

SIMF	PSON	ROOF TRUS	S CONN	NECTOR	SCHEDULE
QTY	ID	MODEL	ROOF	UPLIFT	SYMBOL
4	A*	LUS24	895	490	Ĭ ΓV∗
39	Α	HTU26	3600	1555	ДĹ
0	В	HTU28	4680	2140	٦ſB
0	С	HTU26-2	3600	2175	ΙľC
0	D	HTU28-2	4680	3485] [D
0	E	HGUS26-2	5320	2155	ŢĹΕ

OME CEILING FRAN			ONDITIONS PRIOR TO ELD BY BUILDER				IMPORTANT					
ENCLOSED EXPOSURE CATEGO OCCUPANCY CATE WIND LOAD 130 MP WIND IMPORTANCE	ORY B GORY I PH FACTO	I DR 1.00 BIGNED FOR A	C-C HYBRID WIND AS 10.0 PSF BOTTOM C /E LOADS	Retui Begin. Dimens	rawing Must Be Approved And rned Before Fabrication Will For Your Protection Check All sions And Conditions Prior To Approval Of Plan. FURE BELOW INDICATES ALL ES AND DIMENSIONS HAVE							
ROOF	LOAI	DING	FLOO	R LOA	DING		BEEN ACCEPTED.					
TCLL:	20	PSF	TCLL:	40	PSF	Ву	Date					
TCDL:	7	PSF	TCDL:	10	PSF	Regue	ested Delivery Date:					
BCDL:	10	PSF	BCDL:	5	PSF	ixeque	Nequested Delivery Date.					
TOTAL:	37	PSF	TOTAL:	55	PSF							
DURATION:	1.2	5	DURATION	: 1.0	n							

CAUTION!!!

DO NOT ATTEMPT TO ERECT TRUSSES WITHOUT REFERRING TO THE ENGINEERING DRAWINGS AND **BSCI-B1 SUMMARY SHEETS.**

ALL PERMANENT BRACING MUST BE IN PLACE PRIOR TO LOADING TRUSSES. (ie. SHEATHING, SHINGLES, ETC.)

ALL INTERIOR BEARING WALLS MUST BE IN PLACE PRIOR TO

INSTALLING TRUSSES. REFER TO FINAL ENGINEERING

1) NUMBER OF GIRDER PLIES AND

SHEETS FOR THE FOLLOWING.

NAILING SCHEDULE.

2) BEARING BLOCK REQUIREMENTS.

3) SCAB DETAILS (IF REQUIRED)

4) UPLIFT AND GRAVITY REACTIONS.

WARNING

Backcharges Will Not Be Accepted Regardless of Fault Without Prior **Notification By Customer Within 48** Hours And Investigation By ProBuild. NO EXECPTIONS.

The General Contractor Is Responsible For All Connections Other Than Truss to Truss, Gable Shear Wall, And Connections. Temporay and Permanent Bracing, And Ceiling And **Roof Diaphram Connections.**

ROOF PITCH: 3/12, 7/12 & 12/12

CEILING PITCH: 0/12

TOP CHORD SIZE: 2 X 4

BOTTOM CHORD SIZE: 2 X 4

OVERHANG LENGTH: 10"

END CUT: Plumb

CANTILEVER: N/A

TRUSS SPACING: 24"

BUILDING CODE: FBC2020 TPI 2014

BEARING HEIGHT SCHEDULE

KING HEIGHT 30	٠
Hatch Legend	
9' BRG	
8' BRG	
10' BRG	
11' BRG	

BUILDER:

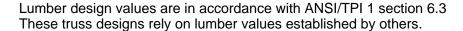
GW HOMES

PROJEC	T:	Keller							
MODEL:	·	Cambridge 2							
ADDRES	S:	offsite							
LOT / BL	OCK:	XX							
SUBDIVI	SION:	Scattered Lot							
CITY:		Gainesville							
DRAWN	BY:	xx							
JOB # :		2935497							
DATE: x	•	SCALE: 1/4"							

PLAN DATE: xx **REVISIONS:**



712 Duck Lake Rd Lady Lake FL 32159 Ph. (352) 259-1768 Fax (352) 259-2521





RE: 2935497 -MiTek USA, Inc. 6904 Parke East Blvd. Site Information: Tampa, FL 33610-4115

Customer Info: GW Homes Project Name: . Model: Cambridge 2

Lot/Block: .31-7S-17 Address: 108 Blue Bird Ct, . Subdivision: .

City: Fort White 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 112 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	T25901714	A01	11/8/21	23	T25901736	A20	11/8/21
2	T25901715	A01R	11/8/21	24	T25901737	A21 A22	11/8/21
3 4	T25901716 T25901717	A02 A02R	11/8/21 11/8/21	25 26	T25901738 T25901739	A22 A23	11/8/21 11/8/21
5	T25901717	A03	11/8/21	27	T25901739	A24	11/8/21
Ğ	T25901719	A03R	11/8/21	28	T25901741	A25	11/8/21
7	T25901720	A04	11/8/21	29	T25901742	A26	11/8/21
8	T25901721	A05	11/8/21	30	T25901743	A27	11/8/21
9	T25901722	A06	11/8/21	31	T25901744	B01	11/8/21
10 11	T25901723 T25901724	A07 A08	11/8/21 11/8/21	32 33	T25901745 T25901746	B02 B02R	11/8/21 11/8/21
12	T25901724	A09	11/8/21	34	T25901740	B03	11/8/21
13	T25901726	A10	11/8/21	35	T25901748	B04	11/8/21
14	T25901727	A11	11/8/21	36	T25901749	B05	11/8/21
15	T25901728	A12	11/8/21	37	T25901750	B06	11/8/21
16	T25901729	A13	11/8/21	38	T25901751	C1A	11/8/21
17 18	T25901730 T25901731	A14 A15	11/8/21	39 40	T25901752 T25901753	C1B C1C	11/8/21
19	T25901731	A16	11/8/21 11/8/21	40 41	T25901753	C1G	11/8/21 11/8/21
20	T25901733	A17	11/8/21	42	T25901755	Č1P	11/8/21
<u>2</u> 1	T25901734	A18	11/8/21	43	T25901756	C3A	11/8/21
22	T25901735	A19	11/8/21	44	T25901757	C3B	11/8/21



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 (Lady Lake, FL).

Truss Design Engineer's Name: ORegan, Philip

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

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



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



RE: 2935497 -

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

Truss Name Date

11/8/21

11/8/21 11/8/21 11/8/21

V01 V02 V03 V04 V05

V06 V07 V08 V09

Seal#

T25901815 T25901816 T25901816 T25901817 T25901818 T25901820 T25901821 T25901821 T25901822 T25901823 T25901824 T25901825

Site Information:

Customer Info: GW Homes Project Name: . Model: Cambridge 2

Subdivision: .

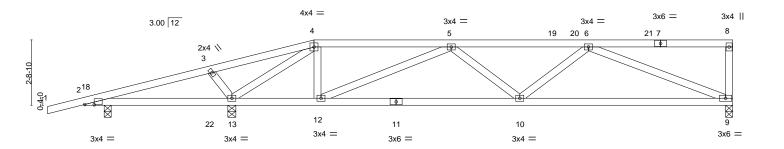
Lot/Block: .31-7S-17 Address: 108 Blue Bird Ct, .

City: Fort White State: FL

N 5 4 4 7 8 9 9 1 2 3 4 5 6 7 8 9 9 0 1 2 3 1 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Seal# T25901758 T25901760 T25901761 T25901762 T25901763 T25901765 T25901766 T25901767 T25901769 T25901770 T25901771 T25901772 T25901774 T25901774 T25901775 T25901775 T25901776	Truss Name C3C C3G C3P C5A C5G D01 D02 D03 D04 D05 D06 D07 D08 D09 D10 D11 D12 D13 D14	Date 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21	No. 102 103 104 105 106 107 108 109 110 111 112
64 666 667 777 777 777 778 81 823 845 867 889 991 991 991 991 991 101	T25901777 T25901778 T25901780 T25901781 T25901782 T25901783 T25901785 T25901786 T25901786 T25901789 T25901790 T25901791 T25901791 T25901792 T25901793 T25901794 T25901795 T25901797 T25901798 T25901799 T25901799 T25901800 T25901800 T25901801 T25901801 T25901802 T25901803 T25901804 T25901806 T25901807 T25901807 T25901807 T25901808 T25901808 T25901808 T25901810 T25901810 T25901811 T25901811 T25901811	D15 D16 D17 E5 E55A E55G E57P E67 E7S G01 G023 G04 G05 H5C H5C H5C H5C H5C H5C M03 M04 M05 M06 M08 M09 M10 P01 P02 P03 P06 P07	11/8/21 11/8/21	

Job Truss Truss Type Qty T25901714 2935497 A01 Half Hip 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:50 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-fHRPD4jFb_cvDzFyZSEuI0twIYDgMyWZKEslh_yMEyd 20-11-8 26-11-8 5-3-8 5-3-8 1-6-8 4-3-0 5-8-8 5-8-8 6-0-0

Scale: 1/4"=1



φ-9-12 0-9-12	6-1-8 5-3-12	9-6-8		18-1-4 8-6-12		+		26-11-8 8-10-4	———
	[2:0-4-12,0-0-2]								
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2020/TF	2-0-0 1.25 1.25 YES Pl2014	CSI. TC 0.60 BC 0.75 WB 1.00 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.13 9-10 -0.27 9-10 0.04 9	l/defl >999 >906 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 126 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 9=0-3-8, 2=0-3-8, 13=0-4-0

Max Horz 2=82(LC 11)

Max Uplift 9=-71(LC 9), 2=-128(LC 12), 13=-178(LC 12) Max Grav 9=715(LC 22), 2=179(LC 21), 13=1173(LC 1)

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

2-3=-109/497, 3-4=-150/652, 4-5=-631/163, 5-6=-1433/350 TOP CHORD **BOT CHORD** 2-13=-451/116, 12-13=-168/603, 10-12=-375/1411, 9-10=-334/1241 3-13=-274/198, 4-13=-1484/348, 4-12=-18/459, 5-12=-860/313, 6-10=0/388, WFBS

6-9=-1265/375

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-2-5, Interior(1) 5-2-5 to 9-6-8, Exterior(2R) 9-6-8 to 19-5-5, Interior(1) 19-5-5 to 26-9-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=128, 13=178.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

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

November 8,2021



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

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



Job Truss Truss Type Qty T25901715 2935497 A01R Flat 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:51 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-7T?nRPjtMlkmq7q979m7qDQ6WxY85RDjYubIDQyMEyc

11-7-13

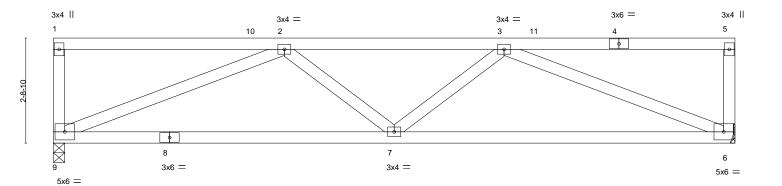
5-8-3

Scale = 1:29.8

5-11-11

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.



	8-9-12 8-9-12		17-7-8 8-9-12					
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code FBC2020/TPI2014	CSI. TC 0.57 BC 0.74 WB 0.85 Matrix-AS	DEFL. in (loc) l/defl L/d Vert(LL) -0.12 7-9 >999 240 Vert(CT) -0.24 6-7 >864 180 Horz(CT) 0.03 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 87 lb FT = 20%				

BRACING-TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No 2 2x4 SP No.2

BOT CHORD WEBS 2x4 SP No.3

REACTIONS.

9=0-3-8, 6=Mechanical (size) Max Horz 9=79(LC 9) Max Uplift 9=-69(LC 8), 6=-69(LC 9) Max Grav 9=641(LC 1), 6=641(LC 1)

5-11-11

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

TOP CHORD 2-3=-1171/568

BOT CHORD 7-9=-693/1062, 6-7=-675/1062

WEBS 2-9=-1074/681, 2-7=0/295, 3-7=0/295, 3-6=-1074/682

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 5-1-12, Exterior(2) 5-1-12 to 12-5-12, Corner(3) 12-5-12 to 17-5-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 6.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021



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

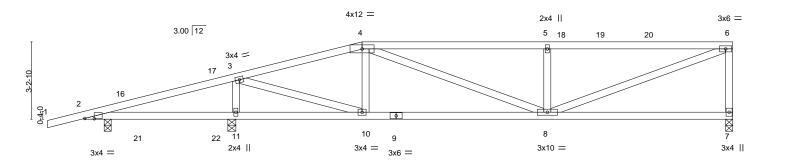
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chorembers 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty T25901716 2935497 A02 Half Hip | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:52 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-bfZ9elkV7btdSHPLhtHMNRzHaLxEq_ssnYLrmsyMEyb 19-3-0 26-11-8 1-6-8 6-3-8 5-3-0 7-8-8 7-8-8

Scale: 1/4"=1



φ-9-12	6-1-8 11-6-8			19-3-0		26-11-8		
<u> </u>	5-3-12		5-5-0	7-8-8		1	7-8-8	
Plate Offsets (X,Y)	[2:0-4-12,0-0-2]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	Vert(LL) -0.0	08 7-8 >999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT) -0.	8 8-10 >999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.50	Horz(CT) 0.0)1 7 n/a	ı n/a		
BCDL 10.0	Code FBC2020/TPI	2014	Matrix-AS				Weight: 128 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

REACTIONS.

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

WEBS 2x4 SP No.3

(size) 7=0-3-8, 2=0-3-8, 11=0-4-0

Max Horz 2=98(LC 11)

Max Uplift 7=-72(LC 9), 2=-148(LC 12), 11=-157(LC 12) Max Grav 7=728(LC 21), 2=266(LC 21), 11=1074(LC 1)

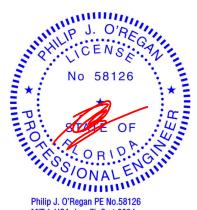
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-52/304, 3-4=-1000/287, 4-5=-1295/410, 5-6=-1295/410, 6-7=-655/222 TOP CHORD

BOT CHORD 2-11=-272/57, 10-11=-272/57, 8-10=-287/924

WFBS 3-11=-957/296, 3-10=-255/1244, 4-8=-130/456, 5-8=-464/281, 6-8=-381/1317

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 11-6-8, Exterior(2R) 11-6-8 to 21-5-5, Interior(1) 21-5-5 to 26-9-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb)
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

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

November 8,2021



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

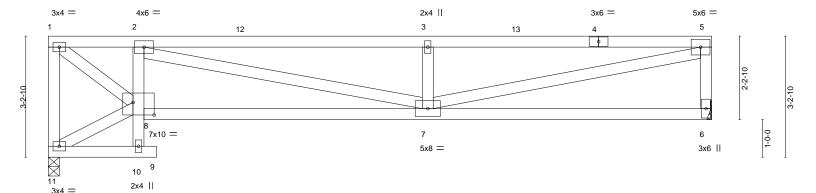
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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



Job Truss Truss Type Qty T25901717 2935497 A02R Roof Special Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:53 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-3s7Xs5l7uv?T4R_XEaobveVSNlHmZKN00C4PlJyMEya 2-6-8 7-6-8 7-6-8

Scale = 1:30.6



2-6-8 2-6-8 Plate Offsets (X,Y) [8								
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code FBC2020/TPI2014	CSI. TC 0.54 BC 0.54 WB 0.93 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) 0.10 7-8 -0.21 7-8 0.04 6	l/defl >999 >975 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 95 lb	GRIP 244/190 FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

2-10: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS. (size) 11=0-3-8, 6=Mechanical

Max Horz 11=-88(LC 10)

Max Uplift 11=-66(LC 8), 6=-70(LC 9) Max Grav 11=650(LC 1), 6=643(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-11=-616/387, 1-2=-796/526, 2-3=-1582/884, 3-5=-1582/884, 5-6=-567/413 TOP CHORD

BOT CHORD 2-8=-475/428. 7-8=-644/934

WEBS 1-8=-602/995, 2-7=-406/671, 3-7=-422/415, 5-7=-858/1510

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 5-1-12, Exterior(2) 5-1-12 to 12-5-12, Corner(3) 12-5-12 to 17-5-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 6.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 8-10

6904 Parke East Blvd. Tampa FL 33610

November 8,2021

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

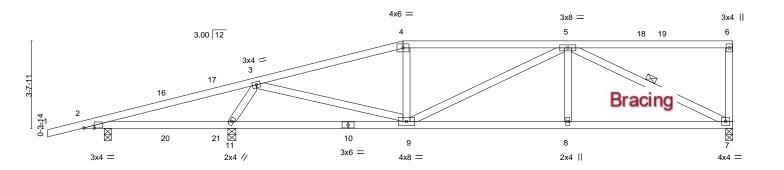
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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



Job Truss Truss Type Qty T25901718 2935497 A03 Half Hip Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:54 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Y2gw3RmlfD7KhaZkolJqSs2fD9e4lwP9FsqyqlyMEyZ 20-1-11 13-3-7 27-0-0 1-6-0 6-1-3 6-10-5 6-10-5

Scale: 1/4"=1



φ-10-4	6-2-0	1	13-3-7		20-1-11			27-0-0	
0-10-4	5-3-12	1	7-1-7	<u>'</u>	6-10-5		<u> </u>	6-10-5	
Plate Offsets (X,Y)	[2:0-5-4,0-0-0]								
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2020/TPI	2-0-0 1.25 1.25 YES 2014	CSI. TC 0.41 BC 0.47 WB 0.37 Matrix-AS	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.07 9-11 -0.14 9-11 0.02 7	l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 130 lb	GRIP 244/190 FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 7=0-3-8, 2=0-3-8, 11=0-4-0

Max Horz 2=111(LC 11)

Max Uplift 7=-75(LC 12), 2=-158(LC 12), 11=-137(LC 12) Max Grav 7=742(LC 1), 2=267(LC 1), 11=1059(LC 1)

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

2-3=-48/328, 3-4=-1120/330, 4-5=-1039/329 TOP CHORD

BOT CHORD $2\text{-}11\text{=-}290/51,\,9\text{-}11\text{=-}353/280,\,8\text{-}9\text{=-}315/1080,\,7\text{-}8\text{=-}315/1080}$ WFBS 3-11=-1064/360, 3-9=-98/795, 5-8=0/273, 5-7=-1157/349

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-0 to 5-6-0, Interior(1) 5-6-0 to 13-3-7, Exterior(2R) 13-3-7 to 23-2-4, Interior(1) 23-2-4 to 26-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb)
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

1 Row at midpt

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

November 8,2021



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

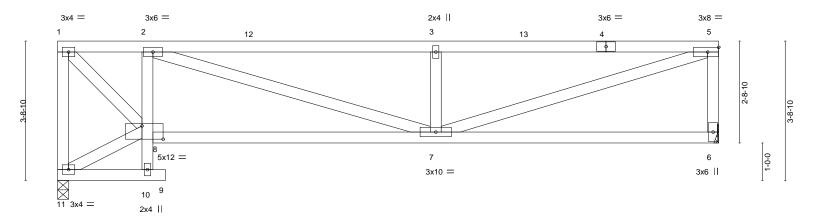
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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



Job Truss Truss Type Qty T25901719 2935497 A03R Roof Special Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:55 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0EEIGnnOQWFBJk8wM?q3?3bojZzR1GWJTWZVMByMEyY 7-6-8 7-6-8

Scale = 1:30.7



ł	2-6-8			70-1-0						7.7-8		
	2-6-8			7-6-8						7-6-8		
_Plate Of	ffsets (X,Y)	[8:0-6-12,0-4-4]										
LOADIN	NG (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.08	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.18	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS	, ,					Weight: 99 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

2-10: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS. (size) 11=0-3-8, 6=Mechanical

Max Horz 11=-104(LC 10)

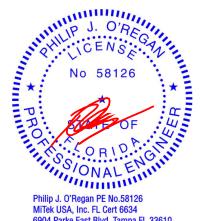
Max Uplift 11=-69(LC 8), 6=-73(LC 9) Max Grav 11=650(LC 1), 6=643(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-11=-622/396, 1-2=-628/436, 2-3=-1270/715, 3-5=-1270/715, 5-6=-570/419 TOP CHORD

BOT CHORD 2-8=-490/445 7-8=-536/716

WEBS 1-8=-535/876, 2-7=-368/584, 3-7=-431/422, 5-7=-724/1248

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 5-1-12, Exterior(2) 5-1-12 to 12-5-12, Corner(3) 12-5-12 to 17-5-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11, 6.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 8-10

6904 Parke East Blvd. Tampa FL 33610

November 8,2021

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

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



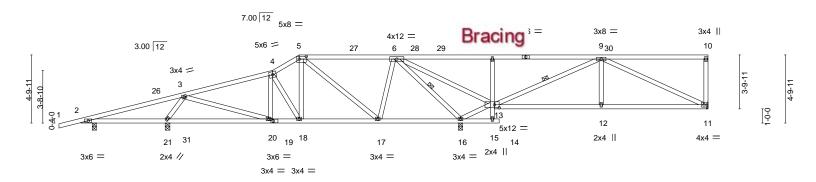
Job Truss Truss Type Qty T25901720 2935497 A04 Half Hip Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:57 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ydM2hToey8VvY2IITQsX4Ug8rMe2VCHbxq2cR4yMEyW

29-2-8

6-10-12

Scale = 1:81.4

7-6-8



	079-72	6-1-8 ₁ 13	-6-9 ₁ 1	5-5-U ₁	21-1-6	26-9-12	29-2-8	36-9-0	J	44-3-8	1
	0-9-12	5-3-12 7-	5-1 '1	-10-7 ¹	5-8-6	5-8-6	2-4-12	7-6-8		7-6-8	
Plate Offs	sets (X,Y)	[5:0-6-0,0-2-4], [13:0-4-0	,0-2-8], [19:0-2	-0,0-1-8]							
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.07 12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	ВС	0.51	Vert(CT)	-0.15 12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.03 11	n/a	n/a		
BCDL	10.0	Code FBC2020/7	PI2014	Matr	ix-AS	, ,				Weight: 244 lb	FT = 20%
										g =	

LUMBER-**BRACING-**

6-3-1

1-10-7

6-10-12

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

7-15: 2x4 SP No.3

WEBS 2x4 SP No.3

1-6-8 1-6-8

7-3-9

TOP CHORD Structural wood sheathing directly applied, except end verticals. **BOT CHORD**

Rigid ceiling directly applied. Except:

7-6-8

6-0-0 oc bracing: 13-15

WEBS 1 Row at midpt 6-16, 9-13

REACTIONS. All bearings 0-3-8 except (jt=length) 11=Mechanical, 21=0-4-0.

Max Horz 2=137(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 11 except 2=-156(LC 12), 21=-120(LC 12), 16=-171(LC 12)

Max Grav All reactions 250 lb or less at joint(s) except 11=476(LC 22), 2=284(LC 1), 21=883(LC 1), 16=1735(LC

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-54/276, 3-4=-757/205, 4-5=-618/233, 6-7=-102/366, 7-9=-99/339

BOT CHORD 20-21=-328/282, 18-20=-248/689, 17-18=-209/529, 7-13=-387/189, 12-13=-128/534,

WEBS 3-21=-889/287, 3-20=0/425, 4-18=-339/81, 5-18=-58/351, 5-17=-437/156, 6-17=-20/437,

6-16=-1636/447, 13-16=-1124/356, 6-13=-201/820, 9-13=-918/191, 9-12=0/332,

9-11=-536/100

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 15-5-0, Exterior(2R) 15-5-0 to 25-3-13, Interior(1) 25-3-13 to 44-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=156, 21=120, 16=171.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

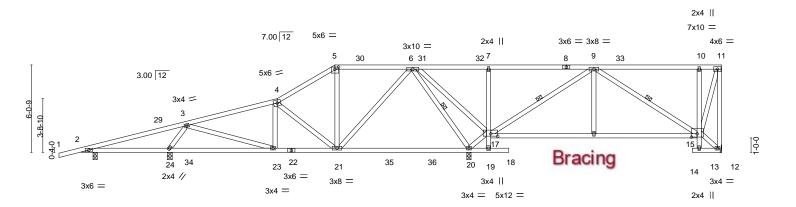


Job Truss Truss Type Qty T25901721 2935497 A05 Half Hip Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:58 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-QpwQvppGjRdmACtV18OmciCK6mwIEj9l9UoAzWyMEyV 1-6-8 28-3-13 35-5-8 42-7-2 44-3-8 6-3-1 3-11-15 5-4-11 5-4-11 7-1-10 7-1-10 1-8-6

Scale = 1:79.7



0 ₁ 9-1 ₂ 0-9-1 ² Plate Offsets (X,Y)		-6-9 5-1 12,0-2-12], [17:	17-6-8 3-11-15 0-5-12,0-2-0]	26-9-12 9-3-4	28-3-13 1-6-1	35-5-8 7-1-10	42-7-2 7-1-10	44-3-8 1-8-6
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2020/Ti	2-0-0 1.25 1.25 YES PI2014	BC		(LL) -0.20 20-21	l/defl L/d >999 240 >749 180 n/a n/a	PLATES MT20 Weight: 269 lb	GRIP 244/190 FT = 20%

TOP CHORD

BOT CHORD

WEBS

LUMBER-BRACING-

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

7-19,10-13: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS.

All bearings 0-3-8 except (jt=length) 12=Mechanical, 24=0-4-0.

Max Horz 2=195(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 12 except 2=-160(LC 12), 24=-118(LC 12), 20=-154(LC 12) Max Grav All reactions 250 lb or less at joint(s) except 12=509(LC 24), 2=292(LC 1), 24=936(LC 17),

20=2021(LC 17)

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

TOP CHORD 2-3=-45/285, 3-4=-792/204, 4-5=-501/179, 5-6=-392/186, 6-7=-154/544, 7-9=-149/526,

2-24=-280/37, 23-24=-385/306, 21-23=-304/784, 7-17=-339/180, 16-17=-99/359, **BOT CHORD**

15-16=-99/359, 10-15=-321/206

WEBS 3-24=-863/274, 3-23=0/501, 4-21=-469/151, 6-21=-165/741, 6-20=-1271/432, 17-20=-864/387, 6-17=-141/449, 9-17=-974/191, 9-16=0/317, 11-15=-145/577

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 17-6-8, Exterior(2R) 17-6-8 to 27-5-5, Interior(1) 27-5-5 to 44-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 2=160, 24=118, 20=154,
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

6-20, 9-17, 9-15

Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 17-19

10-0-0 oc bracing: 13-15

1 Row at midpt

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

November 8,2021

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

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



Job Truss Truss Type Qty T25901722 2935497 A06 GABLE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:03 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nnjJyWtPX_F3HzlSqhzxJlw5IngIvu4UJmVxfkyMEyQ 44-3-8 1-1<u>0-1</u> 24-10-3 Scale = 1:84.3 6-0-1 16-11-15 7x10 5x12 =5x8 Bracing 5x6 = 16 18 18-2-0 7.00 12 4x4 🖊 4x4 / 4x4 / 6 5 10x12 = 3.00 12 Bracing 3x4 = 6-6-15 3-8-10 60 ြို 22 64 27 $_{26}^{25}_{7x10} = Bracing$ 62 29 63 21 20 28 3x6 =3x8 = 6x8 = 3x6 =3x4 =19-6-1 19-5-5 0-10-15 0-0-12 Plate Offsets (X,Y)--[4:0-6-0,0-2-4], [7:0-6-0,0-2-4], [8:0-5-0,0-2-8], [10:0-5-0,0-2-8], [13:0-4-0,0-2-0], [16:0-3-0,0-1-13], [17:0-3-8,0-3-8], [24:0-5-12,0-4-4], [54:0-2-0,0-0-4], [24:0-5-0,0-2-4], [24:0-5-12,0-4-4], [24:0-5-0,0-2-8], [24:0-5-12,0-4-4], [24:0-5-0,0-2-8], [24:0-5-0,0-2-8], [24:0-5-12,0-4-4], [24:0-5-0,0-2-8], [24:0-5-12,0-4-4], [24:0-5-0,0-2-8], [24:0-5LOADING (psf) SPACING-CSI. DEFL. (loc) I/defI L/d **PLATES** GRIP 1.25 -0.09 27-28 TCLL 20.0 Plate Grip DOL TC 0.83 Vert(LL) >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 ВС 0.65 Vert(CT) -0.16 27-28 >999 180 **BCLL** 0.0 Rep Stress Incr NO WB 0.73 Horz(CT) -0.04 19 n/a n/a Code FBC2020/TPI2014 FT = 20% **BCDL** 10.0 Weight: 433 lb Matrix-AS BRACING-LUMBER-TOP CHORD 2x4 SP No.2 *Except* TOP CHORD

BOT CHORD

WEBS

JOINTS

Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 7-16, 6-17. Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 24-26 10-0-0 oc bracing: 20-22

1 Row at midpt 8-27, 13-22, 18-19

1 Brace at Jt(s): 8, 13, 10, 15

All bearings 0-3-8 except (jt=length) 27=0-3-11 (input: 0-3-8), 31=0-4-0, REACTIONS.

19=Mechanical.

2x4 SP No.3 2x4 SP No.3

4-7: 2x6 SP No.2

2x4 SP No.2 *Except*

10-26: 2x4 SP No.3

Max Horz 2=331(LC 11) (lb) -

All uplift 100 lb or less at joint(s) except 2=-154(LC 12), 31=-132(LC 12), Max Uplift

27=-497(LC 12), 19=-269(LC 12)

Max Grav All reactions 250 lb or less at joint(s) except 2=284(LC 1), 31=938(LC 17),

27=3116(LC 17), 19=1124(LC 19)

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

TOP CHORD 2-3=-123/347, 3-4=-848/184, 4-6=-431/151, 6-7=-178/464, 14-16=-281/253,

17-19=-1108/748, 6-8=-608/308, 13-15=-356/375

BOT CHORD 2-31=-368/60, 30-31=-454/314, 28-30=-321/799, 27-28=-374/146, 10-24=-1092/765,

23-24=-350/88, 22-23=-467/517, 15-22=-266/320

WEBS 3-31=-871/278, 3-30=0/511, 8-27=-2369/1452, 24-27=-810/535, 8-24=-548/797,

10-23=-532/1004, 13-22=-311/325, 17-22=-452/661, 16-17=-636/474, 8-28=-334/892, 7-8=-838/515, 9-10=-272/173, 7-10=-381/583, 10-14=-624/363, 14-15=-364/349,

15-16=-299/330, 13-23=-400/421, 6-28=-140/268, 4-28=-541/131

NOTES-

BOT CHORD

WEBS

OTHERS

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 42-5-7, Exterior(2E) 42-5-7 to 44-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOI = 1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2



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

November 8,2021



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

Job	Truss	Truss Type	Qty	Ply	
2935497	A06	GABLE	1	1	T25901722
2000407	7.00	O'NOEE			Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:03 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nnjJyWtPX_F3HzlSqhzxJlw5Inglvu4UJmVxfkyMEyQ

- 9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) WARNING: Required bearing size at joint(s) 27 greater than input bearing size.
- 11) Refer to girder(s) for truss to truss connections.
- 12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 2, 132 lb uplift at joint 31, 497 lb uplift at joint 27 and 269 lb uplift at joint 19.
- 13) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

Vert: 1-4=-54, 4-6=-54, 6-7=-54, 7-16=-54, 16-18=-54, 26-56=-20, 25-26=-20, 22-24=-20, 20-21=-20, 19-20=-20

Trapezoidal Loads (plf)

Vert: 6=-15-to-13=-101, 13=-99-to-17=-45

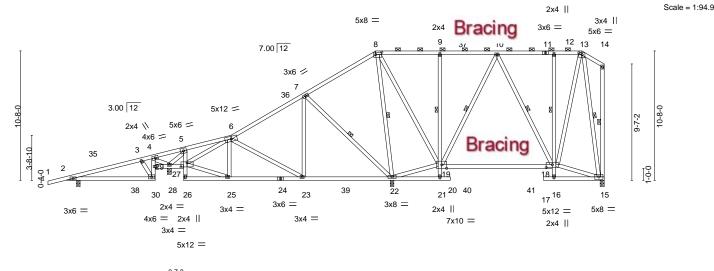


Job Truss Truss Type Qty T25901723 2935497 A07 Piggyback Base 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:05 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied, except end verticals, and

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-j9r4NCuf3bVmWHvrx60PPA?TLbHYNprnm3_1jcyMEyO 19-6-9 5-11-15 30-10-13 5-5-5 40-0-2 4-6-10



		9-7-8							
0 ₁ 9-1 ₁ 2	7-3-8	8-5-8	13-6-9	19-6-9	26-9-12	30-10-13	40-0-2	44-3-8	
0 ¹ 9-1 ¹ 2	6-5-12	1-2-0	3-11-1	5-11-15	7-3-3	4-1-1	9-1-5	4-3-6	
		1-2-0							

Plate Offsets (X,Y)	Plate Offsets (X,Y) [8:0-6-0,0-2-4], [13:0-3-0,0-1-12], [18:0-6-0,0-2-12], [19:0-4-12,Edge], [27:0-6-0,0-4-0]										
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP							
TCLL 20.0	Plate Grip DOL 1.25	TC 0.74	Vert(LL) -0.34 18-19 >618 240	MT20 244/190							
TCDL 7.0	Lumber DOL 1.25	BC 0.92	Vert(CT) -0.53 18-19 >392 180								
BCLL 0.0 *	Rep Stress Incr YES	WB 0.64	Horz(CT) 0.03 15 n/a n/a								
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 347 lb FT = 20%							

LUMBER-BRACING-TOP CHORD

2x4 SP No.2 TOP CHORD

2x4 SP No.2 *Except* **BOT CHORD** 2-0-0 oc purlins (6-0-0 max.): 8-13. 4-30,5-26,9-21,12-16: 2x4 SP No.3 **BOT CHORD** Rigid ceiling directly applied. Except:

WEBS 2x4 SP No.3 1 Row at midpt 9-19, 12-18

2-2-0 oc bracing: 19-21, 16-18

WEBS 1 Row at midpt 7-22, 8-22, 10-19, 10-18, 14-15, 13-15

REACTIONS. All bearings 0-3-8 except (jt=length) 28=0-4-0, 15=0-4-0.

