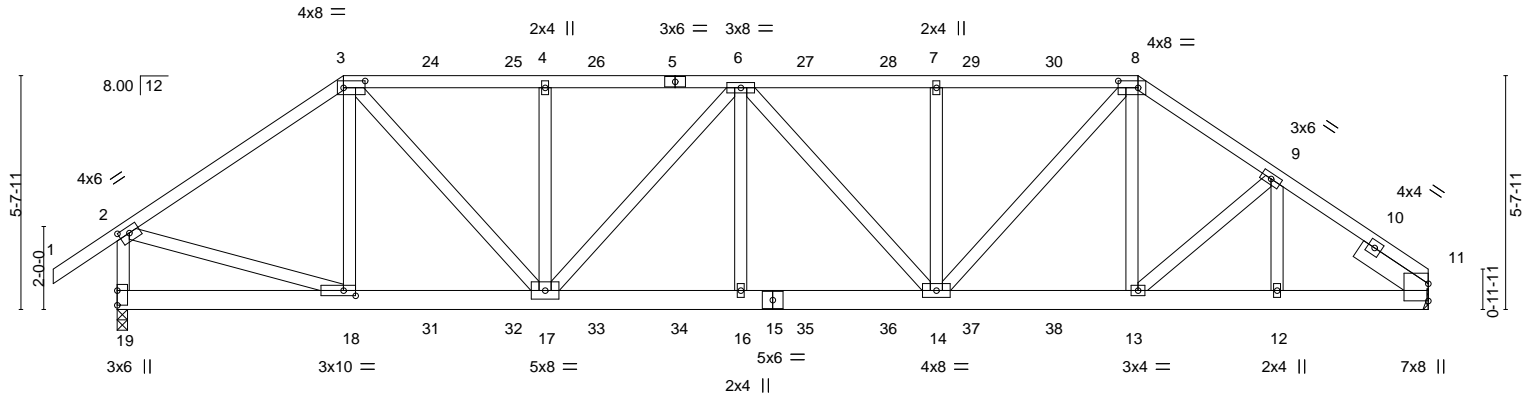


Plate Offsets (X,Y)--	[2:0-3-0,0-1-12], [3:0-6-4,0-2-0], [8:0-5-12,0-2-0], [18:0-3-8,0-1-8]
-----------------------	-----------------------------------------------------------------------

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL) 0.18	14-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.38	Vert(CT) -0.29	14-16	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.83	Horz(CT) 0.05	11	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MS					Weight: 228 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-13 oc bracing.

REACTIONS. (size) 11=Mechanical, 19=0-3-0
Max Horz 19=-134(LC 6)
Max Uplift 11=-917(LC 9), 19=-1022(LC 8)
Max Grav 11=2247(LC 1), 19=2414(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2706/1197, 3-4=-3382/1520, 4-6=-3382/1520, 6-7=-3631/1622, 7-8=-3631/1622,
8-9=-3261/1444, 9-11=-3014/1276, 2-19=-2360/1032
BOT CHORD 17-18=-999/2168, 16-17=-1674/3878, 14-16=-1674/3878, 13-14=-1094/2702,
12-13=-983/2424, 11-12=-983/2424
WEBS 3-17=-793/1815, 4-17=-345/186, 6-17=-758/337, 6-16=-190/525, 6-14=-405/212,
7-14=-337/179, 8-14=-646/1410, 8-13=-251/544, 9-13=-339/448, 9-12=-417/227,
2-18=-984/2191

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=917, 19=1022.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 71 lb down and 51 lb up at 5-5-8, 71 lb down and 49 lb up at 7-6-4, 71 lb down and 49 lb up at 9-6-4, 71 lb down and 49 lb up at 11-6-4, 71 lb down and 49 lb up at 13-6-4, 71 lb down and 41 lb up at 15-0-8, 71 lb down and 49 lb up at 16-6-12, 71 lb down and 49 lb up at 18-6-12, 71 lb down and 49 lb up at 20-6-12, and 71 lb down and 49 lb up at 22-6-12, and 71 lb down and 51 lb up at 24-7-8 on top chord, and 318 lb down and 276 lb up at 5-5-8, 143 lb down and 89 lb up at 7-6-4, 143 lb down and 89 lb up at 9-6-4, 143 lb down and 89 lb up at 11-6-4, 143 lb down and 89 lb up at 13-6-4, 143 lb down and 89 lb up at 15-0-8, 143 lb down and 89 lb up at 16-6-12, 143 lb down and 89 lb up at 18-6-12, 143 lb down and 89 lb up at 20-6-12, and 143 lb down and 89 lb up at 22-6-12, and 392 lb down and 269 lb up at 24-6-12 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).

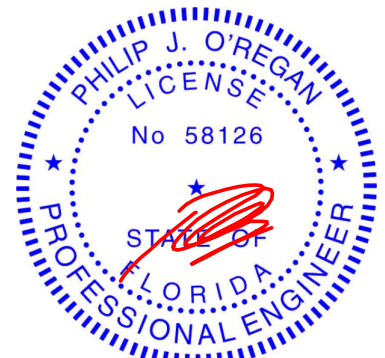
Continued on page 2

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

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

September 7, 2021



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257306
2926649	T07	Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:30 2021 Page 2
ID:uGyLaR0sTnMsfMNtAqAoopzflqg-4Vp6cKMqLYmTLaFEuwRMDZJuGkfDUCwciV_J64ygg?F

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54, 2-3=-54, 3-8=-54, 8-11=-54, 19-20=-20

Concentrated Loads (lb)

Vert: 3=-26(B) 5=-26(B) 8=-26(B) 18=-304(B) 6=-26(B) 16=-141(B) 13=-385(B) 24=-26(B) 25=-26(B) 26=-26(B) 27=-26(B) 28=-26(B) 29=-26(B) 30=-26(B) 31=-141(B) 32=-141(B) 33=-141(B) 34=-141(B) 35=-141(B) 36=-141(B) 37=-141(B) 38=-141(B)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257307
2926649	T08	Hip	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:31 2021 Page 1
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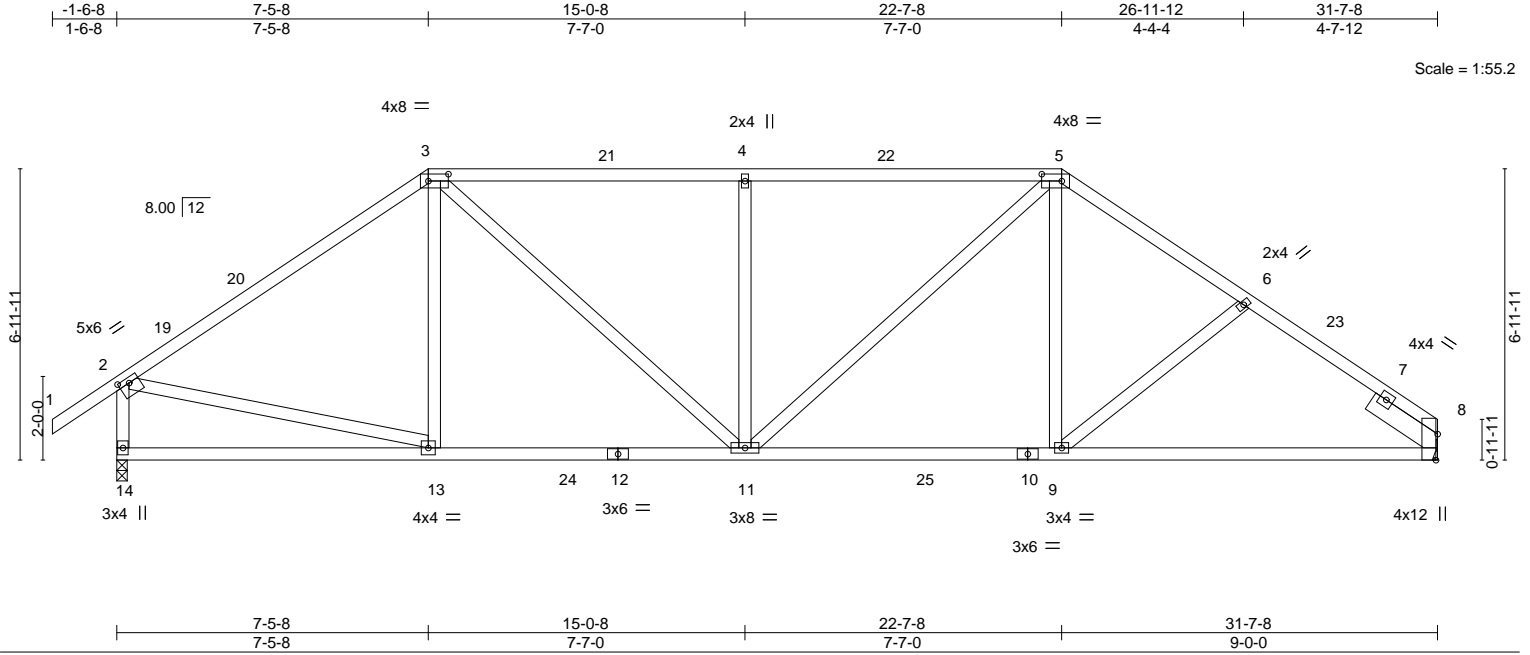


Plate Offsets (X,Y)--		[2:0-3-0-0-1-8], [3:0-5-12,0-2-0], [5:0-5-12,0-2-0], [8:0-7-8,Edge]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	2-0-0	TC 0.69	in (loc) l/defl L/d
TCDL 7.0	Plate Grip DOL 1.25	BC 0.90	Vert(LL) -0.15 9-11 >999 240
BCLL 0.0 *	Lumber DOL 1.25	WB 0.41	Vert(CT) -0.24 9-11 >999 180
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.07 8 n/a n/a
	Code FBC2020/TPI2014		
		PLATES	GRIP
		MT20	244/190
		Weight: 185 lb	FT = 20%

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

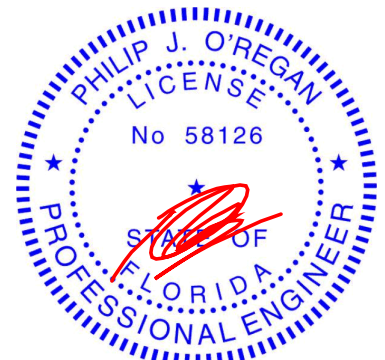
BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=Mechanical, 14=0-3-0
Max Horz 14=-165(LC 10)
Max Uplift 8=-238(LC 13), 14=-262(LC 12)
Max Grav 8=1286(LC 2), 14=1370(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1469/267, 3-4=-1590/323, 4-5=-1590/323, 5-6=-1582/331, 6-8=-1687/349,
2-14=-1255/280
BOT CHORD 13-14=-168/263, 11-13=-221/1141, 9-11=-142/1298, 8-9=-218/1328
WEBS 3-11=-207/644, 4-11=-473/226, 5-11=-188/449, 5-9=-27/395, 2-13=-190/1043

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 7-5-8, Exterior(2R) 7-5-8 to 11-8-7, Interior(1) 11-8-7 to 22-7-8, Exterior(2R) 22-7-8 to 27-1-3, Interior(1) 27-1-3 to 31-7-8 zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=238, 14=262.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
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Date:

