

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

ALL INTERIOR BEARING WALLS
MUST BE IN PLACE PRIOR TO
INSTALLING TRUSSES.

1) NUMBER OF GIRDER PLIES AND NAILING SCHEDULE.

- 1) NUMBER OF GIRDER PLIES AND NAILING SCHEDULE.
- 2) BEARING BLOCK REQUIREMENTS.
- 3) SCAB DETAILS (IF REQUIRED)
- 4) UPLIFT AND GRAVITY REACTIONS.

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

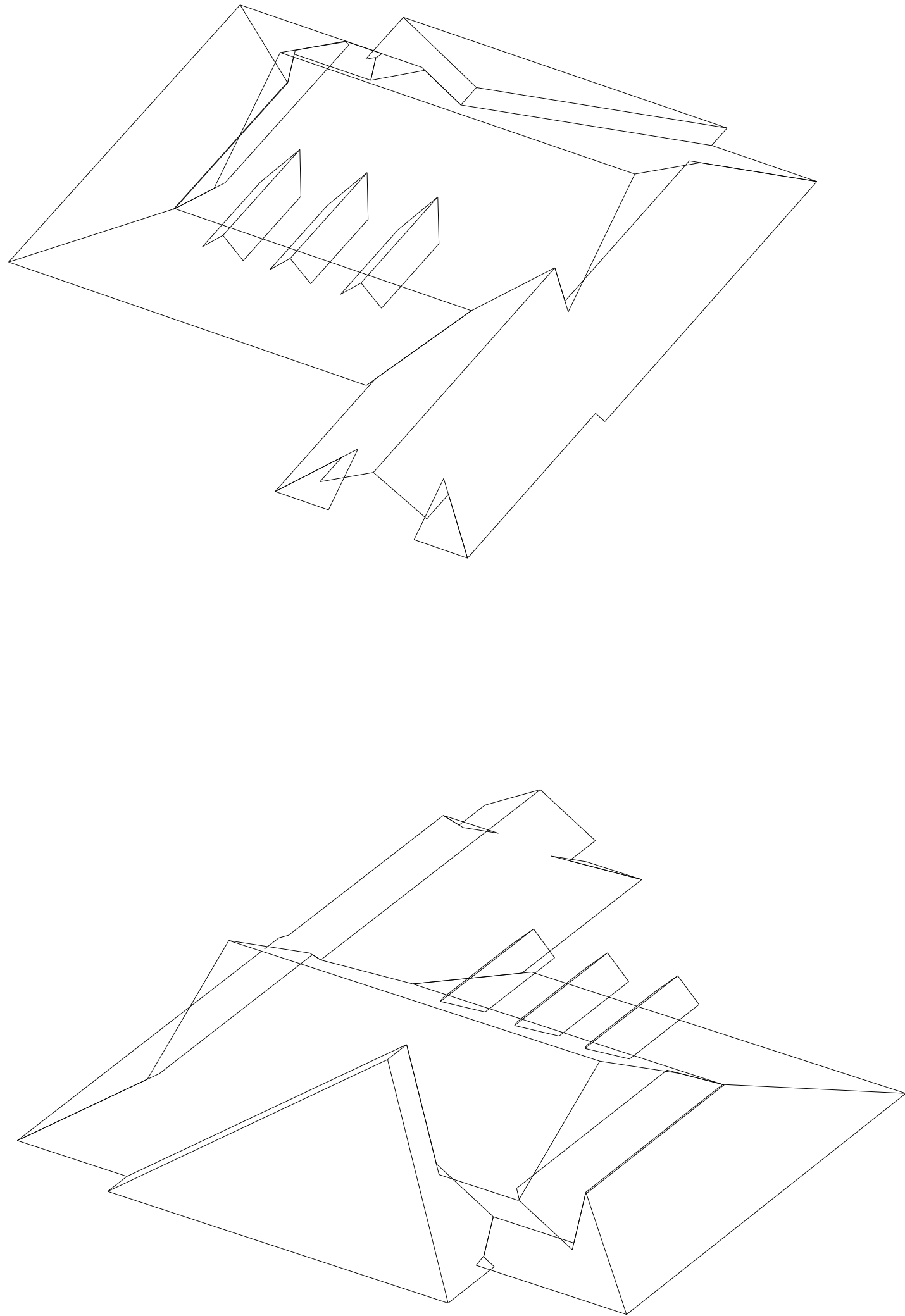
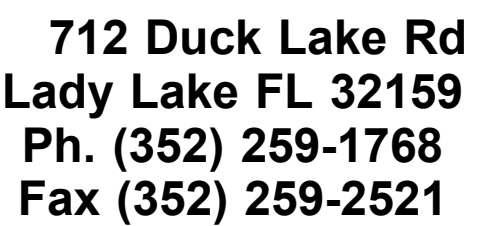
ROOF PITCH: 3/12, 7/12 & 12/12
 CEILING PITCH: 0/12
 TOP CHORD SIZE: 2 X 4
 BOTTOM CHORD SIZE: 2 X 4
 OVERHANG LENGTH: 10"
 END CUT: Plumb
 CANTILEVER: N/A
 TRUSS SPACING: 24"
 BUILDING CODE: FBC2020 TPI 2014