Max Horz 2=363(LC 11) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 15 except 2=-170(LC 12), 28=-179(LC 12), 22=-121(LC 12) Max Grav All reactions 250 lb or less at joint(s) except 2=408(LC 2), 28=933(LC 23), 22=1929(LC 17), 15=629(LC 24)

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

TOP CHORD 2-3=-296/155, 4-5=-388/404, 5-6=-415/13, 6-7=-460/132, 7-8=-119/367,

10-12=-300/175, 12-13=-292/175

BOT CHORD 2-30=-394/151, 29-30=-371/252, 4-29=-340/223, 28-29=-366/98, 27-28=-180/310,

5-27=-24/370, 23-25=-196/598, 22-23=-218/335, 21-22=-310/0, 9-19=-287/171

WEBS 4-28=-346/364, 5-28=-871/197, 25-27=-192/574, 6-27=-313/131, 6-23=-335/86,

7-23=0/456, 7-22=-729/187, 8-22=-1160/354, 8-19=-148/848, 10-19=-312/108,

13-18=-90/540, 3-30=-209/264, 13-15=-618/232, 15-18=-77/359

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 42-5-7, Exterior(2E) 42-5-7 to 44-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 2=170, 28=179, 22=121.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) 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

November 8,2021

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



Job Truss Truss Type Qty T25901724 2935497 A08 Piggyback Base Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:07 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-fYzqouwvbCmUla3D3X2tUb4n0O_brj84ENT8oVyMEyM

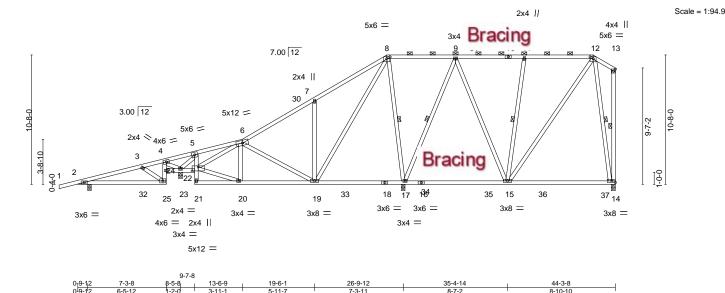


Plate Offsets (X,Y)--[8:0-3-0,0-1-12], [12:0-3-0,0-1-12], [22:0-6-0,0-4-0] SPACING-LOADING (psf) 2-0-0 DEFL. (loc) I/defI L/d **PLATES** GRIP 1.25 TCLL 20.0 Plate Grip DOL TC 0.79 Vert(LL) -0.25 14-15 >816 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 ВС 0.88 Vert(CT) -0.40 14-15 >520 180 **BCLL** 0.0 Rep Stress Incr YES WB 0.66 Horz(CT) -0.01 14 n/a n/a Code FBC2020/TPI2014 FT = 20% **BCDL** 10.0 Weight: 314 lb Matrix-AS

BRACING-LUMBER-

1-2-0

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

4-25,5-21: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except* 12-15: 2x4 SP No.2

TOP CHORD

Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 8-12. **BOT CHORD** Rigid ceiling directly applied.

WEBS 1 Row at midpt 8-17, 9-17, 11-15, 13-14, 12-14

REACTIONS. All bearings 0-3-8 except (jt=length) 23=0-4-0, 14=0-4-0.

Max Horz 2=363(LC 11) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 14 except 2=-166(LC 12), 23=-174(LC 12), 17=-151(LC 12) Max Grav All reactions 250 lb or less at joint(s) except 2=400(LC 2), 23=936(LC 23), 17=1959(LC 17), 14=639(LC 24)

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

TOP CHORD 2-3=-298/155, 4-5=-437/463, 5-6=-376/16, 6-7=-438/104, 7-8=-417/255, 8-9=-71/302,

9-11=-296/191, 11-12=-332/212

BOT CHORD 2-25=-407/158, 24-25=-268/188, 23-24=-320/60, 22-23=-130/257, 5-22=-19/375,

19-20=-168/576, 17-19=-268/161

WEBS 4-23=-350/367, 5-23=-878/193, 20-22=-168/557, 6-22=-332/144, 6-19=-333/80, 7-19=-367/304, 8-19=-240/891, 8-17=-903/365, 9-17=-757/205, 9-15=-28/477,

11-15=-323/196, 12-15=-70/336, 12-14=-465/292

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-2-5, Interior(1) 5-2-5 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 42-5-7, Exterior(2E) 42-5-7 to 44-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=166, 23=174, 17=151.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) 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



Job Truss Truss Type Qty T25901725 2935497 A09 Piggyback Base 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:09 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied, except end verticals, and

8-17, 9-15, 11-15, 13-14, 12-14

2-0-0 oc purlins (4-11-13 max.): 8-12.

Rigid ceiling directly applied.

1 Row at midpt

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-cx4aCZxA7q0C?uCcAx4LZ0A80ChPJajMhhyFsNyMEyK 31-1-8 5-8-0

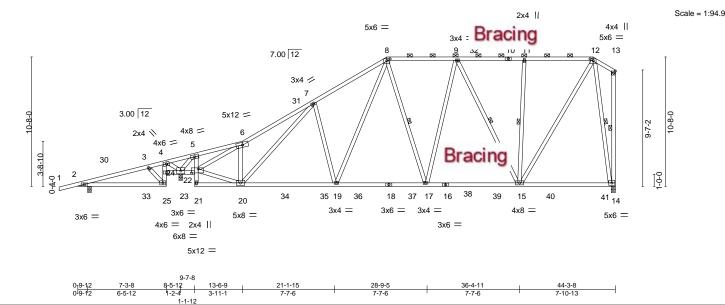


Plate Offsets (X,Y)-- [8:0-3-0,0-1-12], [12:0-3-0,0-1-12], [22:0-6-12,0-4-0]

LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	CSI. TC 0.76	DEFL. in (loc) I/defl L/d Vert(LL) -0.18 14-15 >999 240	PLATES GRIP MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.80	Vert(CT) -0.30 19-20 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT) 0.03 14 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 315 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2

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

4-25,5-21: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS. (size) 2=0-3-8, 23=0-3-8, 14=0-4-0

Max Horz 2=363(LC 11)

Max Uplift 2=-162(LC 12), 23=-253(LC 12), 14=-130(LC 12) Max Grav 2=341(LC 21), 23=1990(LC 17), 14=1578(LC 17)

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

TOP CHORD $2\text{-}3\text{--}170/261,\ 3\text{-}4\text{--}245/329,\ 4\text{-}5\text{--}477/834,\ 5\text{-}6\text{--}886/54,\ 6\text{-}7\text{--}2154/437,}$ 7-8=-1969/499, 8-9=-1334/400, 9-11=-979/330, 11-12=-990/336

BOT CHORD 2-25=-361/39, 24-25=-310/189, 4-24=-273/159, 23-24=-573/56, 22-23=-280/789,

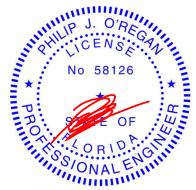
5-22=-189/1188, 19-20=-542/1805, 17-19=-431/1406, 15-17=-384/1305, 14-15=-148/285 WEBS

4-23=-317/356, 5-23=-2253/485, 20-22=-448/1889, 6-22=-1193/278, 6-20=-480/181,

7-19=-397/237, 8-19=-148/794, 9-17=-40/384, 9-15=-703/202, 11-15=-322/195,

12-15=-302/1443, 12-14=-1446/507

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 42-5-7, Exterior(2E) 42-5-7 to 44-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=162, 23=253, 14=130.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) 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

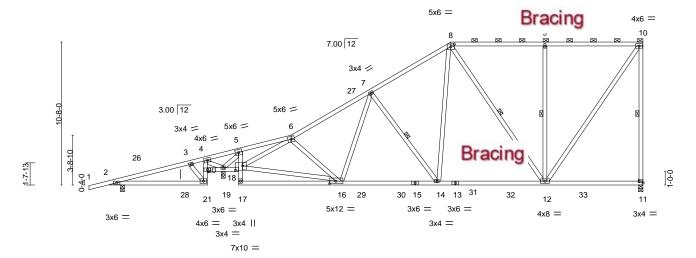


Job Truss Truss Type Qty T25901726 2935497 A10 Piggyback Base 3 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:11 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YJCLdFzQfRGwECM?IM7peRFR5?N7nT5f9?RMxGyMEyI

Scale = 1:86.0



		9-7-8				
0 ₁ 9-1 ₁ 2	7-3-8	8-5-12 _I	17-1-2	24-6-12	32-5-12	39-9-8
0 [[] 9-1 ²	6-5-12	1-2-4	7-5-10	7-5-10	7-11-0	7-3-12
		1-1-12				
[8.0-3-0 0-2	-5] [11:Edae	0-1-8] [16:0-5-	9 0-2-41 [18:0-6-8 0-4	L-O1		

Plate Off	sels (A, f)	[6.0-3-0,0-2-5], [11.Euge,0-1	1-0], [10.0-5-	9,0-2-4], [10	.0-0-0,0-4-0]						
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.14 12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.24 12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.03 11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2	2014	Matri	x-AS					Weight: 264 lb	FT = 20%

LUMBER-

Plata Officate (V V)

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

4-21,5-17: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except*

10-11,8-12,10-12: 2x4 SP No.2

BRACING-TOP CHORD

Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (6-0-0 max.): 8-10. Rigid ceiling directly applied.

BOT CHORD WEBS 10-11, 7-14, 8-12, 9-12 1 Row at midpt

REACTIONS. (size) 11=0-4-0, 2=0-3-8, 19=0-3-8

Max Horz 2=376(LC 11)

Max Uplift 11=-118(LC 9), 2=-164(LC 12), 19=-232(LC 12) Max Grav 11=1391(LC 17), 2=364(LC 2), 19=1737(LC 17)

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

TOP CHORD 3-4=-269/310, 4-5=-484/668, 5-6=-752/37, 6-7=-1745/332, 7-8=-1326/361,

8-9=-796/302, 9-10=-796/302, 10-11=-1237/346

2-21=-384/85, 20-21=-347/206, 4-20=-310/154, 19-20=-427/33, 18-19=-265/664, **BOT CHORD** 5-18=-134/960, 16-17=-11/262, 14-16=-488/1465, 12-14=-372/1085

4-19=-303/359, 5-19=-1841/394, 16-18=-507/1590, 6-18=-1315/332, 6-16=-371/155,

WEBS

7-16=0/346, 7-14=-528/192, 8-14=-66/767, 8-12=-501/184, 9-12=-433/237,

10-12=-328/1342

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-12, Interior(1) 32-5-12 to 39-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=118, 2=164, 19=232.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 8) 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



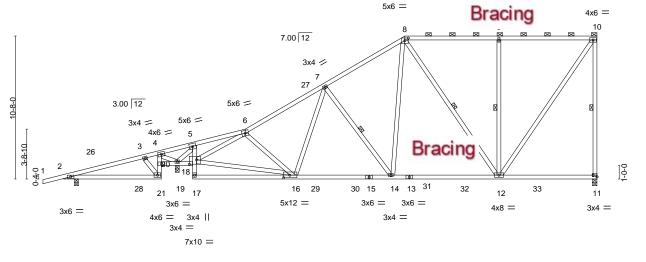


Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0Vmjrb_2QlOnsLxBs4e2BfocrPjMWwLpNfBvTiyMEyH

25-5-8 5-11-7 32-5-12 7-0-4





		9-7-8				
0 _t 9-1 _i 2	7-3-8	8-5-12 I	17-1-2	24-6-12	32-5-12	39-9-8
0 ¹ 9-12	6-5-12	1-2-4	7-5-10	7-5-10	7-11-0	7-3-12
		4 4 40				

Plate Off	sets (X,Y)	[8:0-3-0,0-2-5], [11:Edge,0)-1-8 <u>], [16:</u> 0-5-	9,0-2-4], [18	:0-6-8,0-4-0]						
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	-0.14 12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.24 12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.03 11	n/a	n/a		
BCDL	10.0	Code FBC2020/TP	PI2014	Matrix	k-AS	, ,				Weight: 264 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

2x4 SP No.2 TOP CHORD

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

4-21,5-17: 2x4 SP No.3

WEBS 2x4 SP No.3 *Except* 10-11,8-12,10-12: 2x4 SP No.2

REACTIONS. (size) 11=0-4-0, 2=0-3-8, 19=0-3-8

Max Horz 2=376(LC 11)

Max Uplift 11=-118(LC 9), 2=-164(LC 12), 19=-232(LC 12) Max Grav 11=1391(LC 17), 2=364(LC 2), 19=1737(LC 17)

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

TOP CHORD 3-4=-269/310, 4-5=-484/668, 5-6=-752/37, 6-7=-1745/332, 7-8=-1326/361,

8-9=-796/302, 9-10=-796/302, 10-11=-1237/346

2-21=-384/85, 20-21=-347/206, 4-20=-310/154, 19-20=-427/33, 18-19=-265/664, **BOT CHORD**

5-18=-134/960, 16-17=-11/262, 14-16=-488/1465, 12-14=-372/1085

WEBS 4-19=-303/359, 5-19=-1841/394, 16-18=-507/1590, 6-18=-1315/332, 6-16=-371/155,

7-16=0/346, 7-14=-528/192, 8-14=-66/767, 8-12=-501/184, 9-12=-433/237,

10-12=-328/1342

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-12, Interior(1) 32-5-12 to 39-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=118, 2=164, 19=232.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Structural wood sheathing directly applied, except end verticals, and

10-11, 7-14, 8-12, 9-12

2-0-0 oc purlins (6-0-0 max.): 8-10.

Rigid ceiling directly applied.

1 Row at midpt

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

November 8,2021

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

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





11-7-8 13-6-9 2-4-0 1-11-1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied, except end verticals, and

10-11, 7-15, 8-12, 9-11

2-0-0 oc purlins (6-0-0 max.): 8-10.

Rigid ceiling directly applied.

1 Row at midpt

Scale = 1:86.0

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-yuuTGH?lxMeV5f5azVgWG4txRDLI_rg6rzg0XbyMEyF 25-5-8 5-11-7 32-5-12 7-0-4

5x6 = Bracing 3x4 =10 8 7.00 12 3x4 // 26 3.00 12 5x12 = 6x8 = 5x6 = 5 3x6 =3 Bracing 25 Bracing [] 27 1330 18 28 29 31 1232 33 20 16 11 3x6 =3x4 = 5x6 2x4 3x8 = 3x6 = 6x8 3x4 3x8 = 5x12 4x12 =

11-7-8 13-6-9 0-9-12 0-9-12 9-3-8 8-5-12 1-2-0

Plate Offsets (X,Y)	[8:0-3-0,0-1-12], [10:Edge,0-1-8], [17:0-6-0,0-4-4]

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 0.97	Vert(LL) 0.22 20-24 >580 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.98	Vert(CT) -0.44 11-12 >802 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.86	Horz(CT) 0.03 11 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 260 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

2x4 SP No.2 TOP CHORD

BOT CHORD 2x4 SP No.2 *Except*

4-20,5-16: 2x4 SP No.3

2x4 SP No.3 *Except* WEBS 9-11: 2x4 SP No.2

REACTIONS. (size) 11=0-4-0, 2=0-3-8, 18=0-4-0

Max Horz 2=376(LC 11)

Max Uplift 11=-121(LC 9), 2=-185(LC 12), 18=-262(LC 12) Max Grav 11=1295(LC 17), 2=426(LC 2), 18=1783(LC 17)

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

TOP CHORD 2-3=-213/263, 3-4=-98/541, 4-5=-318/707, 5-6=-406/0, 6-7=-1095/218, 7-8=-1296/356,

8-9=-817/292

BOT CHORD 2-20=-590/183, 19-20=-380/123, 4-19=-329/175, 18-19=-589/70, 17-18=-330/348,

5-17=-194/1125, 14-15=-455/1194, 12-14=-359/952, 11-12=-269/734

4-18=-300/409, 5-18=-1691/326, 15-17=-321/1126, 6-17=-825/203, 7-15=-436/228, WFBS 8-14=-85/582, 9-12=-36/648, 9-11=-1214/333, 3-19=-664/207, 3-20=-136/341

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-6-1, Interior(1) 32-6-1 to 39-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=121, 2=185, 18=262.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 8) 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





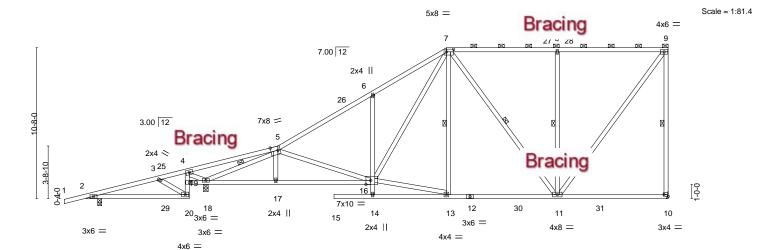
6-6-11

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Q4SsTd0wigmMjpgmXCBlpHQ6ydk8jGOF4dPZ41yMEyE 25-5-8

7-10-0

Structural wood sheathing directly applied, except end verticals, and

7-10-0



5-4-4

	019	I-1 ₁ 2	8-5-8 13-6	-9 _I	20-1-4	1 25-5-8	1		33-3-8	1	41-1-8	1
	0-9	-1 ¹ 2 6-5-12	1-2-d 5-1	1 '	6-6-11	5-4-4	1		7-10-0	ı	7-10-0	7
Plate Offse	ets (X,Y)	[5:0-6-0,Edge], [7:0-6-0,	0-2-4], [10:Ed	ge,0-1-8], [16:	:0-4-0,Edge]							
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	-0.20	15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.78	Vert(CT)	-0.36	15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.07	10	n/a	n/a		
BCDL	10.0	Code FBC2020/	TPI2014	Matr	ix-AS	` ,					Weight: 277 lb	FT = 20%
											"	

LUMBER-BRACING-TOP CHORD

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

2-3-8

6-3-1

2-0-0 oc purlins (5-8-6 max.): 7-9. 4-20,6-14: 2x4 SP No.3 **BOT CHORD**

Rigid ceiling directly applied. Except: 2x4 SP No.3 *Except* 10-0-0 oc bracing: 14-16 WEBS

9-10,7-11,9-11: 2x4 SP No.2 **WEBS** 1 Row at midpt

9-10, 5-18, 7-13, 7-11, 8-11

REACTIONS. (size) 10=Mechanical, 2=0-3-8, 18=0-4-0 Max Horz 2=376(LC 11)

Max Uplift 10=-112(LC 9), 2=-165(LC 12), 18=-213(LC 12) Max Grav 10=1464(LC 17), 2=374(LC 2), 18=1815(LC 17)

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

3-4=-275/295, 4-5=-480/537, 5-6=-2107/344, 6-7=-2115/475, 7-8=-890/312, 8-9=-890/312, 9-10=-1298/346

BOT CHORD 2-20=-417/120, 18-19=-449/114, 17-18=-559/2534, 16-17=-564/2523, 6-16=-351/297,

11-13=-375/1216 WFBS

4-18=-510/521, 5-18=-3220/616, 5-16=-698/128, 13-16=-310/1295, 7-16=-304/1287, 7-11=-523/161, 8-11=-482/258, 9-11=-328/1438

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 40-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=112, 2=165, 18=213.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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





Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied, except end verticals, and

9-10, 5-18, 7-13, 7-11, 8-11

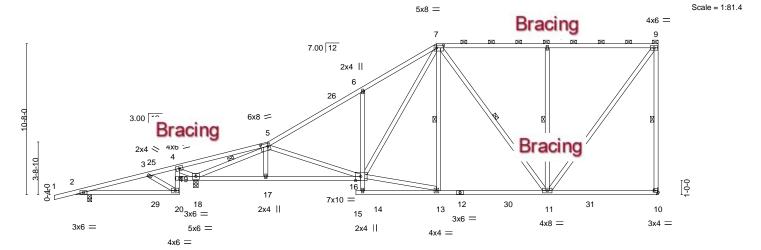
2-0-0 oc purlins (5-9-2 max.): 7-9.

10-0-0 oc bracing: 14-16

1 Row at midpt

Rigid ceiling directly applied. Except:

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-uH0Ehz1ZTzuDKzFy5wi_LVyH004YSj9OIH97cTyMEyD 41-1-8 25-5-8 2-3-8 6-3-1 6-6-11 5-4-4 7-10-0 7-10-0



	U ₁ 9	-1 ₁ 2 /-3-8	8-5-8 1 <i>3-</i> 6-	9 1 20-1-4	1 25-5-8	1 33-3-8	41-1-8	1
	0-9	-1 ¹ 2 6-5-12	1-2-0 5-1-1	6-6-11	5-4-4	7-10-0	7-10-0	<u> </u>
Plate Offse	ets (X,Y)	[5:0-6-0,0-2-8], [7:0-6-0,	0-2-4], [10:Edg	e,0-1-8], [16:0-4-8,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 0.96	Vert(LL) -0.	18 16-17 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.77	Vert(CT) -0.3	33 16-17 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.99	Horz(CT) 0.0	07 10 n/a n/a		
BCDL	10.0	Code FBC2020/	TPI2014	Matrix-AS	, ,		Weight: 273 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

2x4 SP No.2 TOP CHORD

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

4-20,6-14: 2x4 SP No.3 2x4 SP No.3 *Except* WEBS

9-10,7-11,9-11: 2x4 SP No.2

REACTIONS. (size) 10=Mechanical, 2=0-3-8, 18=0-4-0

Max Horz 2=376(LC 11)

Max Uplift 10=-120(LC 9), 2=-164(LC 12), 18=-233(LC 12) Max Grav 10=1440(LC 17), 2=377(LC 2), 18=1758(LC 17)

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

TOP CHORD 3-4=-278/290, 4-5=-485/524, 5-6=-1992/383, 6-7=-2000/514, 7-8=-872/318,

8-9=-872/318, 9-10=-1273/354

BOT CHORD 2-20=-414/125, 18-19=-444/123, 17-18=-594/2430, 16-17=-600/2418, 6-16=-350/297,

11-13=-387/1181

WFBS 4-18=-512/521, 5-18=-3090/661, 5-16=-692/130, 13-16=-356/1162, 7-16=-349/1157,

7-11=-494/171, 8-11=-482/258, 9-11=-339/1408

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 40-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=120, 2=164, 18=233.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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

November 8,2021

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

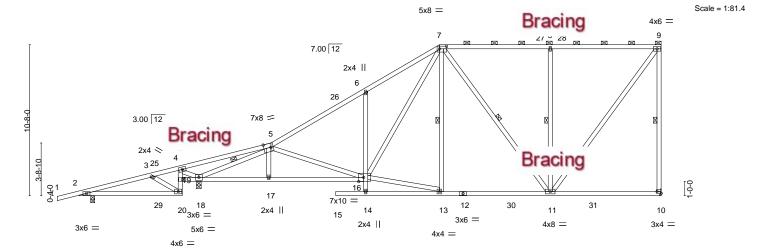
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rf7_5e2p?b8waGOLCKISQw1dHqlvwd?hmbeDhMyMEyB 25-5-8 2-3-8 6-3-1 6-6-11 5-4-4 7-10-0 7-10-0



	0 ₁ 9-1 ₁ 2	7-3-8	β-5-8 13-6-9) 1	20-1-4	25-5-8	1	33-3-8	1	41-1-8	T.
	0-9-12	6-5-12	1-2-0 5-1-1	ı	6-6-11	5-4-4	1	7-10-0		7-10-0	1
Plate Offsets (X,Y)	[5:0-6-	0,Edge], [7:0-6-0,	0-2-4], [10:Edge	e,0-1-8], [16:	0-4-4,Edge]						
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 *		SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.98 0.77 0.97	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc -0.18 16-17 -0.34 16-17 0.07 10	>999 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCDL 10.0		Code FBC2020/7			ix-AS	HOIZ(C1)	0.07 10) n/a	n/a	Weight: 276 lb	FT = 20%

LUMBER-BRACING-

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

4-20,6-14: 2x4 SP No.3 2x4 SP No.3 *Except*

WEBS 9-10,7-11,9-11: 2x4 SP No.2 TOP CHORD

Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (5-8-9 max.): 7-9. **BOT CHORD** Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 14-16

WEBS 9-10, 5-18, 7-13, 7-11, 8-11 1 Row at midpt

REACTIONS. (size) 10=Mechanical, 2=0-3-8, 18=0-4-0

Max Horz 2=376(LC 11)

Max Uplift 10=-114(LC 9), 2=-165(LC 12), 18=-219(LC 12) Max Grav 10=1458(LC 17), 2=375(LC 2), 18=1799(LC 17)

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

TOP CHORD 3-4=-276/293, 4-5=-482/533, 5-6=-2074/355, 6-7=-2082/486, 7-8=-885/313,

8-9=-885/313, 9-10=-1292/348

BOT CHORD 2-20=-416/122, 18-19=-447/117, 17-18=-569/2505, 16-17=-574/2493, 6-16=-350/297,

11-13=-378/1207

4-18=-511/521, 5-18=-3183/629, 5-16=-697/129, 13-16=-327/1245, 7-16=-318/1247,

7-11=-516/163, 8-11=-482/258, 9-11=-331/1430

NOTES-

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 40-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=114, 2=165, 18=219.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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

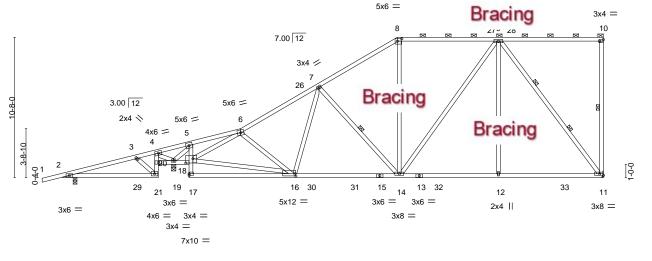


Job Truss Truss Type Qty T25901732 2935497 A16 Piggyback Base 1 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:19 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-JshMJ_3RmuGnBQzXm2Ghz7apjE5_f7fr_FNnDoyMEyA 33-1-12 7-8-4

Scale = 1:87.6



		9-7-8					
0 _f 9-1 _f 2	7-3-8	8-5-8 _{1 1}	17-5-2	25-5-8	33-1-12	41-1-8	1
0 ¹ 9-1 ²	6-5-12	1-2-0	7-9-10	8-0-6	7-8-4	7-11-12	7
		1-2-0					

Plate Offsets (X,Y)	8:0-4-0,0-2-4], [10:Edge,0-1-8], [16:0-0	-15,0-2-0], [18:0-6-8,0-4-0]			
LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	CSI. TC 0.93	DEFL. in (loc) Vert(LL) -0.17 11-12	l/defl L/d >999 240	PLATES GRIP MT20 244/190
TCDL 7.0 BCLL 0.0 * BCDL 10.0	Lumber DOL 1.25 Rep Stress Incr YES Code FBC2020/TPI2014	BC 0.78 WB 0.81 Matrix-AS	Vert(CT) -0.29 11-12 Horz(CT) 0.04 11	>999 180 n/a n/a	Weight: 271 lb FT = 20%

LUMBER-

2x4 SP No.2 TOP CHORD

BOT CHORD 2x4 SP No.2 *Except*

4-21,5-17: 2x4 SP No.3 2x4 SP No.3 *Except*

WEBS 9-14,9-11: 2x4 SP No.2 BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (5-0-6 max.): 8-10. **BOT CHORD** Rigid ceiling directly applied.

WEBS 1 Row at midpt 10-11, 7-14 2 Rows at 1/3 pts 9-11

REACTIONS. (size) 11=Mechanical, 2=0-3-8, 19=0-4-0

Max Horz 2=376(LC 11)

Max Uplift 11=-123(LC 9), 2=-163(LC 12), 19=-238(LC 12) Max Grav 11=1448(LC 17), 2=361(LC 2), 19=1798(LC 17)

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

TOP CHORD 3-4=-290/326, 4-5=-499/678, 5-6=-811/44, 6-7=-1852/348, 7-8=-1366/370,

8-9=-1137/367

2-21=-391/91, 20-21=-297/190, 4-20=-258/137, 19-20=-436/38, 18-19=-268/726, **BOT CHORD**

5-18=-146/1001, 16-17=-13/280, 14-16=-506/1563, 12-14=-289/920, 11-12=-289/920 4-19=-295/354, 5-19=-1934/416, 16-18=-529/1692, 6-18=-1388/349, 6-16=-392/160,

7-16=0/375, 7-14=-565/183, 8-14=0/383, 9-14=-168/463, 9-12=0/478, 9-11=-1454/342

NOTES-

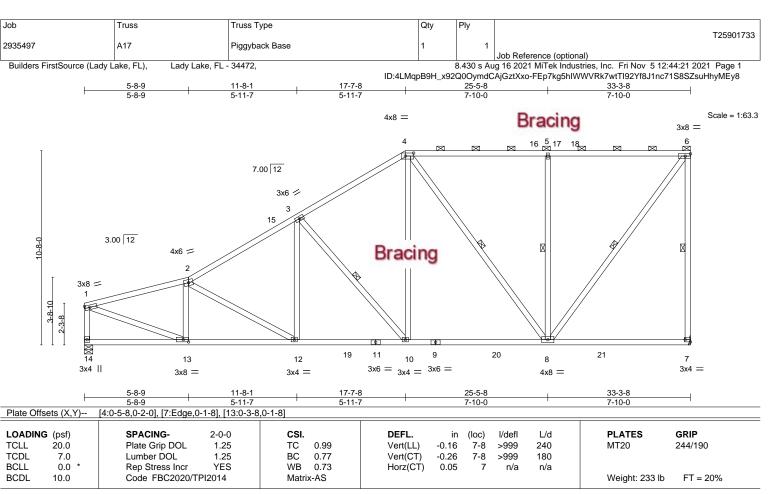
WFBS

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-6-7, Interior(1) 5-6-7 to 25-5-8, Exterior(2R) 25-5-8 to 32-5-8, Interior(1) 32-5-8 to 40-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=123, 2=163, 19=238.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) 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





LUMBER-

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

2x4 SP No.3 *Except* 6-7,4-8,6-8: 2x4 SP No.2 BRACING-

TOP CHORD

Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (5-7-10 max.): 4-6. Rigid ceiling directly applied.

BOT CHORD WEBS 6-7, 3-10, 4-8, 5-8, 6-8 1 Row at midpt

REACTIONS. (size) 7=Mechanical, 14=0-5-8

Max Horz 14=353(LC 11)

Max Uplift 7=-141(LC 9), 14=-113(LC 12) Max Grav 7=1498(LC 17), 14=1420(LC 17)

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

1-2=-2070/379, 2-3=-1948/410, 3-4=-1444/396, 4-5=-895/332, 5-6=-895/332, TOP CHORD

6-7=-1331/394 1-14=-1327/291

BOT CHORD 13-14=-534/385, 12-13=-737/2120, 10-12=-623/1737, 8-10=-452/1268 **WEBS** 2-13=-504/204, 2-12=-441/132, 3-12=0/458, 3-10=-724/259, 4-10=-118/843,

4-8=-570/224, 5-8=-482/256, 6-8=-389/1479, 1-13=-354/2005

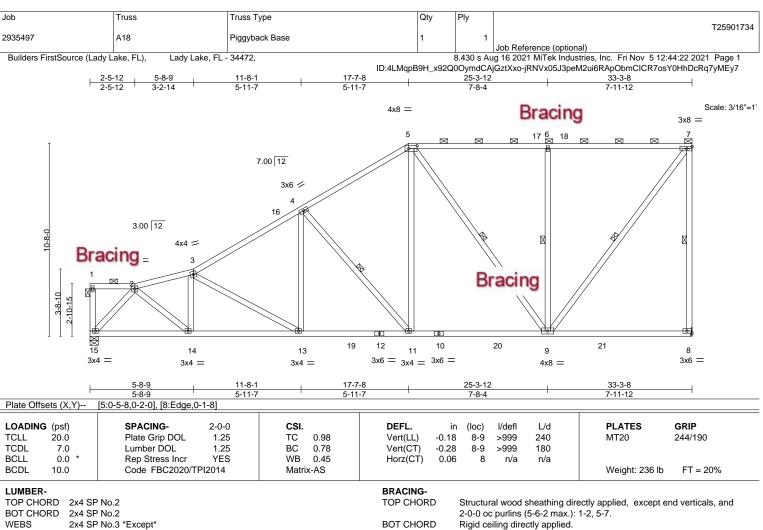
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 5-8-9, Interior(1) 5-8-9 to 17-7-8, Exterior(2R) 17-7-8 to 24-7-8, Interior(1) 24-7-8 to 33-1-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=141 14=113
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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







WEBS

1 Row at midpt

REACTIONS.