September 7, 2021

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

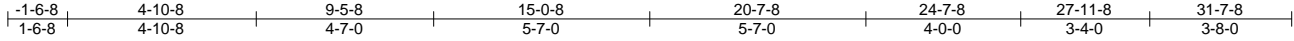


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Tampa, FL 33610

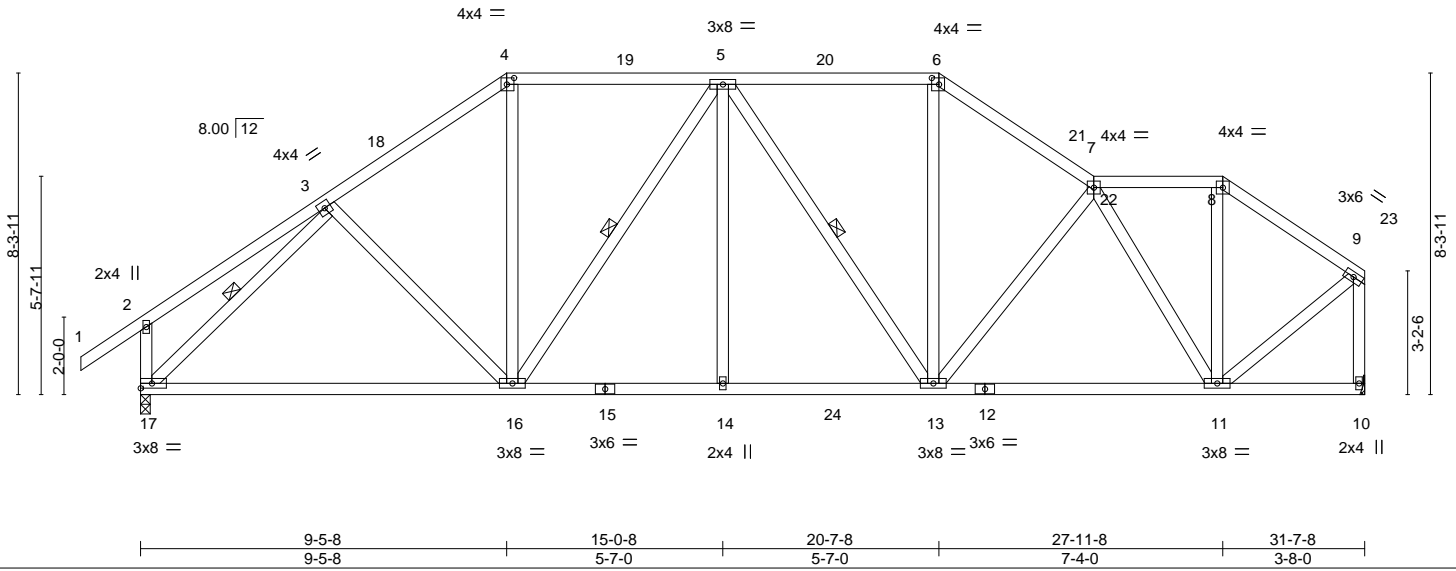
Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257308
2926649	T09	Roof Special	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:32 2021 Page 1
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Scale = 1:59.5



Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T11	Roof Special	1	1	T25257310

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:34 2021 Page 1

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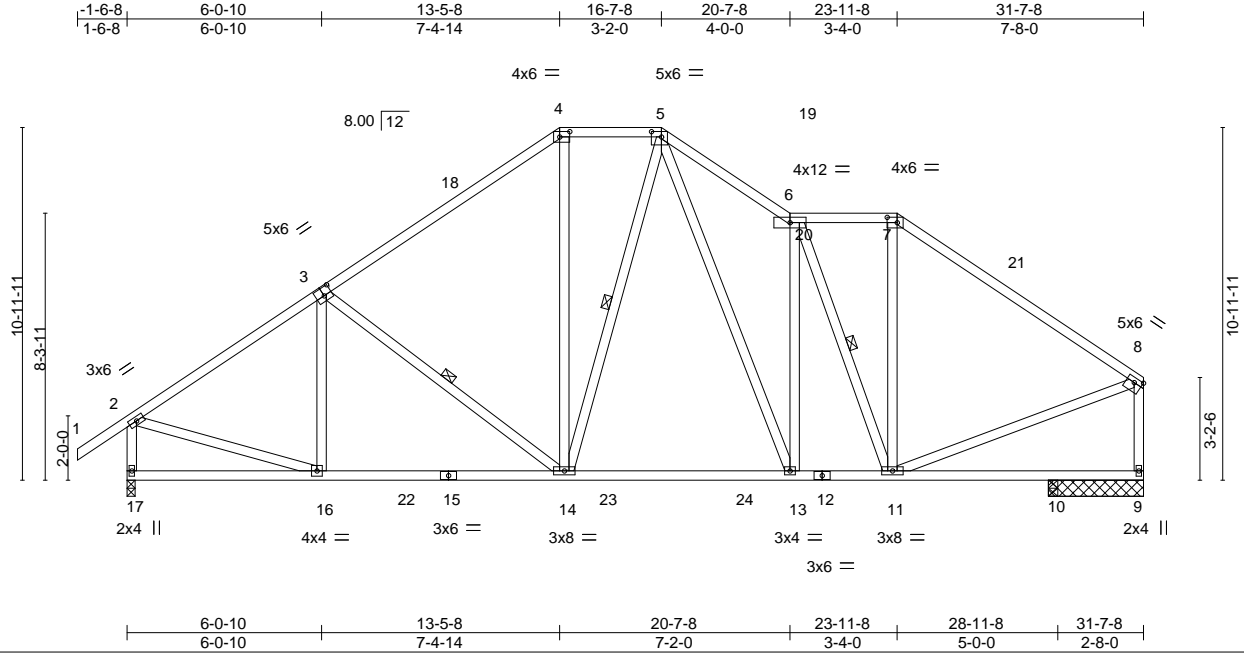


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-3-12,0-2-0], [5:0-3-12,0-2-0], [7:0-3-12,0-2-0], [8:Edge,0-1-12]

LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.88	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.67	Vert(LL) -0.13 13-14 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.64	Vert(CT) -0.21 13-14 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.03 9 n/a n/a		
	Code FBC2020/TPI2014			Weight: 237 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 5-14, 6-11

REACTIONS.

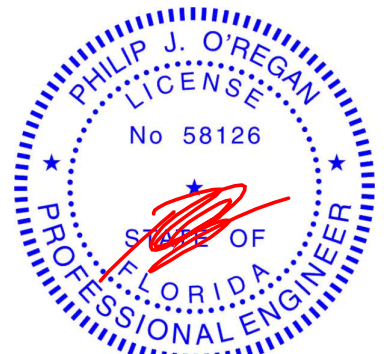
(size) 17=0-3-0, 9=2-11-8, 10=0-3-8
Max Horz 17=235(LC 9)
Max Uplift 17=232(LC 12), 9=239(LC 13)
Max Grav 17=1377(LC 19), 9=1104(LC 2), 10=211(LC 18)

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

TOP CHORD 2-3=-1428/269, 3-4=-1230/304, 4-5=-945/307, 5-6=-1400/415, 6-7=-899/269,
7-8=-1167/261, 2-17=-1291/272, 8-9=-1095/244
BOT CHORD 14-16=-280/1256, 13-14=-106/943, 11-13=-167/1130
WEBS 3-14=-341/202, 4-14=-82/420, 5-13=-254/609, 6-13=-377/267, 6-11=-643/87,
7-11=-30/361, 2-16=-133/1140, 8-11=-117/917

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 13-5-8, Exterior(2E) 13-5-8 to 16-7-8, Exterior(2R) 16-7-8 to 19-7-8, Interior(1) 19-7-8 to 23-11-8, Exterior(2R) 23-11-8 to 26-11-8, Interior(1) 26-11-8 to 31-5-12 zone; end vertical 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 100 lb uplift at joint(s) except (jt=lb) 17=232, 9=239.



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

September 7, 2021

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

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	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257311
2926649	T12	Hip	1	1	Job Reference (optional)	

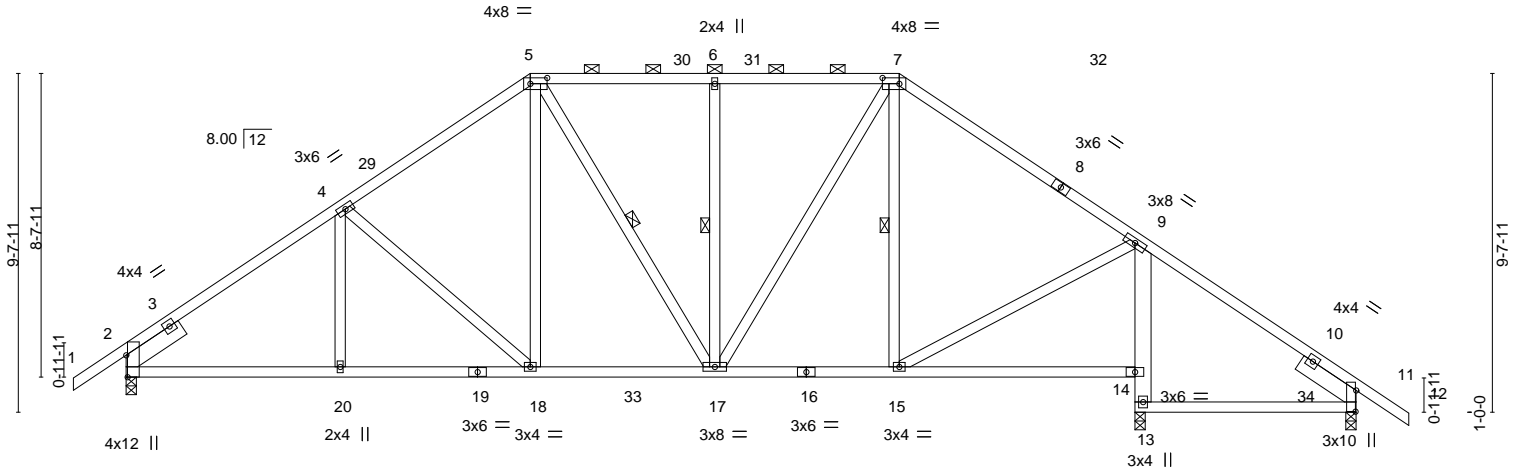
Builders FirstSource (Lake City, FL), Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:36 2021 Page 1

ID:uGyLaR0sTnMsfMNTAqAoopzflqg-vfANsNRbxOWc3ViOFAYmSqZvt9aFu1wU4RRdKkygg?9

1-6-0	6-1-1	11-6-0	16-9-0	22-0-0	28-8-8	35-0-0	36-6-0
1-6-0	6-1-1	5-4-14	5-3-0	5-3-0	6-8-8	6-3-8	1-6-0

Scale = 1:65.6



6-1-1	11-6-0	16-9-0	22-0-0	28-8-8	28-10-4	35-0-0
6-1-1	5-4-14	5-3-0	5-3-0	6-8-8	0-1-12	6-1-12

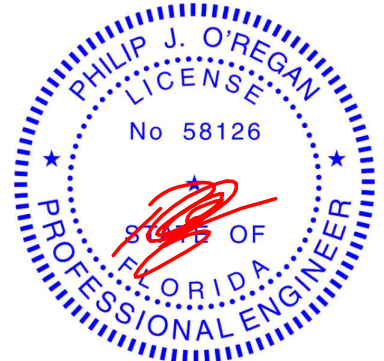
Plate Offsets (X,Y)-- [2:0-7-8,Edge], [5:0-5-12,0-2-0], [7:0-5-12,0-2-0], [11:0-7-4,0-0-4]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl
TCLL 20.0	Plate Grip DOL	1.25	TC 0.77	Vert(LL)	-0.09 18-20	>999
TCDL 7.0	Lumber DOL	1.25	BC 0.85	Vert(CT)	-0.17 18-20	>999
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.04 13	n/a
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS			
				PLATES	GRIP	
				MT20	244/190	
				Weight: 229 lb		FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-8-10 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (5-7-10 max.): 5-7.
9-13: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8	5-17, 6-17, 7-15