Hatch Legend	
	9' BRG
	8' BRG
	10' BRG
	11' BRG

GW HOMES

PLAN DATE:	XX
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REVISIONS:
1.
2.
3.
4.



SIMPSON ROOF TRUSS CONNECTOR SCHEDULE					
QTY	ID	MODEL	ROOF	UPLIFT	SYMBOL
4	A*	LUS24	895	490	
39	A	HTU26	3600	1555	
0	B	HTU28	4680	2140	
0	C	HTU26-2	3600	2175	
0	D	HTU28-2	4680	3485	
0	E	HGUS26-2	5320	2155	

VERIFY ALL DIMENISONS AND CEILING CONDITIONS PRIOR TO APPROVAL
SOME CEILING FRAMING REQUIRED IN FIELD BY BUILDER

MAIN WIND FORCE RESISTING SYSTEM/C-C HYBRID WIND ASCE 7-16
ENCLOSED
EXPOSURE CATEGORY B
OCCUPANCY CATEGORY II
WIND LOAD 130 MPH
WIND IMPORTANCE FACTOR 1.00
TRUSSES HAVE BEEN DESIGNED FOR A 10.0 PSF BOTTOM CHORD LIVE LOAD
NONCONCURRENT WITH ANY OTHER LIVE LOADS

By _____ Date _____
Requested Delivery Date: _____

ROOF LOADING		FLOOR LOADING	
TCLL:	20 PSF	TCLL:	40 PSF
TCDL:	7 PSF	TCDL:	10 PSF
BCDL:	10 PSF	BCDL:	5 PSF
TOTAL:	37 PSF	TOTAL:	55 PSF
DURATION:	1.25	DURATION:	1.00



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

RE: 2935497 -

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: GW Homes Project Name: . Model: Cambridge 2
Lot/Block: .31-7S-17 Subdivision: .
Address: 108 Blue Bird Ct, .
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

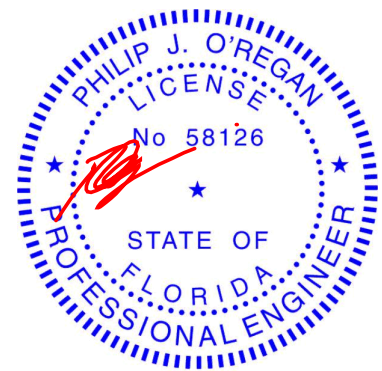
This package includes 112 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

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	11/8/21
3	T25901716	A02	11/8/21	25	T25901738	A22	11/8/21
4	T25901717	A02R	11/8/21	26	T25901739	A23	11/8/21
5	T25901718	A03	11/8/21	27	T25901740	A24	11/8/21
6	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	T25901723	A07	11/8/21	32	T25901745	B02	11/8/21
11	T25901724	A08	11/8/21	33	T25901746	B02R	11/8/21
12	T25901725	A09	11/8/21	34	T25901747	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	T25901730	A14	11/8/21	39	T25901752	C1B	11/8/21
18	T25901731	A15	11/8/21	40	T25901753	C1C	11/8/21
19	T25901732	A16	11/8/21	41	T25901754	C1G	11/8/21
20	T25901733	A17	11/8/21	42	T25901755	C1P	11/8/21
21	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: O'Regan, Philip
My license renewal date for the state of Florida is February 28, 2023.