7-8,5-9,7-9: 2x4 SP No.2

Max Horz 15=353(LC 9) Max Uplift 15=-113(LC 12), 8=-141(LC 9)

Max Grav 15=1416(LC 17), 8=1498(LC 17)

(size) 15=0-5-8, 8=Mechanical

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2052/353, 3-4=-1949/396, 4-5=-1444/391, 5-6=-905/331, 6-7=-905/331,

7-8=-1327/395

BOT CHORD 14-15=-663/1300, 13-14=-731/2122, 11-13=-622/1739, 9-11=-452/1267 **WEBS** 2-15=-1691/343, 2-14=-163/1050, 3-14=-471/183, 3-13=-441/125, 4-13=0/457, 4-11=-729/260, 5-11=-121/841, 5-9=-555/220, 6-9=-483/256, 7-9=-389/1479

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 2-5-12, Interior(1) 2-5-12 to 17-7-8, Exterior(2R) 17-7-8 to 24-7-8, Interior(1) 24-7-8 to 33-1-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=113 8=141
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



7-8, 4-11, 5-9, 6-9, 7-9

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

November 8,2021

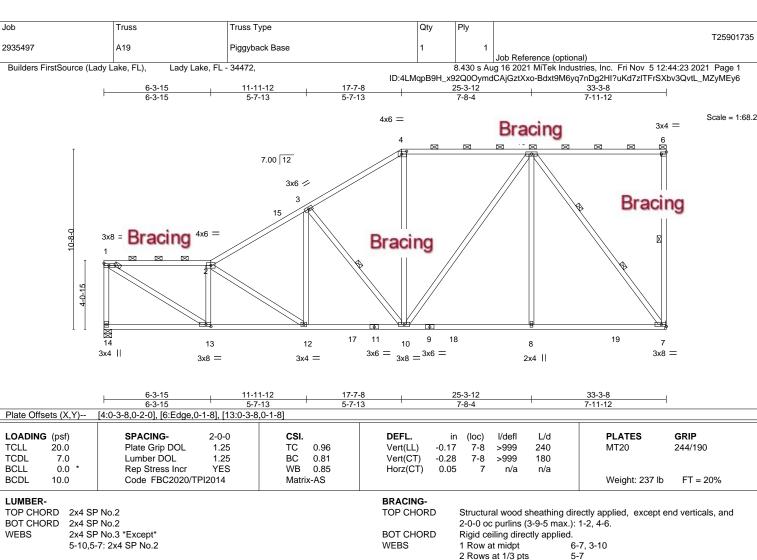


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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

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





REACTIONS. (size) 14=0-5-8, 7=Mechanical

Max Horz 14=353(LC 9)

Max Uplift 14=-114(LC 12), 7=-141(LC 9) Max Grav 14=1405(LC 17), 7=1498(LC 17)

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

1-14=-1304/192, 1-2=-1938/191, 2-3=-1917/251, 3-4=-1439/273, 4-5=-1205/273 TOP CHORD **BOT CHORD** 13-14=-440/407, 12-13=-532/2089, 10-12=-452/1710, 8-10=-240/959, 7-8=-240/959 **WEBS** $1 - 13 = -254/2192, \ 2 - 13 = -953/218, \ 2 - 12 = -456/96, \ 3 - 12 = 0/476, \ 3 - 10 = -717/181, \ 4 - 10 = 0/404,$

5-10=-164/512, 5-8=0/491, 5-7=-1519/259

NOTES-

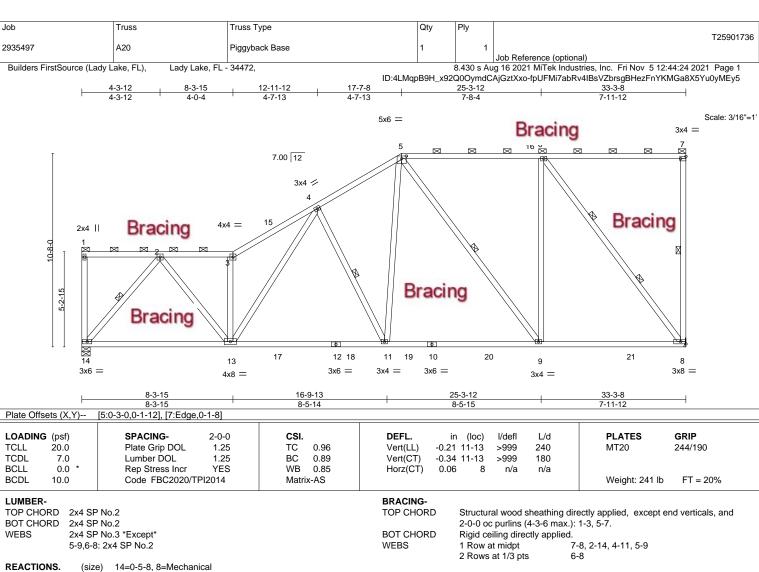
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 6-3-15, Interior(1) 6-3-15 to 17-7-8, Exterior(2R) 17-7-8 to 24-7-8, Interior(1) 24-7-8 to 33-1-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=114. 7=141.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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







LUMBER-

BOT CHORD

(size) 14=0-5-8, 8=Mechanical

Max Horz 14=350(LC 9)

Max Uplift 14=-115(LC 12), 8=-140(LC 9) Max Grav 14=1414(LC 17), 8=1501(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. $2\hbox{-}3\hbox{--}1876/183, 3\hbox{-}4\hbox{--}2267/268, 4\hbox{-}5\hbox{--}1547/270, 5\hbox{-}6\hbox{--}937/245}$ TOP CHORD **BOT CHORD** 13-14=-484/1190, 11-13=-440/1625, 9-11=-339/1285, 8-9=-240/963

WEBS 2-14=-1572/236, 2-13=-103/1283, 3-13=-1300/208, 4-13=-98/739, 4-11=-597/209,

5-11=-90/924, 5-9=-541/165, 6-9=-9/818, 6-8=-1525/259

NOTES-

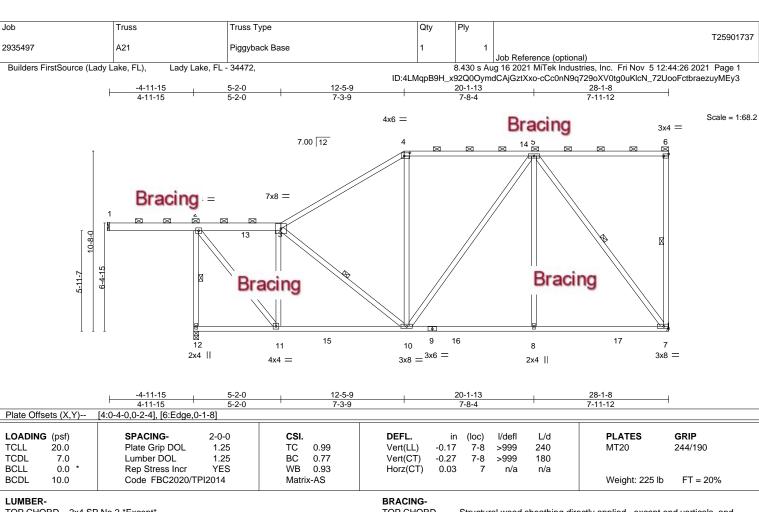
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 7-1-12, Interior(1) 7-1-12 to 17-7-8, Exterior(2R) 17-7-8 to 24-7-8, Interior(1) 24-7-8 to 33-1-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=115. 8=140.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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







2x4 SP No.2 *Except* TOP CHORD

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

5-10,5-7: 2x4 SP No.2

TOP CHORD Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (5-9-14 max.): 1-3, 4-6.

BOT CHORD Rigid ceiling directly applied. **WEBS**

1 Row at midpt 2-12, 6-7, 3-10, 5-7

REACTIONS. (size) 12=0-3-8, 1=Mechanical, 7=Mechanical

Max Horz 12=347(LC 9)

Max Uplift 12=-148(LC 12), 1=-46(LC 12), 7=-149(LC 9) Max Grav 12=1339(LC 18), 1=106(LC 1), 7=1270(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-12=-1279/248, 2-3=-888/137, 3-4=-1070/184, 4-5=-875/206 **BOT CHORD** 11-12=-419/380, 10-11=-451/998, 8-10=-237/785, 7-8=-237/785 **WEBS** 2-11=-190/1309, 3-11=-739/235, 5-8=0/483, 5-7=-1229/247

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -4-11-3 to 2-0-13, Interior(1) 2-0-13 to 5-2-0, Exterior(2E) 5-2-0 to 12-5-9, Exterior(2R) 12-5-9 to 19-5-9, Interior(1) 19-5-9 to 27-11-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 12=148 7=149
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 11) 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



Job Truss Truss Type Qty T25901738 2935497 A22 Piggyback Base Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:28 2021 Page 1

5-3-9

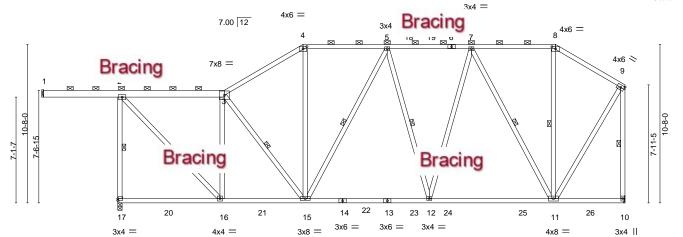
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

4-11-14

7-2-1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YakmC3A4efPWmp9GoRwpq1SQDs8zGA09383l1nyMEy1 34-1-10 18-1-9 23-9-9 29-5-9 5-8-0 5-8-0 5-8-0 4-8-1

Scale = 1:77.5



		-4-11-14	7-2-1	12-5-10	20-11-9	29-5-9	34-1-10	I
		4-11-14	7-2-1	5-3-9	8-5-15	8-6-0	4-8-1	<u> </u>
Plate Offse	ets (X,Y)	[4:0-3-0,0-1-12], [8:0-3-0	,0-1-12]					
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc	e) I/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL) -0.19 12-19	>999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.92	Vert(CT) -0.32 12-19	5 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.87	Horz(CT) 0.04 1	0 n/a n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix-AS			Weight: 289 lb	FT = 20%

LUMBER-

WEBS

TOP CHORD 2x4 SP No.2 *Except*

1-3: 2x6 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied, except end verticals, and

2-17, 3-15, 5-15, 5-12, 7-11, 8-11, 9-10

2-0-0 oc purlins (5-3-7 max.): 1-3, 4-8.

BOT CHORD Rigid ceiling directly applied. **WEBS** 1 Row at midpt

REACTIONS. (size) 17=0-3-8, 1=Mechanical, 10=Mechanical

Max Horz 17=308(LC 11)

Max Uplift 17=-180(LC 12), 1=-42(LC 12), 10=-124(LC 12) Max Grav 17=1651(LC 18), 1=87(LC 21), 10=1491(LC 17)

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

TOP CHORD 2-17=-1501/308, 2-3=-1187/202, 3-4=-1413/238, 4-5=-1188/248, 5-7=-1186/226,

7-8=-658/196, 8-9=-798/200, 9-10=-1416/229

BOT CHORD 16-17=-277/275, 15-16=-359/1291, 12-15=-286/1292, 11-12=-246/1086 2-16=-223/1591, 3-16=-894/247, 4-15=-1/436, 7-12=-23/602, 7-11=-957/187, **WEBS**

9-11=-185/1176

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -4-11-2 to 2-0-14, Interior(1) 2-0-14 to 12-5-10, Exterior(2R) 12-5-10 to 19-5-10, Interior(1) 19-5-10 to 29-5-9, Exterior(2E) 29-5-9 to 33-11-14 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 17=180, 10=124.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 11) 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

November 8,2021

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

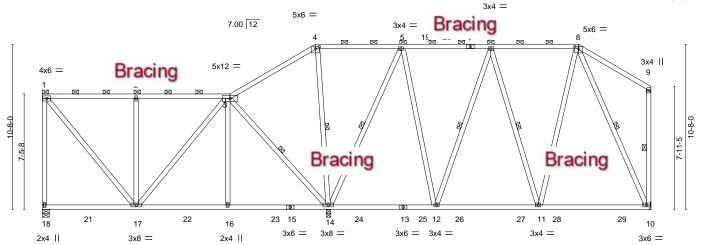
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty T25901739 2935497 A23 Piggyback Base 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:29 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0nl8PPBiPzXNOzkSL8R2NE?ckGZc?hMJlooJZDyMEy0 28-11-7 23-3-8 34-7-7 39-3-8 6-0-12 6-0-12 5-6-1 5-8-0 5-8-0 5-8-0 4-8-1

Scale = 1:74.4



	6-0-12 6-0-12	12-1-7 6-0-12		8-5-8 6-4-0	18-5-12 0-0-4	25-3-10 6-9-14		+	32-1 6-10		39-3-8 7-1-11	—
Plate Offsets (X,Y)	[4:0-3-0,0-1-12], [8:0-3-0),0-1-12]										
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr Code FBC2020/1	2-0-0 1.25 1.25 YES FPI2014	CSI. TC BC WB Matri	0.51 0.57 0.61	,	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.12 10 -0.18 10 0.01		l/defl >999 >999 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 312 lb	GRIP 244/190

BRACING-

TOP CHORD

BOT CHORD

WEBS

2-0-0 oc purlins (6-0-0 max.): 1-3, 4-8.

Rigid ceiling directly applied.

1 Row at midpt

3-14, 4-14, 5-14, 7-12, 7-11, 9-10, 8-10

Structural wood sheathing directly applied, except end verticals, and

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

(size) 18=0-5-8, 14=0-3-8, 10=Mechanical

Max Horz 18=309(LC 11)

Max Uplift 18=-100(LC 8), 14=-169(LC 12), 10=-64(LC 12) Max Grav 18=673(LC 18), 14=2109(LC 17), 10=796(LC 24)

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

TOP CHORD 1-18=-548/144, 1-2=-366/111, 2-3=-366/111, 3-4=-77/393, 4-5=-16/313, 5-7=-289/169,

7-8=-401/175

BOT CHORD 17-18=-277/259, 16-17=-145/296, 14-16=-147/290, 11-12=-113/358, 10-11=-106/291

1-17=-131/568, 2-17=-361/144, 3-16=0/326, 3-14=-758/162, 4-14=-437/164, 5-14=-933/133, 5-12=-8/596, 7-12=-309/91, 8-11=0/360, 8-10=-618/121

NOTES-

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 7-1-12, Interior(1) 7-1-12 to 17-7-8, Exterior(2R) 17-7-8 to 24-7-8, Interior(1) 24-7-8 to 34-7-7, Exterior(2E) 34-7-7 to 39-1-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 18=100, 14=169,
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) 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



Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vYXfFnEDTC1ota2Da_W_X49I1ttExVsvCQmWh_yMExy

Structural wood sheathing directly applied, except end verticals, and

1 Brace at Jt(s): 1, 10, 15, 29, 22, 44, 12, 45, 46, 17, 24, 48, 51, 5

TRUSS DESIGNED FOR WIND LOADS IN THE PLANE

QUALIFIED BUILDING DESIGNER AS PER ANSI/TPI 1.

OF THE TRUSS ONLY, FOR STUDS EXPOSED TO WIND (NORMAL TO THE FACE), SEE STANDARD INDUSTRY GABLE END DETAILS AS APPLICABLE, OR CONSULT

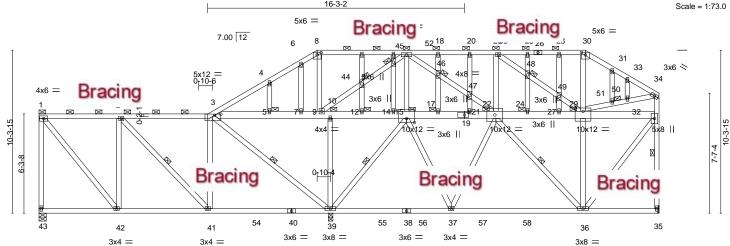
3-39, 15-39, 22-36, 34-35, 2-41

2-0-0 oc purlins (6-0-0 max.): 1-3, 8-30, 3-32.

Rigid ceiling directly applied.

1 Row at midpt

10-1-7 16-7-4 17-7-8 4-5-13 16-3-2



		3-0-12 10-1-	/	17-7-0	1φ-4τυ	20-1-0)		34-7-7	39-3-0	
	ı	5-0-12 5-0-1	2	7-6-1	0-8-8	7-9-8	<u> </u>		8-6-0	4-8-1	ı
Plate Off	sets (X,Y)	[3:0-4-12,0-1-0], [8:0-3-0	,0-1-12], [15:0)-6-0,0-3-0], [19:	0-3-1,0-2-0], [[29:0-6-0,0-2-8]	, [30:0-3-0,0-1-	12]			
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC (0.56	Vert(LL)	-0.14 36-37	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC (0.79	Vert(CT)	-0.26 36-37	>968	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB (0.64	Horz(CT)	0.02 35	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix-	AS					Weight: 426 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

JOINTS

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*

3-19,19-32: 2x6 SP No.2

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

REACTIONS. (size) 43=0-5-8, 39=0-3-8 (req. 0-3-12), 35=Mechanical

Max Horz 43=-223(LC 10) Max Uplift 43=-68(LC 8)

Max Grav 43=532(LC 19), 39=3164(LC 17), 35=1262(LC 18)

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

TOP CHORD $1-43 = -453/90, \ 1-2 = -341/99, \ 16-18 = -559/0, \ 18-20 = -559/0, \ 20-23 = -559/0, \ 23-25 = -417/0, \ 20-23 = -559/0, \ 20-23 = -55$

25-28=-417/0, 28-30=-417/0, 30-31=-445/0, 31-33=-495/0, 33-34=-497/0, 3-5=0/537,

5-7=0/533, 7-9=0/533, 9-10=0/775, 10-12=0/775, 12-14=0/775, 14-15=0/775,

15-17=-459/0, 17-21=-459/0, 21-22=-459/0, 29-32=-552/0 **BOT CHORD** 41-42=-162/395, 39-41=-119/273, 37-39=0/363, 36-37=0/717

1-42=-75/470, 3-41=0/386, 3-39=-1141/3, 10-39=-921/0, 15-39=-1554/0, 15-37=0/636, WFBS

22-37=-324/0, 22-36=-272/0, 29-36=-346/0, 32-35=-1220/0, 32-34=-442/0, 8-9=-268/22,

29-51=0/422, 50-51=0/410, 34-50=0/421, 9-44=-379/0, 44-45=-380/0, 16-45=-390/0,

16-46=0/489, 46-47=0/470, 22-47=0/496, 32-36=0/920

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 7-1-12, Interior(1) 7-1-12 to 17-7-8, Exterior(2R) 17-7-8 to 24-7-8, Interior(1) 24-7-8 to 34-7-7, Exterior(2E) 34-7-7 to 39-1-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) WARNING: Required bearing size at joint(s) 39 greater than input bearing size.
- 9) Refer to girder(s) for truss to truss connections.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 43
- 11) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.



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

November 8,2021

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



Job	Truss	Truss Type	Qty	Ply		
2935497	A24	Piggyback Base	1	1	T2590	11740
2000-101	712-1	i iggybaok babb	'		Job Reference (optional)	

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:33 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vYXfFnEDTC1ota2Da_W_X49I1ttExVsvCQmWh_yMExy

NOTES-

12) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

- 13) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 14) 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, 3-8=-54, 8-30=-54, 30-34=-54, 35-43=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-44, 3-8=-44, 8-30=-44, 30-34=-44, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 35-43=-40

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=20, 3-8=20, 8-52=26, 30-52=20, 30-34=20, 35-43=-12

Horz: 1-43=15, 2-3=-29, 3-8=-29, 30-34=29

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=20, 3-8=26, 8-53=20, 30-53=26, 30-34=20, 35-43=-12

Horz: 1-43=-29, 2-3=-29, 3-8=-35, 30-34=29

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-34, 3-8=-34, 8-30=-34, 30-34=-34, 35-43=-20

Horz: 1-43=-18, 2-3=20, 3-8=20, 30-34=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-34, 3-8=-34, 8-30=-34, 30-34=-34, 35-43=-20

Horz: 1-43=26, 2-3=20, 3-8=20, 30-34=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=19, 3-8=2, 8-18=19, 18-30=9, 30-34=12, 35-43=-12

Horz: 1-43=15, 2-3=-28, 3-8=-10, 30-34=20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=9, 3-8=12, 8-30=19, 30-34=2, 35-43=-12

Horz: 1-43=-18, 2-3=-18, 3-8=-20, 30-34=10

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-15, 3-8=-26, 8-30=-15, 30-34=-4, 35-43=-20

Horz: 1-43=25, 2-3=1, 3-8=12, 30-34=10

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-15, 3-8=-4, 8-30=-15, 30-34=-26, 35-43=-20

Horz: 1-43=-7, 2-3=1, 3-8=-10, 30-34=-12

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=19, 3-8=19, 8-30=19, 30-34=19, 35-43=-12

Horz: 1-43=-23, 2-3=-28, 3-8=-28, 30-34=28

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Continued on page 3



Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F) 15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-15, 3-8=-15, 8-30=-15, 30-34=-15, 35-43=-20 Horz: 1-43=-12, 2-3=1, 3-8=1, 30-34=-1 Trapezoidal Loads (plf) Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F) 16) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 41-43=-40, 41-54=-60, 54-55=-40, 55-56=-60, 56-57=-40, 57-58=-60, 35-58=-40 Trapezoidal Loads (plf) Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F) 17) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-45, 3-8=-53, 8-30=-45, 30-34=-37, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35 Horz: 1-43=19, 2-3=1, 3-8=9, 30-34=7 Trapezoidal Loads (plf) Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F) 18) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf) Vert: 1-3=-45, 3-8=-37, 8-30=-45, 30-34=-53, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Horz: 1-43=-5, 2-3=1, 3-8=-7, 30-34=-9 Trapezoidal Loads (plf) Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-45, 3-8=-45, 8-30=-45, 30-34=-45, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Horz: 1-43=-9, 2-3=1, 3-8=1, 30-34=-1

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-45, 3-8=-45, 8-30=-45, 30-34=-45, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Horz: 1-43=-9, 2-3=1, 3-8=1, 30-34=-1

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

21) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-8=-54, 8-30=-54, 30-34=-14, 35-43=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

22) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 35-43=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

23) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-44, 3-8=-44, 8-30=-44, 30-34=-14, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50,

35-58=-35

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

24) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50,

35-58=-35

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-8=-54, 8-30=-54, 30-34=-54, 35-43=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

26) Reversal: Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 4





Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vYXfFnEDTC1ota2Da_W_X49I1ttExVsvCQmWh_yMExy

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-44, 3-8=-44, 8-30=-44, 30-34=-44, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

27) Reversal: Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 41-43=-40, 41-54=-60, 54-55=-40, 55-56=-60, 56-57=-40, 57-58=-60, 35-58=-40

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

28) Reversal: 1st Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-8=-54, 8-30=-54, 30-34=-14, 35-43=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

29) Reversal: 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 35-43=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

30) Reversal: 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-44, 3-8=-44, 8-30=-44, 30-34=-14, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

31) Reversal: 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-14, 3-8=-14, 8-30=-14, 30-34=-14, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

32) Reversal: Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=20, 3-8=20, 8-52=26, 30-52=20, 30-34=20, 35-43=-12

Horz: 1-43=15, 2-3=-29, 3-8=-29, 30-34=29

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

33) Reversal: Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=20, 3-8=26, 8-53=20, 30-53=26, 30-34=20, 35-43=-12

Horz: 1-43=-29, 2-3=-29, 3-8=-35, 30-34=29

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

34) Reversal: Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-34, 3-8=-34, 8-30=-34, 30-34=-34, 35-43=-20

Horz: 1-43=-18, 2-3=20, 3-8=20, 30-34=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

35) Reversal: Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-34, 3-8=-34, 8-30=-34, 30-34=-34, 35-43=-20

Horz: 1-43=26, 2-3=20, 3-8=20, 30-34=-20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

36) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=19, 3-8=2, 8-18=19, 18-30=9, 30-34=12, 35-43=-12

Horz: 1-43=15, 2-3=-28, 3-8=-10, 30-34=20

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

37) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=9, 3-8=12, 8-30=19, 30-34=2, 35-43=-12

Horz: 1-43=-18, 2-3=-18, 3-8=-20, 30-34=10

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

38) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-15, 3-8=-26, 8-30=-15, 30-34=-4, 35-43=-20

Horz: 1-43=25, 2-3=1, 3-8=12, 30-34=10

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

39) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60

Vert: 1-3=-15, 3-8=-4, 8-30=-15, 30-34=-26, 35-43=-20

Horz: 1-43=-7, 2-3=1, 3-8=-10, 30-34=-12

Continued on page 5



Job	Truss	Truss Type	Qty	Ply	
2935497	A24	Piggyback Base	1	1	T25901740
2000-101	712-1	i iggybaok babb			Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:33 2021 Page 5 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vYXfFnEDTC1ota2Da_W_X49I1ttExVsvCQmWh_yMExy

LOAD CASE(S) Standard

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

40) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=19, 3-8=19, 8-30=19, 30-34=19, 35-43=-12

Horz: 1-43=-23, 2-3=-28, 3-8=-28, 30-34=28

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

41) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=4, 3-8=4, 8-30=4, 30-34=4, 35-43=-12

Horz: 1-43=-23, 2-3=-13, 3-8=-13, 30-34=13

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

42) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-15, 3-8=-15, 8-30=-15, 30-34=-15, 35-43=-20

Horz: 1-43=-12, 2-3=1, 3-8=1, 30-34=-1

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

43) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-15, 3-8=-15, 8-30=-15, 30-34=-15, 35-43=-20

Horz: 1-43=-12, 2-3=1, 3-8=1, 30-34=-1

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

44) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-45, 3-8=-53, 8-30=-45, 30-34=-37, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Horz: 1-43=19, 2-3=1, 3-8=9, 30-34=7

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

45) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right); Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-45, 3-8=-37, 8-30=-45, 30-34=-53, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Horz: 1-43=-5, 2-3=1, 3-8=-7, 30-34=-9

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

46) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60 Uniform Loads (plf)

Vert: 1-3=-45, 3-8=-45, 8-30=-45, 30-34=-45, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50, 35-58=-35

Horz: 1-43=-9, 2-3=1, 3-8=1, 30-34=-1

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)

47) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-3=-45, 3-8=-45, 8-30=-45, 30-34=-45, 41-43=-35, 41-54=-50, 54-55=-35, 55-56=-50, 56-57=-35, 57-58=-50,

35-58=-35

Horz: 1-43=-9, 2-3=1, 3-8=1, 30-34=-1

Trapezoidal Loads (plf)

Vert: 3=-15(F)-to-21=-100(F), 21=-100(F)-to-32=-18(F)



Job Truss Truss Type Qty T25901741 2935497 A25 Flat Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:34 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Nk51S7FrEV9fVkdQ8h1D4liRIHCwgzp2R4W4ERyMExx

6-0-12

25-5-9

6-11-13

6-10-1

Structural wood sheathing directly applied, except end verticals.

2-17, 3-14, 8-12, 8-10

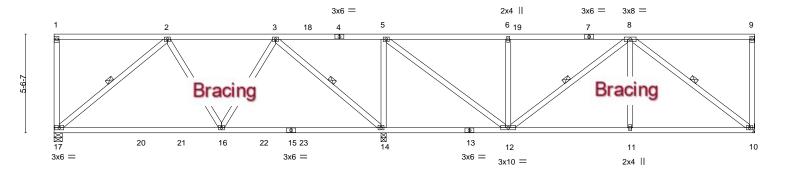
Rigid ceiling directly applied.

1 Row at midpt

Scale: 3/16"=1

39-3-8

6-11-13



9-4-10	+	18-5-12	25-5-9	32-3-11	39-3-8
9-4-10		9-1-2	6-11-13	6-10-1	6-11-13
LOADING (psf) SPACING- TCLL 20.0 Plate Grip DOL TCDL 7.0 Lumber DOL BCLL 0.0 * Rep Stress Incr BCDL 10.0 Code FBC2020/	2-0-0 1.25 1.25 YES TPI2014	CSI. TC 0.69 BC 0.88 WB 0.53 Matrix-AS	DEFL. in (loc) Vert(LL) -0.21 16-17 Vert(CT) -0.37 16-17 Horz(CT) 0.02 10	l/defl L/d >999 240 >590 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 231 lb FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

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

6-4-4

BOT CHORD WEBS 2x4 SP No.3

REACTIONS.

17=0-5-8, 10=Mechanical, 14=0-3-8

Max Horz 17=-170(LC 8)

Max Uplift 17=-88(LC 8), 10=-70(LC 9), 14=-163(LC 12) Max Grav 17=640(LC 18), 10=697(LC 18), 14=1875(LC 17)

6-0-12

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

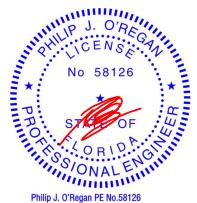
2-3=-493/123, 3-5=-181/451, 5-6=-500/235, 6-8=-500/235 TOP CHORD

BOT CHORD 16-17=-280/499, 14-16=-181/306, 12-14=-470/204, 11-12=-244/642, 10-11=-244/642 2-17=-561/276, 3-16=-30/424, 3-14=-952/374, 5-14=-976/475, 5-12=-367/1092, WEBS

6-12=-367/260, 8-11=0/297, 8-10=-745/250

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 5-1-12, Exterior(2) 5-1-12 to 34-1-12, Corner(3) 34-1-12 to 39-1-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 3x4 MT20 unless otherwise indicated.
- 5) 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.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 10 except (it=lb) 14=163.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



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



Job Truss Truss Type Qty T25901742 2935497 A26 Flat Girder 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:36 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-J7DotoG5m7PNk2moG63h9jnpL4wB8rTLvO?AlJyMExv 13-10-12 4-8-12 4-7-0 4-7-0 4-8-12 Scale = 1:31.7 4x4 = 2x4 || 3x8 =3x6 =2x4 || 4x4 =2 3 5 6 17 18 13 14 15 16 19 20 \mathbb{R} 21 22 24 25 27 28 10 26 11 9 8 12 3x6 = 5x8 = 2x4 || 5x8 = 2x4 | 2x4 || 13-10-12 18-7-8 9-3-12 4-8-12 4-7-0 4-8-12 LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** GRIP (loc) I/defI L/d

-0.05

-0.10

0.03

9 >999

>999

except end verticals.

n/a

9-11

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

240

180

n/a

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

LUMBER-

REACTIONS.

TCLL

TCDL

BCLL

BCDI

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

(size)

BOT CHORD WEBS 2x4 SP No.3

20.0

7.0

0.0

10.0

12=0-5-8, 7=0-3-8 Max Horz 12=132(LC 5) Max Uplift 12=-213(LC 4), 7=-215(LC 5) Max Grav 12=1424(LC 1), 7=1436(LC 1)

Plate Grip DOL

Rep Stress Incr

Code FBC2020/TPI2014

Lumber DOL

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

1-12=-1330/253, 1-2=-1295/227, 2-3=-1295/227, 3-5=-1293/227, 5-6=-1293/227, TOP CHORD

6-7=-1337/258

BOT CHORD 9-11=-299/1684, 8-9=-299/1684

WFBS 1-11=-259/1698, 2-11=-545/239, 3-11=-521/97, 3-9=0/348, 3-8=-524/96, 5-8=-542/238,

1.25

1.25

NO

TC

ВС

WB

0.55

0.64

0.65

Matrix-MSH

6-8=-259/1695

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=213, 7=215
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 115 lb down and 89 lb up at 1-4-12, 115 lb down and 89 lb up at 3-4-12, 115 lb down and 89 lb up at 5-4-12, 115 lb down and 89 lb up at 7-4-12, 115 lb down and 89 lb up at 9-4-12, 115 lb down and 89 lb up at 11-4-12, 115 lb down and 89 lb up at 13-4-12, and 115 lb down and 89 lb up at 15-4-12, and 115 lb down and 89 lb up at 17-4-12 on top chord, and 80 lb down at 1-4-12, 80 lb down at 3-4-12, 80 lb down at 5-4-12, 80 lb down at 7-4-12, 80 lb down at 9-4-12, 80 lb down at 11-4-12, 80 lb down at 13-4-12, and 80 lb down at 15-4-12, and 80 lb down at 17-4-12 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: 1-6=-54, 7-12=-20

Philip J. O'Regan PE No 5 O'REGAN ENS ENGIN

244/190

FT = 20%

MT20

Structural wood sheathing directly applied or 4-7-14 oc purlins,

Weight: 118 lb

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

November 8,2021

Continued on page 2

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

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



Job	Truss	Truss Type	Qty	Ply	
2935497	A26	Flat Girder	1	1	T25901742
2000401	720	Tiet Girder	'		Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:36 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-J7DotoG5m7PNk2moG63h9jnpL4wB8rTLvO?AlJyMExv

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 9=-57(F) 3=-110(F) 13=-110(F) 14=-110(F) 15=-110(F) 16=-110(F) 17=-110(F) 18=-110(F) 19=-110(F) 20=-110(F) 21=-57(F) 22=-57(F) 23=-57(F) 24=-57(F) 25=-57(F) 26=-57(F) 27=-57(F) 28=-57(F) 28=



Job Truss Truss Type Qty T25901743 2935497 A27 Flat Girder 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:37 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nJnA58HkXQXEMBL_pqawiwKxyUEntGYU72kkqlyMExu 10-5-12 15-7-12 <u>20-11-8</u>

5-2-0

5-2-0

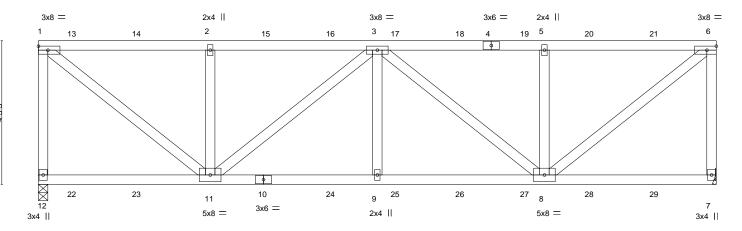
Scale = 1:35.6

5-3-12

Structural wood sheathing directly applied or 3-10-0 oc purlins,

Rigid ceiling directly applied or 9-7-14 oc bracing.

except end verticals.