REACTIONS. (size) 13=0-3-8, 11=0-3-8, 2=0-3-8
Max Horz 2=198(LC 11)
Max Uplift 13=-160(LC 13), 11=-160(LC 13), 2=-258(LC 12)
Max Grav 13=1426(LC 2), 11=326(LC 24), 2=1242(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1534/313, 4-5=-1261/309, 5-6=-1030/277, 6-7=-1030/277, 7-9=-1042/270
BOT CHORD 2-20=-255/1275, 18-20=-255/1275, 17-18=-176/1014, 15-17=-90/783, 13-14=-1312/167,
9-14=-1197/187
WEBS 4-18=-354/175, 5-18=-80/470, 6-17=-317/157, 7-17=-157/509, 9-15=-122/801

- 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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-6-0, Exterior(2R) 11-6-0 to 15-8-15, Interior(1) 15-8-15 to 22-0-0, Exterior(2R) 22-0-0 to 26-2-15, Interior(1) 26-2-15 to 36-6-0 zone; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=160, 11=160, 2=258.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 7, 2021

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Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257312
2926649	T13	PIGGYBACK BASE	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:37 2021 Page 1

ID:uGyLaR0sTnMsfMNtAqAoopzflqg-Nrk4jSDiieThfHaou3??2650YxkdU3eJ5ABsAygq?8

1-0-0	6-1-2	11-6-0	16-9-0	22-0-0	28-8-8	35-0-0	36-6-0
1-0-0	6-1-2	5-4-14	5-3-0	5-3-0	6-8-8	6-3-8	1-6-0

Scale = 1:65.3

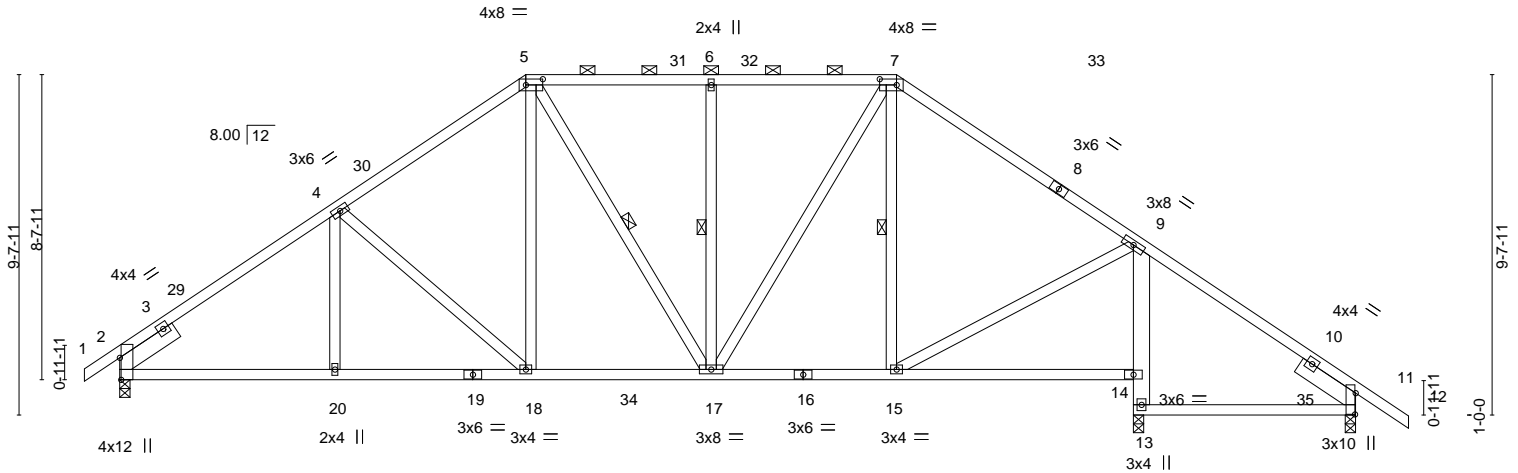


Plate Offsets (X,Y)--	[2:0-7-8,Edge], [5:0-5-12,0-2-0], [7:0-5-12,0-2-0], [11:0-7-4,0-0-4]
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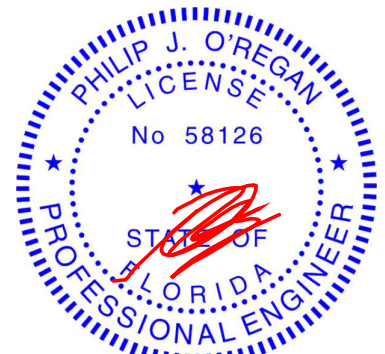
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.75	Vert(LL)	-0.09 18-20	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.83	Vert(CT)	-0.16 18-20	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.36	Horz(CT)	0.04 13	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 228 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-10-13 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (5-7-8 max.): 5-7.
9-13: 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-17, 6-17, 7-15
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8	

REACTIONS. (size) 2=0-3-8, 13=0-3-8, 11=0-3-8
Max Horz 2=193(LC 11)
Max Uplift 2=247(LC 12), 13=159(LC 13), 11=160(LC 13)
Max Grav 2=1220(LC 2), 13=1425(LC 2), 11=326(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1541/317, 4-5=-1277/310, 5-6=-1032/278, 6-7=-1032/278, 7-9=-1044/271
BOT CHORD 2-20=-258/1282, 18-20=-258/1282, 17-18=-176/1016, 15-17=-91/784, 13-14=-1311/167,
9-14=-1196/187
WEBS 4-18=-361/178, 5-18=-81/473, 6-17=-317/157, 7-17=-157/510, 9-15=-122/800

- 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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 11-6-0, Exterior(2R) 11-6-0 to 15-8-15, Interior(1) 15-8-15 to 22-0-0, Exterior(2R) 22-0-0 to 26-2-15, Interior(1) 26-2-15 to 36-6-0 zone; end vertical left and right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=247, 13=159, 11=160.
 - 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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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257313
2926649	T14	Piggyback Base	7	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:38 2021 Page 1

ID:uGyLaR0sTnMsfMNIqAoopzflgg-r2I8H3TrT0nKlpsnMbaEXFeG6yHCMxDnXkwkOcygg?7

6-1-2	11-6-0	16-9-0	22-0-0	28-8-8	35-0-0	36-6-0
6-1-2	5-4-15	5-3-0	5-3-0	6-8-8	6-3-8	1-6-0

Scale: 3/16"=1'

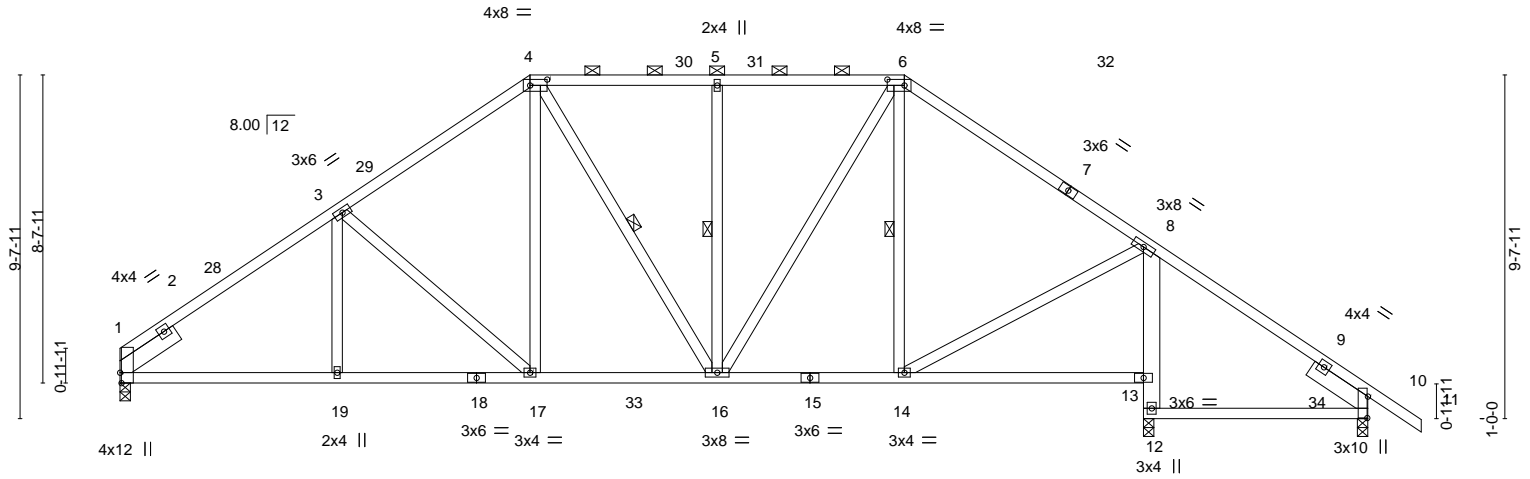


Plate Offsets (X,Y)--	[1:0-3-8,Edge], [4:0-5-12,0-2-0], [6:0-5-12,0-2-0], [10:0-7-4,0-0-4]
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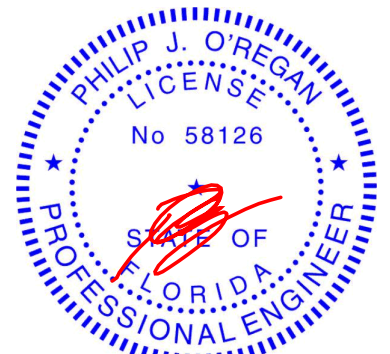
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.72	Vert(LL)	-0.09 17-19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.82	Vert(CT)	-0.16 17-19	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.37	Horz(CT)	0.05 12	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MS					Weight: 226 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-3 oc purlins, except
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (5-7-7 max.): 4-6.
8-12: 2x6 SP No.2	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	1 Row at midpt
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8	4-16, 5-16, 6-14

REACTIONS. (size) 1=0-3-8, 12=0-3-8, 10=0-3-8
Max Horz 1=198(LC 8)
Max Uplift 1=227(LC 12), 12=159(LC 13), 10=160(LC 13)
Max Grav 1=1175(LC 2), 12=1424(LC 2), 10=327(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=1546/318, 3-4=1280/311, 4-5=1033/278, 5-6=1033/278, 6-8=1046/271
BOT CHORD 1-19=259/1288, 17-19=259/1288, 16-17=176/1018, 14-16=91/786, 12-13=1310/167,
8-13=1195/187
WEBS 3-17=366/179, 4-17=82/476, 5-16=317/157, 6-16=157/510, 8-14=122/800

- 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=18ft; 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 11-6-0, Exterior(2R) 11-6-0 to 15-8-15, Interior(1) 15-8-15 to 22-0-0, Exterior(2R) 22-0-0 to 26-2-15, Interior(1) 26-2-15 to 36-6-0 zone; end vertical right exposed; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=227, 12=159, 10=160.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

September 7, 2021

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ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257314
2926649	T15	Piggyback Base	3	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:39 2021 Page 1