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



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

November 8, 2021



RE: 2935497 -

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: GW Homes Project Name: . Model: Cambridge 2
Lot/Block: .31-7S-17 Subdivision: .
Address: 108 Blue Bird Ct, .
City: Fort White State: FL

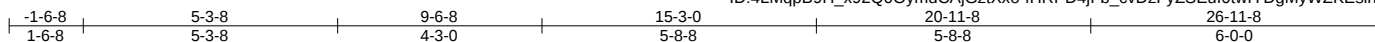
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
45	T25901758	C3C	11/8/21	102	T25901815	V01	11/8/21
46	T25901759	C3G	11/8/21	103	T25901816	V02	11/8/21
47	T25901760	C3P	11/8/21	104	T25901817	V03	11/8/21
48	T25901761	C5A	11/8/21	105	T25901818	V04	11/8/21
49	T25901762	C5G	11/8/21	106	T25901819	V05	11/8/21
50	T25901763	D01	11/8/21	107	T25901820	V06	11/8/21
51	T25901764	D02	11/8/21	108	T25901821	V07	11/8/21
52	T25901765	D03	11/8/21	109	T25901822	V08	11/8/21
53	T25901766	D04	11/8/21	110	T25901823	V09	11/8/21
54	T25901767	D05	11/8/21	111	T25901824	V10	11/8/21
55	T25901768	D06	11/8/21	112	T25901825	V11	11/8/21
56	T25901769	D07	11/8/21				
57	T25901770	D08	11/8/21				
58	T25901771	D09	11/8/21				
59	T25901772	D10	11/8/21				
60	T25901773	D11	11/8/21				
61	T25901774	D12	11/8/21				
62	T25901775	D13	11/8/21				
63	T25901776	D14	11/8/21				
64	T25901777	D15	11/8/21				
65	T25901778	D16	11/8/21				
66	T25901779	D17	11/8/21				
67	T25901780	E4	11/8/21				
68	T25901781	E5	11/8/21				
69	T25901782	E5A	11/8/21				
70	T25901783	E5B	11/8/21				
71	T25901784	E5G	11/8/21				
72	T25901785	E5P	11/8/21				
73	T25901786	E6G	11/8/21				
74	T25901787	E7	11/8/21				
75	T25901788	E7P	11/8/21				
76	T25901789	E7S	11/8/21				
77	T25901790	G01	11/8/21				
78	T25901791	G02	11/8/21				
79	T25901792	G03	11/8/21				
80	T25901793	G04	11/8/21				
81	T25901794	G05	11/8/21				
82	T25901795	H5B	11/8/21				
83	T25901796	H5C	11/8/21				
84	T25901797	H5G	11/8/21				
85	T25901798	H5P	11/8/21				
86	T25901799	H7A	11/8/21				
87	T25901800	M01	11/8/21				
88	T25901801	M02	11/8/21				
89	T25901802	M03	11/8/21				
90	T25901803	M04	11/8/21				
91	T25901804	M05	11/8/21				
92	T25901805	M06	11/8/21				
93	T25901806	M08	11/8/21				
94	T25901807	M09	11/8/21				
95	T25901808	M10	11/8/21				
96	T25901809	P0G	11/8/21				
97	T25901810	P01	11/8/21				
98	T25901811	P02	11/8/21				
99	T25901812	P03	11/8/21				
100	T25901813	P06	11/8/21				
101	T25901814	P07	11/8/21				

Job	Truss	Truss Type	Qty	Ply	T25901714
2935497	A01	Half Hip	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:50 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-fHRPD4jFb_cvDzFyZSEul0twlYDgMyWZKEsh_yMEyd



Scale: 1/4"=1'