	5-3-12		15-7-12	20-11-8
	5-3-12		5-2-0	5-3-12
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr NO Code FBC2020/TPI2014	CSI. TC 0.76 BC 0.81 WB 0.79 Matrix-MSH	Vert(LL) -0.08 9-11 >999 2 Vert(CT) -0.15 9-11 >999 1	L/d PLATES GRIP 40 MT20 244/190 80 h/a Weight: 128 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No 2 2x4 SP No.2

BOT CHORD WEBS 2x4 SP No.3

REACTIONS. (size) 12=0-3-8, 7=Mechanical Max Horz 12=-135(LC 4)

5-3-12

Max Uplift 12=-246(LC 4), 7=-235(LC 5) Max Grav 12=1660(LC 1), 7=1591(LC 1)

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

TOP CHORD 1-12=-1543/297, 1-2=-1643/277, 2-3=-1643/277, 3-5=-1637/277, 5-6=-1637/277,

6-7=-1497/277

BOT CHORD 9-11=-366/2137, 8-9=-366/2137

WFBS 1-11=-311/2065, 2-11=-622/273, 3-11=-634/113, 3-9=0/399, 3-8=-641/113,

5-8=-618/271, 6-8=-311/2060

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 117 lb down and 90 lb up at 1-0-12, 117 lb down and 91 lb up at 3-0-12, 117 lb down and 91 lb up at 3-0-12, 117 lb down and 91 lb up at 7-0-12, 117 lb down and 91 lb up at 9-0-12, 117 lb down and 91 lb up at 11-0-12, 117 lb down and 91 lb up at 13-0-12, 117 lb down and 91 lb up at 15-0-12, and 117 lb down and 91 lb up at 17-0-12, and 117 lb down and 91 lb up at 19-0-12 on top chord, and 83 lb down at 1-0-12 82 lb down at 3-0-12, 82 lb down at 5-0-12, 82 lb down at 7-0-12, 82 lb down at 9-0-12, 82 lb down at 11-0-12, 82 lb down at 13-0-12, 82 lb down at 15-0-12, and 82 lb down at 17-0-12, and 82 lb down at 19-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard



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

November 8,2021

Continued on page 2



Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not 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



Job	Truss	Truss Type	Qty	Ply	
2935497	A27	Flat Girder	1	1	T25901743
2935497	A27	riat Girdei	'	'	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:37 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nJnA58HkXQXEMBL_pqawiwKxyUEntGYU72kkqlyMExu

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-54, 7-12=-20

Concentrated Loads (lb)

Vert: 10=-59(F) 11=-59(F) 2=-113(F) 13=-115(F) 14=-113(F) 15=-113(F) 16=-113(F) 17=-113(F) 18=-113(F) 19=-113(F) 20=-113(F) 21=-113(F) 21=-113(23=-59(F) 24=-59(F) 25=-59(F) 26=-59(F) 27=-59(F) 28=-59(F) 29=-59(F)

6904 Parke East Blvd. Tampa, FL 36610



Job Truss Truss Type Qty T25901744 2935497 B₀1 Attic 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:38 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied. Except:

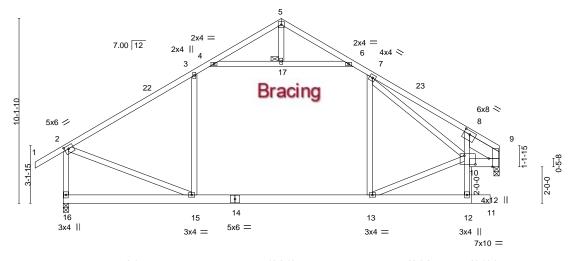
6-0-0 oc bracing: 10-12

1 Brace at Jt(s): 17

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-FWLYIUIMIkf5zLwBNX69E8s5GuXPcoueMiUHNCyMExt 16-9-12

8-3-3 7-4-13 0-2-9 15-7-12 11-11-8 1-6-8 0-10-6 0-3-10 4x4 =

Scale = 1:63.2



16-9-12 23-11-0 1-7-8 Plate Offsets (X,Y)-- [2:0-2-12.0-2-0], [8:0-4-0.0-2-4], [9:0-5-8.Edgel, [10:0-7-4.0-5-12]

Tiato Onocio (71,1)	1 late 6 liberte (7,17) [2.6 2 12,6 2 6], [6.6 1 6,6 2 1], [6.6 6 6,2499], [16.6 1 1,6 6 12]										
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 0.72	Vert(LL) -0.25 13-15 >999 240 MT20 244/190								
TCDL 7.0	Lumber DOL 1.25	BC 0.98	Vert(CT) -0.36 13-15 >790 180								
BCLL 0.0 *	Rep Stress Incr YES	WB 0.46	Horz(CT) -0.07 9 n/a n/a								
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS	Attic -0.20 13-15 581 360 Weight: 181 lb FT = 20%								

BRACING-

JOINTS

TOP CHORD

BOT CHORD

LUMBER-

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

2x6 SP No.2 *Except* 8-12: 2x4 SP No.2, 11-14: 2x6 SP M 26

2x4 SP No.3 WEBS

SLIDER Right 2x8 SP 2400F 2.0E 2-0-12

REACTIONS. (size) 9=0-3-8, 16=0-3-8

Max Horz 16=-227(LC 10) Max Uplift 16=-11(LC 12)

Max Grav 9=1263(LC 19), 16=1327(LC 18)

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

TOP CHORD 2-3=-1366/5, 3-4=-1067/92, 6-7=-1089/100, 7-8=-2100/98, 8-9=-1469/10,

2-16=-1296/91

BOT CHORD 15-16=-177/259, 13-15=0/1137, 8-10=-599/162, 9-10=-4/1176

WEBS 3-15=-103/328, 7-13=-148/382, 10-13=0/1107, 7-10=-110/876, 4-17=-1026/60,

6-17=-1026/60, 2-15=0/1195

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 11-11-8, Exterior(2R) 11-11-8 to 18-11-8, Interior(1) 18-11-8 to 23-11-0 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-17, 6-17; Wall dead load (5.0 psf) on member(s).3-15, 7-13
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Attic room checked for L/360 deflection.



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

November 8,2021



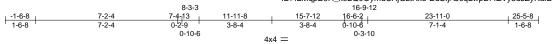
Job Truss Truss Type Qty T25901745 2935497 B02 Attic 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:40 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-BuSljAJcqLwpDf4ZVy8dJZyRaiEl4hYxq0zOR4yMExr

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

1 Brace at Jt(s): 15



Scale = 1:58.3

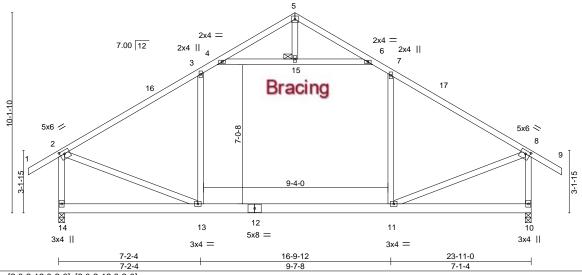


Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [8:0-2-12,0-2-0]

LOADING	VI /	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC 0.73	Vert(LL) -0.24 11-13 >999 240	MT20 244/190
TCDL	7.0	Lumber DOL 1.25	BC 0.92	Vert(CT) -0.33 11-13 >847 180	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.45	Horz(CT) 0.01 10 n/a n/a	M : 14 400 H FT 0004
BCDL	10.0	Code FBC2020/TPI2014	Matrix-AS	Attic -0.19 11-13 595 360	Weight: 166 lb $FT = 20\%$

BRACING-

JOINTS

TOP CHORD

BOT CHORD

LUMBER-

2x4 SP No.2 TOP CHORD 2x6 SP No.2 *Except* **BOT CHORD**

10-12: 2x6 SP M 26

WEBS 2x4 SP No.3

REACTIONS. (size) 14=0-3-8, 10=0-3-8 Max Horz 14=-262(LC 10)

Max Uplift 14=-17(LC 12), 10=-17(LC 12)

Max Grav 14=1314(LC 18), 10=1317(LC 19)

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

2-3=-1353/19, 3-4=-1056/100, 6-7=-1067/102, 7-8=-1363/21, 2-14=-1285/104, TOP CHORD

8-10=-1299/104

BOT CHORD 13-14=-255/296, 11-13=0/1141

WEBS 3-13=-108/321, 7-11=-115/326, 4-15=-998/69, 6-15=-998/69, 2-13=0/1181, 8-11=0/1184

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 11-11-8, Exterior(2R) 11-11-8 to 18-11-8, Interior(1) 18-11-8 to 25-5-8 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-15, 6-15; Wall dead load (5.0 psf) on member(s).3-13, 7-11
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 10.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Attic room checked for L/360 deflection.



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

November 8,2021



Job Truss Truss Type Qty T25901746 2935497 B₀₂R Attic 2 Job Reference (optional) Lady Lake, FL - 34472,

Builders FirstSource (Lady Lake, FL),

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:41 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-g50hwWKEbf2gqpfm2gfssmUcO5aFp2m42gix_XyMExq

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 12-14

1 Brace at Jt(s): 19

16-9-12 8-3-3 7-4-13 0-2-9 11-11-8 23-11-0 25-5-8 1-4-0 1-6-8 15-7-12 1-6-8 16-6-2 0-10-6 0-3-10 0-10-6 4x4 =

Scale = 1:66.6

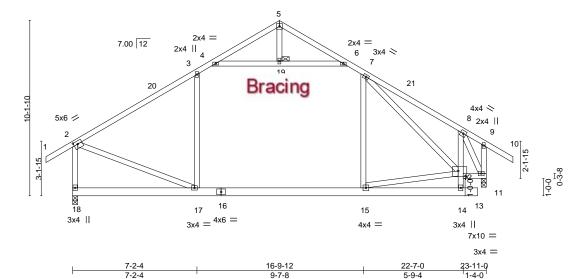


Plate Offsets (X,Y)-- [2:0-2-12,0-2-0], [12:0-6-0,0-4-0]

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 0.73	Vert(LL) -0.23 15-17 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.90	Vert(CT) -0.32 15-17 >882 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT) 0.03 11 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS	Attic -0.19 15-17 618 360	Weight: 183 lb FT = 20%

BRACING-

JOINTS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2

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

16-18: 2x6 SP No.2, 8-14: 2x4 SP No.3, 13-16: 2x6 SP M 26

WEBS

(size) 18=0-3-8, 11=0-3-8

Max Horz 18=-255(LC 10) Max Uplift 18=-16(LC 12), 11=-6(LC 12)

Max Grav 18=1315(LC 18), 11=1336(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown 2-3=-1349/16, 3-4=-1056/99, 4-5=-253/72, 6-7=-1064/100, 7-8=-905/132,

TOP CHORD 2-18=-1281/101

BOT CHORD 17-18=-230/289, 15-17=0/1135, 8-12=0/643, 11-12=0/611

WEBS 3-17=-110/316, 7-15=-6/526, 12-15=0/1161, 7-12=-694/0, 4-19=-987/63, 6-19=-987/63,

2-17=0/1176. 8-11=-1329/0

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 11-11-8, Exterior(2R) 11-11-8 to 18-11-8, Interior(1) 18-11-8 to 25-5-8 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-19, 6-19; Wall dead load (5.0 psf) on member(s).3-17, 7-15
- 7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 11.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Attic room checked for L/360 deflection.



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

November 8,2021

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



Job Truss Truss Type Qty T25901747 2935497 B₀3 Common Girder Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:42 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8Ha38sLsLzAWSzEycNA5P_1sFV1yYWeDHKSVWzyMExp

-1-6-8 1-6-8 23-11-0 25-5-8 6-1-8 5-10-0 5-10-0 6-1-8 1-6-8

> Scale = 1:58.7 4x4 =

> > Structural wood sheathing directly applied or 4-1-6 oc purlins,

3-10, 5-10

Rigid ceiling directly applied or 9-1-14 oc bracing

except end verticals.

1 Row at midpt

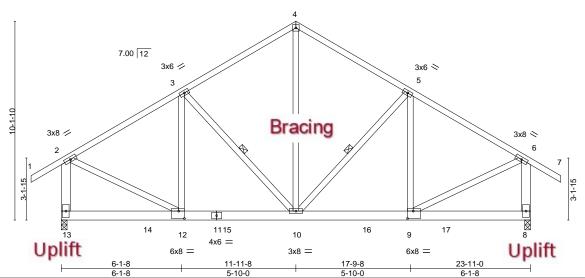


Plate Offsets (X,Y)-- [5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [9:0-3-8,0-4-8], [12:0-3-8,0-4-8]

LOADING	VI /	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.09	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.09	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.80	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-MSH						Weight: 189 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

REACTIONS.

BOT CHORD

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

2-13,6-8: 2x6 SP No.2

(size) 13=0-3-8, 8=0-3-8 Max Horz 13=-263(LC 6) Max Uplift 13=-842(LC 8), 8=-842(_ Max Grav 13=2110(LC 29), 8=2110(LC 30)

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

TOP CHORD 2-3=-1925/778, 3-4=-1416/556, 4-5=-1416/556, 5-6=-1926/778, 2-13=-1904/748,

6-8=-1904/748

12-13=-279/291, 10-12=-584/1729, 9-10=-513/1624

WEBS 3-12=-422/547, 3-10=-736/426, 4-10=-444/1101, 5-10=-736/426, 5-9=-422/547,

2-12=-554/1711, 6-9=-554/1712

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=842, 8=842.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 436 lb down and 491 lb up at 4-4-4, 697 lb down and 221 lb up at 5-11-8, and 697 lb down and 221 lb up at 17-11-8, and 436 lb down and 491 lb up at 19-6-12 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, 4-6=-54, 6-7=-54, 8-13=-20



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

November 8,2021

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



Job Truss Truss Type Qty T25901747 2935497 B03 Common Girder

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:42 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8Ha38sLsLzAWSzEycNA5P_1sFV1yYWeDHKSVWzyMExp

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 12=-693(B) 9=-693(B) 14=-240(B) 17=-240(B)



Job Truss Truss Type Qty T25901748 2935497 B04 Common 2

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:43 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-cT8RLBMU6GIN46p8A4hKxBa0fvOaH8KNW_B22PyMExo

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

1 Row at midpt

-1-6-12 1-6-12 13-5-4 1-6-12 11-10-8 5-11-4 5-11-4

4x4 =

Scale = 1:58.3

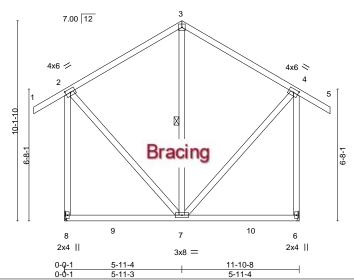


Plate Offsets (X,Y)	[2:0-2-14,0-2-0], [4:0-2-14,0-2-0]

LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	-0.06	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-AS						Weight: 101 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 8=Mechanical, 6=Mechanical

Max Horz 8=-303(LC 10)

Max Uplift 8=-101(LC 12), 6=-101(LC 12) Max Grav 8=618(LC 18), 6=618(LC 17)

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

TOP CHORD 2-3=-277/151, 3-4=-277/151, 2-8=-505/298, 4-6=-505/298

BOT CHORD 7-8=-300/299

2-7=-90/323, 4-7=-90/323 WFBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-12 to 5-5-4, Interior(1) 5-5-4 to 5-11-4, Exterior(2R) 5-11-4 to 12-11-4, Interior(1) 12-11-4 to 13-5-4 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

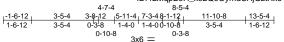
November 8,2021



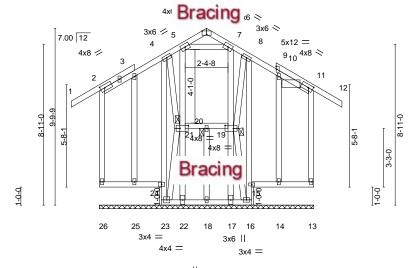
Job Truss Truss Type Qty T25901749 2935497 B05 **GABLE** Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:45 2021 Page 1 Lady Lake, FL - 34472,

Builders FirstSource (Lady Lake, FL),

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YsGBmtNleuY5JQyXHVko0cfNCj3OI1Dgzlg97lyMExm



Scale: 3/16"=1



4-7-3446 II7-3-4 11-10-8 ¹1-2-0 2-8-0 1-2-0 3-5-4 Plate Offsets (X V)-- [2:0-2-14 0-2-0] [6:0-3-0 Edge] [11:0-5-4 0-0-0] [11:0-2-14 0-2-0] [19:0-5-8 0-2-0] [21:0-5-8 0-2-0]

Tidle Offices (X, I)	1 late Offsets (X, 1) [2.0 2 14,0 2 0], [0.0 0 0, Eage], [11.0 0 4,0 0 0], [11.0 2 14,0 2 0], [21.0 0 0,0 2 0]									
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 0.42	Vert(LL) -0.02 12 n/r 120	MT20 244/190						
TCDL 7.0	Lumber DOL 1.25	BC 0.44	Vert(CT) -0.02 11-12 n/r 120							
BCLL 0.0 *	Rep Stress Incr NO	WB 0.17	Horz(CT) -0.03 13 n/a n/a							
BCDL 10.0	Code FBC2020/TPI2014	Matrix-SH		Weight: 169 lb FT = 20%						

LUMBER-BRACING-

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

4-23,8-16: 2x4 SP No.3

2x4 SP No.3 WEBS

OTHERS 2x4 SP No.3

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. **JOINTS**

1 Brace at Jt(s): 20, 21, 19

REACTIONS. All bearings 11-10-8.

Max Horz 26=-263(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 25 except 26=-154(LC 12),

13=-154(LC 12), 24=-172(LC 10), 23=-237(LC 10), 15=-119(LC 11), 17=-463(LC

10), 22=-299(LC 11), 16=-356(LC 11)

Max Grav All reactions 250 lb or less at joint(s) 26, 13, 24, 15, 18, 25, 14

except 23=261(LC 11), 17=582(LC 11), 22=417(LC 10), 16=381(LC 10)

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

BOT CHORD 25-26=-276/269, 24-25=-278/269, 8-15=-250/172 WFBS

17-19=-571/487, 21-22=-581/498, 21-23=-461/386, 8-19=-331/281, 16-19=-431/357,

4-21=-297/247

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-6-12 to 5-5-4, Exterior(2N) 5-5-4 to 5-11-4, Corner(3R) 5-11-4 to 12-11-4, Exterior(2N) 12-11-4 to 13-5-4 zone; cantilever left and right exposed; 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable requires continuous bottom chord bearing.
- 8) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- 9) Gable studs spaced at 2-0-0 oc.
- 10) 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.
- 12) Bearing at joint(s) 24, 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25 except (jt=lb) Continue 154n 134 154, 24=172, 23=237, 15=119, 17=463, 22=299, 16=356.



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

November 8,2021

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORF USF

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



Job	Truss	Truss Type	Qty	Ply	
2935497	B05	GABLE	1	1	T25901749
2000.01	200	0.022			Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:45 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YsGBmtNleuY5JQyXHVko0cfNCj3Ol1Dgzlg97lyMExm

- 14) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 26, 13, 25, 14.
- 15) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 16) No notches allowed in overhang and 10612 from left end and 10612 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.

Job Truss Truss Type Qty T25901750 2935497 B06 Jack-Closed Girder

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:46 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-02qazDONPBgyxaXjrDF1ZqCYP6QWUW3pCyQifkyMExl

Structural wood sheathing directly applied or 4-5-8 oc purlins,

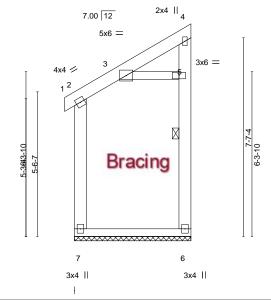
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

1 Row at midpt

0-4-8 4-5-8

Scale = 1:44.1



LOADING TCLL	(psf) 20.0	SPACING- Plate Grip DOL	2-0-0 1.25	CSI.	0.39	DEFL. Vert(LL)	in 0.00	(loc)	l/defl n/r	L/d 120	PLATES MT20	GRIP 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.39	Vert(CT)	0.00	2	n/r	120	IVITZU	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI	2014	Matri	x-R						Weight: 52 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

2x6 SP No.2 *Except* TOP CHORD 3-5: 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2

WEBS 2x6 SP No.2

REACTIONS.

(size) 7=4-5-8, 6=4-5-8 Max Horz 7=257(LC 5)

Max Uplift 7=-149(LC 4), 6=-298(LC 5) Max Grav 7=402(LC 26), 6=394(LC 25)

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

TOP CHORD 3-4=-309/246, 5-6=-250/248, 3-5=-237/263

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=149, 6=298.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 72 lb up at 1-7-6, and 60 lb down and 55 lb up at 4-2-12 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-2=-54, 2-3=-54, 3-4=-54, 6-7=-20

Concentrated Loads (lb)

Vert: 4=-60(B) 3=-52(B)



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

November 8,2021

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



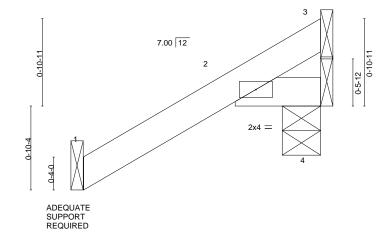
Job Truss Truss Type Qty T25901751 2935497 C1A Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:47 2021 Page 1

Builders FirstSource (Lady Lake, FL),

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-UENyBZP?AVopYk6vPwmG61koXWr1DzJyRc9GBAyMExk

0-10-7 1-6-8 0-10-7

Scale = 1:11.7



LOADING ((psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 2	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	ВС	0.05	Vert(CT)	-0.01	5	>999	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/TF	PI2014	Matri	x-MP	, ,					Weight: 6 lb	FT = 20%

LUMBER-

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

2x4 SP No.2

BRACING-

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

REACTIONS. All bearings Mechanical except (jt=length) 4=0-4-11, 4=0-4-11.

Max Horz 4=60(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 3, 4 Max Grav All reactions 250 lb or less at joint(s) 1, 3, 4, 4

Lady Lake, FL - 34472,

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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

November 8,2021



Job Truss Truss Type Qty T25901752 2935497 C₁B Jack-Open 2 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:48 2021 Page 1

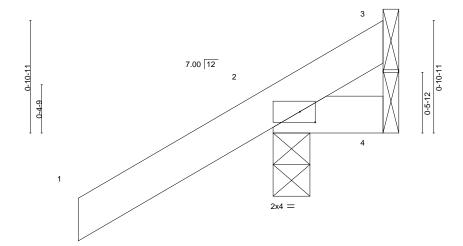
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied or 0-10-7 oc purlins.

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

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-yRxKOvQdxpwgAuh6zeHVeFHyCwALyQY6fGvpjdyMExj 0-10-7 1-6-8 0-10-7

Scale = 1:9.1



0-10-7

Plate Offsets (X,Y)	[2:0-1-7,0-1-0]					
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 0.18	Vert(LL) (0.00 7	>999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.04	Vert(CT)	0.00 7	>999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) (0.00 2	n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MP				Weight: 6 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

> 3=Mechanical, 2=0-3-8, 4=Mechanical (size)

Max Horz 2=52(LC 12) Max Uplift 3=-14(LC 1), 2=-115(LC 12), 4=-29(LC 1) Max Grav 3=20(LC 12), 2=190(LC 1), 4=36(LC 12)

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=115.



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

November 8,2021



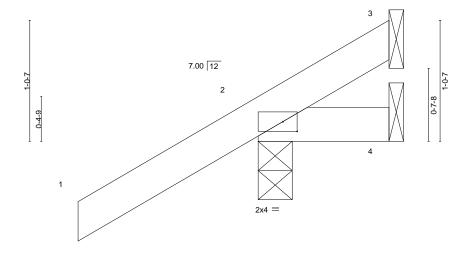
Job Truss Truss Type Qty T25901753 2935497 C1C Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:48 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied or 1-1-7 oc purlins.

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

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-yRxKOvQdxpwgAuh6zeHVeFHyEwAHyQY6fGvpjdyMExj 1-6-8 1-1-7

Scale = 1:9.9



1-1-7

Plate Of	fsets (X,Y)	[2:0-1-7,0-1-0]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.Ó	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.00	` 7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	ВС	0.05	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MP						Weight: 6 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 BOT CHORD

2x4 SP No.2

3=Mechanical, 2=0-3-8, 4=Mechanical (size) Max Horz 2=56(LC 12) Max Uplift 3=-1(LC 1), 2=-100(LC 12), 4=-16(LC 1)

Max Grav 3=11(LC 12), 2=182(LC 1), 4=28(LC 12)

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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

November 8,2021



Job	Truss	Truss Type	Qty	Ply	
2025407	010	Jack-Open	_	,	T25901754
2935497	C1G	Jack-Open	4	'	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

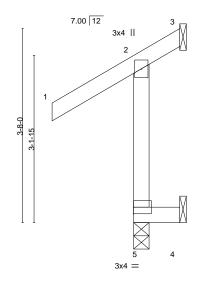
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:49 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-RdVicFQFi62Xo1GIWLokBSq0NKSuhtoFuweMG3yMExi

Structural wood sheathing directly applied or 0-10-7 oc purlins,

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

except end verticals.

Scale = 1:21.8



0-10-7 0-10-7

BRACING-

TOP CHORD

BOT CHORD

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 0.60	Vert(LL) -0.00 5 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.28	Vert(CT) -0.00 5 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.06 3 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MR		Weight: 10 lb FT = 20%

LUMBER-

REACTIONS.

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

BOT CHORD WEBS 2x4 SP No.3

> 5=0-3-8, 3=Mechanical, 4=Mechanical (size) Max Horz 5=120(LC 12)

Max Uplift 5=-104(LC 10), 3=-80(LC 19), 4=-188(LC 12) Max Grav 5=238(LC 19), 3=45(LC 10), 4=126(LC 10)

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

NOTES-

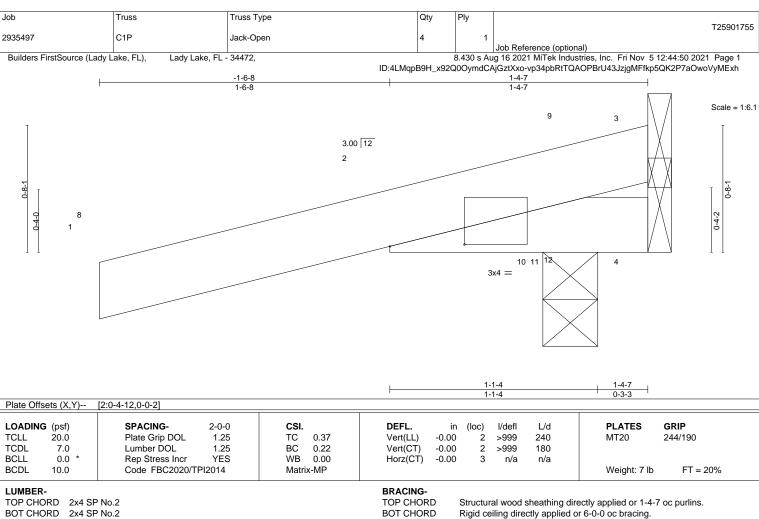
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 5=104, 4=188,



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

November 8,2021





LUMBER-

REACTIONS. 3=Mechanical, 4=Mechanical, 2=0-3-8 (size)

Max Horz 2=24(LC 12)

Max Uplift 3=-308(LC 1), 2=-177(LC 12)

Max Grav 3=141(LC 12), 4=16(LC 3), 2=524(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=308, 2=177,



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

November 8,2021



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

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



Job Truss Truss Type Qty T25901756 2935497 C3A Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:51 2021 Page 1

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

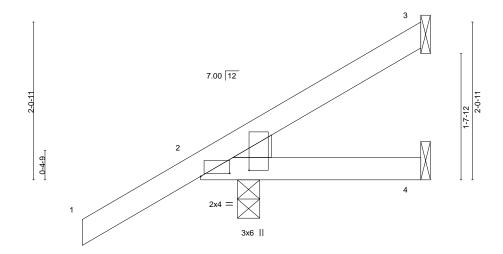
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-N0dT1xSWEkIF1LQhemqCGtvTl7Bo9nIYLE7TKyyMExg

Structural wood sheathing directly applied or 2-10-7 oc purlins.

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

2-10-7 2-10-7 1-6-8

Scale = 1:15.0



2-10-7 2-4-11

Plate Offsets (X,Y)-- [2:0-4-9,0-0-8], [2:0-0-15,0-7-9]

LOADIN	IG (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.00	5	>999	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/T	PI2014	Matri	x-MP						Weight: 13 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEDGE Left: 2x4 SP No.3

REACTIONS.

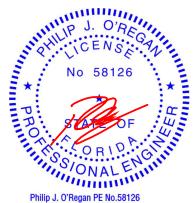
(size) 3=Mechanical, 4=Mechanical, 2=0-3-8

Max Horz 2=84(LC 12)

Max Uplift 3=-17(LC 9), 4=-10(LC 9), 2=-116(LC 12) Max Grav 3=34(LC 17), 4=34(LC 3), 2=253(LC 1)

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

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.
- * 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=116.



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

November 8,2021



Job Truss Truss Type Qty T25901757 2935497 C3B Jack-Open 2

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

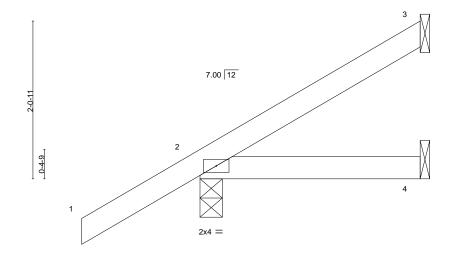
Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:51 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-N0dT1xSWEkIF1LQhemqCGtvTI7Bc9nIYLE7TKyyMExg

Structural wood sheathing directly applied or 2-10-7 oc purlins.

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

2-10-7 2-10-7 1-6-8

Scale = 1:15.0



			· · · · · · · · · · · · · · · · · · ·	2-10-7		<u> </u>		
LOADIN	G (psf)	SPACING- 2-0-0	CSI. DEFL.	in (lo	loc) l/defl	L/d	PLATES GRIP)
TCLL	20.0	Plate Grip DOL 1.25	TC 0.16 Vert(L	.) -0.00 4	4-7 >999	240	MT20 244/1	190
TCDL	7.0	Lumber DOL 1.25	BC 0.07 Vert(C	r) -0.01 4	4-7 >999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB 0.00 Horz(C	T) 0.00	3 n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-MP	,			Weight: 12 lb F7	Τ = 20%

BRACING-

TOP CHORD

BOT CHORD

2-10-7

LUMBER-

REACTIONS.

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

2x4 SP No.2

3=Mechanical, 2=0-3-8, 4=Mechanical (size)

Max Horz 2=84(LC 12)

Max Uplift 3=-22(LC 12), 2=-68(LC 12)

Max Grav 3=59(LC 17), 2=210(LC 1), 4=48(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021

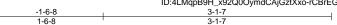


Job Truss Truss Type Qty T25901758 2935497 C3C Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:52 2021 Page 1

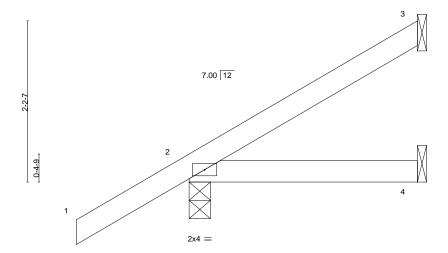
Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rCBrEGT8?1Q6fV?tCTMRp5SeWXXguEYiatt1sOyMExf



Scale = 1:15.7



		-	3-1-7 3-1-7			
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress lorr VFS	CSI. TC 0.16 BC 0.08 WB 0.00	DEFL. in Vert(LL) -0.00 Vert(CT) -0.01	(loc) I/defl 4-7 >999 4-7 >999	L/d 240 180	PLATES MT20

LUMBER-

BCDL

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

10.0

BRACING-TOP CHORD

BOT CHORD

Matrix-MP

Structural wood sheathing directly applied or 3-1-7 oc purlins. Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=88(LC 12)

Max Uplift 3=-25(LC 12), 2=-66(LC 12)

Max Grav 3=66(LC 17), 2=217(LC 1), 4=52(LC 3)

Code FBC2020/TPI2014

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



GRIP 244/190

FT = 20%

Weight: 13 lb

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

November 8,2021



Job	Truss	Truss Type	Qty	Ply		
2935497	C3G	Jack-Open	4	1	T25901759	
2335437	030	Jack Open	-	'	Job Reference (optional)	

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:53 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-JOIDRcTmmLYzGfa3lBtgLI_oixt?dgbrpXcaPqyMExe

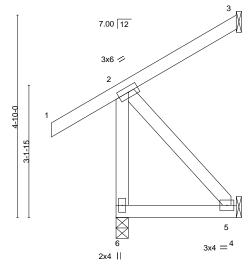
Structural wood sheathing directly applied or 2-10-7 oc purlins,

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

except end verticals.



Scale = 1:27.5



2-10-7	1
2-10-7	

BRACING-

TOP CHORD

BOT CHORD

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.00	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TP	PI2014	Matri	x-MP						Weight: 22 lb	FT = 20%

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

> 6=0-3-8, 3=Mechanical, 5=Mechanical (size) Max Horz 6=151(LC 12)

Max Uplift 6=-2(LC 8), 3=-19(LC 9), 5=-116(LC 12) Max Grav 6=218(LC 1), 3=47(LC 17), 5=98(LC 10)

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

WEBS 2-5=-172/259

NOTES-

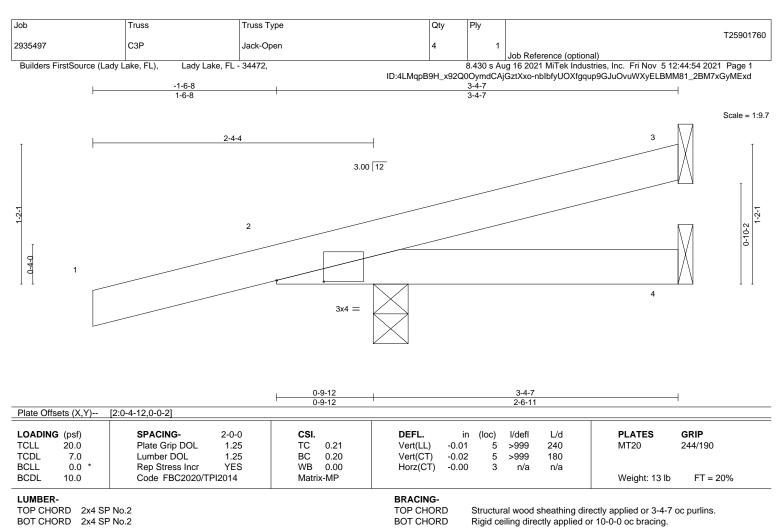
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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) 6, 3 except (jt=lb) 5=116.



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

November 8,2021





REACTIONS.

3=Mechanical, 2=0-3-8, 4=Mechanical (size)

Max Horz 2=39(LC 12)

Max Uplift 3=-9(LC 9), 2=-151(LC 12), 4=-20(LC 17) Max Grav 3=24(LC 1), 2=317(LC 1), 4=30(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=151.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021



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

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

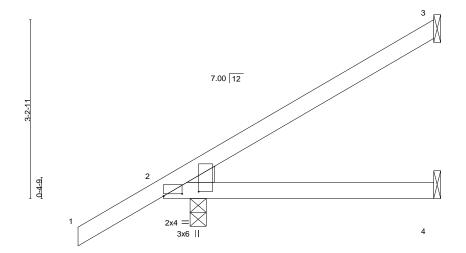


Job Truss Truss Type Qty T25901761 2935497 C5A Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:54 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nblbfyUOXfgqup9GJuOvuWXzULB8M81_2BM7xGyMExd

4-10-7 1-6-8 4-10-7

Scale = 1:20.8



₁ 0-5-12 ₁	4-10-7	1
0-5-12	4-4-11	

Plate Off	ate Offsets (X,Y) [2:0-4-0,0-0-8], [2:0-0-15,0-7-9]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.04	4-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.03	4-9	>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/TP	12014	Matri	x-AS	, ,					Weight: 19 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 WEDGE

Left: 2x4 SP No.3

REACTIONS. (size) 3=Mechanical, 4=Mechanical, 2=0-3-8

Max Horz 2=116(LC 12)

Max Uplift 3=-49(LC 12), 4=-21(LC 9), 2=-117(LC 12) Max Grav 3=93(LC 17), 4=74(LC 3), 2=305(LC 1)

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

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.
- * 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=117.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021

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



Job Truss Truss Type Qty T25901762 2935497 C5G Jack-Open 2

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

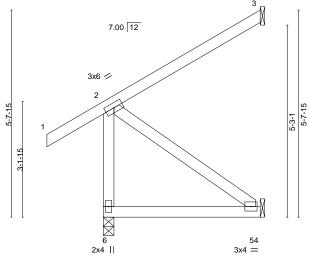
Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:55 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-FnszsIV0HypgWyjStcv8Qj48KIWd5a38Gr5hTjyMExc

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.