ID:uGyLaR0sTnMsfMnTAqAoopzflqg-JEsWUPTTDJvBwzRzwJ5T4TBWymhn5NIwmOfHw3ygg76

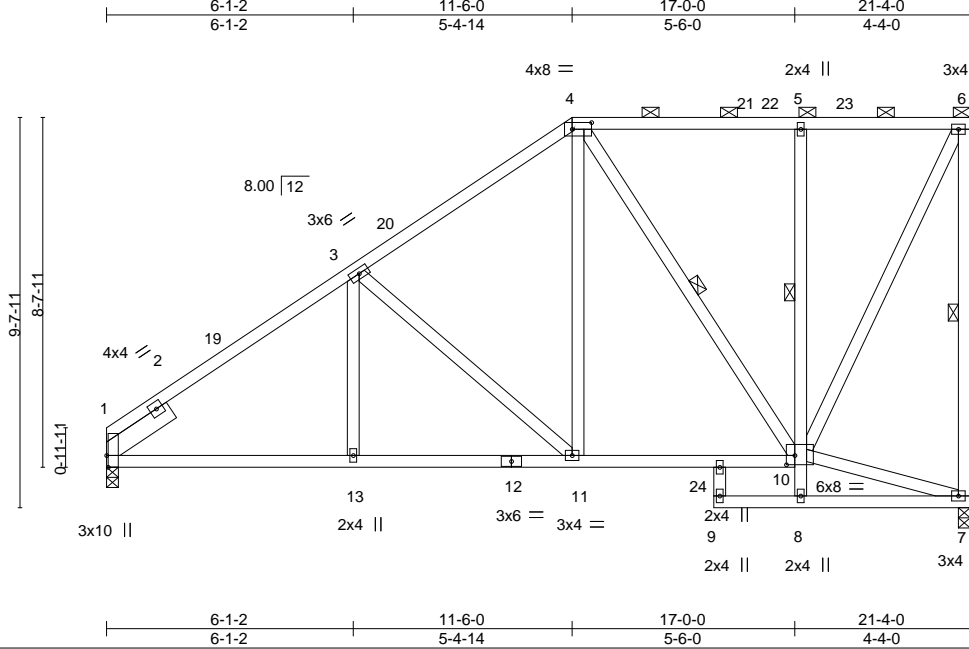


Plate Offsets (X,Y)-- [1:0-3-8,Edge], [4:0-5-12,0-2-0], [10:0-2-8,0-2-12]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.40	Vert(LL)	-0.06 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.54	Vert(CT)	-0.10 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.41	Horz(CT)	0.03 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 165 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 5-8: 2x4 SP No.3
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 1-11-8

REACTIONS.

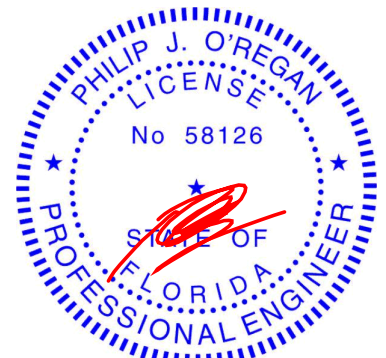
(size) 1=0-3-8, 7=0-3-8
 Max Horz 1=257(LC 12)
 Max Uplift 1=136(LC 12), 7=184(LC 12)
 Max Grav 1=893(LC 19), 7=921(LC 2)

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

TOP CHORD 1-3=1083/177, 3-4=781/160, 4-5=398/89, 5-6=393/87, 6-7=874/190
 BOT CHORD 1-13=325/900, 11-13=325/900, 10-11=177/600, 5-10=311/150
 WEBS 3-11=412/197, 4-11=88/517, 4-10=410/158, 6-10=200/897

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=18ft; 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 11-6-0, Exterior(2R) 11-6-0 to 15-8-15, Interior(1) 15-8-15 to 21-2-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=136, 7=184.
- 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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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

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6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T16	Half Hip Girder	1	2	T25257315

Builders FirstSource (Lake City, FL),

Lake City, FL - 32055,

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:41 2021 Page 1

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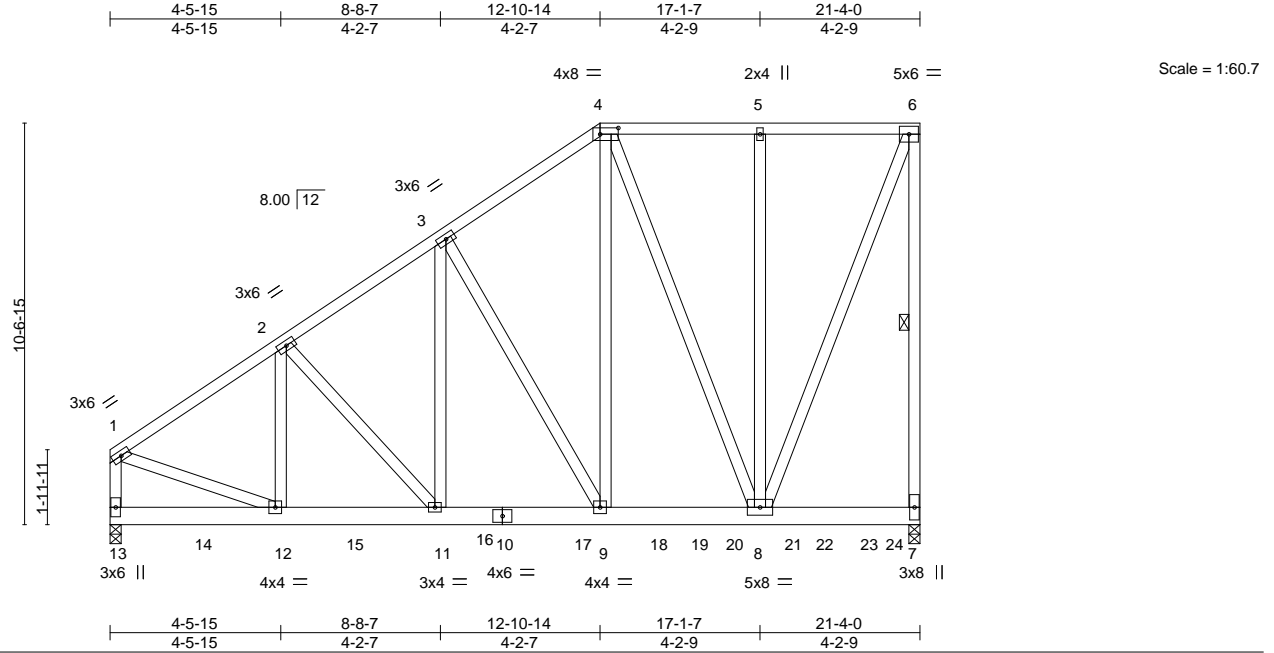


Plate Offsets (X,Y)-- [4:0-5-12,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.06	9-11	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.11	9-11	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.70	Horz(CT)	0.02	7	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-MS					Weight: 414 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 7=0-3-8, 13=0-3-8
Max Horz 13=285(LC 8)
Max Uplift 7=1349(LC 8), 13=933(LC 8)
Max Grav 7=3922(LC 1), 13=3634(LC 1)

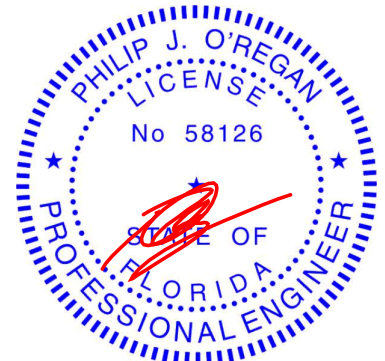
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-3275/907, 2-3=-2992/946, 3-4=-2146/741, 4-5=-1209/430, 5-6=-1209/430,
6-7=-3110/1090, 1-13=-2879/803
BOT CHORD 12-13=-319/179, 11-12=-986/2671, 9-11=-920/2437, 8-9=-663/1758
WEBS 2-12=-70/279, 2-11=-345/98, 3-11=-458/1436, 3-9=-1400/530, 4-9=-869/2275,
4-8=-1439/610, 6-8=-1154/3241, 1-12=-715/2744

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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, 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) 7=1349, 13=933.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 505 lb down and 105 lb up at 0-1-12, 497 lb down and 113 lb up at 2-4-12, 497 lb down and 113 lb up at 4-4-12, 497 lb down and 154 lb up at 6-4-12, 497 lb down and 184 lb up at 8-4-12, 497 lb down and 222 lb up at 10-4-12, 497 lb down and 274 lb up at 12-4-12, 502 lb down and 188 lb up at 14-4-12, 502 lb down and 188 lb up at 16-4-12, 502 lb down and 188 lb up at 17-11-4, and 502 lb down and 188 lb up at 19-11-4, and 506 lb down and 184 lb up at 20-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2



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

September 7, 2021

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/TP1 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	LIPSCOMB EAGLE - LOT 17 TC	T25257315
2926649	T16	Half Hip Girder	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:41 2021 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-6=-54, 7-13=-20

Concentrated Loads (lb)

Vert: 13=-505(F) 10=-497(F) 12=-497(F) 14=-497(F) 15=-497(F) 16=-497(F) 17=-497(F) 18=-502(F) 20=-502(F) 21=-502(F) 23=-502(F) 24=-506(F)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257316
2926649	T17	Hip Girder	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:42 2021 Page 1

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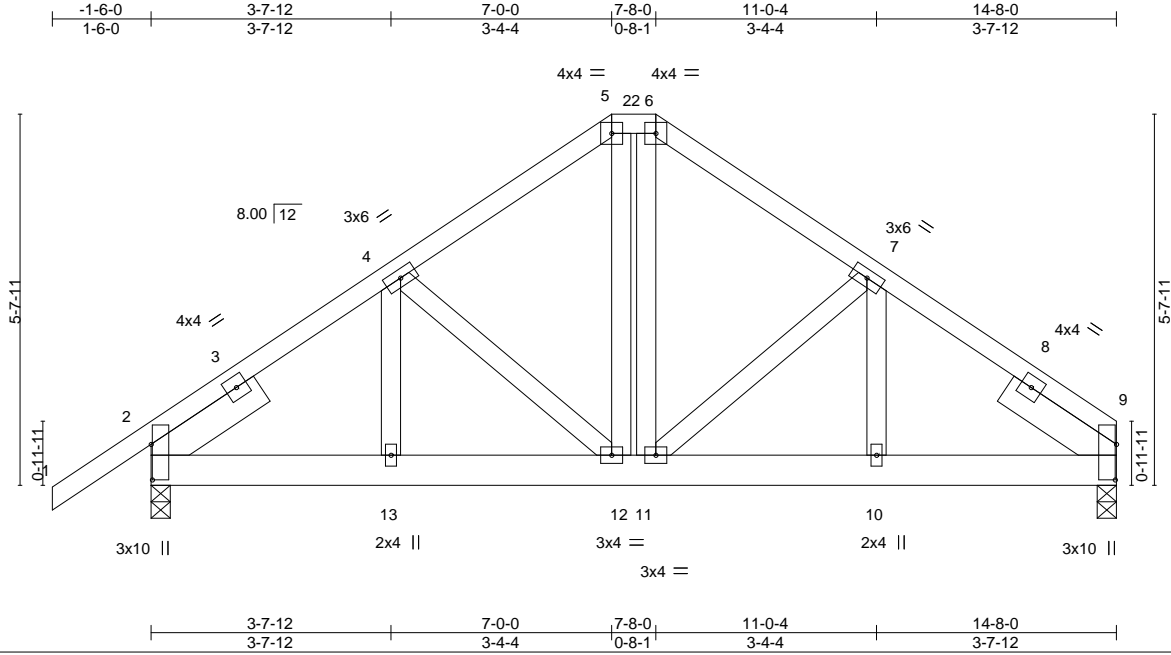


Plate Offsets (X,Y)-- [2:0-6-8,0-0-4], [9:0-6-8,0-0-4]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.27	Vert(LL) 0.03	12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.40	Vert(CT) -0.05	12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.19	Horz(CT) 0.01	9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 108 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 9=0-3-8, 2=0-3-8
 Max Horz 2=115(LC 26)
 Max Uplift 9=364(LC 9), 2=396(LC 8)
 Max Grav 9=963(LC 1), 2=1051(LC 1)

FORCES.