Scale = 1:31.5



1	4-3-8	1
	4-3-8	

BRACING-TOP CHORD

BOT CHORD

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-AS						Weight: 28 lb	FT = 20%

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. 6=0-3-8, 3=Mechanical, 5=Mechanical (size)

Max Horz 6=174(LC 12)

Max Uplift 3=-42(LC 12), 5=-77(LC 12)

Max Grav 6=260(LC 1), 3=96(LC 17), 5=95(LC 10)

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

2-5=-161/254 WEBS

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty T25901763 2935497 D01 Roof Special Girder Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:57 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CA_kH_XHpa3OlGtq_1xcV89OiY27ZlrRk9anYbyMExa 20-3-8

3-9-8

15-2-0

3-11-4

16-10-0

1-8-0

Structural wood sheathing directly applied or 2-7-9 oc purlins,

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

except end verticals.

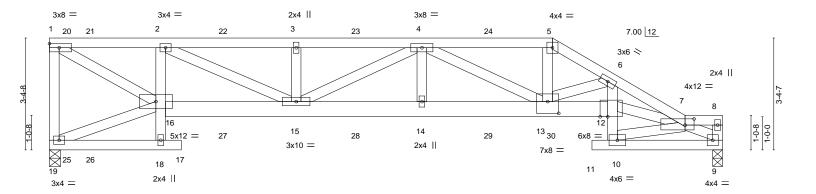
10-0-0 oc bracing: 16-18, 10-12

19-2-0

2-4-0

Scale = 1:34.7

1-1-8



3-6-0		7-5-4 3-11-4	11-2-12 3-9-8		15-2-0 3-11-4		16-10-0 1-8-0	19-2-0 2-4-0	1-1-8
	7:0-3-4,0-2-4], [12:0-2-1				3-11-4		1-6-0	2-4-0	1-1-0
Plate Offsets (A, f) [7.0-3-4,0-2-4], [12.0-2-1	2,0-0-0], [13.0-2	+-U,U-4-4 <u>]</u>						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defI	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.16 14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.90	Vert(CT)	-0.31 14-15	>773	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.83	Horz(CT)	0.19 9	n/a	n/a		
BCDL 10.0	Code FBC2020/T	PI2014	Matrix-MSH					Weight: 130 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-**BRACING-**

3-11-4

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

2-18: 2x4 SP No.3, 12-16: 2x6 SP No.2, 6-10: 2x4 SP No.1

2x4 SP No.3 *Except* WEBS

7-12: 2x4 SP No.2

(size) 19=0-4-0, 9=0-3-8

Max Horz 19=-106(LC 6)

Max Uplift 19=-158(LC 4), 9=-126(LC 8) Max Grav 19=1402(LC 1), 9=1209(LC 1)

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

TOP CHORD 1-19=-1288/195, 1-2=-1901/228, 2-3=-3046/317, 3-4=-3046/317, 4-5=-2672/296,

5-6=-2872/313, 6-7=-3838/395

BOT CHORD 2-16=-856/187, 15-16=-219/1975, 14-15=-299/3296, 13-14=-299/3296, 12-13=-322/3518,

10-12=-23/494, 6-12=-57/878, 9-10=-163/1506

WFBS 1-16=-229/2176, 2-15=-116/1197, 3-15=-293/108, 4-15=-283/47, 4-13=-713/88, 5-13=-70/1200, 6-13=-1130/129, 7-10=-990/124, 7-9=-1885/223, 7-12=-263/2755

NOTES-

REACTIONS.

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=158, 9=126
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 85 lb down and 62 lb up at 0-6-12, 89 lb down and 67 lb up at 1-3-4, 89 lb down and 67 lb up at 3-3-4, 77 lb down and 41 lb up at 5-3-4, 88 lb down and 56 lb up at 7-3-4, 88 lb down and 56 lb up at 9-3-4, 88 lb down and 56 lb up at 11-3-4, and 88 lb down and 56 lb up at 13-3-4, and 141 lb down and 121 lb up at 15-2-0 on top chord, and 61 lb down at 0-6-12, 49 lb down at 1-3-4, 49 lb down at 3-4-4, 74 lb down and 21 lb up at 5-3-4, 48 lb down at 7-3-4, 48 lb down at 9-3-4, 48 lb down at 11-3-4, and 48 lb down at 13-3-4, and 221 lb down and

44 lb up at 15-2-0 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

Continued on page 2



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

November 8,2021

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



Job	Truss	Truss Type	Qty	Ply	
2935497	D01	Roof Special Girder	1	1	T25901763
2933491		Troof Special Girder	'	'	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:57 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CA_kH_XHpa3OlGtq_1xcV89OiY27ZlrRk9anYbyMExa

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 5-7=-54, 7-8=-54, 18-19=-20, 17-18=-20, 12-16=-20, 10-11=-20, 9-10=-20

Concentrated Loads (lb)

Vert: 5=-36(B) 18=-37(B) 2=-64(B) 15=-48(B) 3=-56(B) 14=-48(B) 4=-56(B) 20=-79(B) 21=-64(B) 22=-36(B) 23=-56(B) 24=-56(B) 25=-43(B) 26=-37(B) 27=-74(B)

28=-48(B) 29=-48(B) 30=-221(B)

6904 Parke East Blvd. Tampa, FL 36610

Job Truss Truss Type Qty T25901764 2935497 D02 Roof Special Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:58 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-gMY6VKXvatBFNQS1YkSr2MietyUNloraypKL42yMExZ

13-2-0

Scale = 1:34.9

17-8-14 0-6-14

4-0-0

20-3-8

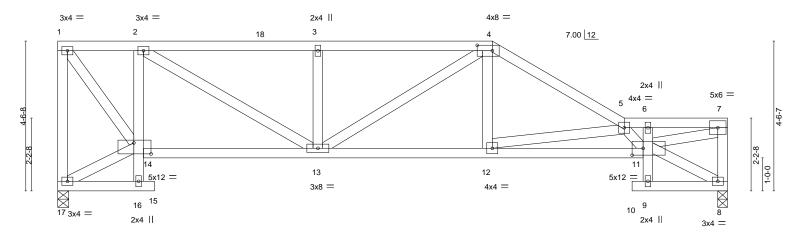
2-6-10

20-2-B

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 14-16, 9-11



H	2-7-2 5-3-7				5-3-7				4-6-14	2-6-1	
Plate Off	Plate Offsets (X,Y) [4:0-5-8,0-2-0], [11:0-4-0,0-2-8], [14:0-6-4,0-4-0]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	-0.07 11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.14 11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.09 8	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS					Weight: 127 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

12.2.0

LUMBER-

2x4 SP No.2 TOP CHORD

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

2-16,6-9: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS. (size) 17=0-4-0, 8=0-3-8

Max Horz 17=-144(LC 10)

Max Uplift 17=-76(LC 8), 8=-66(LC 12) Max Grav 17=750(LC 1), 8=750(LC 1)

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

 $1-17=-721/129,\ 1-2=-523/144,\ 2-3=-1140/240,\ 3-4=-1140/240,\ 4-5=-1272/215,$ TOP CHORD

5-3-7

7-10-0

5-6=-1604/203, 6-7=-1460/203, 7-8=-681/113

BOT CHORD 2-14=-579/168, 13-14=-119/565, 12-13=-182/1087, 11-12=-343/2006 **WEBS** 1-14=-126/857, 2-13=-131/683, 3-13=-302/143, 4-12=0/366, 5-12=-956/164,

5-11=-651/170, 7-11=-235/1544

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 7-1-12, Interior(1) 7-1-12 to 13-2-0, Exterior(2E) 13-2-0 to 17-2-0, Interior(1) 17-2-0 to 20-1-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 8.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021

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

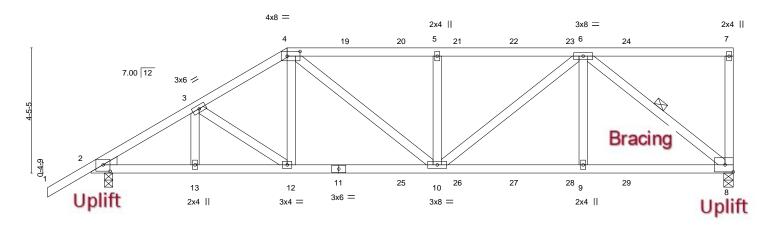
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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



Job Truss Truss Type Qty T25901765 2935497 D03 Half Hip Girder | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:00 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ckgsw?Z96VRzckcPg9VJ7nntlm5emj5tQ7pS9wyMExX 22-9-8 1-6-8 3-8-5 3-3-3 5-3-15 5-2-3 5-3-15

Scale = 1:40.9



2-9 ' 3-3-3	E 0.4E		
20 000	5-3-15	5-2-3	5-3-15
0,0-2-11], [4:0-5-8,0-2-0]			
SPACING- 2-0-0	CSI. DEFL.	in (loc) I/defl L/d	PLATES GRIP
Plate Grip DOL 1.25	TC 0.65 Vert(L	L) 0.13 10-12 >999 240	MT20 244/190
Lumber DOL 1.25	BC 0.78 Vert(C	T) -0.16 10-12 >999 180	
Rep Stress Incr NO	WB 0.54 Horz(C	CŤ) 0.06 8 n/a n/a	
Code FBC2020/TPI2014	Matrix-MSH `	,	Weight: 132 lb FT = 20%
	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr NO	SPACING- 2-0-0 CSI. DEFL. Plate Grip DOL 1.25 TC 0.65 Vert(LI Lumber DOL 1.25 BC 0.78 Vert(C Rep Stress Incr NO WB 0.54 Horz(C	SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl L/d Plate Grip DOL 1.25 TC 0.65 Vert(LL) 0.13 10-12 >999 240 Lumber DOL 1.25 BC 0.78 Vert(CT) -0.16 10-12 >999 180 Rep Stress Incr NO WB 0.54 Horz(CT) 0.06 8 n/a n/a

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

2-11: 2x4 SP No.1

2x4 SP No.3 WEBS

WEDGE

Left: 2x4 SP No.3

REACTIONS. (size) 8=0-4-0, 2=0-3-8

Max Horz 2=158(LC 24)

Max Uplift 8=-656(LC 8), 2=-683(LC 8) Max Grav 8=1433(LC 1), 2=1483(LC 1)

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

TOP CHORD 2-3=-2024/915, 3-4=-2069/991, 4-5=-2179/1072, 5-6=-2179/1072

2-13=-744/1669, 12-13=-744/1669, 10-12=-795/1783, 9-10=-687/1569, 8-9=-687/1569 **BOT CHORD**

4-12=-162/399, 4-10=-262/554, 5-10=-571/279, 6-10=-373/781, 6-9=-102/396, **WEBS**

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 115 lb down and 100 lb up at 6-11-8, 100 lb down and 95 lb up at 9-0-4, 100 lb down and 95 lb up at 13-0-4, 100 lb down and 95 lb up at 13-0-4, 100 lb down and 95 lb up at 15-0-4, and 100 lb down and 95 lb up at 17-0-4, and 100 lb down and 95 lb up at 19-0-4 on top chord, and 186 lb down and 175 lb up at 6-11-8, 72 lb down and 51 lb up at 9-0-4, 72 lb down and 51 lb up at 11-0-4, 72 lb down and 51 lb up at 13-0-4, 72 lb down and 51 lb up at 15-0-4, and 72 lb down and 51 lb up at 17-0-4, and 72 lb down and 51 lb up at 19-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2



Structural wood sheathing directly applied or 3-2-9 oc purlins,

6-8

Rigid ceiling directly applied or 6-7-9 oc bracing.

except end verticals.

1 Row at midpt

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

November 8,2021

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



Job	Truss	Truss Type	Qty	Ply	
2935497	D03	Half Hip Girder	1	1	T25901765
2933491	1503	Trail riip Girdei	'	'	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:00 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ckgsw?Z96VRzckcPg9VJ7nntlm5emj5tQ7pS9wyMExX

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 8-14=-20

Concentrated Loads (lb)

Vert: 4=-96(B) 11=-50(B) 12=-186(B) 19=-96(B) 20=-96(B) 21=-96(B) 22=-96(B) 23=-96(B) 25=-50(B) 25=-50(B) 25=-50(B) 27=-50(B) 28=-50(B) 29=-50(B) 29=-50(B)



Job Truss Truss Type Qty T25901766 2935497 D04 Roof Special 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:02 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

Structural wood sheathing directly applied, except end verticals.

5-21

Rigid ceiling directly applied. Except:

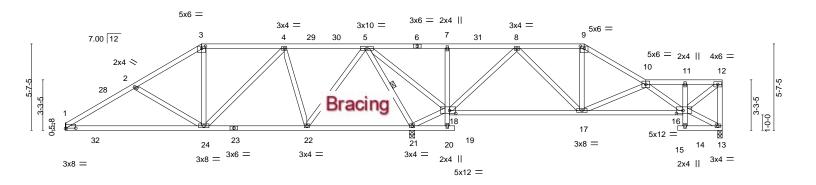
6-0-0 oc bracing: 18-20

1 Row at midpt

10-0-0 oc bracing: 14-16

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Y7ndKhaPe6hhs1monaXnCCslwZpyEb_AtRIYDpyMExV 8-10-0 24-11-2 29-3-9 33-8-0 37-8-0 40-0-14 42-7-8 4-6-13 4-3-3 5-4-6 5-4-6 5-4-6 4-4-7 4-4-7 4-0-0 2-4-14 2-6-10

Scale = 1:74.8



L	8-10-0	15-8-0	22-6-0	24-11-2	33-8-0	40-0-14 42-7-8
	8-10-0	6-10-0	6-10-0	2-5-2	8-8-14	6-4-14 2-6-10
Plate Offsets (X,Y)	[1:0-8-0,0-0-5], [3:0-3	3-0,0-1-12], [9:0-3-0	,0-1-12], [16:0-5-0,0-2-4],	, [18:0-4-12,0-2-4]		
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DO	L 1.25	TC 0.35	Vert(LL)	0.25 24-27 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.26 17-18 >929 180	
BCLL 0.0 *	Rep Stress Inc	or YES	WB 0.64	Horz(CT)	0.04 13 n/a n/a	
BCDL 10.0	Code FBC202	20/TPI2014	Matrix-AS	, ,		Weight: 252 lb FT = 20%

TOP CHORD

BOT CHORD

WEBS

LUMBER-BRACING-

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

7-20,11-14: 2x4 SP No.3

WEBS 2x4 SP No.3

(size) 1=Mechanical, 13=0-3-8, 21=0-4-0

Max Horz 1=153(LC 11)

Max Uplift 1=-267(LC 12), 13=-23(LC 12), 21=-459(LC 12) Max Grav 1=657(LC 21), 13=538(LC 22), 21=2013(LC 1)

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

TOP CHORD 1-2=-962/833, 2-3=-733/762, 3-4=-580/689, 4-5=-235/496, 5-7=-310/546, 7-8=-314/537,

8-9=-465/31, 9-10=-574/10, 10-11=-545/24, 11-12=-521/30, 12-13=-513/20 $1\hbox{-}24\hbox{--}827/806, 22\hbox{-}24\hbox{--}456/375, 21\hbox{--}22\hbox{--}341/51, 7\hbox{--}18\hbox{--}267/104, 16\hbox{--}17\hbox{--}3/856}$ 2-24=-268/238, 3-24=-279/189, 4-24=-247/332, 4-22=-554/297, 5-22=-626/806,

5-21=-1623/711, 18-21=-1099/380, 5-18=-29/751, 8-18=-849/272, 8-17=-100/487,

10-17=-448/100, 10-16=-394/45, 12-16=0/682

WEBS

REACTIONS.

BOT CHORD

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 7-0-0, Interior(1) 7-0-0 to 8-10-0, Exterior(2R) 8-10-0 to 15-10-0, Interior(1) 15-10-0 to 33-8-0, Exterior(2E) 33-8-0 to 37-8-0, Interior(1) 37-8-0 to 42-5-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 1=267, 21=459,
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty T25901767 2935497 D05 Roof Special 1 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:03 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0JL?Y1b1PQpYTBL_LH20IPPRsz9Rz2oJ6516IFyMExU

Structural wood sheathing directly applied, except end verticals.

4-19, 7-16

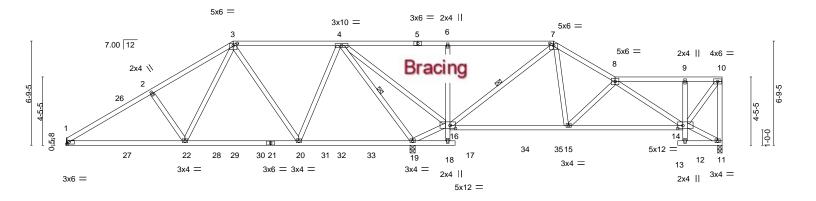
Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 16-18

10-0-0 oc bracing: 12-14 1 Row at midpt

31-8-0 17-10-9 24-11-2 35-8-0 40-0-14 5-6-13 5-3-3 7-0-9 7-0-9 6-8-14 4-0-0 4-4-14 2-6-10

Scale = 1:74.9



L	7	7-8-6	15-1-3	22-6-0	24-11-2	32-6-0	40-0-14	42-7-8
	7	7-8-6	7-4-13	7-4-13	2-5-2	7-6-14	7-6-14	2-6-10
Plate Offse	ets (X,Y)	[3:0-3-0,0-1-12], [7:0)-3-0,0-1-12], [14:0-4	1-0,0-2-4], [16:0-4-4,0-2-4				
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d PLATES	GRIP
TCLL	20.0	Plate Grip DC	L 1.25	TC 0.47	Vert(LL)	0.14 22-25 >999	240 MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.18 15-16 >999	180	
BCLL	0.0 *	Rep Stress In	cr YES	WB 0.67	Horz(CT)	0.05 11 n/a	n/a	
BCDL	10.0	Code FBC20	20/TPI2014	Matrix-AS			Weight: 2	260 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

6-18,9-12: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS. (size) 1=Mechanical, 11=0-3-8, 19=0-4-0

Max Horz 1=194(LC 11)

Max Uplift 1=-262(LC 12), 11=-19(LC 12), 19=-468(LC 12) Max Grav 1=723(LC 23), 11=620(LC 18), 19=2240(LC 2)

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

TOP CHORD $1-2 = -1024/814, \ 2-3 = -907/827, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \ 4-6 = -266/449, \ 6-7 = -263/434, \ 7-8 = -597/10, \ 3-4 = -286/451, \$

8-9=-463/36, 9-10=-434/36, 10-11=-589/8

BOT CHORD 1-22=-835/856, 20-22=-491/492, 6-16=-397/172, 15-16=0/355, 14-15=0/682 **WEBS** 2-22=-286/205, 3-22=-531/547, 3-20=-433/252, 4-20=-511/695, 4-19=-1860/813, 16-19=-1103/363, 4-16=-65/919, 7-16=-926/238, 7-15=0/605, 8-15=-388/107,

8-14=-345/11, 10-14=0/670

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 7-0-0, Interior(1) 7-0-0 to 10-10-0, Exterior(2R) 10-10-0 to 17-9-4, Interior(1) 17-9-4 to 31-8-0, Exterior(2E) 31-8-0 to 35-8-0, Interior(1) 35-8-0 to 42-5-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 1=262, 19=468,
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty T25901768 2935497 D06 Roof Special Job Reference (optional)

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:05 2021 Page 1

Structural wood sheathing directly applied, except end verticals.

3-22, 4-19

Rigid ceiling directly applied. Except:

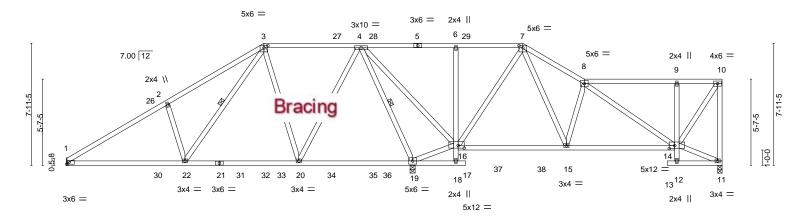
6-0-0 oc bracing: 16-18

10-0-0 oc bracing: 12-14

1 Row at midpt

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ziTlzjdlx13GjVUNSi5UqqUohnsHRvEcZPWDq8yMExS 25-5-9 29-8-0 33-8-0 39-6-7 42-7-8 6-6-13 6-3-3 6-3-12 6-3-12 4-2-7 4-0-0 5-10-8 3-1-1

Scale = 1:74.9



		7-8-6	15-1-3	22-6-0	1 25-5-9	32-6-0		39-6-7	42-7-8
	1 7	7-8-6	7-4-13	7-4-13	2-11-9	7-0-7	ı	7-0-7	3-1-1
Plate Offs	sets (X,Y)	[3:0-3-0,0-1-12], [7:0-3-0	,0-1-12], [14:0-	4-4,0-2-4], [16:0-4-12,0-2-0	0]				
LOADING	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.38	Vert(LL)	0.14 22-25 >999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.17 15-16 >999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.87	Horz(CT)	0.04 11 n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix-AS				Weight: 280 I	b FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

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

6-18,9-12: 2x4 SP No.3

2x4 SP No.3

WEBS

REACTIONS. (size) 1=Mechanical, 11=0-3-8, 19=0-4-0

Max Horz 1=235(LC 11)

Max Uplift 1=-264(LC 12), 11=-21(LC 12), 19=-460(LC 12) Max Grav 1=733(LC 23), 11=626(LC 18), 19=2269(LC 2)

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

TOP CHORD $1-2=-1017/791,\ 2-3=-961/866,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-4=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 4-6=-210/301,\ 6-7=-212/296,\ 7-8=-633/53,\ 3-2=-266/416,\ 3$

8-9=-422/57. 9-10=-400/54. 10-11=-582/17

BOT CHORD 1-22=-839/843, 20-22=-412/377, 19-20=-262/63, 6-16=-300/139, 14-15=0/538, 9-14=-287/119

> 2-22=-356/237, 3-22=-644/693, 3-20=-467/271, 4-20=-600/819, 4-19=-1859/822, 16-19=-852/318, 4-16=-118/959, 7-16=-713/197, 7-15=-50/767, 8-15=-419/145,

10-14=-11/643

NOTES-

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-0-0 to 7-0-0, Interior(1) 7-0-0 to 12-10-0, Exterior(2R) 12-10-0 to 19-10-0, Interior(1) 19-10-0 to 29-8-0, Exterior(2E) 29-8-0 to 33-8-0, Interior(1) 33-8-0 to 42-5-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 1=264, 19=460.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021

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

Design Valid to its 9 this with Min New Commercials. This design is based only upon parameters shown, and is 10 at an individual obtaining Component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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



Job Truss Truss Type Qty T25901769 2935497 D07 Roof Special Girder Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:06 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Ru18A3ewiLB7Kf3Z0QcjN21uRABXAOulo3GmMayMExR 6-1-12 5-10-4 6-0-0 8-0-0 1-10-4 0-1-12 1-10-4 0-1-12 9-6-0 10-0-0 1-6-0 0-6-0 14-0-0 18-2-4 4-2-4 22-8-0 4-5-12 Scale = 1:51.3

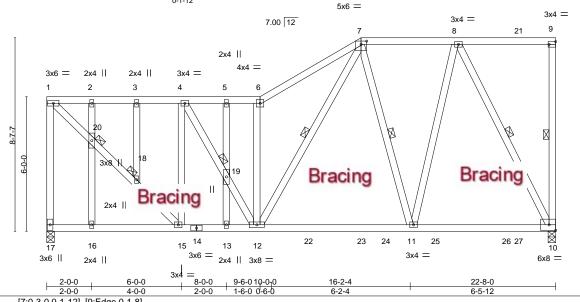


Plate Offsets (X,Y)-- [7:0-3-0,0-1-12], [9:Edge,0-1-8]

LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.12 11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.15 11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.71	Horz(CT)	0.02 10	n/a	n/a		
BCDL	10.0	Code FBC2020/TP	12014	Matri	x-AS					Weight: 198 lb	FT = 20%

BRACING-

WEBS

JOINTS

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 17=0-4-0, 10=0-4-0

Max Horz 17=277(LC 9) Max Uplift 17=-301(LC 12), 10=-340(LC 9) Max Grav 17=913(LC 2), 10=954(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 1-17=-808/578, 6-7=-1104/806, 7-8=-539/490, 1-2=-727/522, 2-3=-727/522, TOP CHORD

3-4=-727/522, 4-5=-908/643, 5-6=-908/643

16-17=-342/315, 15-16=-342/315, 13-15=-760/727, 12-13=-760/727, 11-12=-572/603, BOT CHORD

10-11=-390/404

WEBS 4-15=-470/329, 7-12=-599/660, 7-11=-286/248, 8-11=-508/581, 8-10=-861/679,

1-20=-753/1000, 18-20=-740/988, 15-18=-734/972, 6-12=-643/446, 4-19=-287/352,

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 7-1-12, Interior(1) 7-1-12 to 14-0-0, Exterior(2R) 14-0-0 to 21-0-0, Interior(1) 21-0-0 to 22-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=301, 10=340,
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

9-10, 7-12, 7-11, 8-10

Rigid ceiling directly applied.

1 Brace at Jt(s): 18, 19, 20

1 Row at midpt

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

November 8,2021



Job Truss Truss Type Qty T25901770 2935497 D08 Roof Special Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:08 2021 Page 1

6-5-0

6-5-0

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

5-3-4

4-0-0

5-6-12

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-NH9ublfAEyRqayDy8qeBST6IX_s9eIt2GNltRSyMExP 37-6-7 27-8-0 31-8-0

5-10-8

Structural wood sheathing directly applied, except end verticals.

3-24, 5-21, 6-21, 6-20

7-17

Rigid ceiling directly applied. Except:

10-0-0 oc bracing: 17-19, 13-15

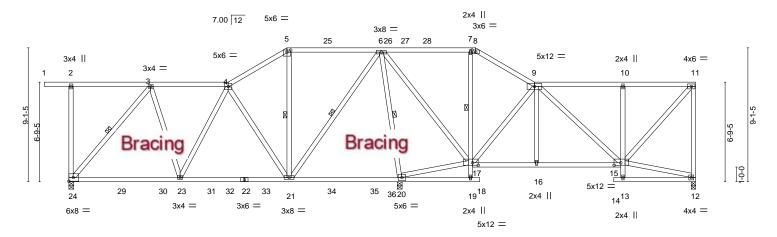
1 Row at midpt

1 Row at midpt

4-0-0

Scale = 1:78.4

5-1-1



		7-6-12	14-10-0	1 22-6-0		27-5-9 ₁	31-8-0	3/-	6-7	42-7-8		
		7-6-12	7-3-4	7-8-0		4-11-9	4-2-7	5-1	0-8	5-1-1		
Plate Offsets (X,Y) [5:0-3-0,0-1-12], [8:0-3-0,0-1-12], [15:0-5-8,0-2-0], [17:0-4-8,0-2-0]												
LOADING	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC 0.47	Vert(LL)	0.15 23-24	>999	240	MT20	244/190		
TCDL	7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.19 23-24	>999	180				
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.03 12	n/a	n/a				
BCDL	10.0	Code FBC2020/T	PI2014	Matrix-AS					Weight: 32	4 lb FT = 20%		

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2

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

7-19,10-13: 2x4 SP No.3

WEBS 2x4 SP No.3

REACTIONS. (size) 24=0-4-0, 12=0-3-8, 20=0-4-0

Max Horz 24=-260(LC 10)

Max Uplift 24=-367(LC 8), 12=-37(LC 12), 20=-422(LC 12) Max Grav 24=898(LC 23), 12=668(LC 18), 20=2108(LC 2)

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

TOP CHORD 3-4=-598/488, 4-5=-439/433, 5-6=-342/404, 9-10=-505/83, 10-11=-494/81,

11-12=-583/57

BOT CHORD $23-24 = -519/501, \ 21-23 = -586/595, \ 20-21 = -298/153, \ 16-17 = -15/478, \ 15-16 = -13/483, \ 16-17 = -15/478, \ 15-16 =$

10-15=-333/135

WEBS 3-24=-750/593, 3-23=-355/342, 4-21=-469/376, 6-21=-654/901, 6-20=-1736/807,

17-20=-523/174, 6-17=-133/871, 9-17=-634/103, 11-15=-24/654

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-8-0 to 5-6-12, Interior(1) 5-6-12 to 14-10-0, Exterior(2R) 14-10-0 to 21-10-0, Interior(1) 21-10-0 to 27-8-0, Exterior(2E) 27-8-0 to 31-8-0, Interior(1) 31-8-0 to 42-5-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 24=367, 20=422,
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty T25901771 2935497 D09 Roof Special 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:09 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rTjGo4qo_GZhB6o8hY9Q?qfQdO9ONiSCU1UQzvyMExO

25-8-0

4-5-0

21-3-0

4-5-0

16-10-0

4-0-0

6-5-0

29-8-0

4-0-0

6-4-4

Structural wood sheathing directly applied, except end verticals.

2-19, 10-11, 5-17, 5-15, 6-15, 7-15

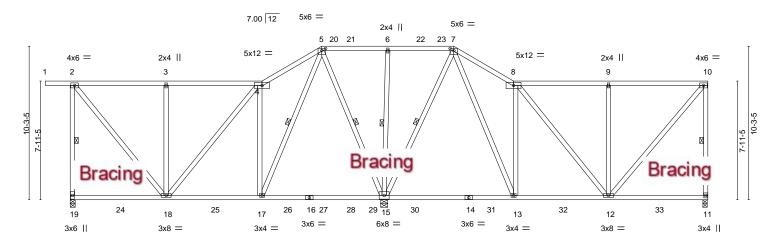
Rigid ceiling directly applied.

1 Row at midpt

Scale = 1:77.1

42-8-N

6-7-12



	0-5-0	12-10-0	21-0-1	23-0-0	30-0-4	42-7-0 42-p-0
	6-5-0	6-5-0	8-2-1	8-7-14	6-4-4	6-7-4 0-0-8
Plate Offsets (X,	/) [5:0-3-0,0-1-12], [7:0-3-0,0-1-12]				
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc) I/de	efl L/d	PLATES GRIP
TCLL 20.0	Plate Grip	DOL 1.25	TC 0.64	Vert(LL) 0.23 15-17 >99	9 240	MT20 244/190
TCDL 7.0	Lumber DC	DL 1.25	BC 0.80	Vert(CT) -0.29 13-15 >87	8 180	
BCLL 0.0	* Rep Stress	Incr YES	WB 0.92	Horz(CT) -0.01 11 n	/a n/a	
BCDL 10.0	Code FBC	2020/TPI2014	Matrix-AS			Weight: 331 lb FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 19=0-4-0, 11=0-3-8, 15=0-5-11

Max Horz 19=-298(LC 10)

6-5-0

Max Uplift 19=-346(LC 8), 11=-30(LC 9), 15=-468(LC 12) Max Grav 19=775(LC 23), 11=727(LC 24), 15=2338(LC 2)

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

2-19=-657/509, 2-3=-369/340, 3-4=-369/340, 4-5=-374/392, 5-6=-174/483, TOP CHORD

6-7=-171/478, 7-8=-516/105, 8-9=-474/95, 9-10=-474/95, 10-11=-587/73

12-10-0

BOT CHORD 18-19=-270/272, 17-18=-405/273, 15-17=-268/151, 13-15=-148/260, 12-13=-20/339 2-18=-496/562, 3-18=-376/145, 4-17=-532/385, 5-17=-747/889, 5-15=-932/649,

6-15=-271/122, 7-15=-973/187, 7-13=-115/1005, 8-13=-582/235, 9-12=-398/161,

10-12=-18/608

WEBS

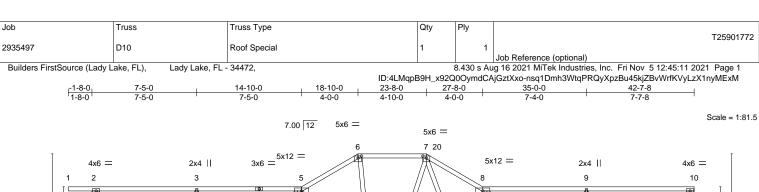
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-8-0 to 5-4-0, Interior(1) 5-4-0 to 16-10-0, Exterior(2R) 16-10-0 to 23-10-0, Interior(1) 23-10-0 to 25-8-0, Exterior(2E) 25-8-0 to 29-8-0, Interior(1) 29-8-0 to 42-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 19=346 15=468
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

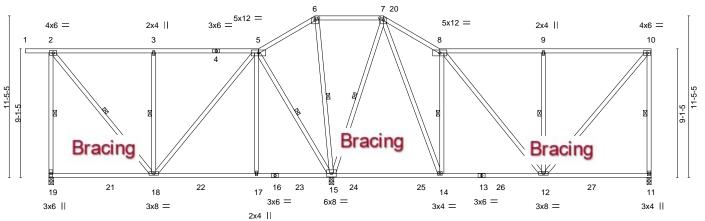


Philip J. O'Regan PE No.58126 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

November 8,2021







	7-5-0 14- ⁻ 7-5-0 7-5		27-8-0 7-8-0	35-0-0 7-4-0	42-7-8 7-7-8
Plate Offsets (X,Y)	[6:0-3-0,0-1-12], [7:0-3-0,0-1-12]				
LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	CSI. TC 0.81	DEFL. in (loc) Vert(LL) 0.16 18-19		PLATES GRIP MT20 244/190
TCDL 7.0 BCLL 0.0 *	Lumber DOL 1.25 Rep Stress Incr YES	BC 0.57 WB 0.76	Vert(CT) -0.23 11-12 Horz(CT) -0.01 11	>999 180	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS			Weight: 338 lb FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

(size) 19=0-4-0, 11=0-3-8, 15=0-4-0

Max Horz 19=-336(LC 10)

Max Uplift 19=-353(LC 8), 11=-48(LC 9), 15=-457(LC 12) Max Grav 19=746(LC 23), 11=800(LC 24), 15=2321(LC 2)

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

2-19=-620/484, 2-3=-321/304, 3-5=-321/304, 5-6=-195/491, 6-7=-145/433, TOP CHORD

7-8=-463/123, 8-9=-507/110, 9-10=-507/110, 10-11=-640/84

18-19=-303/314, 17-18=-255/96, 15-17=-254/98, 14-15=-196/285, 12-14=-49/303 BOT CHORD WEBS 2-18=-459/482, 3-18=-442/173, 5-18=-308/476, 5-17=-250/323, 5-15=-739/604,

6-15=-428/209, 7-15=-1069/210, 7-14=-160/1082, 8-14=-669/254, 8-12=-136/284,

9-12=-461/187, 10-12=-36/655

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-8-0 to 5-4-0, Interior(1) 5-4-0 to 18-10-0, Exterior(2E) 18-10-0 to 27-8-0, Interior(1) 27-8-0 to 42-5-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb)
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



2-19, 10-11, 2-18, 3-18, 5-15, 6-15, 7-15,

Structural wood sheathing directly applied, except end verticals.

8-14, 9-12

Rigid ceiling directly applied.

1 Row at midpt

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

November 8,2021

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



Job Truss Type Qty T25901773 2935497 D11 PIGGYBACK BASE Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Nov 8 14:34:55 2021 Page 1 Builders Firstsource, Plant City, FL, 33563 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-LgXoJ_qw?dkNJFAhai4lq3iHYLXTUO_au4yfbYyLE2U 12-0-0 13-9-0 19-1-0 20-10-0 26-4-11 31-11-5 37-9-8 7-8-12 5-3-15 1-9-0 5-6-11 7-8-12 4-3-4 1-9-0 7.00 12 5x6 = Scale = 1:73.2 5x6 = 3x4 = 5x6 = 4x6 = 2x4 || 5 3x6 = 3x4 = 5x6 = 3x4 -10 19 10-3-5 0-3-5 Bracing Bracing Bracing ä ₩ 123 20 21 22 16 25 2613 12 28 29 18 17 14 11 3x6 = 3x6 = 3x4 =3x4 || 3x8 = 3x10 =3x8 = 3x8 = 7-8-12 15-2-0 20-10-0 29-2-0 37-9-8 7-8-12 7-5-4 5-8-0 8-4-0 8-7-8 Plate Offsets (X,Y)--[4:0-3-0,0-1-12], [5:0-3-0,0-1-12], [10:Edge,0-1-8] LOADING (psf) SPACING-DEFL. PLATES GRIP 2-0-0 CSI (loc) I/defI L/d TCLL 20.0 Plate Grip DOL 1.25 TC 0.98 Vert(LL) 0.18 17-18 >977 240 MT20 244/190 **TCDL** 7.0 Lumber DOL 1.25 вс 0.90 Vert(CT) -0.35 11-12 >761 180 **BCLL** 0.0 YES WB 0.95 Horz(CT) Rep Stress Inci 0.01 11 Code FBC2020/TPI2014 Weight: 332 lb **BCDL** Matrix-AS FT = 20%LUMBER-**BRACING-**TOP CHORD 2x4 SP No.2 TOP CHORD Sheathed, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): **BOT CHORD** 2x4 SP No.2 1-3, 4-5, 6-10, **BOT CHORD** Rigid ceiling directly applied.

WFBS

1 Row at midpt

2x4 SP No.3 *Except* WFBS

1-17: 2x4 SP No.2

(size) 18=0-4-0, 11=0-3-8, 15=0-4-0

Max Horz 18=-346(LC 10)

Max Uplift 18=-253(LC 8), 11=-87(LC 9), 15=-362(LC 12) Max Grav 18=525(LC 23), 11=893(LC 17), 15=1944(LC 2)

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

TOP CHORD 1-18=-388/333, 3-4=-75/298, 4-5=-54/264, 5-6=-379/128, 6-19=-314/94, 7-19=-314/94, 7-8=-539/126. 8-9=-539/126

BOT CHORD 18-20=-342/355, 17-20=-342/355, 17-21=-284/223, 21-22=-284/223, 22-23=-284/223,

16-23=-284/223, 15-16=-284/223, 14-26=-129/487, 13-26=-129/487, 13-27=-129/487,

12-27=-129/487, 12-28=-126/413, 28-29=-126/413, 11-29=-126/413

1-17=-345/270, 2-17=-403/169, 3-17=-406/542, 3-15=-458/398, 4-15=-342/147,

5-15=-1030/154, 5-14=-112/978, 6-14=-311/120, 7-14=-417/142, 9-12=0/371,

9-11=-725/105

NOTES-

WEBS

REACTIONS.

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 7-1-12, Interior(1) 7-1-12 to 13-9-0, Exterior(2E) 13-9-0 to 20-10-0, Interior(1) 20-10-0 to 37-7-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 18, 87 lb uplift at joint 11 and 362 lb uplift at joint 15.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



1-18, 10-11, 2-17, 3-15, 4-15, 5-15, 6-14,

7-14, 7-12, 9-11

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

November 8,2021

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



Job Truss Truss Type Qty T25901774 2935497 D12 Flat Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:13 2021 Page 1

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-kFyneSjJ2U47gj5vwOEM9Wp3B?ZMJbLnPfSe6gyMExK

Structural wood sheathing directly applied, except end verticals.

1-6, 3-4, 1-5, 2-5, 3-5

Rigid ceiling directly applied.

1 Row at midpt

Scale = 1:62.3

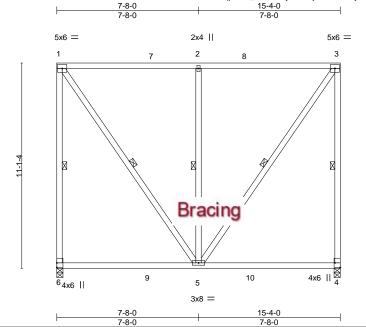


Plate Offsets (X,Y)-- [4:Edge,0-3-8]

LOADIN	IG (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)	0.24	5-6	>749	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	ВС	0.67	Vert(CT)	-0.20	4-5	>905	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-AS	, ,					Weight: 130 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

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

2-5: 2x4 SP No.3

REACTIONS. (size) 6=0-4-0, 4=0-4-0

Max Horz 6=-351(LC 8)

Max Uplift 6=-331(LC 8), 4=-331(LC 9) Max Grav 6=666(LC 2), 4=666(LC 2)

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

TOP CHORD 1-6=-543/818, 1-2=-273/352, 2-3=-273/352, 3-4=-543/818

BOT CHORD 5-6=-441/447

WEBS 1-5=-775/494, 2-5=-479/480, 3-5=-775/494

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3) 0-1-12 to 5-1-12, Exterior(2) 5-1-12 to 10-2-4, Corner(3) 10-2-4 to 15-2-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021





Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-gd4X38lZa6Krv1Fl2pGqExvY0pLanQL4tyxkAZyMExl

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

1-15, 7-9, 3-14, 6-10

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

except end verticals.

1 Row at midpt

Scale: 3/16"=1

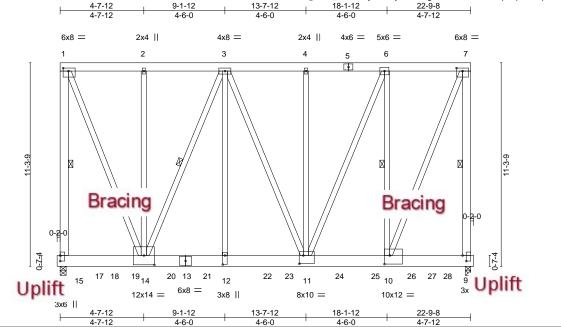


Plate Offsets (X,Y)-- [1:0-3-8,0-2-0], [7:0-4-0,0-2-0], [9:0-3-12,0-2-8], [10:0-3-8,0-5-12], [11:0-2-12,0-5-8], [12:0-6-0,0-1-8], [14:0-7-0,0-6-4], [15:0-3-12,0-0-0]

LOADIN	· ·	SPACING- 2-0-			(loc) I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.2		Vert(LL) -0.13 1		240	MT20	244/190
TCDL	7.0	Lumber DOL 1.29	5 BC 0.24	Vert(CT) -0.22 1	1-12 >999	180		
BCLL	0.0 *	Rep Stress Incr NO) WB 0.95	Horz(CT) 0.02	9 n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014	Matrix-MS				Weight: 630 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x8 SP 2400F 2.0E 2x4 SP No.3 *Except* **WEBS**

1-15,7-9: 2x6 SP M 26, 1-14,7-10: 2x4 SP No.2

REACTIONS. (size) 15=0-4-0, 9=0-3-8 (req. 0-3-9)

Max Horz 15=-349(LC 4)

Max Uplift 15=-899(LC 4), 9=-994(LC 5)

Max Grav 15=8379(LC 2), 9=8546(LC 2)

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

 $1 - 15 = -7540/827, \ 1 - 2 = -3052/424, \ 2 - 3 = -3052/424, \ 3 - 4 = -4494/580, \ 4 - 6$ TOP CHORD

6-7=-3003/437 7-9=-7372/855

BOT CHORD 14-15=-309/283, 12-14=-636/4511, 11-12=-636/4511, 10-11=-427/3003 **WEBS**

1-14=-858/7919, 2-14=-313/153, 3-14=-3781/488, 3-12=-268/3320, 4-11=-265/92,

6-11=-462/3866, 6-10=-3650/529, 7-10=-892/7775

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) 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.
- 8) WARNING: Required bearing size at joint(s) 9 greater than input bearing size.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1356 lb down and 132 lb up at 2-1-4, 1346 lb down and 140 lb up at 4-1-4, 1341 lb down and 140 lb up at 6-1-4, 1333 lb down and 140 lb up at 8-1-4, 1353 lb down and 134 lb up at 9-5-4, 1343 lb down and 143 lb up at 11-5-4, 1395 lb down and 161 lb up at 13-5-4, 1387 lb down and 161 lb up at 15-5-4, 1383 lb down and 161 lb up at 17-5-4, and 1394 lb down and 160 lb up at 19-5-4, and 1159 lb down and 169 lb

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

November 8,2021

Continued வி நக்குல bottom chord. The design/selection of such connection device(s) is the responsibility of others. \Lambda 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

Job	Truss	Truss Type	Qty	Ply	
2935497	D13	Flat Girder	1	_	T25901775
2333437	D13	l lat Gilder	'	2	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:15 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-gd4X38lZa6Krv1Fl2pGqExvY0pLanQL4tyxkAZyMExI

LOAD CASE(S) Standard

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

Vert: 1-2=-89, 2-7=-54, 8-16=-20

Concentrated Loads (lb)

Vert: 12=-1177(F) 11=-1201(F) 17=-1181(F) 19=-1167(F) 20=-1167(F) 21=-1167(F) 22=-1161(F) 24=-1201(F) 25=-1201(F) 26=-1201(F) 28=-1004(F)

Job Truss Truss Type Qty T25901776 2935497 D14 Roof Special Girder 1 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:16 2021 Page 1

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

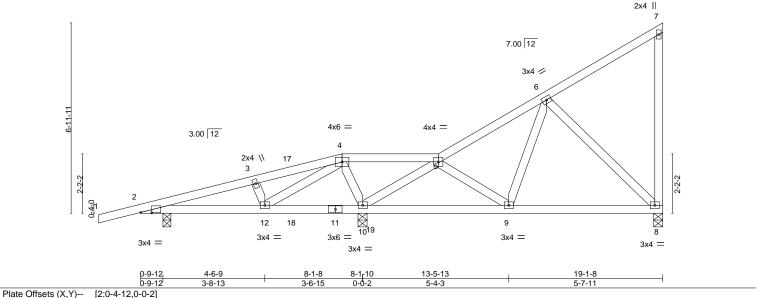
Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals.

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8pewGUIBLPSiXBqUcWn3n9RglCfnW1yE5chlj?yMExH 14-10-7 10-10-13 19-1-8 1-6-8 4-2-8 3-2-0 3-6-5 3-11-9 4-3-1

Scale = 1:42.2



LOADING (ps	sf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.	.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.04	10-12	>999	240	MT20	244/190
TCDL 7.	.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.05	8-9	>999	180		
BCLL 0.	.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.	.0	Code FBC2020/TF	PI2014	Matri	x-MSH						Weight: 104 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 8=0-4-0, 2=0-3-8, 10=0-4-0

Max Horz 2=228(LC 7)

Max Uplift 8=-72(LC 18), 2=-171(LC 8), 10=-352(LC 8) Max Grav 8=371(LC 13), 2=374(LC 1), 10=1217(LC 1)

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

TOP CHORD 4-5=-234/605, 5-6=-387/57

BOT CHORD 2-12=-280/197, 10-12=-364/145, 9-10=-129/255

WFBS 4-12=-265/595, 4-10=-651/256, 5-10=-698/137, 6-8=-312/98

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb)
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 15 lb down and 29 lb up at 5-6-4, and 108 lb down and 77 lb up at 7-4-8 on top chord, and 230 lb down and 118 lb up at 5-6-4, and 78 lb down and 31 lb up at 7-5-4 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, 4-5=-54, 5-7=-54, 8-13=-20

Concentrated Loads (lb)

Vert: 4=-108(B) 18=-230(B) 19=-55(B)



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

November 8,2021

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

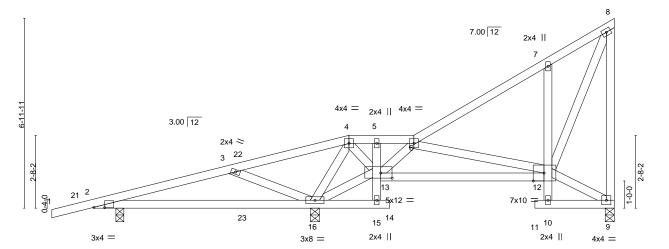
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty T25901777 2935497 D15 Roof Special Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:17 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-c0BlUqmp6jaZ9LPg9DlIJM_suc?1FVTNKGQrFRyMExG 10-6-8 11-9-2 1-2-0 1-2-10 16-6-8 19-1-8 5-2-8 5-2-8 4-2-0 4-9-6 2-7-0

> 3x4 🥢 Scale = 1:42.3



0-9-12 0-9-12 10-6-8 16-6-8 19-1-8

BRACING-

TOP CHORD

BOT CHORD

Plate Offsets (X,Y)	[2:0-4-12,0-0-2], [12:0-4-12,Edge], [13:0-5-0,0-2-4]

LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	CSI. TC 0.37 BC 0.37 WB 0.15	DEFL. in (loc) l/defl L/d Vert(LL) 0.12 16-20 >777 240 Vert(CT) -0.10 16-20 >992 180 Horz(CT) 0.01 9 n/a n/a	PLATES GRIP MT20 244/190
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS	11012(01) 0.01 3 104 104	Weight: 118 lb FT = 20%

LUMBER-

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

5-15,7-10: 2x4 SP No.3

1-6-8

WEBS 2x4 SP No.3

REACTIONS. (size) 9=0-4-0, 2=0-3-8, 16=0-4-0

Max Horz 2=227(LC 11)

Max Uplift 9=-43(LC 9), 2=-157(LC 12), 16=-161(LC 12) Max Grav 9=338(LC 17), 2=301(LC 1), 16=882(LC 1)

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

3-4=-201/529, 6-7=-280/53, 8-9=-322/167 TOP CHORD

BOT CHORD 2-16=-483/55. 12-13=-190/312

WEBS 3-16=-396/387, 4-16=-627/129, 13-16=-259/98, 4-13=0/271, 6-13=-376/183,

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 9-4-8, Exterior(2E) 9-4-8 to 11-9-2, Interior(1) 11-9-2 to 18-11-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=157, 16=161.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied. Except:

6-0-0 oc bracing: 13-15

10-0-0 oc bracing: 10-12

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

November 8,2021



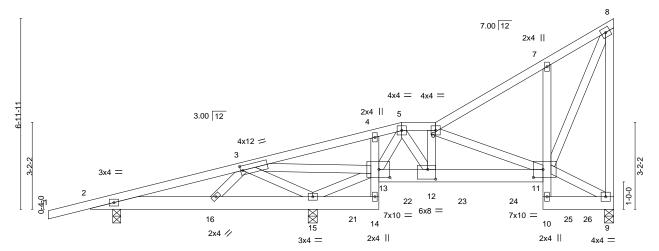
Job Truss Truss Type Qty Ply T25901778 2935497 D16 Roof Special Girder 2 Job Reference (optional)

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:19 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YOJ2vVo4eKqGOeZ3HeLmPn3DFQgPjHpgnavyKKyMExE

11-4-8 12-7-6 0-10-0 1-2-14 16-6-8 19-1-8 1-6-8 4-9-0 3-11-2 2-7-0

> 4x4 🥢 Scale = 1:42.1



Offsets (X,Y)	[3:0-0-14,0-2-0], [11:0	-4-4,0-3-8], [12:0-3	3-8,0-4-4], [13:0-4-12,0-3-	8]				
	b-9-12 ^l	3-9-4	3-6-8	2-5-0	2-0-14	3-11-2	2-7-0	

10-6-8

8-1-8

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.04 11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.08 11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.67	Horz(CT)	0.04 9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI	2014	Matri	x-MSH					Weight: 276 lb	FT = 20%

LUMBER-

Plate Off

2x4 SP No.2 TOP CHORD **BOT CHORD** 2x6 SP No.2 *Except*

4-14,7-10: 2x4 SP No.3

ρ-9-12

WEBS 2x4 SP No.3 BRACING-

BOT CHORD

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

12-7-6

except end verticals.

16-6-8

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

19-1-8

6-0-0 oc bracing: 2-16,15-16.

REACTIONS. (size) 9=0-4-0, 15=0-4-0, 2=0-3-8

Max Horz 2=224(LC 5)

Max Uplift 9=-440(LC 5), 15=-453(LC 8), 2=-336(LC 21) Max Grav 9=2353(LC 1), 15=2951(LC 1), 2=230(LC 14)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-206/1183, 3-4=-690/78, 4-5=-776/99, 5-6=-2176/275, 6-7=-1008/164,

7-8=-959/205. 8-9=-1492/251

BOT CHORD 2-16=-1114/149, 15-16=-1070/151, 12-13=-237/1358, 11-12=-312/2178, 10-11=-150/705 **WEBS** 3-15=-2025/356, 13-15=-3331/484, 3-13=-463/3502, 5-13=-1310/161, 5-12=-215/1574,

4-7-0

6-11=-1461/193, 8-11=-320/2053

NOTES-

1) 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, 2x4 - 1 row at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) 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) except (jt=lb) 9=440, 15=453, 2=336.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 621 lb down and 89 lb up at 9-7-4, 623 lb down and 90 lb up at 11-7-4, 623 lb down and 93 lb up at 13-7-4, 456 lb down and 72 lb up at 15-5-12, and 489 lb down and 65 lb up at 17-5-12, and 1017 lb down and 286 lb up at 18-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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

November 8,2021

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



Job Truss Truss Type Qty Ply T25901778 2935497 D16 Roof Special Girder

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:19 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YOJ2vVo4eKqGOeZ3HeLmPn3DFQgPjHpgnavyKKyMExE

LOAD CASE(S) Standard

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

Vert: 1-5=-54, 5-6=-54, 6-8=-54, 2-14=-20, 11-13=-20, 9-10=-20

Concentrated Loads (lb)

Vert: 21=-621(F) 22=-623(F) 23=-623(F) 24=-456(F) 25=-465(F) 26=-1017(F)

6904 Parke East Blvd. Tampa, FL 36610

Job Truss Truss Type Qty T25901779 2935497 D17 **GABLE**

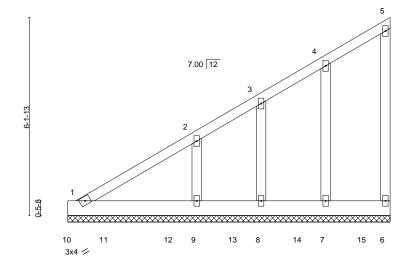
Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

| Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:20 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0btQ6roiPey70o8FrMs?x?cPDq2RSuhp0EfVsmyMExD

10-0-0 10-0-0

Scale = 1:35.7



LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 *	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr NO	CSI. TC 0.24 BC 0.20 WB 0.05	Vert(CT)	in (loc) n/a - n/a - 0.00 6	n/a	L/d 999 999 n/a	PLATES GRIP MT20 244/190
BCDL 10.0	Code FBC2020/TPI2014	Matrix-SH	H012(C1) -0.	0.00 6	n/a	n/a	Weight: 62 lb FT = 20%

LUMBER-BRACING-

TOP CHORD 2x4 SP No.2 2x6 SP No.2 **BOT CHORD**

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

Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.

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

REACTIONS. All bearings 10-0-0.

Max Horz 10=198(LC 5) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 6, 8 except 1=-346(LC 8), 10=-811(LC 1), 7=-130(LC 8), 9=-170(LC

Max Grav All reactions 250 lb or less at joint(s) 6, 8 except 1=1125(LC 1), 10=295(LC 8), 7=352(LC 1), 9=481(LC

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 8 except (jt=lb) 1=346, 10=811, 7=130, 9=170.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 158 lb down and 81 lb up at 1-1-12, 158 lb down and 81 lb up at 3-1-12, 158 lb down and 81 lb up at 5-1-12, and 158 lb down and 81 lb up at 7-1-12, and 161 lb down and 78 lb up at 9-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-5=-54, 6-10=-20



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

November 8,2021

Continued on page 2



Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not 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



Job	Truss	Truss Type	Qty	Ply	
2935497	D17	GABLE	1	1	T25901779
2500407		ONBEE			Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:20 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0btQ6roiPey70o8FrMs?x?cPDq2RSuhp0EfVsmyMExD

LOAD CASE(S) Standard

Concentrated Loads (lb)

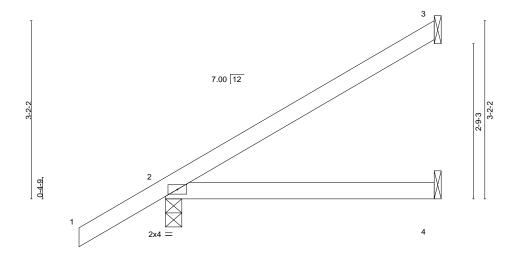
Vert: 11=-158(B) 12=-158(B) 13=-158(B) 14=-158(B) 15=-161(B)

Job Truss Truss Type Qty T25901780 2935497 E4 Jack-Open 5 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:20 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0btQ6roiPey70o8FrMs?x?cPHq2CSuTp0EfVsmyMExD

4-9-8 -1-6-8 1-6-8 4-9-8

Scale = 1:20.5



4-9-8 CSI. DEFL. I/defI L/d (loc) TC Vert(LL) -0.02 >999 240 0.23 4-7 ВС 0.21

Vert(CT) -0.04 >999 180 Horz(CT) 0.00 3 n/a n/a

PLATES GRIP 244/190 MT20

Weight: 18 lb FT = 20%

LUMBER-

TCLL

TCDL

BCLL

BCDL

LOADING (psf)

20.0

7.0

0.0

10.0

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

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied.

Rigid ceiling directly applied.

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=115(LC 12)

Max Uplift 3=-48(LC 12), 2=-58(LC 12)

SPACING-

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Max Grav 3=113(LC 17), 2=272(LC 1), 4=83(LC 3)

Code FBC2020/TPI2014

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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

WB

Matrix-AS

0.00

- 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.

2-0-0

1.25

1.25

YES

- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty T25901781 2935497 E5 Jack-Open 3 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:21 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-VnRoKBpKAy4_dyjSO3NEUC8ZPDOuBLjzFuO3OCyMExC 5-1-8 1-6-8 Scale = 1:21.5 7.00 12 0-4-9

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

Plate Offs	sets (X,Y)	[2:0-1-7,0-1-0]										
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	0.27	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.25	Vert(CT)	-0.06	4-7	>999	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/T	PI2014	Matri	x-AS						Weight: 19 lb	FT = 20%

LUMBER-

REACTIONS.

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

> (size) 3=Mechanical, 2=0-3-8, 4=Mechanical

Max Horz 2=120(LC 12) Max Uplift 3=-52(LC 12), 2=-57(LC 12)

Max Grav 3=122(LC 17), 2=283(LC 1), 4=89(LC 3)

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

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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

2x4

- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021



Job Truss Truss Type Qty T25901782 2935497 E5A Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:22 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-zz?BXXqyxFCrF6HeynuT0Qhmydirwoz6UY8cwfyMExB 3-5-0 1-6-8 1-8-8 Scale = 1:21.5 3x4 || 7.00 12 3 2-4-7 4x4 = 1-0-0 0-4-9 8 2x4 || 2x4 =

		3-3-0		1-0-0	
LOADING (psf) TCLL 20.0	SPACING- 2-0-0 Plate Grip DOL 1.25	CSI. TC 0.16	DEFL. in Vert(LL) -0.02	(loc) I/defl L/d 7 >999 240	PLATES GRIP MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.33	Vert(CT) -0.03	7 >999 180	
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code FBC2020/TPI2014	WB 0.00 Matrix-AS	Horz(CT) 0.01	5 n/a n/a	Weight: 23 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

2x4 SP No.2

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

3-8: 2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical

Max Horz 2=120(LC 12)

Max Uplift 4=-27(LC 12), 2=-55(LC 12), 5=-1(LC 12)

Max Grav 4=93(LC 17), 2=287(LC 1), 5=97(LC 17)

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

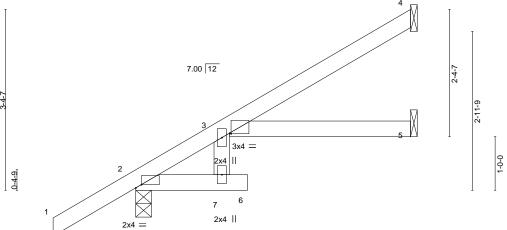


6904 Parke East Blvd. Tampa FL 33610

November 8,2021



Job Truss Truss Type Qty T25901783 2935497 E5B Jack-Open | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:23 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-RAZZktrahZKitGsqWUPiZdEu113?fFDGiCtAT5yMExA 1-6-8 1-9-0 3-4-8 Scale = 1:21.5



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

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl	L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.33	Vert(LL) -0.04 6 >999	240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.27	Vert(CT) -0.08 6 >763	180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.04 5 n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS			Weight: 21 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

REACTIONS.

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

3-7: 2x4 SP No.3

(size) 4=Mechanical, 2=0-3-8, 5=Mechanical

Max Horz 2=120(LC 12)

Max Uplift 4=-42(LC 12), 2=-53(LC 12)

Max Grav 4=115(LC 17), 2=289(LC 1), 5=88(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021



Job Truss Truss Type Qty T25901784 2935497 E5G Half Hip Girder 2

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:24 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vM7xyDrCStSZUQR14Cwx6rm3eRRsOfePxsdj?XyMEx9

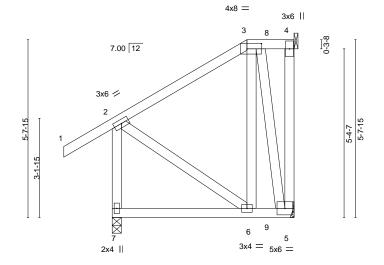
Structural wood sheathing directly applied or 5-9-8 oc purlins,

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

except end verticals.



Scale = 1:36.7



4-3-8	5-9-8
4-3-8	1-6-0

Plate Of	fsets (X,Y)	[3:0-5-8,0-2-0]										
LOADIN	IG (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.25	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MP						Weight: 55 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

(size) 5=Mechanical, 7=0-3-8, 4=Mechanical

Max Horz 7=195(LC 5)

Max Uplift 5=-466(LC 5), 7=-152(LC 8), 4=-28(LC 4) Max Grav 5=448(LC 19), 7=359(LC 26), 4=62(LC 1)

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

TOP CHORD 2-7=-322/170

WEBS 3-6=-363/372, 3-5=-435/416

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=466, 7=152.

9) n/a

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 62 lb down and 56 lb up at 4-3-8, and 69 lb down and 55 lb up at 5-0-4 on top chord, and 265 lb down and 370 lb up at 4-3-8, and 85 lb down and 93 lb up at 5-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-2=-54, 2-3=-54, 3-4=-54, 5-7=-20

Concentrated Loads (lb)

Vert: 3=-23(B) 6=-64(B) 8=-48(B) 9=-26(B)



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

November 8,2021

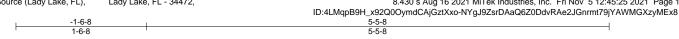
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

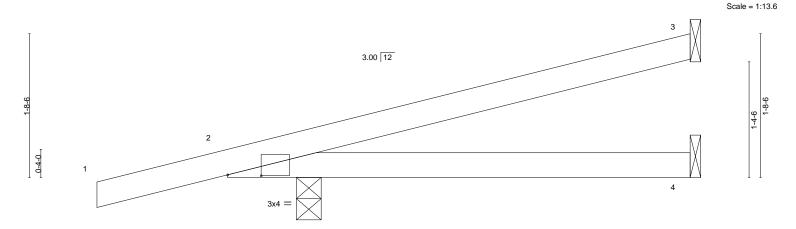
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601









	0-9-1 0-9-1		5-5-8 4-7-12	
Plate Offsets (X,Y)	[2:0-4-12,0-0-2]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.25	Vert(LL) 0.04 4-8 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.24	Vert(CT) -0.03 4-8 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) -0.00 3 n/a n/a	I
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 19 lb FT = 20%

LUMBER-BRACING-

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied. BOT CHORD 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied.

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical (size)

Max Horz 2=54(LC 12)

Max Uplift 3=-33(LC 12), 2=-157(LC 12), 4=-17(LC 9) Max Grav 3=92(LC 1), 2=358(LC 1), 4=75(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2 = 157.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021



Job Truss Truss Type Qty T25901786 2935497 E6G Jack-Closed Girder 2 1 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:26 2021 Page 1

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rlEhNutT_UjHkjbPBczPBGsMCEycsZWiOA6q3QyMEx7

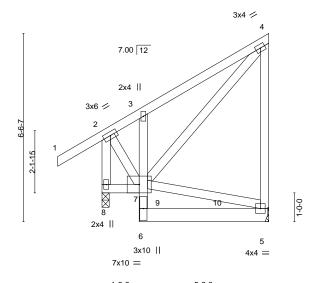
Structural wood sheathing directly applied or 5-9-8 oc purlins,

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

except end verticals.

5-9-8 1-6-8 1-3-8 4-6-0

Scale = 1:40.0



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	0.46	Vert(LL)	-0.05	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.08	5-6	>852	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.22	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-MP						Weight: 59 lb	FT = 20%

4-6-0

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

7-8: 2x4 SP No.2, 5-6: 2x6 SP No.2

WEBS 2x4 SP No.3

REACTIONS. (size) 8=0-3-0, 5=Mechanical

Max Horz 8=213(LC 7)

Max Uplift 8=-171(LC 8), 5=-201(LC 5) Max Grav 8=787(LC 1), 5=761(LC 25)

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

2-8=-774/179, 2-3=-387/123, 3-4=-428/169, 4-5=-333/149 TOP CHORD

BOT CHORD 6-7=-115/726

WFBS 2-7=-65/602. 4-7=-223/549

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=171, 5=201
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 548 lb down and 121 lb up at 2-0-4, and 548 lb down and 121 lb up at 4-0-4 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, 7-8=-20, 5-6=-20

Concentrated Loads (lb)

Vert: 9=-501(F) 10=-501(F)



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

November 8,2021

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



Job Truss Truss Type Qty T25901787 2935497 E7 Jack-Open 10 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:26 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rlEhNutT_UjHkjbPBczPBGsL2E1MscyiOA6q3QyMEx7 6-11-8 1-6-8 6-11-8 Scale = 1:26.6 7.00 12 0-4-9 3x4 =

LUMBER-

TCLL

TCDL

BCLL

BCDL

LOADING (psf)

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

20.0

7.0

0.0

10.0

BRACING-

6-11-8

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

TOP CHORD BOT CHORD Structural wood sheathing directly applied.

L/d

240

180

n/a

PLATES

Weight: 25 lb

MT20

GRIP

244/190

FT = 20%

Rigid ceiling directly applied.

I/defI

>962

>421

n/a

(loc)

4-7

2

-0.09

-0.20

0.01

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical

SPACING-

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Max Horz 2=150(LC 12)

Max Uplift 3=-76(LC 12), 2=-52(LC 12)

Max Grav 3=173(LC 17), 2=348(LC 1), 4=122(LC 3)

Code FBC2020/TPI2014

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 6-10-12 zone; cantilever left and right exposed; 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

CSI.

TC

ВС

WB

Matrix-AS

0.53

0.48

0.00

- 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.

2-0-0

1.25

1.25

YES

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty T25901788 2935497 E7P Jack-Open 8 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:27 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Jxo4aEu5lor8MtAblKUejTOX0eNZb3CrdqrNcsyMEx6 6-11-8 1-6-8 6-11-8 Scale = 1:27.9 10 7.00 12 0-4-9 11 3x4 =3x6 || Plate Offsets (X,Y)--[2:0-0-9,0-0-0], [2:0-0-15,0-7-9] SPACING-DEFL. GRIP LOADING (psf) 2-0-0 CSI. in (loc) I/defI L/d **PLATES**

TCLL

20.0 Plate Grip DOL 1.25 TC 0.46 TCDL 7.0 Lumber DOL 1.25 ВС 0.48 **BCLL** 0.0 Rep Stress Incr YES WB 0.00 Code FBC2020/TPI2014 **BCDL** 10.0 Matrix-AS

Vert(LL) 0.20 4-9 >417 240 Vert(CT) 0.15 4-9 >549 180 Horz(CT) -0.03 n/a n/a

244/190 MT20

FT = 20% Weight: 26 lb

LUMBER-

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

WEDGE Left: 2x4 SP No.3 **BRACING-**

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied.