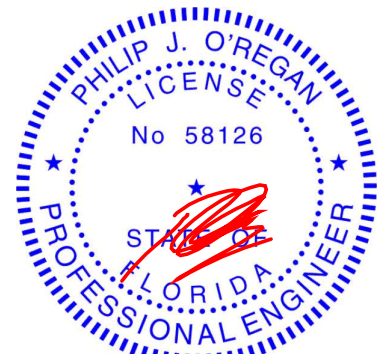
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=1209/500, 4-5=1177/561, 5-6=961/490, 6-7=1178/560, 7-9=1225/508
 BOT CHORD 2-13=422/973, 12-13=422/973, 11-12=399/961, 10-11=363/975, 9-10=363/975
 WEBS 5-12=263/506, 6-11=263/507

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical 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 100 lb uplift at joint(s) except (jt=lb) 9=364, 2=396.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 66 lb down and 54 lb up at 7-0-0, and 66 lb down and 54 lb up at 7-8-0 on top chord, and 392 lb down and 269 lb up at 7-0-0, and 410 lb down and 275 lb up at 7-7-4 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: 1-5=-54, 5-6=-54, 6-9=-54, 14-18=-20
 Concentrated Loads (lb)
 Vert: 5=-26(B) 6=-26(B) 12=-385(B) 11=-410(B)



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 MiTek USA, Inc. FL Cert 6634
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 Date:

September 7, 2021

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

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6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257317
2926649	T18	Common	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:43 2021 Page 1
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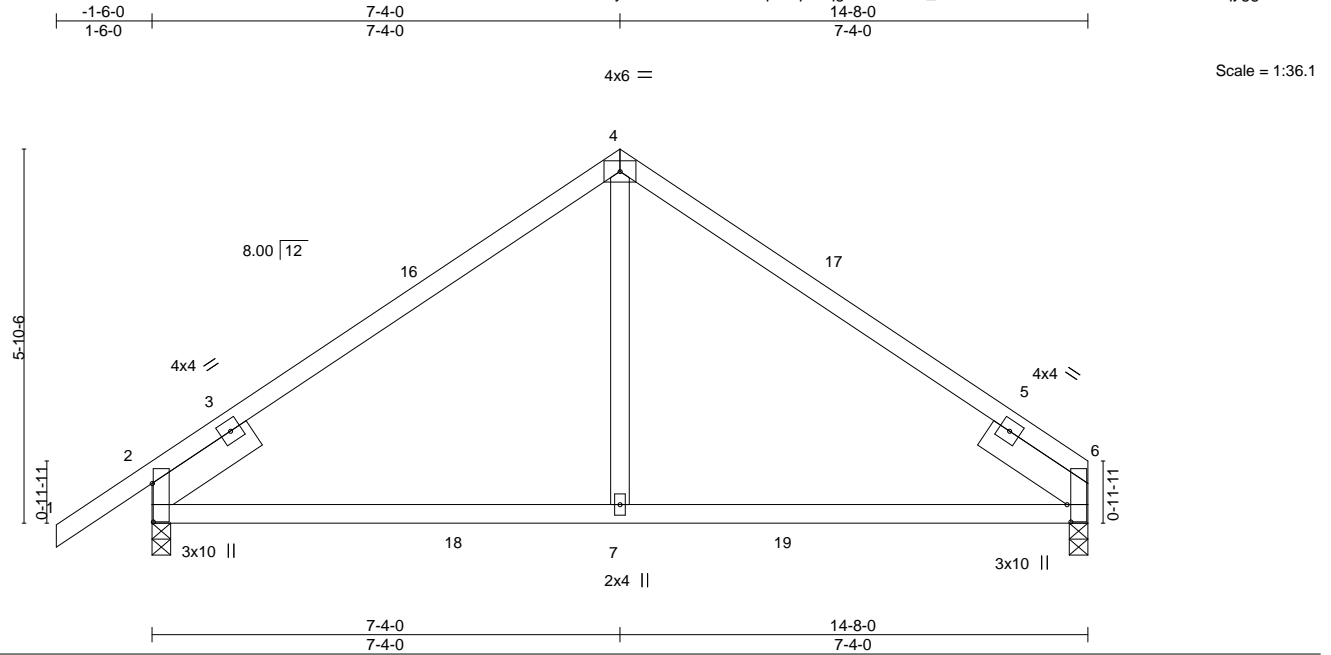


Plate Offsets (X,Y)-- [2:0-7-4,0-0-4], [6:0-3-4,0-0-12]

LOADING (psf)	SPACING-	CSL.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.55	Vert(LL)	-0.09 7-10	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.55	Vert(CT)	-0.14 7-10	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT)	0.04 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 68 lb	FT = 20%

LUMBER-

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

REACTIONS.

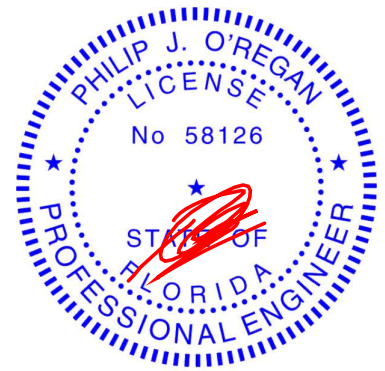
(size) 6=0-3-8, 2=0-3-8
Max Horz 2=119(LC 11)
Max Uplift 6=98(LC 13), 2=130(LC 12)
Max Grav 6=636(LC 20), 2=716(LC 19)

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

TOP CHORD 2-4=-678/212, 4-6=-606/162
BOT CHORD 2-7=-53/523, 6-7=-53/523
WEBS 4-7=-4/393

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-4-0, Exterior(2R) 7-4-0 to 10-4-0, Interior(1) 10-4-0 to 14-8-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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) 6 except (jt=lb) 2=130.



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Date:

September 7, 2021

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

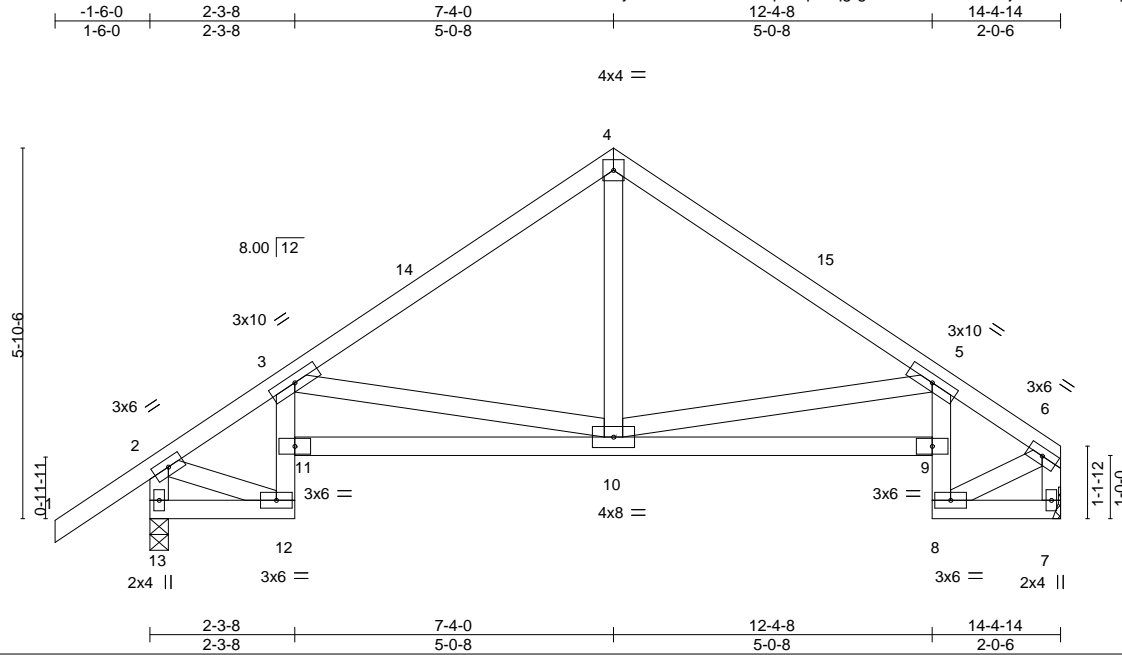


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T19	Roof Special	3	1	T25257318

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

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Scale = 1:36.4

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.25	Vert(LL)	-0.04 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.67	Vert(CT)	-0.09 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.26	Horz(CT)	0.11 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 84 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

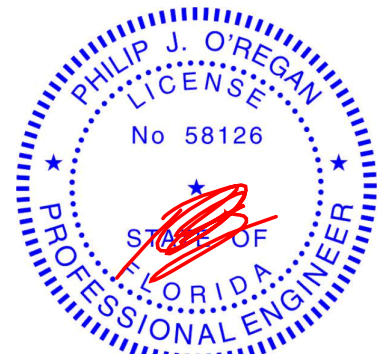
(size) 13=0-3-8, 7=Mechanical
Max Horz 13=143(LC 9)
Max Uplift 13=-129(LC 12), 7=-93(LC 13)
Max Grav 13=616(LC 1), 7=517(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-559/148, 3-4=-598/160, 4-5=-599/166, 5-6=-522/137, 2-13=-640/199, 6-7=-550/139
BOT CHORD 10-11=-268/909, 9-10=-230/799
WEBS 3-10=-489/243, 4-10=-53/359, 5-10=-403/215, 2-12=-109/449, 6-8=-115/426

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-4-0, Exterior(2R) 7-4-0 to 10-4-0, Interior(1) 10-4-0 to 14-3-2 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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) 7 except (jt=lb) 13=129.