Rigid ceiling directly applied.

REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8

Max Horz 2=150(LC 12)

Max Uplift 3=-80(LC 12), 4=-31(LC 12), 2=-130(LC 12) Max Grav 3=150(LC 1), 4=112(LC 3), 2=374(LC 1)

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

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 6-10-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.
- * 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=130.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021

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

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



Job Truss Truss Type Qty T25901789 2935497 E7S Jack-Open 9 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:28 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-n7MSoavjW5z?z1loJ1?tGhxhs2j7KWS?sUbw8lyMEx5 6-10-0 1-6-8 6-10-0 Scale = 1:26.3 7.00 12 3-11-8 0-4-9 3x4 =6-10-0 6-10-0

LUMBER-

TCLL

TCDL

BCLL

BCDL

LOADING (psf)

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

20.0

7.0

0.0

10.0

BRACING-

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

TOP CHORD BOT CHORD Structural wood sheathing directly applied.

L/d

240

180

n/a

PLATES

Weight: 25 lb

MT20

GRIP

244/190

FT = 20%

Rigid ceiling directly applied.

I/defI

>999

>445

n/a

(loc)

4-7

2

-0.08

-0.18

0.01

REACTIONS. 3=Mechanical, 2=0-3-8, 4=Mechanical

SPACING-

Plate Grip DOL

Rep Stress Incr

Lumber DOL

Max Horz 2=148(LC 12)

Max Uplift 3=-74(LC 12), 2=-52(LC 12)

Max Grav 3=170(LC 17), 2=343(LC 1), 4=120(LC 3)

Code FBC2020/TPI2014

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 6-9-4 zone; cantilever left and right exposed; 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

CSI.

TC

ВС

WB

Matrix-AS

0.51

0.46

0.00

- 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.

2-0-0

1.25

1.25

YES

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021



Job Truss Truss Type Qty Ply T25901790 2935497 G01 Half Hip Girder 2 Z Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:29 2021 Page 1

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

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

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

except end verticals.

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-GKwq?wvLHP5sbBK_slW6ouUwaSyu3mM858KUglyMEx4 12-8-8 8-8-8 . 15-0-8 1-6-8 4-8-8 4-0-0 4-0-0 2-4-0

Scale = 1:45.6

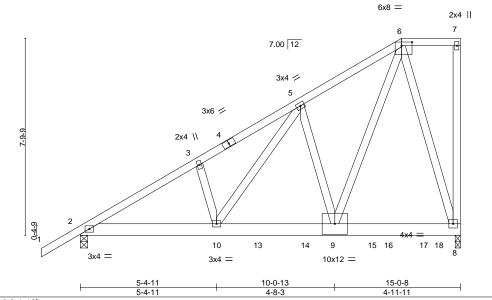


Plate Offsets (X,Y)--[6:0-5-0,0-1-12] DEFL. LOADING (psf) SPACING-2-0-0 CSI. in (loc) I/defI L/d **PLATES GRIP** TCLL 20.0 Plate Grip DOL 1.25 TC 0.26 Vert(LL) -0.08 9-10 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 ВС 0.94 Vert(CT) -0.15 9-10 >999 180 **BCLL** 0.0 Rep Stress Incr NO WB 0.85 Horz(CT) 0.02 8 n/a n/a Code FBC2020/TPI2014 FT = 20% **BCDL** 10.0 Matrix-MSH Weight: 231 lb

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

Max Horz 2=273(LC 18) Max Uplift 2=-53(LC 8)

Max Grav 8=4432(LC 2), 2=2275(LC 1)

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

2-3=-4212/0, 3-5=-4135/39, 5-6=-2820/0 TOP CHORD BOT CHORD 2-10=-68/3581, 9-10=0/2623, 8-9=-11/886

WFBS 5-10=-243/1695, 5-9=-1012/229, 6-9=0/4485, 6-8=-3066/0

NOTES-

- 1) 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 0-7-0 oc.
 - Webs connected as follows: 2x4 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II: Exp B: Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Provide adequate drainage to prevent water ponding.
- 6) 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.
- 8) WARNING: Required bearing size at joint(s) 8 greater than input bearing size.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1571 lb down and 255 lb up at 7-0-4, 855 lb down and 90 lb up at 8-10-12, 1197 lb down at 10-2-4, and 749 lb down and 84 lb up at 12-2-4, and 1436 lb down and 141 lb up at 14-2-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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



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

November 8,2021

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



Job Truss Truss Type Qty Ply T25901790 Half Hip Girder 2935497 G01

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:29 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-GKwq?wvLHP5sbBK_slW6ouUwaSyu3mM858KUglyMEx4

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-6=-54, 6-7=-54, 2-8=-20

Concentrated Loads (lb)

Vert: 9=-1147(B) 13=-1571(B) 14=-631(B) 16=-670(B) 18=-1228(B)



Job Truss Truss Type Qty T25901791 2935497 G02 Half Hip | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:30 2021 Page 1 Lady Lake, FL - 34472,

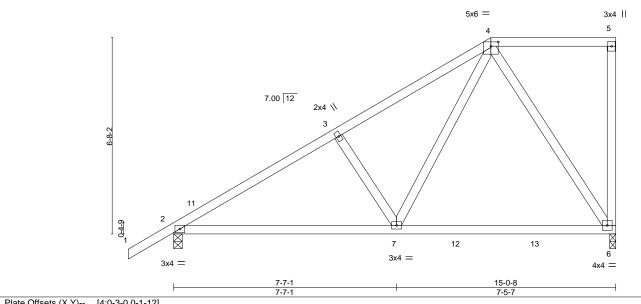
Builders FirstSource (Lady Lake, FL),

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-kWUCCGwz2jDjDLvAQS1LL603isNWoHWIJo41CByMEx3 . 10-9-8 15-0-8 1-6-8 5-2-3 4-3-0

Scale = 1:39.2



I late Oil	3613 (A, I)	[4.0-3-0,0-1-12]										
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.12	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.18	6-7	>970	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-AS						Weight: 86 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS. (size) 2=0-3-8, 6=0-2-8

Max Horz 2=236(LC 11) Max Uplift 2=-104(LC 12), 6=-72(LC 9) Max Grav 2=720(LC 17), 6=670(LC 17)

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

TOP CHORD 2-3=-843/131, 3-4=-731/149 **BOT CHORD** 2-7=-313/779, 6-7=-177/332

3-7=-300/194, 4-7=-73/643, 4-6=-550/221 WFBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-6-5, Interior(1) 5-6-5 to 10-9-8, Exterior(2E) 10-9-8 to 14-10-12 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=104.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 8,2021

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



Job Truss Truss Type Qty T25901792 2935497 G03 Half Hip | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:31 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Ci2aQcxbp0LaqUUN_AYauJZEyFj0Xq7RYSpbldyMEx2 1-6-8 Scale = 1:34.6 4x6 = 4x4 = 5 7.00 12 2x4 < 3 X 3x8 = 4x4 = 2x4 || 15-0-8 Plate Offsets (X,Y)--[4:0-3-0,0-1-12] GRIP LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defI L/d **PLATES** 1.25 TCLL 20.0 Plate Grip DOL TC 0.40 Vert(LL) -0.12 7-10 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 ВС 0.58 Vert(CT) -0.24 7-10 >743 180 **BCLL** 0.0 Rep Stress Incr YES WB 0.20 Horz(CT) 0.01 6 n/a n/a Code FBC2020/TPI2014 FT = 20% **BCDL** 10.0 Weight: 83 lb Matrix-AS **BRACING-**

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 6=0-2-8, 2=0-3-8 Max Horz 2=195(LC 11)

Max Uplift 6=-66(LC 9), 2=-106(LC 12) Max Grav 6=547(LC 1), 2=639(LC 1)

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

2-3=-757/148, 3-4=-535/112, 4-5=-409/124, 5-6=-501/169 TOP CHORD

BOT CHORD 2-7=-311/648

WFBS 3-7=-271/154, 5-7=-159/518

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 8-9-8, Exterior(2E) 8-9-8 to 14-10-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb)
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

November 8,2021

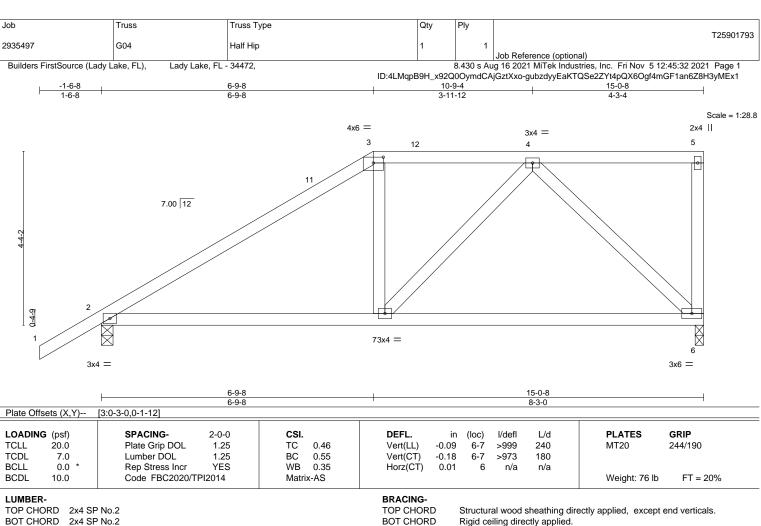


WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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





Rigid ceiling directly applied.

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

REACTIONS. (size) 2=0-3-8, 6=0-2-8 Max Horz 2=154(LC 11)

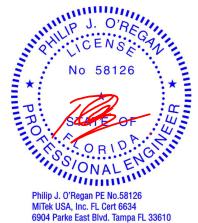
Max Uplift 2=-108(LC 12), 6=-61(LC 9) Max Grav 2=639(LC 1), 6=547(LC 1)

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

TOP CHORD 2-3=-726/108, 3-4=-555/133 **BOT CHORD** 2-7=-192/554, 6-7=-159/402 WFBS 4-7=-42/251, 4-6=-532/178

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 6-9-8, Exterior(2E) 6-9-8 to 14-10-12 zone; cantilever left and right exposed; 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb)
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



November 8,2021



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

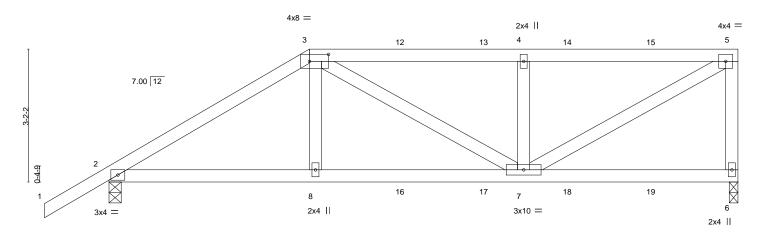
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty T25901794 2935497 G05 Half Hip Girder Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:33 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-859LrlysLebH4odl5ab2zkeZ93Qc?g?k?mlhpWyMEx0 9-11-0 1-6-8 4-9-8 5-1-8 5-1-8

Scale = 1:27.6



	4-9-8	ı	5-1-8	I	5-1-8
Plate Offsets (X,Y)	[3:0-5-8,0-2-0]				
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr NO Code FBC2020/TPI2014	CSI. TC 0.48 BC 0.51 WB 0.49 Matrix-MSH	DEFL. in Vert(LL) -0.04 Vert(CT) -0.08 Horz(CT) 0.02	(loc) I/defl L/d 7-8 >999 240 7-8 >999 180 6 n/a n/a	PLATES GRIP MT20 244/190 Weight: 76 lb FT = 20%

9-11-0

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 6=0-2-8, 2=0-3-8 Max Horz 2=114(LC 20)

Max Uplift 6=-119(LC 5), 2=-172(LC 8) Max Grav 6=868(LC 1), 2=928(LC 1)

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

4-9-8

2-3=-1362/193, 3-4=-1151/189, 4-5=-1151/189, 5-6=-798/151 TOP CHORD

BOT CHORD 2-8=-201/1122, 7-8=-200/1138 WFBS 3-8=0/369, 4-7=-464/197, 5-7=-189/1292

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=119, 2=172
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 67 lb up at 4-9-8, 84 lb down and 63 lb up at 7-0-4, 84 lb down and 63 lb up at 9-0-4, and 84 lb down and 63 lb up at 11-0-4, and 84 lb down and 63 lb up at 13-0-4 on top chord, and 180 lb down and 61 lb up at 4-9-8, 43 lb down at 5-0-4, 43 lb down at 7-0-4, 43 lb down at 9-0-4, and 43 lb down at 11-0-4, and 43 lb down at 13-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-3=-54, 3-5=-54, 6-9=-20



15-0-8

Structural wood sheathing directly applied or 4-10-3 oc purlins,

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

except end verticals.

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

November 8,2021

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



Job	Truss	Truss Type	Qty	Ply	
2935497	G05	Half Hip Girder	1	1	T25901794
2933491	1903	Thail Tip Girder	'	'	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

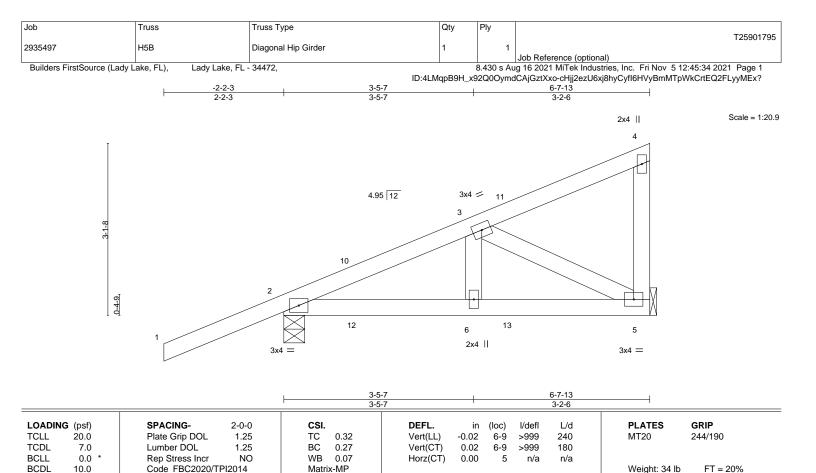
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:33 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-859LrlysLebH4odl5ab2zkeZ93Qc?g?k?mlhpWyMEx0

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-55(F) 8=-206(F) 12=-55(F) 13=-55(F) 14=-55(F) 15=-55(F) 16=-33(F) 17=-33(F) 18=-33(F) 19=-33(F)



BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No 2

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

REACTIONS.

(size) 2=0-4-9, 5=Mechanical Max Horz 2=109(LC 23) Max Uplift 2=-156(LC 8), 5=-33(LC 5) Max Grav 2=340(LC 28), 5=230(LC 28)

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

TOP CHORD 2-3=-360/30

BOT CHORD 2-6=-68/275, 5-6=-68/275

WEBS 3-5=-296/53

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical 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.
- * 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=156.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 90 lb up at 1-3-13, 52 lb down and 90 lb up at 1-3-13, and 62 lb down and 46 lb up at 4-1-12, and 62 lb down and 46 lb up at 4-1-12 on top chord, and 22 lb down and 57 lb up at 1-3-13, 22 lb down and 57 lb up at 1-3-13, and 15 lb down at 4-1-12, and 15 lb down at 4-1-12 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, 5-7=-20 Concentrated Loads (lb)

Vert: 10=44(F=22, B=22) 12=60(F=30, B=30) 13=-3(F=-1, B=-1)



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

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

except end verticals.

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

November 8,2021



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

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



Job Truss Truss Type Qty T25901796 2935497 H₅C Diagonal Hip Girder 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:35 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-4TH5Gz_6tFr?J6n8D?dW29kx6tBPTfN1T4nouOyMEx_ 3-3-13 2-9-5 0-7-15 Scale = 1:20.8 3x4 = 4.95 12 2-3-14 3x4 = 4x12 = 0-4-9 17 18 9 113x4 = 10 2x4 II 3x4 = 1-0-5 LOADING (psf) SPACING-2-0-0 DEFL. (loc) I/defI L/d **PLATES** GRIP CSI. 20.0 Plate Grip DOL 1.25 0.01 11-14 240 244/190 **TCLL** TC 0.32 Vert(LL) >999 MT20

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

-0.02 11-14

5

-0.00

>999

10-0-0 oc bracing: 8-10

n/a

180

n/a

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

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

Weight: 41 lb

FT = 20%

LUMBER-

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.2

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

7.0

0.0

10.0

4-10: 2x4 SP No.3 WEBS 2x4 SP No.3

REACTIONS.

(size) 5=Mechanical, 2=0-4-9, 7=Mechanical

Code FBC2020/TPI2014

Lumber DOL

Rep Stress Incr

Max Horz 2=119(LC 24)

Max Uplift 5=-23(LC 24), 2=-51(LC 8), 7=-15(LC 8) Max Grav 5=28(LC 6), 2=398(LC 1), 7=253(LC 28)

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

TOP CHORD 2-3=-379/0 **BOT CHORD** 2-11=0/290

WFBS 8-11=0/306, 4-7=-319/31

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60

ВС

WB

Matrix-MP

0.17

0.12

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

1.25

NO

- * 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) 5, 2, 7.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 59 lb up at 1-8-1, 56 lb down and 59 lb up at 1-8-1, and 66 lb down and 51 lb up at 4-6-0, and 66 lb down and 51 lb up at 4-6-0 on top chord, and 29 lb down and 18 lb up at 1-8-1, 29 lb down and 18 lb up at 1-8-1, and 17 lb down at 4-6-0, and 17 lb down at 4-6-0 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).

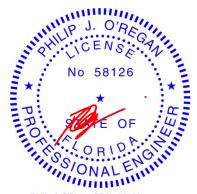
LOAD CASE(S) Standard

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

Vert: 1-5=-54, 10-12=-20, 9-10=-20, 6-8=-20

Concentrated Loads (lb)

Vert: 16=-0(F=-0, B=-0) 18=-6(F=-3, B=-3)



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

November 8,2021



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

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



Job Truss Truss Type Qty T25901797 2935497 H5G Diagonal Hip Girder 2 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:36 2021 Page 1

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YgrTTJ?keZzsxGMKnj8lbNG3zGUZC5CAikXMPryMEwz

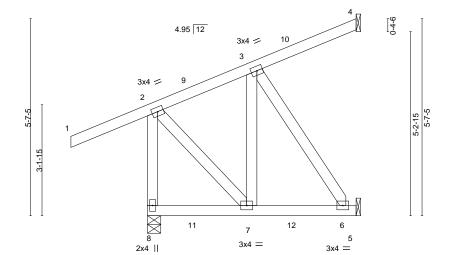
Structural wood sheathing directly applied or 5-11-5 oc purlins,

Rigid ceiling directly applied or 6-0-0 oc bracing.

except end verticals.



Scale = 1:32.8



	DEE:		(1)	1/1 (1	
2-11	I-11	2-11	-11	1	
_I 2-11	I-11 _I	5-11	1-5	1	

BRACING-

TOP CHORD

BOT CHORD

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	0.57	Vert(LL)	0.02	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	0.02	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MP						Weight: 44 lb	FT = 20%

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

> (size) 8=0-4-9, 4=Mechanical, 5=Mechanical Max Horz 8=173(LC 8) Max Uplift 8=-520(LC 4), 4=-31(LC 8), 5=-345(LC 8) Max Grav 8=510(LC 30), 4=97(LC 17), 5=282(LC 22)

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

TOP CHORD 2-8=-414/370

WFRS 2-7=-309/365, 3-7=-337/239, 3-6=-310/402

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 8=520, 5=345,
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb down and 174 lb up at 1-3-13, 82 lb down and 174 lb up at 1-3-13, and 58 lb down and 39 lb up at 4-1-12, and 58 lb down and 39 lb up at 4-1-12 on top chord, and 121 lb down and 191 lb up at 1-3-13, 121 lb down and 191 lb up at 1-3-13, and 81 lb down and 133 lb up at 4-1-12, and 81 lb down and 133 lb up at 4-1-12 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: 9=80(F=40, B=40) 12=-1(F=-0, B=-0)



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

November 8,2021

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

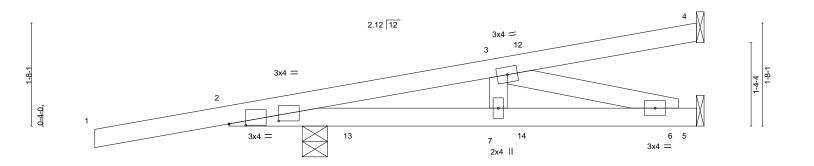
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty T25901798 2935497 H₅P Diagonal Hip Girder 2 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:37 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-1sPshf0MOs5jYPxWKQf_7apBjgjexZiJwOGvxHyMEwy 2-2-3 4-4-8 3-2-10

Scale = 1:18.7



n-9-11	1-2-5 1-2-5	1 ₇ 4-1 ₂ 0-2-8		4-4-8 2-11-12		-				
7 0 11,0 0 0], [2.0 0 1,0	7 0 1]									
SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.05	8	>999	240	MT20	244/190
Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.07	8	>999	180		
Rep Stress Incr	NO	WB	0.13	Horz(CT)	-0.01	4	n/a	n/a		
Code FBC2020/TF	PI2014	Matri	x-MP						Weight: 31 lb	FT = 20%
)	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	1-2-5 0-9-11,0-0-9], [2:0-3-4,0-0-4] SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25	1-2-5 0-2-8 0-9-11,0-0-9], [2:0-3-4,0-0-4] SPACING- 2-0-0 CSI. Plate Grip DOL 1.25 TC Lumber DOL 1.25 BC Rep Stress Incr NO WB	1-2-5 0-2-8	1-2-5 0-2-8 2-11-12 -9-11,0-0-9], [2:0-3-4,0-0-4] SPACING- 2-0-0 CSI. DEFL. Plate Grip DOL 1.25 TC 0.76 Vert(LL) Lumber DOL 1.25 BC 0.82 Vert(CT) Rep Stress Incr NO WB 0.13 Horz(CT)	1-2-5 0-2-8 2-11-12 -9-11,0-0-9], [2:0-3-4,0-0-4] SPACING-	1-2-5 0-2-8 2-11-12 1-2-5 0-2-8 2-11-12 1-2-5 0-2-8 2-11-12 1-2-5 0-2-8 1-2-5 1-2-5 1-2-5 1-2-5 1-2-5 1-2-5 1-2-5	1-2-5 0-2-8 2-11-12	1-2-5 0-2-8 2-11-12 3-	1-2-5 0-2-8 2-11-12 3-2-10 -9-11,0-0-9], [2:0-3-4,0-0-4] SPACING- 2-0-0 CSI. DEFL. in (loc) /defl L/d PLATES Plate Grip DOL 1.25 TC 0.76 Vert(LL) -0.05 8 >999 240 MT20 Lumber DOL 1.25 BC 0.82 Vert(CT) -0.07 8 >999 180 Rep Stress Incr NO WB 0.13 Horz(CT) -0.01 4 n/a n/a

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

BOT CHORD

WEBS 2x4 SP No.3

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical

Max Horz 2=53(LC 24)

Max Uplift 4=-36(LC 8), 2=-387(LC 8), 5=-51(LC 5) Max Grav 4=92(LC 1), 2=532(LC 28), 5=93(LC 24)

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

TOP CHORD 2-3=-451/325

BOT CHORD 2-7=-321/425, 6-7=-321/425

WFBS 3-6=-441/334

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch 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.
- 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.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb)
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 52 lb down and 14 lb up at 4-10-4, and 52 lb down and 14 lb up at 4-10-4 on top chord, and 152 lb down and 337 lb up at 2-0-5, 152 lb down and 337 lb up at 2-0-5, and 33 lb down and 24 lb up at 4-10-4, and 33 lb down and 24 lb up at 4-10-4 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, 5-8=-20 Concentrated Loads (lb)

Vert: 13=271(F=136, B=136)



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

Rigid ceiling directly applied or 6-0-0 oc bracing.

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

November 8,2021



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





Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

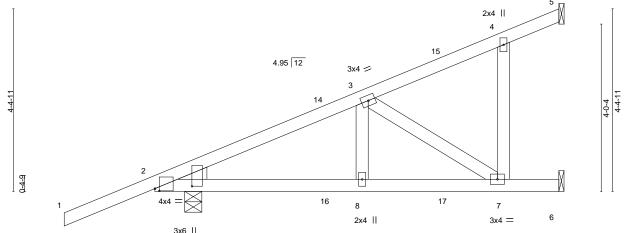
 $ID: 4LMqpB9H_x92Q0OymdCAjGztXxo-V2zEu?0_9ADaAZWju8ADgoMLf47_g0DT910STjyMEwx\\$

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

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

9-8-9 4-11-13 3-4-12 1-4-0

Scale = 1:27.7



1 ()-8-10 _I	4-11-13	8-4-9	9-8-9	
[0-8-10	4-3-3	3-4-12	1-4-0	

BRACING-

TOP CHORD

BOT CHORD

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

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 0.81	Vert(LL) 0.11 7-8 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.56	Vert(CT) -0.13 7-8 >870 180	
BCLL 0.0 *	Rep Stress Incr NO	WB 0.11	Horz(CT) -0.01 5 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MSH		Weight: 48 lb FT = 20%

LUMBER-

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

WEDGE

REACTIONS.

Left: 2x4 SP No.3

(size) 5=Mechanical, 6=Mechanical, 2=0-4-15

Max Horz 2=149(LC 8)

Max Uplift 5=-76(LC 8), 6=-90(LC 8), 2=-305(LC 8) Max Grav 5=154(LC 1), 6=164(LC 1), 2=775(LC 1)

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

TOP CHORD 2-3=-363/208

BOT CHORD 2-8=-185/284, 7-8=-185/284

WEBS 3-7=-335/218

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6 except (jt=lb)
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 46 lb down and 17 lb up at -2-2-3, 46 lb down and 17 lb up at -2-2-3, 12 lb down and 34 lb up at 1-3-13, 12 lb down and 34 lb up at 1-3-13, 49 lb down and 38 lb up at 4-1-12, 49 lb down and 38 lb up at 4-1-12, and 78 lb down and 80 lb up at 6-11-11, and 78 lb down and 80 lb up at 6-11-11 on top chord, and 124 lb down and 34 lb up at 1-3-13, 2 lb down and 7 lb up at 4-1-12, 2 lb down and 7 lb up at 4-1-12. and 24 lb down and 15 lb up at 6-11-11, and 24 lb down and 15 lb up at 6-11-11 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

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

November 8,2021

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



Job	Truss	Truss Type	Qty	Ply	
2935497	H7A	Diagonal Hip Girder	1	1	T25901799
2933497	11/7	Diagonal Flip Gilder	'	'	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:38 2021 Page 2 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-V2zEu?0_9ADaAZWju8ADgoMLf47_g0DT910STjyMEwx

LOAD CASE(S) Standard

Uniform Loads (plf) Vert: 1-5=-54, 6-9=-20 Concentrated Loads (lb)

Vert: 1=-92(F=-46, B=-46) 13=-124 15=-32(F=-16, B=-16) 16=15(F=7, B=7) 17=-27(F=-14, B=-14)

Job Truss Truss Type Qty T25901800 2935497 M01 Jack-Partial Girder Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:39 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-zFXc5L1dwULRoj5vSriSC?ugPUXaPTScOhl009yMEww

1-11-8

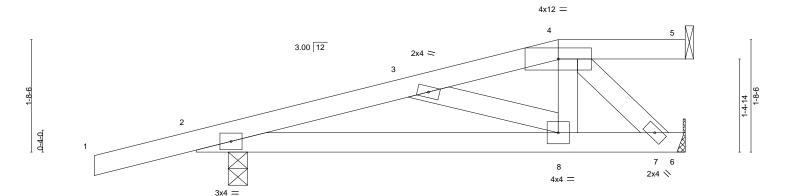
1-11-0

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

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

3-6-0

Scale = 1:17.4



	0-5-12		5-8 1-12		7-1-8 7-4-8 1-8-0 0-3-0
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr NO Code FBC2020/TPI2014	CSI. TC 0.17 BC 0.22 WB 0.11 Matrix-MP	DEFL. in (loc) Vert(LL) -0.01 8-13 Vert(CT) -0.03 8-13 Horz(CT) 0.00 6	l/defl L/d >999 240 >999 180 n/a n/a	PLATES GRIP MT20 244/190 Weight: 32 lb FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

> 5=Mechanical, 6=Mechanical, 2=0-3-8 (size) Max Horz 2=54(LC 32)

1-6-8

Max Uplift 5=-18(LC 4), 6=-116(LC 8), 2=-182(LC 8) Max Grav 5=50(LC 1), 6=250(LC 1), 2=411(LC 1)

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

TOP CHORD 2-3=-491/171, 3-4=-326/141 **BOT CHORD** 2-8=-183/456, 7-8=-150/325 4-8=-103/291, 4-7=-431/200 WEBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=116, 2=182,
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 101 lb down and 104 lb up at 5-5-8 on top chord, and 149 lb down and 55 lb up at 5-5-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-4=-54, 4-5=-54, 6-9=-20

Concentrated Loads (lb)

Vert: 8=-32(F) 4=-54(F)



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

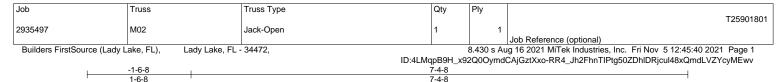
November 8,2021

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

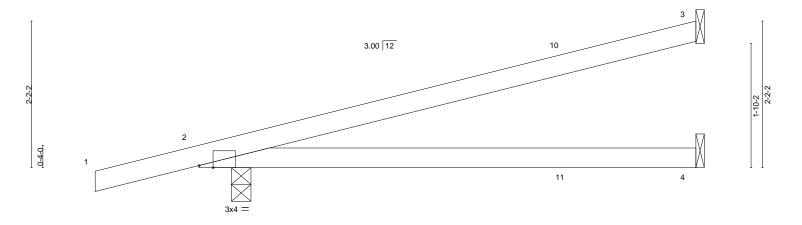
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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





Scale = 1:17.1



	₁ 0-5-12	7-4-8
	0-5-12	6-10-12
V V/\	[2:0.2.9 Edge]	

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.31	4-9	>285	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	0.25	4-9	>354	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.02	3	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS	` '					Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied.

Rigid ceiling directly applied.

REACTIONS.

3=Mechanical, 4=Mechanical, 2=0-3-8 (size)

Max Horz 2=67(LC 12)

Max Uplift 3=-62(LC 12), 4=-28(LC 12), 2=-162(LC 12) Max Grav 3=162(LC 1), 4=118(LC 3), 2=388(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 7-3-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2 = 162
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

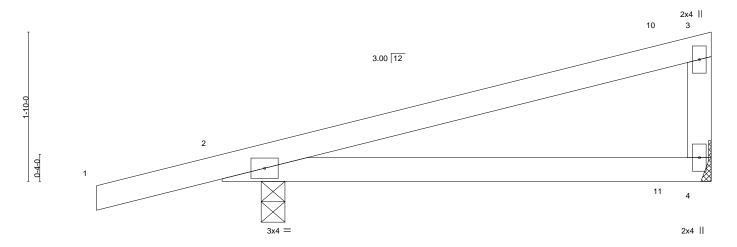
November 8,2021



Job Truss Truss Type Qty T25901802 2935497 M03 Jack-Closed 5 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:41 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vdeMW13tS5b911EIZGkwlQzyWHAjtOgvr?E642yMEwu

6-0-0

Scale = 1:14.1



	0-5-12 0-5-12		6-0-0 5-6-4	
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES Code FBC2020/TPI2014	CSI. TC 0.39 BC 0.43 WB 0.00 Matrix-AS	DEFL. in (loc) l/defl L/d Vert(LL) 0.12 4-9 >593 240 Vert(CT) 0.10 4-9 >728 180 Horz(CT) -0.00 2 n/a n/a	PLATES GRIP MT20 244/190 Weight: 22 lb FT = 20%

BRACING-TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

> 4=Mechanical, 2=0-3-8 (size) Max Horz 2=52(LC 11)

1-6-8

Max Uplift 4=-61(LC 12), 2=-151(LC 12) Max Grav 4=178(LC 1), 2=339(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 5-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) 4 except (jt=lb) 2=151.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

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

November 8,2021

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



Job Truss Truss Type Qty Ply T25901803 2935497 M04 Monopitch Girder 2 ✓ Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:42 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-NqClkN3VDPk0fBpU7zF9qeWB4hXjcpA34f_gdUyMEwt 3-6-12 Scale = 1:13.4 2x4 || 3 3.00 12 3x4 = 2 3x4 =0-3-14 10 11 ⁵ 3x8 || 4x4 =3-6-12 3-0-8 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI **PLATES** GRIP (loc) L/d 1.25 240 244/190 **TCLL** 20.0 Plate Grip DOL TC 0.08 Vert(LL) -0.01 5 >999 MT20 **TCDL** Lumber DOL 1.25 ВС 0.38 Vert(CT) -0.02 >999 180 7.0 5

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

0.01

4

n/a

except end verticals.

n/a

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

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

Weight: 61 lb

FT = 20%

LUMBER-**BOT CHORD**

BCLL

BCDL

TOP CHORD 2x4 SP No 2 2x6 SP No.2

WEBS 2x4 SP No.3

0.0

10.0

4=0-4-0, 1=0-3-8 REACTIONS. (size)

Max Horz 1=48(LC 18) Max Uplift 4=-374(LC 8), 1=-564(LC 8)

Rep Stress Incr

Code FBC2020/TPI2014

Max Grav 4=1005(LC 2), 1=1435(LC 1)

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

TOP CHORD 1-2=-1826/679

BOT CHORD 1-5=-648/1763, 4-5=-648/1763 WEBS 2-5=-335/920, 2-4=-1849/698

NOTES-

1) 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.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

NO

WB

Matrix-MP

0.18

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=374, 1=564.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 638 lb down and 286 lb up at 0-10-12, and 703 lb down and 282 lb up at 2-10-12, and 713 lb down and 284 lb up at 4-10-12 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: 1-3=-54, 1-4=-20

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

November 8,2021

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



Job Truss Truss Type Qty Ply T25901803 2935497 M04 Monopitch Girder

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)

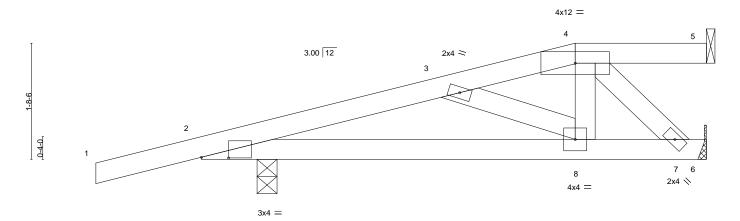
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:42 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-NqClkN3VDPk0fBpU7zF9qeWB4hXjcpA34f_gdUyMEwt

LOAD CASE(S) Standard

Concentrated Loads (lb) Vert: 7=-638(B) 10=-648(B) 11=-662(B)

Job Truss Truss Type Qty T25901804 2935497 M05 Jack-Partial Girder 1 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:43 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-r0m7xi47_istGKOghhmONr3HR5uALHkCJJjD9xyMEws 1-6-8 3-6-0 1-11-8 1-11-0

Scale = 1:16.8



0-9-12		5-5-8 4-7-12	7-1-8	7-4-8 0-3-0
2:0-4-12,0-0-2]		77.12	100	
SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L	d PLATES	GRIP
Plate Grip DOL 1.25	TC 0.43	Vert(LL) -0.01 9 >999 24	.0 MT20	244/190
Lumber DOL 1.25	BC 0.30	Vert(CT) -0.02 8-12 >999 18	10	
Rep Stress Incr NO	WB 0.09	Horz(CT) -0.00 5 n/a n	/a	
Code FBC2020/TPI2014	Matrix-MP		Weight: 32 lb	FT = 20%
	0-9-12 	0-9-12	C:0-4-12,0-0-2	1-8-0 1-8-0 1-8-0

BRACING-TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 5=Mechanical, 2=0-3-8, 6=Mechanical

Max Horz 2=54(LC 8)

Max Uplift 5=-18(LC 4), 2=-195(LC 8), 6=-107(LC 5) Max Grav 5=50(LC 1), 2=442(LC 1), 6=219(LC 1)

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

2-3=-335/130, 3-4=-262/128 TOP CHORD **BOT CHORD** 2-8=-135/290, 7-8=-137/278

WFBS 4-7=-369/181

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=195, 6=107.
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 101 lb down and 104 lb up at 5-5-8 on top chord, and 149 lb down and 55 lb up at 5-5-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-4=-54, 4-5=-54, 6-9=-20



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

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

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

November 8,2021

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



Job Truss Truss Type Qty T25901804 2935497 M05 Jack-Partial Girder

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:43 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-r0m7xi47_istGKOghhmONr3HR5uALHkCJJjD9xyMEws

LOAD CASE(S) Standard Concentrated Loads (lb) Vert: 8=-32(B) 4=-54(B)







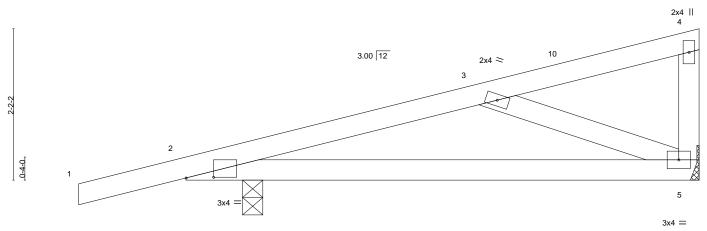


FT = 20%

Weight: 32 lb

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.