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Date:

September 7, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257319
2926649	T20	Half Hip	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:45 2021 Page 1

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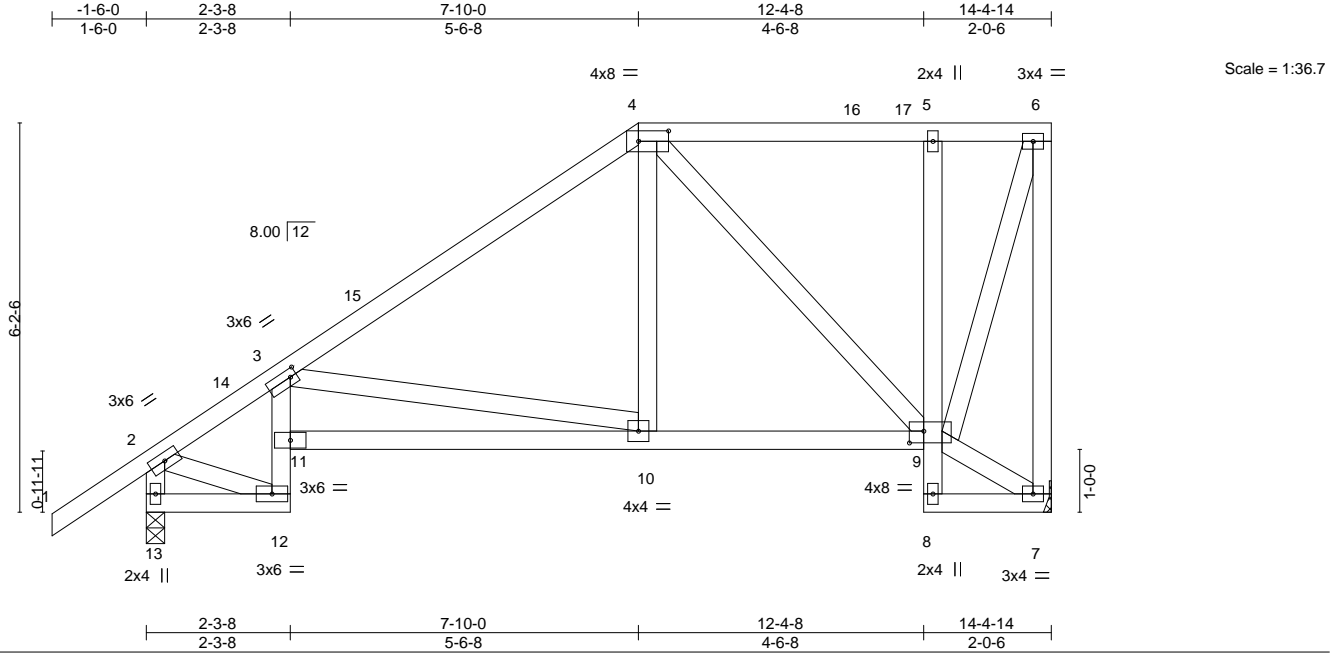


Plate Offsets (X,Y)-- [3:0-1-4,0-1-8], [4:0-5-12,0-2-0], [9:0-2-12,0-2-4]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.29	Vert(LL)	-0.05 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.70	Vert(CT)	-0.11 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.36	Horz(CT)	0.07 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 105 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-8: 2x4 SP No.3
WEBS 2x4 SP No.3

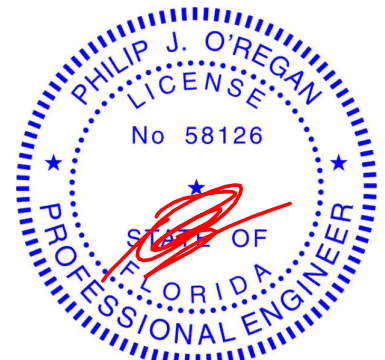
REACTIONS. (size) 7=Mechanical, 13=0-3-8
Max Horz 13=204(LC 12)
Max Uplift 7=134(LC 12), 13=124(LC 12)
Max Grav 7=517(LC 1), 13=616(LC 1)

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

TOP CHORD 2-3=-562/117, 3-4=-562/118, 6-7=-488/145, 2-13=-641/162
BOT CHORD 10-11=-484/879, 9-10=-147/397
WEBS 3-10=-549/344, 4-10=-34/311, 4-9=-317/139, 6-9=-146/505, 2-12=-79/461

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 7-10-0, Exterior(2R) 7-10-0 to 12-0-15, Interior(1) 12-0-15 to 14-3-2 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=134, 13=124.



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

September 7,2021

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257320
2926649	T21	Half Hip	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:46 2021 Page 1
ID:uGyLaR0sTnMsfMNTAgAoopzflqg-can9yoZsaTnCG2TJqHj6sxzfGB?1EPXyN_s9g9ygg??

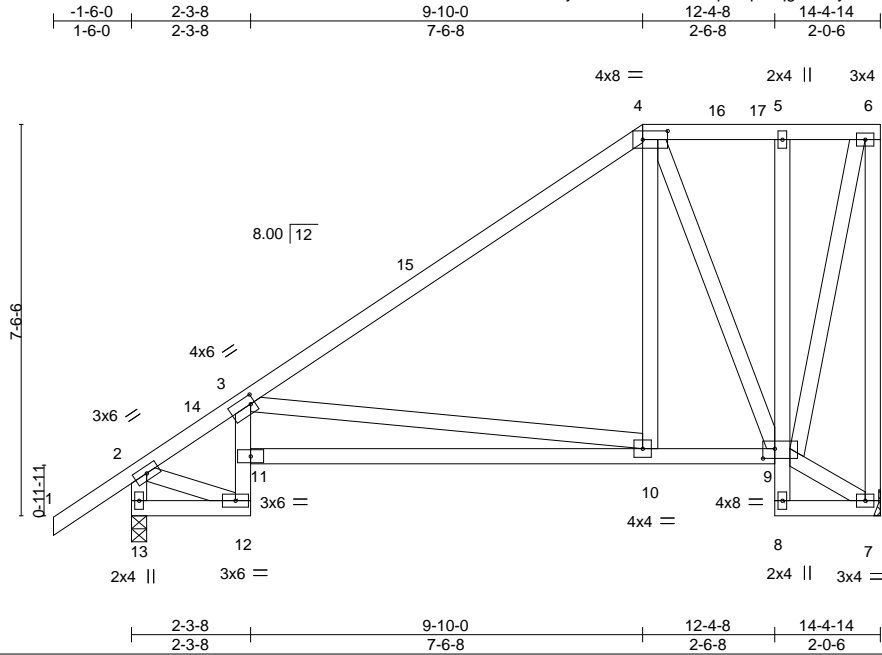


Plate Offsets (X,Y)-- [3:0-1-0,0-2-0], [4:0-5-12,0-2-0], [9:0-2-12,0-2-4]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.58	Vert(LL)	-0.11 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.82	Vert(CT)	-0.24 10-11	>693	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.98	Horz(CT)	0.09 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS					Weight: 117 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-8: 2x4 SP No.3
WEBS 2x4 SP No.3

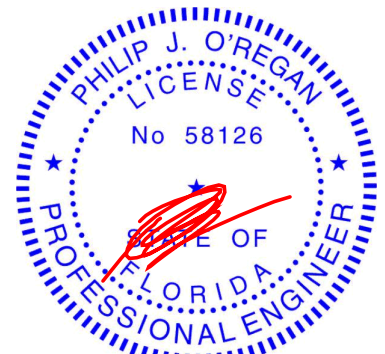
REACTIONS. (size) 7=Mechanical, 13=0-3-8
Max Horz 13=248(LC 12)
Max Uplift 7=164(LC 12), 13=-105(LC 12)
Max Grav 7=517(LC 1), 13=616(LC 1)

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

TOP CHORD 2-3=-578/110, 3-4=-468/60, 6-7=-478/172, 2-13=-644/146
BOT CHORD 10-11=-620/1084, 9-10=-114/290
WEBS 3-10=-828/511, 4-10=-34/388, 4-9=-430/181, 6-9=-155/440, 2-12=-106/519

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=18ft; 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 9-10-0, Exterior(2E) 9-10-0 to 14-3-2 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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=164, 13=105.



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

September 7, 2021

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



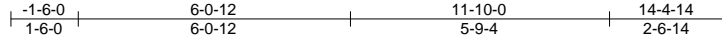
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T22	Half Hip	1	1	T25257321

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:47 2021 Page 1

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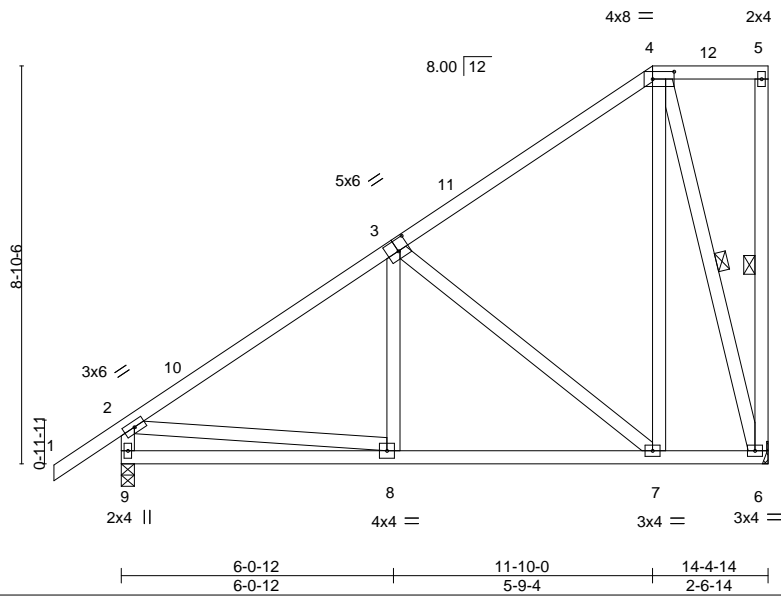


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-12,0-2-0]

LOADING (psf)	SPACING-	CSL	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.34	Vert(LL)	-0.03	8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.34	Vert(CT)	-0.06	8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.44	Horz(CT)	-0.01	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MS						Weight: 113 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 6=Mechanical, 9=0-3-8
Max Horz 9=293(LC 12)
Max Uplift 6=-202(LC 12), 9=-82(LC 12)
Max Grav 6=517(LC 1), 9=616(LC 1)

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

TOP CHORD 2-3=-595/34, 3-4=-251/12, 2-9=-563/105
BOT CHORD 8-9=-332/241, 7-8=-216/441
WEBS 3-7=-405/206, 4-7=-97/361, 4-6=-484/209, 2-8=0/290

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-10-0, Exterior(2E) 11-10-0 to 14-3-2 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.
- 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) 9 except (jt=lb) 6=202.

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.
WEBS 1 Row at midpt 5-6, 4-6



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September 7, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T23	Half Hip	1	1	T25257322

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:48 2021 Page 1
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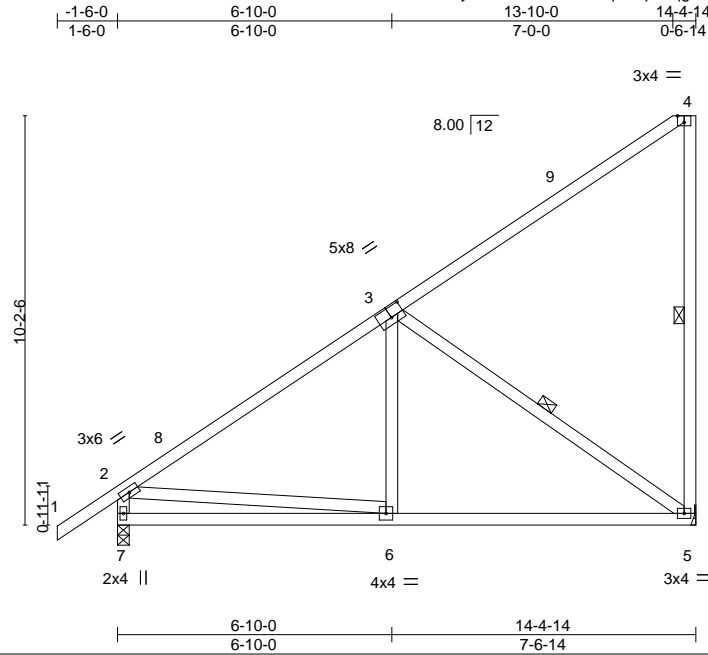


Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [4:0-2-0,Edge]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.61	Vert(LL)	-0.08	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.53	Vert(CT)	-0.17	5-6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	-0.01	5	n/a	n/a		
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS						Weight: 95 lb	FT = 20%

LUMBER-

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

REACTIONS.

(size) 5=Mechanical, 7=0-3-8
Max Horz 7=337(LC 12)
Max Uplift 5=254(LC 12), 7=48(LC 12)
Max Grav 5=544(LC 19), 7=616(LC 1)

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

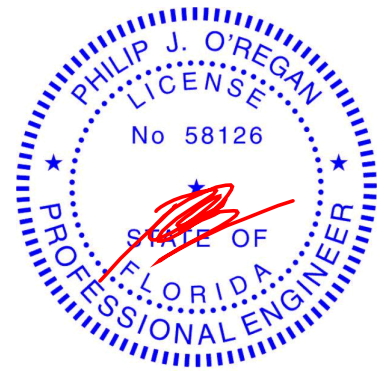
TOP CHORD 2-3=-596/0, 2-7=-560/77
BOT CHORD 6-7=-377/259, 5-6=-220/452
WEBS 3-6=0/308, 3-5=-536/261, 2-6=0/293

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 14-3-2 zone; end vertical left 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) 7 except (jt=lb) 5=254.

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-6-15 oc bracing.
WEBS 1 Row at midpt 4-5, 3-5



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



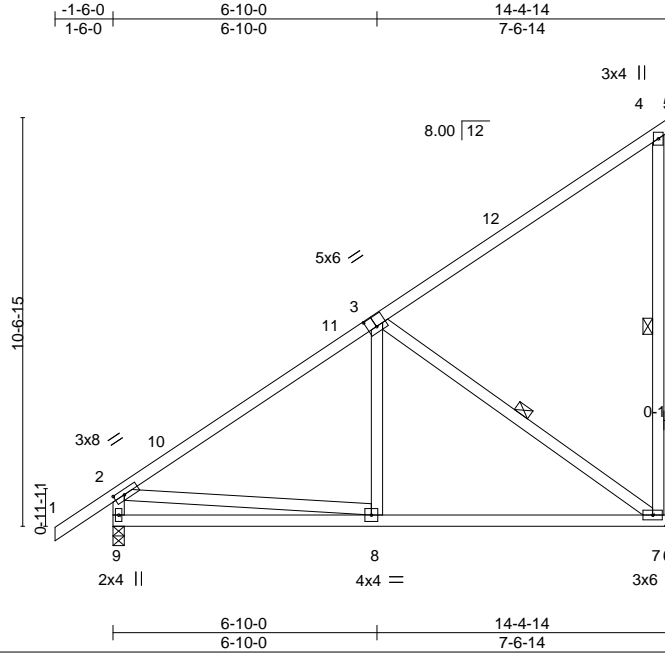
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC
2926649	T24	Jack-Closed	5	1	T25257323

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:48 2021 Page 1

ID:uGyLaR0sTnMsfMNtAqAoopzflqg-ZzvwNUa7641wVLdihmaxM30?_mViV3FqILGk1ygg_z



Scale = 1:59.6

Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [3:0-2-12,0-3-4]

LOADING (psf)	SPACING-	CSL	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.57	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.50	Vert(CT)	-0.14	7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.21	Horz(CT)	-0.01	7	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MS						Weight: 95 lb	FT = 20%

LUMBER-

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

REACTIONS.

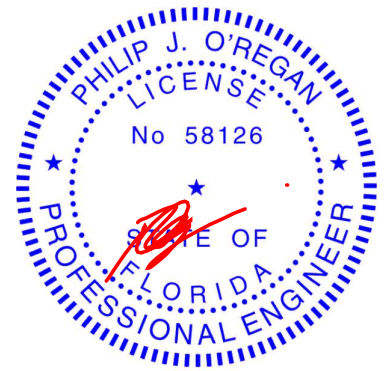
(size) 9=0-3-8, 7=Mechanical
Max Horz 9=282(LC 12)
Max Uplift 9=-50(LC 12), 7=-168(LC 12)
Max Grav 9=611(LC 1), 7=551(LC 19)

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

TOP CHORD 2-9=-553/77, 2-3=-585/0
BOT CHORD 8-9=-355/263, 7-8=-168/441
WEBS 2-8=0/307, 3-8=0/303, 3-7=-522/198

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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 14-4-14 zone; end vertical left 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) 9 except (jt=lb) 7=168.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

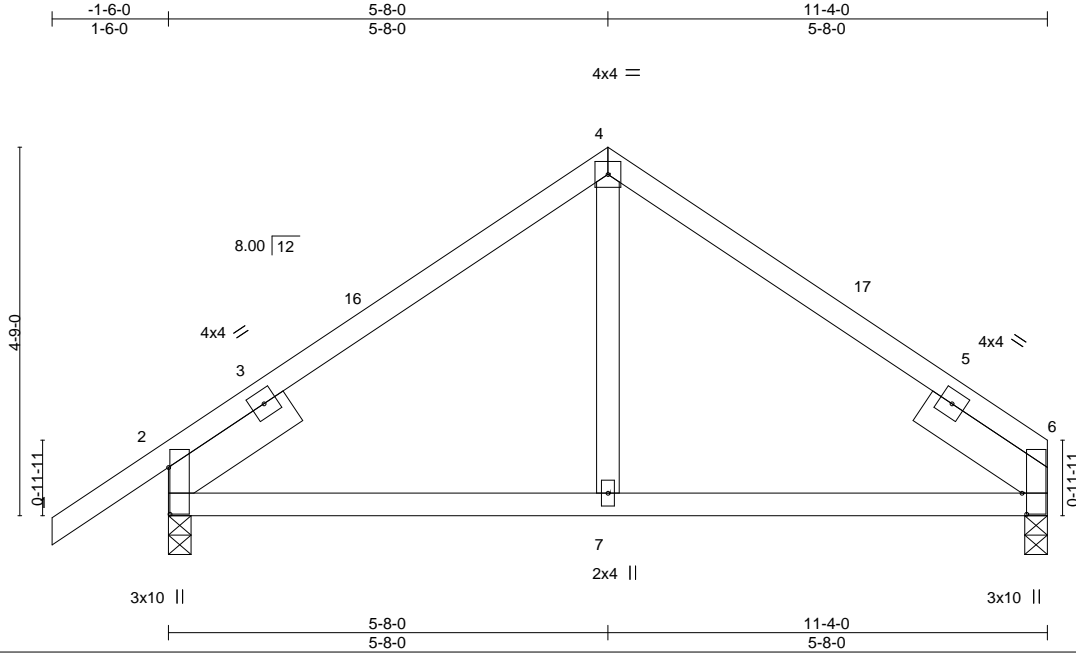


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257324
2926649	T25	Common	2	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:49 2021 Page 1
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Scale = 1:29.7

Plate Offsets (X,Y)-- [2:0-7-4,0-0-4], [6:0-3-4,0-0-12]

LOADING (psf)	SPACING-	CSL.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	-0.03	7-10	>999	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.26	Vert(CT)	-0.05	7-10	>999	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.09	Horz(CT)	0.02	6	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						Weight: 56 lb	FT = 20%
	Code FBC2020/TPI2014								

LUMBER-

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

REACTIONS.

(size) 6=0-3-8, 2=0-3-8
Max Horz 2=95(LC 11)
Max Uplift 6=-75(LC 13), 2=-107(LC 12)
Max Grav 6=414(LC 1), 2=506(LC 1)

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

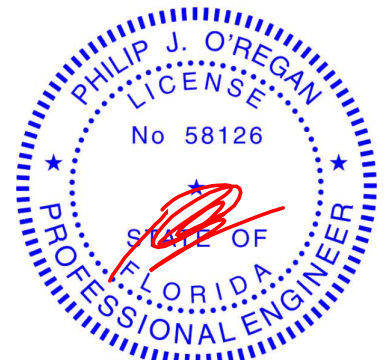
TOP CHORD 2-4=-382/152, 4-6=-377/153
BOT CHORD 2-7=-43/294, 6-7=-43/294

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-8-0, Exterior(2R) 5-8-0 to 8-8-0, Interior(1) 8-8-0 to 11-4-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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) 6 except (jt=lb) 2=107.

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.



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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257325
2926649	T25G	Common Supported Gable	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:50 2021 Page 1
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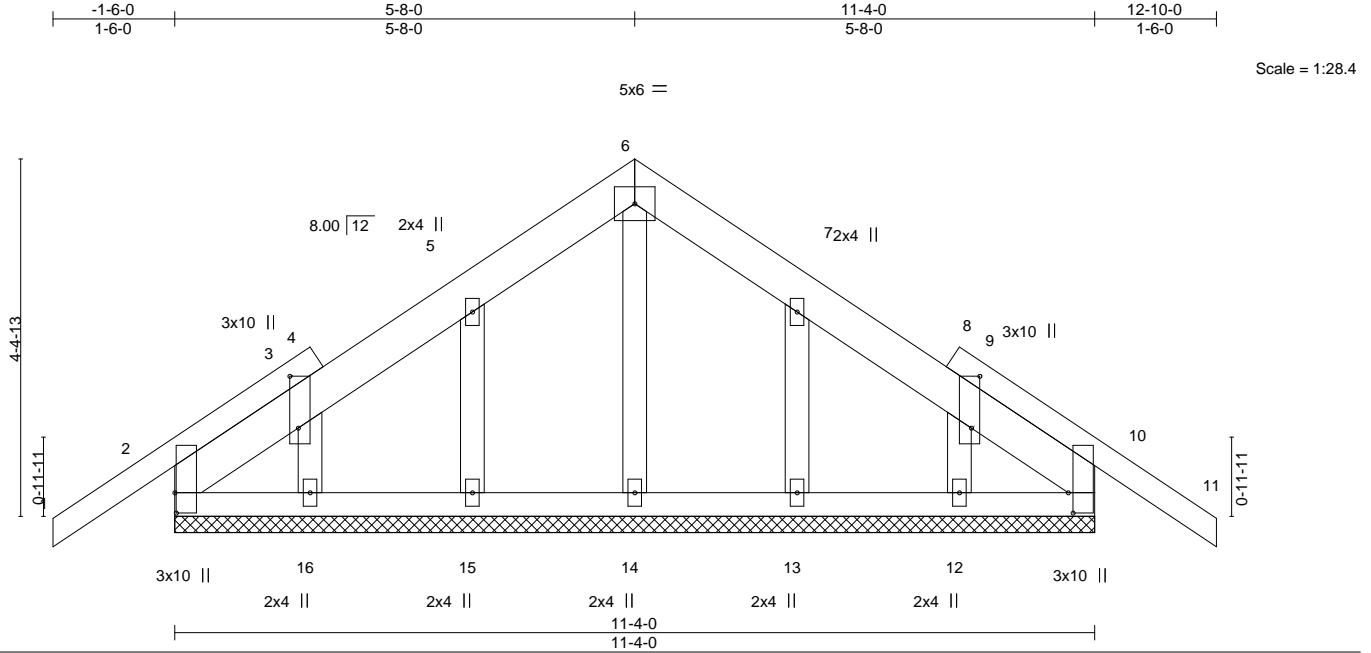


Plate Offsets (X,Y)-- [2:0-3-0,0-0-3], [3:0-7-11,0-1-4], [9:0-7-11,0-1-4], [10:0-3-0,0-0-11]

LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.12	Vert(LL)	-0.01 11	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.03	Vert(CT)	-0.01 11	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT)	0.00 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S					Weight: 77 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-4,8-11: 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.