		0-9-12 ₁			7-4-8				
	I	0-9-12			6-6-12			ı	
Plate Offsets (X,Y)	[2:0-4-12,0-0-2]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.38	Vert(LL)	-0.05 5-9	>999 240	MT20	244/190	
TCDL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.10 5-9	>859 180			
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.08	Horz(CT)	0.00 5	n/a n/a			

TOP CHORD

BOT CHORD

LUMBER-**BRACING-**

Code FBC2020/TPI2014

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

10.0

WEBS 2x4 SP No.3 REACTIONS. (size) 2=0-3-8, 5=Mechanical

Max Horz 2=63(LC 11) Max Uplift 2=-97(LC 12), 5=-9(LC 12)

Max Grav 2=415(LC 1), 5=204(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-270/157 **BOT CHORD** 2-5=-258/232

WFBS 3-5=-252/252

NOTES-

BCDL

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 7-2-12 zone; cantilever left and right exposed; 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

Matrix-AS

- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610



Job Truss Truss Type Qty T25901806 2935497 M08 Roof Special Girder Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:44 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-JCKV925ll0_juUztFOHdv3bRtVBq4irLXzTnhNyMEwr 4-6-4 0-3-12

Scale = 1:18.4

8-3-8

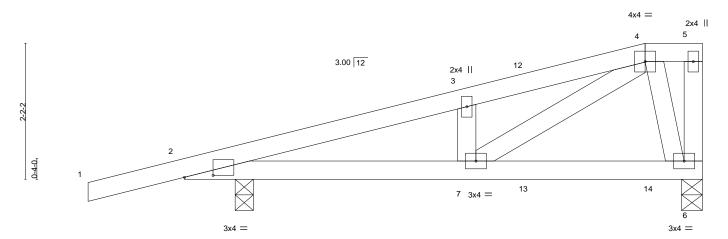
0-11-0

2-10-4

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

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

except end verticals.



4-2-8

		0-	9-12		3-8-8					3-9-		
Plate Offsets	s (X,Y)	[2:0-5-8,0-0-6]										
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 2	0.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.23	Horz(CT)	0.00	6	n/a	n/a		
BCDL 1	0.0	Code FBC2020	/TPI2014	Matrix	k-MP						Weight: 38 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 6=0-4-0, 2=0-3-8 Max Horz 2=64(LC 24)

1-6-8

Max Uplift 6=-152(LC 8), 2=-228(LC 8) Max Grav 6=539(LC 1), 2=534(LC 1)

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

0-9-12

TOP CHORD 2-3=-680/234, 3-4=-652/248

BOT CHORD 2-7=-207/620

WFBS 4-7=-223/603, 4-6=-307/111

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 37 lb down and 29 lb up at 5-6-4 on top chord, and 199 lb down and 130 lb up at 5-6-4, and 187 lb down and 25 lb up at 7-6-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-4=-54, 4-5=-54, 6-8=-20 Concentrated Loads (lb)

Vert: 13=-199(F) 14=-187(F)



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

November 8,2021



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

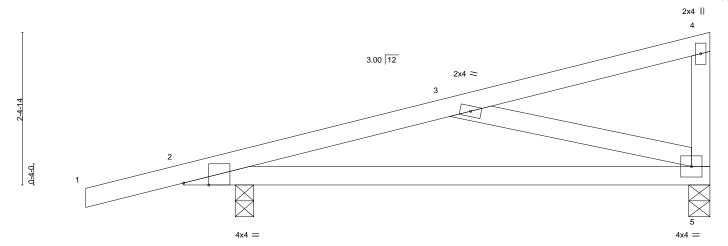
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty T25901807 2935497 M09 Monopitch 17 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:45 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-oPutMO6NWK6aWeY3o6osSG8ggvWtpAFVmdCKDpyMEwq 8-3-8 1-6-8 4-6-4

Scale = 1:18.2



0-9-12 0-9-12

Plate Offsets (A, 1) [2:0-4-12, Edge]												
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.20	5-9	>484	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.17	5-9	>565	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-AS						Weight: 36 lb	FT = 20%

BRACING-LUMBER-

TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied, except end verticals. **BOT CHORD** 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied. WEBS 2x4 SP No.3

REACTIONS. (size) 5=0-4-0, 2=0-3-8 Max Horz 2=70(LC 11)

Max Uplift 5=-85(LC 12), 2=-190(LC 12) Max Grav 5=241(LC 1), 2=445(LC 1)

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

TOP CHORD 2-3=-376/430 **BOT CHORD** 2-5=-523/336 WFBS 3-5=-348/518

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 8-1-12 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.
- * 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb)
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610

November 8,2021



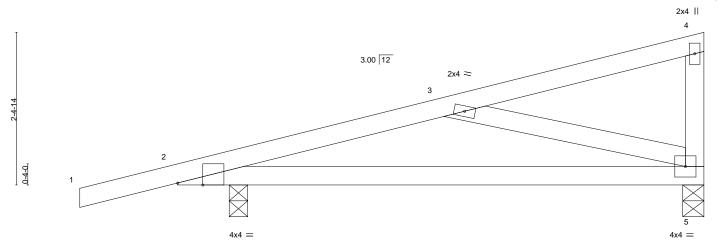
Job Truss Truss Type Qty T25901808 2935497 M10 Monopitch Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:46 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-GbSFZk70HdER7o7FMpK5?UhoClsxYeAe?HytmGyMEwp

Scale = 1:18.2

8-3-8

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.



4-6-4

0-9-12 0-9-12

Plate Offsets (X,Y) [2:0-4-12,Edge]												
LOADIN	IG (psf)	SPACING- 2-0-0)	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	5	TC	0.39	Vert(LL)	-0.09	5-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25	5	BC	0.49	Vert(CT)	-0.17	5-9	>565	180		
BCLL	0.0 *	Rep Stress Incr YES	3	WB	0.11	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix	(-AS						Weight: 36 lb	FT = 20%

TOP CHORD

BOT CHORD

LUMBER-BRACING-

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

> (size) 5=0-4-0, 2=0-3-8 Max Horz 2=70(LC 11)

1-6-8

Max Uplift 5=-14(LC 12), 2=-98(LC 12) Max Grav 5=241(LC 1), 2=445(LC 1)

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

TOP CHORD 2-3=-376/227 **BOT CHORD** 2-5=-303/336 WFBS 3-5=-348/290

NOTES-

REACTIONS.

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-6-8 to 5-5-8, Interior(1) 5-5-8 to 8-1-12 zone; cantilever left and right exposed; 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
- 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.
- * 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.
- 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610



Job Truss Truss Type Qty T25901809 P0G 2935497 GABLE 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:52 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-4lpXqnBmsT_brjaPj4QVElxufj?fyMoXNDPCzvyMEwj 16-11-15 8-6-0 Scale = 1:30.7 4x4 = 5 17 16 6 7.00 12 3 18 3x4 =14 13 12 11 10 3x4 =16-11-15 LOADING (psf) SPACING-2-0-0 CSI. DEFL. **PLATES** GRIP (loc) I/defI L/d 20.0 Plate Grip DOL 1.25 TC Vert(LL) 999 244/190 **TCLL** 0.14 n/a n/a MT20 **TCDL** 7.0 Lumber DOL 1.25 ВС 0.09 Vert(CT) 999 n/a n/a **BCLL** 0.0 Rep Stress Incr YES WB 0.04 Horz(CT) 0.00 8 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-S Weight: 73 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-TOP CHORD

2x4 SP No 2 2x4 SP No.2

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

REACTIONS. All bearings 16-11-15.

Max Horz 1=-103(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 13, 14, 11, 10 except 1=-149(LC 17), 9=-111(LC 18) Max Grav All reactions 250 lb or less at joint(s) 1, 9, 12, 13, 14, 11, 10 except 2=302(LC 17), 8=289(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-11 to 7-3-11, Interior(1) 7-3-11 to 8-5-15, Exterior(2R) 8-5-15 to 15-5-15, Interior(1) 15-5-15 to 16-8-4 zone; cantilever left and right exposed; 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10 except (jt=lb) 1=149, 9=111.
- 11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

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

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

November 8,2021

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

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



Job Truss Truss Type Qty T25901810 2935497 P01 Piggyback 5 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:47 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-kn?en47e2xMllyiSwXrKXhD1lil_H56oExhRliyMEwo 8-5-15 8-6-0 Scale: 3/8"=1 4x4 = 4 13 12 7.00 12 2x4 || 2x4 || 0-4-5 0-1-8 3x4 =10 8 3x4 =9 2x4 || 2x4 || 2x4 || 16-11-15 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI **PLATES** GRIP (loc) L/d **TCLL** 20.0 Plate Grip DOL 1.25 TC Vert(LL) 0.00 120 244/190 0.18 n/r MT20 **TCDL** 7.0 Lumber DOL 1.25 ВС 0.12 Vert(CT) 0.00 n/r 120 **BCLL** 0.0 Rep Stress Incr YES WB 0.07 Horz(CT) 0.00 6 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-S Weight: 64 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

REACTIONS. All bearings 15-4-1.

Max Horz 2=103(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8

Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 10=341(LC 17), 8=340(LC 18)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-11 to 7-3-11, Interior(1) 7-3-11 to 8-5-15, Exterior(2R) 8-5-15 to 15-5-15, Interior(1) 15-5-15 to 16-8-4 zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building



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

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

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



Job Truss Truss Type Qty T25901811 2935497 P02 Piggyback 8 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:48 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-C_Z0_Q8GpEU9N6HeUEMZ4vmCl6dp0ZTxSbR_q8yMEwn 8-5-15 5-10-0 Scale = 1:29.3 3x6 = 7.00 12 6 ø 0-1-8 10 9 11 13 8 3x4 = Plate Offsets (X,Y)--[5:0-3-0,Edge] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defI L/d **PLATES** GRIP 1.25 TCLL 20.0 Plate Grip DOL TC 0.13 Vert(LL) 0.00 120 MT20 244/190 n/r TCDL 7.0 Lumber DOL 1.25 ВС 0.14 Vert(CT) 0.00 n/r 120 **BCLL** 0.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.00 8 n/a n/a Code FBC2020/TPI2014 FT = 20% **BCDL** 10.0 Matrix-S Weight: 57 lb

LUMBER-

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

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REACTIONS. All bearings 13-6-1.

Max Horz 2=117(LC 11) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 11, 9

All reactions 250 lb or less at joint(s) 8, 2 except 10=390(LC 17), 11=316(LC 17), 9=334(LC 18)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-11 to 7-2-0, Interior(1) 7-2-0 to 8-5-15, Exterior(2E) 8-5-15 to 14-2-4 zone; cantilever left and right exposed; 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
- 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.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 11, 9.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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



Job Truss Truss Type Qty T25901812 2935497 P03 Piggyback 11 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:49 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-gA7OCm9uaYc0_Gsq1ytoc6JNFW_Ql0g4hFAYMayMEwm 8-5-15 Scale = 1:31.7 3x6 = 2x4 || 7.00 12 2x4 || 2x4 || 3x6 II 0-1-8 3x4 =10 9 11 2x4 || 2x4 II 2x4 || 15-8-0 Plate Offsets (X,Y)--[5:0-3-0,Edge] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defI L/d **PLATES** GRIP 1.25 TCLL 20.0 Plate Grip DOL TC 0.15 Vert(LL) 0.00 120 244/190 n/r MT20 TCDL 7.0 Lumber DOL 1.25 ВС 0.12 Vert(CT) 0.00 n/r 120 BCLL 0.0 Rep Stress Incr YES WB 0.06 Horz(CT) 0.00 8 n/a n/a Code FBC2020/TPI2014 FT = 20% **BCDL** 10.0 Matrix-S Weight: 61 lb

LUMBER-

OTHERS

2x4 SP No.2 TOP CHORD 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. All bearings 14-10-0.

2x4 SP No.3

Max Horz 2=107(LC 11) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 9

All reactions 250 lb or less at joint(s) 8, 2 except 10=267(LC 17), 11=301(LC 17), 9=317(LC 18)

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

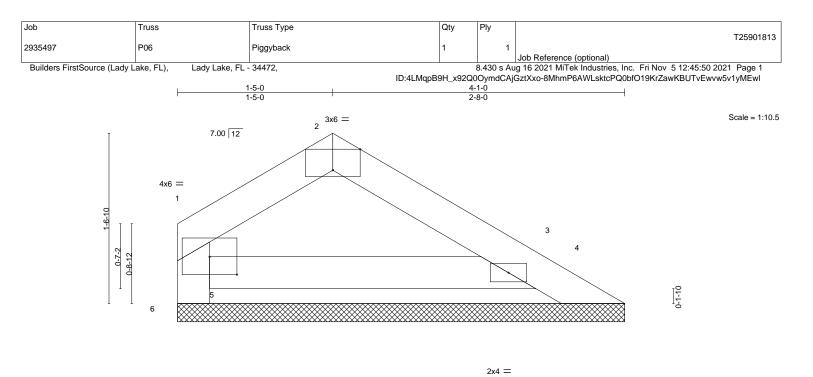
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-11 to 7-3-11, Interior(1) 7-3-11 to 8-5-15, Exterior(2E) 8-5-15 to 15-6-4 zone; cantilever left and right exposed; 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
- 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.
- Gable requires continuous bottom chord bearing.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 9.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building



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

November 8,2021





	4-1-0	
	4-1-0	
-15	5], [2:0-3-0,Edge]	

1 1010 011	100 0 0,0 1 10], [2.0 0 0,24g0]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2	014	Matri	x-R						Weight: 13 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

Plate Offsets (X Y)-- [1:0-3-0 0-1-

WEBS 2x4 SP No.3

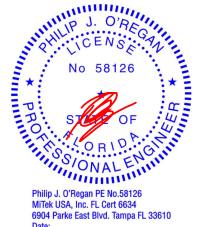
> (size) 6=4-1-0, 4=4-1-0, 5=4-1-0, 3=4-1-0 Max Horz 6=-38(LC 10) Max Uplift 4=-50(LC 3), 5=-12(LC 12), 3=-9(LC 12)

Max Grav 5=106(LC 1), 3=202(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) zone; cantilever left and right exposed; 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
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Bearing at joint(s) 6, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5, 3.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
- 12) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



Structural wood sheathing directly applied or 4-1-0 oc purlins,

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

except end verticals.



Job Truss Truss Type Qty T25901814 2935497 P07 Piggyback Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:51 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-cYF8dSA859skEZ?D9MvGiXOlOJq?Dw9N8ZfeRTyMEwk 2-3-0 2-3-0 0-10-0 2-3-0 Scale = 1:10.6 3x6 = 3x6 =3 7.00 12 5 2 0-4-5 2x4 = 2x4 =

LOADING	(nef)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
LUADING	(psi)	SFACING-	2-0-0	COI.		DEFE.	1111	(IUC)	i/ueii	L/u	FLAILS	GKIF
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-R						Weight: 14 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.2

(size) 2=3-8-1, 5=3-8-1 Max Horz 2=-25(LC 10) Max Uplift 2=-31(LC 12), 5=-31(LC 12) Max Grav 2=164(LC 1), 5=164(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 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.
- * 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, 5.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building



Structural wood sheathing directly applied or 5-3-15 oc purlins.

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

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

November 8,2021



Job Truss Truss Type Qty T25901815 2935497 V01 Valley 3 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:54 2021 Page 1

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Structural wood sheathing directly applied or 4-8-0 oc purlins,

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

except end verticals.

1 Brace at Jt(s): 4

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-17xHFTD1O4EJ51koqVTzJA0ByXesQGpqrXuJ2oyMEwh 4-8-0 2-4-0 2-4-0

Scale = 1:45.2

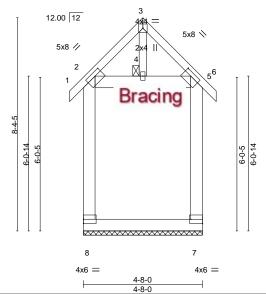


Plate Offsets (X,Y)	[2:0-3-8,0-1-12], [5:0-3-8,0-1-12], [7:Edge,0-2-0]
---------------------	--

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TP	PI2014	Matri	x-R						Weight: 62 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

JOINTS

LUMBER-

BOT CHORD

TOP CHORD 2x4 SP No.2 *Except*

2-5: 2x6 SP No.2 2x6 SP No.2 2x6 SP No.2

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

REACTIONS. (size) 8=4-8-0, 7=4-8-0

Max Horz 8=261(LC 11)

Max Uplift 8=-162(LC 8), 7=-162(LC 9) Max Grav 8=397(LC 18), 7=397(LC 17)

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

TOP CHORD 2-8=-222/265, 5-7=-222/306

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 8,2021



Job	Truss	Truss Type	Qty	Ply		
2935497	V02	Valley	2	,	T25901816	
2935497	V02	valley	3	'	Job Reference (optional)	l

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:56 2021 Page 1

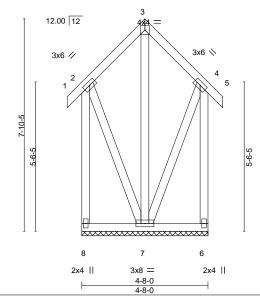
Structural wood sheathing directly applied or 4-8-0 oc purlins,

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

except end verticals.

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-zW21g9EHwiU0KKuAywVRPa5VxKOxu7K6IrNP6gyMEwf 4-8-0 -0-6-8 0-6-8 2-4-0 2-4-0

Scale = 1:42.6



LOADIN	G (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(L	.) 0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(C	Γ) 0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(0	T) -0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-P						Weight: 62 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

REACTIONS. (size) 8=4-8-0, 6=4-8-0, 7=4-8-0

Max Horz 8=244(LC 11)

Max Uplift 8=-146(LC 10), 6=-146(LC 11), 7=-58(LC 12) Max Grav 8=216(LC 11), 6=216(LC 10), 7=221(LC 1)

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

TOP CHORD 2-8=-266/250, 4-6=-266/300

BOT CHORD 7-8=-292/272

WFBS 2-7=-309/398, 4-7=-309/333

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 8=146, 6=146.



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

November 8,2021



Job Truss Truss Type Qty T25901817 2935497 V03 Valley 3

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:58 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vvAo5rGXSJlkae2Z3LXvU?Br383SM2ZPl9sWBZyMEwd

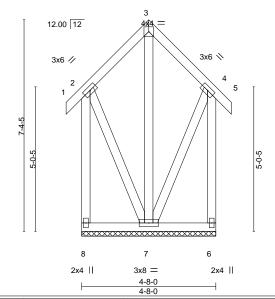
Structural wood sheathing directly applied or 4-8-0 oc purlins,

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

except end verticals.

4-8-0 2-4-0 2-4-0

Scale = 1:40.1



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-P						Weight: 59 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

REACTIONS. (size) 8=4-8-0, 6=4-8-0, 7=4-8-0

Max Horz 8=228(LC 11)

Max Uplift 8=-119(LC 10), 6=-119(LC 11), 7=-64(LC 12) Max Grav 8=192(LC 18), 6=192(LC 17), 7=215(LC 1)

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

BOT CHORD 7-8=-272/254

WEBS 2-7=-275/256, 4-7=-275/256

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 8=119, 6=119.



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

November 8,2021



Job Truss Truss Type Qty T25901818 2935497 V04 Valley 3 Job Reference (optional)
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:59 2021 Page 1

Builders FirstSource (Lady Lake, FL),

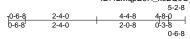
Lady Lake, FL - 34472,

Structural wood sheathing directly applied or 4-8-0 oc purlins,

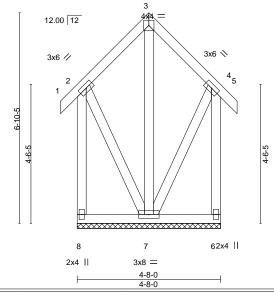
Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-N5kAlBH9DdtbBodld2380Dj2BYPl5WTZ_pb3j?yMEwc



Scale = 1:37.5



LOADING (psf) TCLL 20.0 TCDL 7.0	SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25	CSI. TC 0.31 BC 0.06	DEFL. ii Vert(LL) 0.00 Vert(CT) 0.00) 5	l/defl n/r n/r	L/d 120 120	PLATES MT20	GRIP 244/190
BCLL 0.0 * BCDL 10.0	Rep Stress Incr YES Code FBC2020/TPI2014	WB 0.11 Matrix-P	Horz(CT) -0.00	6	n/a	n/a	Weight: 55 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

REACTIONS. (size) 8=4-8-0, 6=4-8-0, 7=4-8-0

Max Horz 8=-212(LC 10)

Max Uplift 8=-94(LC 8), 6=-94(LC 9), 7=-68(LC 12) Max Grav 8=176(LC 18), 6=176(LC 17), 7=208(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6, 7.



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

November 8,2021



Job	Truss	Truss Type	Qty	Ply		1
					T25901819	
2935497	V05	Valley	3	1		
					Job Reference (optional)	

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:00 2021 Page 1

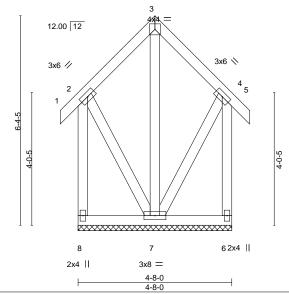
Structural wood sheathing directly applied or 4-8-0 oc purlins,

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

except end verticals.

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-sHIYVXHo_w?SpyBxBlaNZQGE5xl1qz4iDTLdFSyMEwb 2-4-0 2-4-0 4-8-0 2-4-0

Scale = 1:35.0



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-P						Weight: 51 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

OTHERS 2x4 SP No.3

REACTIONS. (size) 8=4-8-0, 6=4-8-0, 7=4-8-0

Max Horz 8=196(LC 11)

Max Uplift 8=-74(LC 8), 6=-74(LC 9), 7=-71(LC 12) Max Grav 8=162(LC 18), 6=162(LC 17), 7=199(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6, 7.



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

November 8,2021



Job Truss Truss Type Qty T25901820 2935497 V06 Valley 3

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

| Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:01 2021 Page 1 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-KUswjsIQIE7JR6m8kT5c6epQ3L5LZQNsS74AouyMEwa

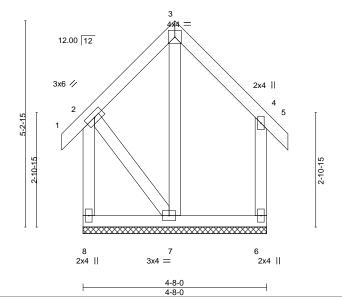
Structural wood sheathing directly applied or 4-8-0 oc purlins,

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

except end verticals.

0-6-8 4-8-0 2-4-0 2-4-0

Scale = 1:29.3



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-P						Weight: 39 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

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

REACTIONS. (size) 8=4-8-0, 6=4-8-0, 7=4-8-0

Max Horz 8=159(LC 11)

Max Uplift 8=-161(LC 8), 6=-133(LC 12), 7=-196(LC 11) Max Grav 8=252(LC 18), 6=162(LC 18), 7=321(LC 10)

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

TOP CHORD 2-8=-296/272

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=161, 6=133, 7=196.



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

November 8,2021



Job Truss Truss Type Qty T25901821 2935497 V07 Valley 3 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:02 2021 Page 1

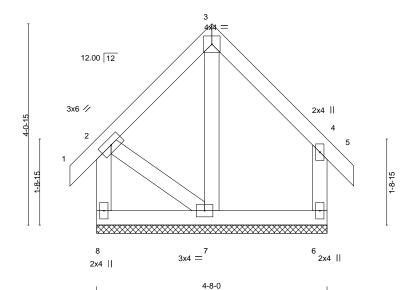
Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

|-0-6-8 | 0-6-8

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ogPlwCJ2WYFA2FLKIAcrerLcolRaluD?gmqkKKyMEwZ 4-8-0 2-4-0 2-4-0

Scale = 1:23.3



				4-8-0			1		_
osf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	
0.0	Plate Grip DOL	1.25	TC 0.10	Vert(LL)	0.00	5	n/r	120	
7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	0.00	5	n/r	120	

LOADING (p **TCLL** 20 TCDL **BCLL** 0.0 Rep Stress Incr YES WB 0.04 Horz(CT) -0.00 6 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-P

PLATES GRIP 244/190 MT20

Weight: 32 lb FT = 20%

LUMBER-

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

2x4 SP No.3 WEBS **OTHERS** 2x4 SP No.3 BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins,

except end verticals.

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

REACTIONS. (size) 8=4-8-0, 6=4-8-0, 7=4-8-0

Max Horz 8=-122(LC 10)

Max Uplift 8=-120(LC 12), 6=-120(LC 12), 7=-92(LC 11) Max Grav 8=185(LC 18), 6=151(LC 18), 7=258(LC 17)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 8=120, 6=120.



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

November 8,2021



Job Truss Truss Type Qty T25901822 2935497 V08 Valley 3 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:03 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Gszh8YKgHrN1gPwWsu74B3unJ9nh1Lu8vQaHsmyMEwY -0-6-8 0-6-8 5-2-8 2-4-0 2-4-0 Scale = 1:17.4 3 12.00 12 4 0-6-15 5 0-6-15 6 4x4 = 2x4 || 4x4 = 4-8-0 LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defI L/d **PLATES** GRIP (loc) 20.0 Plate Grip DOL 1.25 TC Vert(LL) 0.00 120 244/190 **TCLL** 0.11 5 n/r MT20

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

0.00

0.00

5

n/r

n/a

120

n/a

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

Structural wood sheathing directly applied or 4-8-0 oc purlins.

Weight: 24 lb

FT = 20%

LUMBER-

TCDL

BCLL

BCDL

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

7.0

0.0

10.0

WEDGE

Left: 2x4 SP No.3, Right: 2x4 SP No.3

REACTIONS. (size) 2=4-8-0, 4=4-8-0, 6=4-8-0

Max Horz 2=-72(LC 10)

Max Uplift 2=-48(LC 12), 4=-48(LC 12)

Lumber DOL

Rep Stress Incr

Code FBC2020/TPI2014

Max Grav 2=136(LC 1), 4=136(LC 1), 6=136(LC 3)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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

ВС

WB

Matrix-P

0.06

0.02

- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1.25

YES

- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.



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

November 8,2021



Job Truss Truss Type Qty T25901823 2935497 V09 Valley 3 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:04 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-k3X3LuKI29VuIZVjQbeJjGQzIZ6OmoMI84JqODyMEwX 1-8-15 1-8-15 Scale = 1:11.5 3x6 =2 12.00 12 3 2x4 // 2x4 📏

Tidle On	0010 (71,17	[2.0 0 0,Euge]										
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	n/a	` -	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	ВС	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-P						Weight: 11 lb	FT = 20%

LUMBER-

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

Plate Offsets (X V)-- [2:0-3-0 Edge]

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 3-5-13 oc purlins.

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

REACTIONS. 1=3-5-13, 3=3-5-13 (size)

Max Horz 1=-35(LC 10) Max Uplift 1=-10(LC 12), 3=-10(LC 12)

Max Grav 1=103(LC 1), 3=103(LC 1)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable requires continuous bottom chord bearing.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



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



Job Truss Truss Type Qty T25901824 2935497 V10 **GABLE** Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:05 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CF5RZELwoTdlvj4vzJ9YGUz7BySQVF1RMk3OxfyMEwW 3-0-15 2-0-0 Scale = 1:16.9 2x4 || 3 7.00 12 2x4 II 2

2x4 ||

BRACING-

	0-6-15	2-6-0	2-0	-0	7
LOADING (psf)	SPACING- 2-0	-0 CSI .	DEFL. in (loc) I/defl	L/d PLATES
TCLL 20.0	Plate Grip DOL 1.2	25 TC 0.09	Vert(LL) -0.00	3 n/r	120 MT20
TCDL 7.0	Lumber DOL 1.2	25 BC 0.04	Vert(CT) 0.00	3 n/r	120
BCLL 0.0 *	Rep Stress Incr N	O WB 0.04	Horz(CT) 0.00	6 n/a	n/a

3-0-15

Matrix-P

Horz(CT) 0.00 6 n/a n/a Weight: 19 lb FT = 20%

TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals.

5-0-15

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

6

2x4 ||

LUMBER-TOP CHORD

REACTIONS.

BCDL

2x4 SP No.2 2x4 SP No.2

(size)

BOT CHORD 2x4 SP No.3

10.0

WEBS

Max Horz 1=86(LC 9) Max Uplift 6=-26(LC 9), 7=-38(LC 12)

Max Grav 1=65(LC 18), 6=87(LC 17), 7=177(LC 17)

1=4-6-0, 6=4-6-0, 7=4-6-0

Code FBC2020/TPI2014

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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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

2x4 /

0-6-15

- 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.
- * 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7.



GRIP 244/190

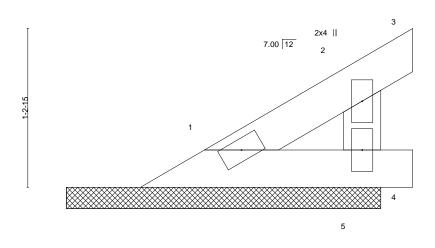
6904 Parke East Blvd. Tampa FL 33610





Job Truss Truss Type Qty T25901825 2935497 V11 **GABLE** Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:05 2021 Page 1 Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CF5RZELwoTdlvj4vzJ9YGUz89ySrVFcRMk3OxfyMEwW 2-5-8





2x4 / 2x4 ||

LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	n (loc)	l/defl	L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.03	Vert(LL) 0.0	0 2	n/r	120	MT20 244/190
TCDL 7.0 BCLL 0.0 *	Lumber DOL 1.25 Rep Stress Incr YES	BC 0.01 WB 0.00	Vert(CT) 0.0 Horz(CT) 0.0		n/r n/a	120 n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P	11012(01) 0.0	5	II/a	II/a	Weight: 7 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS.

5=2-5-8, 1=2-5-8 (size) Max Horz 1=32(LC 9) Max Uplift 5=-22(LC 12)

Max Grav 5=79(LC 17), 1=39(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=6.0psf; h=25ft; B=90ft; L=70ft; eave=8ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed; 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
- 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.
- Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 7) No notches allowed in overhang and 0 from left end and 0 from right end or 12" along rake from scarf, whichever is larger. Minimum 1.5x4 tie plates required at 2-0-0 o.c. maximum between the stacking chords. For edge-wise notching, provide at least one tie plate between each notch.



Structural wood sheathing directly applied or 2-5-8 oc purlins,

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

except end verticals.

6904 Parke East Blvd. Tampa FL 33610

November 8,2021

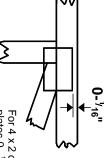


Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

4 × 4

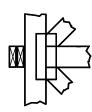
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



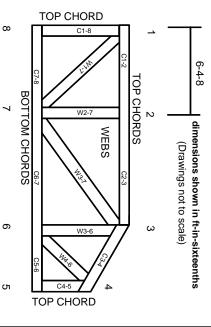
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

ANSI/TPI1: DSB-89:

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

© 2012 MiTek® All Rights Reserved



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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.

ω

- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other.

Ģ

- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.

œ

Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber

9

- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- 17. Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- 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/TPI 1 Quality Criteria.
- 21.The design does not take into account any dynamic or other loads other than those expressly stated.