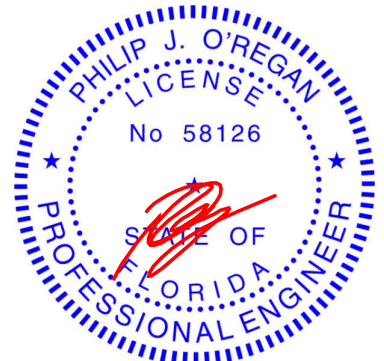
REACTIONS.

All bearings 11-4-0.
(lb) - Max Horz 2=92(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 15, 16, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-11, Exterior(2N) 1-6-11 to 5-8-0, Corner(3R) 5-8-0 to 8-8-0, Exterior(2N) 8-8-0 to 12-10-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 15, 16, 13, 12.



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

September 7,2021

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

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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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:52 2021 Page 1
 ID:uGyLaR0sTnMsfMNTaAqAoopzflqg-Rk8QDsddAJXL_zwTBXqW6CDjmb5teBorWJTtoyg_v
 2-11-12 5-8-0 8-4-4 11-4-0
 2-11-12 2-8-4 2-8-4 2-11-12



Date: September 7, 2021



6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257326
2926649	T26	Common Girder	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:52 2021 Page 2
ID:uGyLaR0sTnMsfMNIaQAoopzflqg-Rk8QDsddAJXL_zwTBXqW6CDjmb5teBOrlwJTtoygg_v

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 11-15=-20
Concentrated Loads (lb)
Vert: 10=-2227(F) 19=-157 20=-1142(F) 21=-1137(F) 22=-1137(F)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257327
2926649	T27	HALF HIP GIRDER	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:54 2021 Page 1
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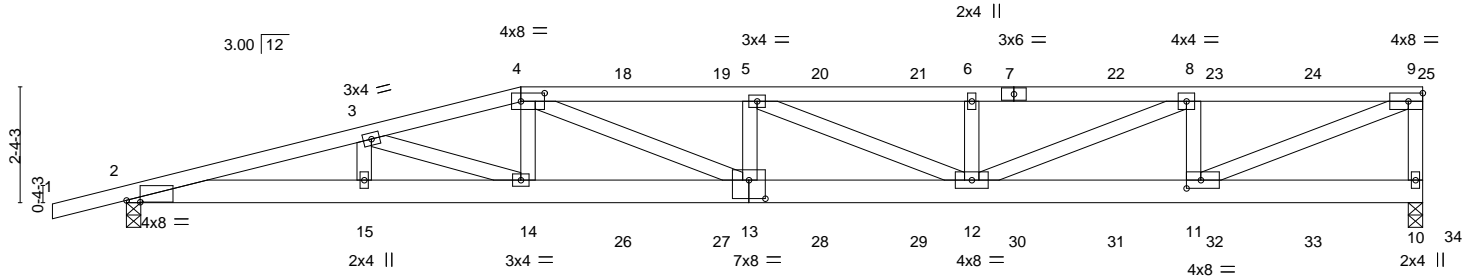


Plate Offsets (X,Y)--	[2:0-3-5,0-0-7], [4:0-5-12,0-2-0], [11:0-3-8,0-2-0], [13:0-4-0,0-4-8]
-----------------------	-----------------------------------------------------------------------

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	-0.30	13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.87	Vert(CT)	-0.56	13	>556	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.93	Horz(CT)	0.08	10	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-MS						Weight: 296 lb	FT = 20%

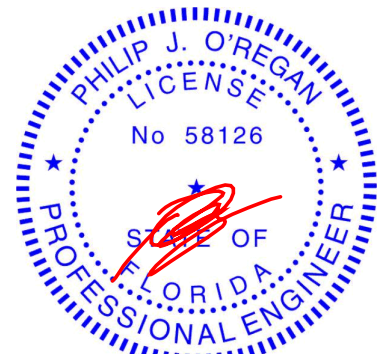
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-8-7 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-9-6 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 10=0-3-8, 2=0-3-8
Max Horz 2=84(LC 4)
Max Uplift 10=789(LC 4), 2=795(LC 4)
Max Grav 10=2501(LC 1), 2=2077(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7122/2570, 3-4=-7117/2514, 4-5=-7989/2702, 5-6=-7154/2356, 6-8=-7154/2356, 8-9=-4587/1484, 9-10=-2289/779
BOT CHORD 2-15=-2530/6892, 14-15=-2530/6892, 13-14=-2476/6960, 12-13=-2703/7991, 11-12=-1484/4587
WEBS 3-14=-346/378, 4-14=-315/833, 4-13=-280/1234, 5-13=-257/131, 5-12=-914/379, 6-12=-516/233, 8-12=-952/2803, 8-11=-1702/646, 9-11=-1575/4874

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; 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.
- 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) 10=789, 2=795.



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Date:

September 7, 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	LIPSCOMB EAGLE - LOT 17 TC	T25257327
2926649	T27	HALF HIP GIRDER	1	2	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:54 2021 Page 2
ID:uGyLaR0sTnMsfMNTAqAoopzflqg-N7GBeXfthwo3DG4slyt_BdJ0iPJb61O8DEoaxhygg_t

NOTES-

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 152 lb down and 89 lb up at 8-0-0, 133 lb down and 89 lb up at 10-0-12, 133 lb down and 89 lb up at 12-0-12, 133 lb down and 89 lb up at 14-0-12, 133 lb down and 89 lb up at 16-0-12, 133 lb down and 89 lb up at 18-0-12, 133 lb down and 89 lb up at 20-0-12, 133 lb down and 89 lb up at 22-0-12, and 133 lb down and 89 lb up at 24-0-12, and 151 lb down and 87 lb up at 25-9-12 on top chord, and 495 lb down and 249 lb up at 8-0-0, 101 lb down at 10-0-12, 101 lb down at 12-0-12, 101 lb down at 14-0-12, 101 lb down at 16-0-12, 101 lb down at 18-0-12, 101 lb down at 20-0-12, 101 lb down at 22-0-12, and 101 lb down at 24-0-12, and 114 lb down at 25-9-12 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, 4-9=-54, 2-10=-20

Concentrated Loads (lb)

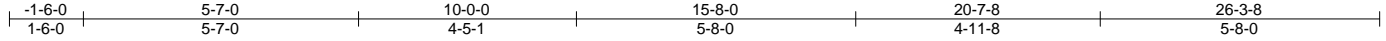
Vert: 4=-133(F) 7=-133(F) 14=-495(F) 18=-133(F) 19=-133(F) 20=-133(F) 21=-133(F) 22=-133(F) 23=-133(F) 24=-133(F) 25=-151(F) 26=-79(F) 27=-79(F) 28=-79(F) 29=-79(F) 30=-79(F) 31=-79(F) 32=-79(F) 33=-79(F) 34=-86(F)

Job	Truss	Truss Type	Qty	Ply	LIPSCOMB EAGLE - LOT 17 TC	T25257328
2926649	T28	Half Hip	1	1	Job Reference (optional)	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Sun Sep 5 13:36:55 2021 Page 1

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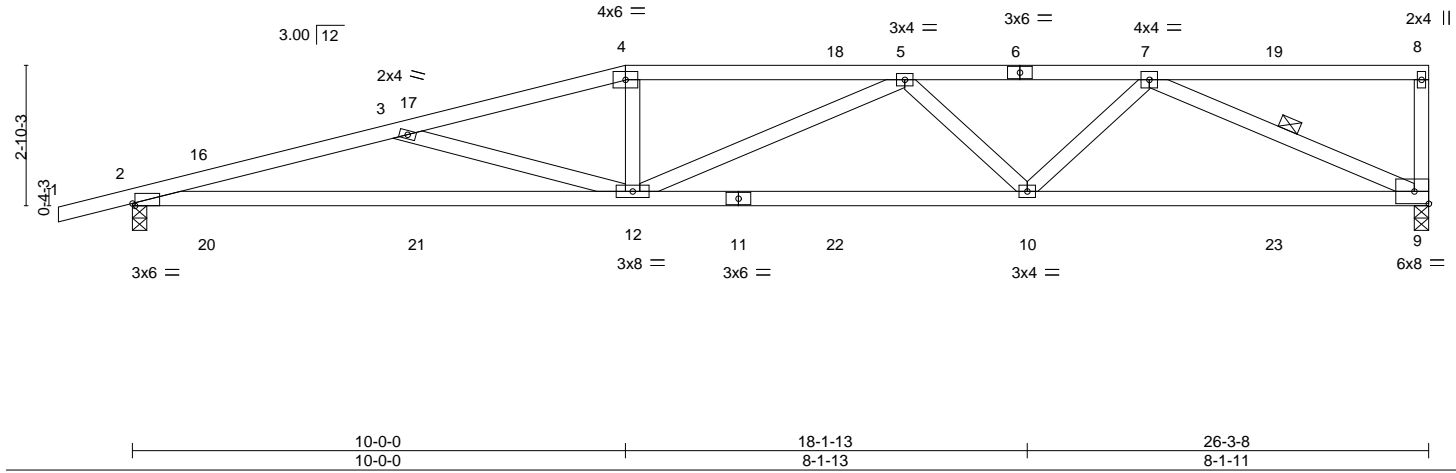


Plate Offsets (X,Y)-- [2:0-0-10,Edge]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.80	Vert(LL)	0.47 12-15	>669	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.43 12-15	>728	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.08 9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS						Weight: 122 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-11: 2x4 SP M 31
WEBS 2x4 SP No.3

REACTIONS.

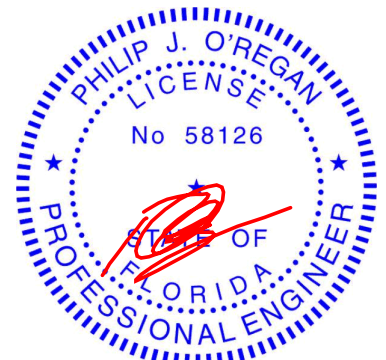
(size) 9=0-3-8, 2=0-3-8
Max Horz 2=100(LC 8)
Max Uplift 9=459(LC 8), 2=508(LC 8)
Max Grav 9=965(LC 1), 2=1051(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3003/2930, 3-4=-2489/2570, 4-5=-2402/2536, 5-7=-2113/2200
BOT CHORD 2-12=-2918/2897, 10-12=-2402/2404, 9-10=-1614/1668
WEBS 3-12=-534/426, 4-12=-504/392, 5-10=-417/290, 7-10=-843/640, 7-9=-1784/1711

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=18ft; 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 10-0-0, Exterior(2R) 10-0-0 to 14-2-15, Interior(1) 14-2-15 to 26-1-12 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
- 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) 9=459, 2=508.



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Date:

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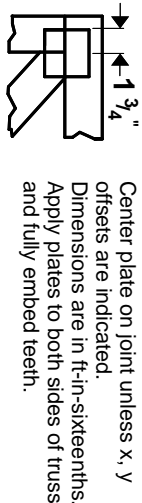
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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



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Symbols

PLATE LOCATION AND ORIENTATION



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

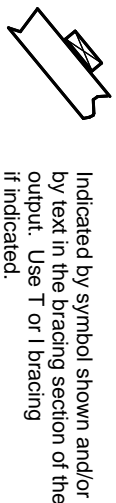
For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

PLATE SIZE

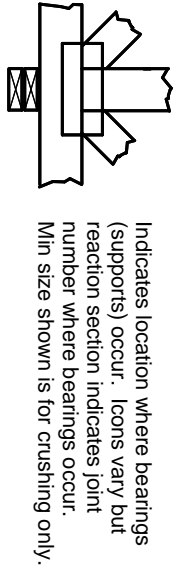
4 X 4

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

LATERAL BRACING LOCATION



BEARING



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



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.