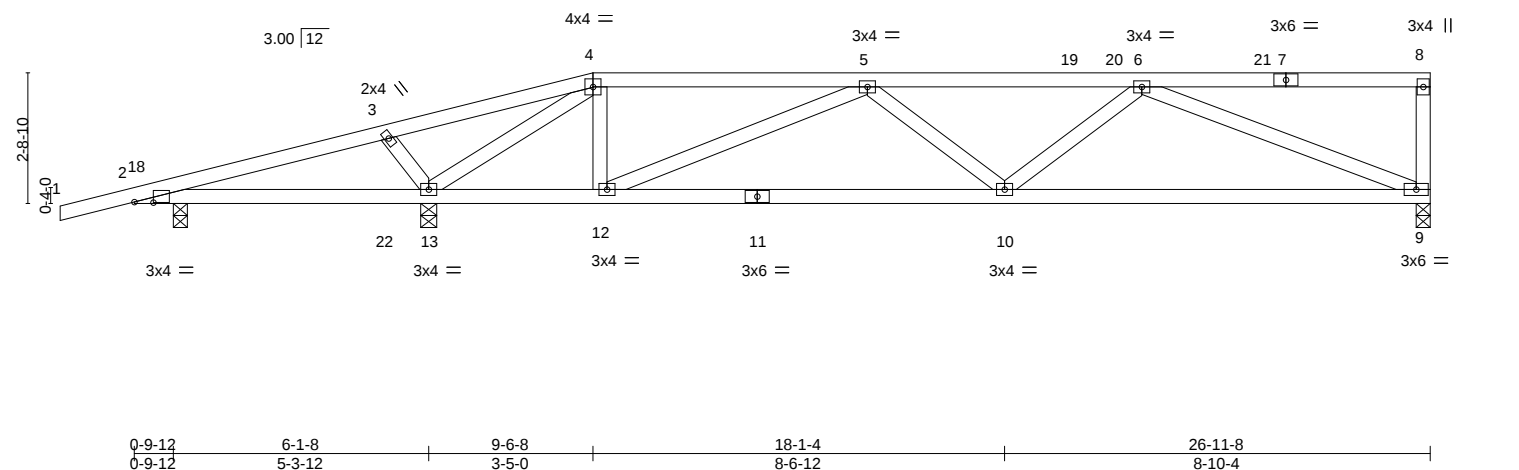


Plate Offsets (X,Y)-- [2:0-4-12,0-0-2]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	-0.13	9-10	>999
TCDL 7.0	Lumber DOL	1.25	BC 0.75	Vert(CT)	-0.27	9-10	>906
BCLL 0.0 *	Rep Stress Incr	YES	WB 1.00	Horz(CT)	0.04	9	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 126 lb		FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS.

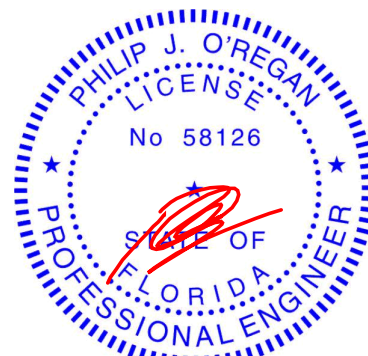
(size) 9=0-3-8, 2=0-3-8, 13=0-4-0
Max Horz 2=82(LC 11)
Max Uplift 9=-71(LC 9), 2=-128(LC 12), 13=-178(LC 12)
Max Grav 9=715(LC 22), 2=179(LC 21), 13=1173(LC 1)

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

TOP CHORD 2-3=-109/497, 3-4=-150/652, 4-5=-631/163, 5-6=-1433/350
BOT CHORD 2-13=-451/116, 12-13=-168/603, 10-12=-375/1411, 9-10=-334/1241
WEBS 3-13=-274/198, 4-13=-1484/348, 4-12=-18/459, 5-12=-860/313, 6-10=0/388, 6-9=-1265/375

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=128, 13=178.
- 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
Date:

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

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

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



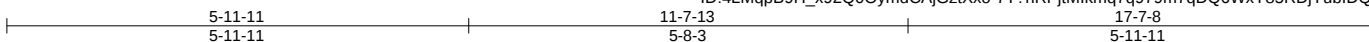
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901715
2935497	A01R	Flat	1	1	

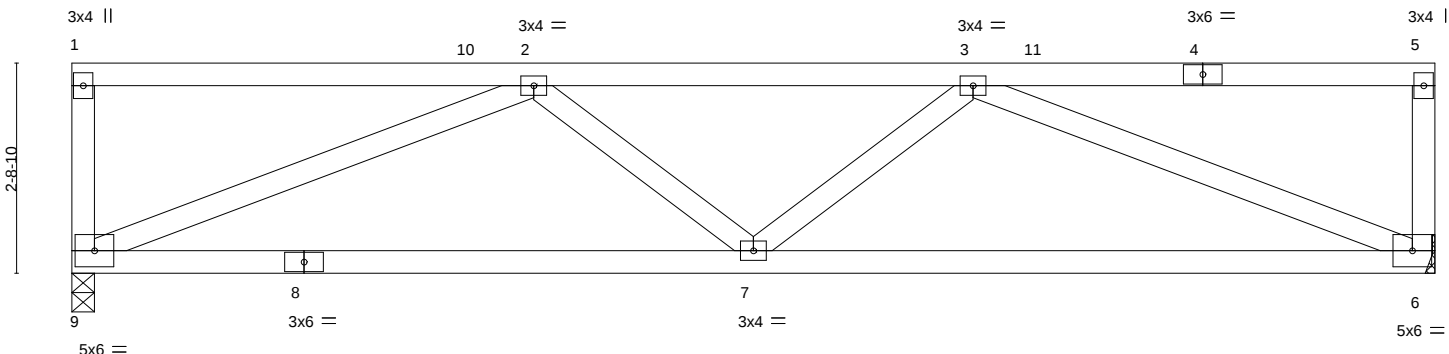
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:51 2021 Page 1

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Scale = 1:29.8



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

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 9=0-3-8, 6=Mechanical
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)

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.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:52 2021 Page 1
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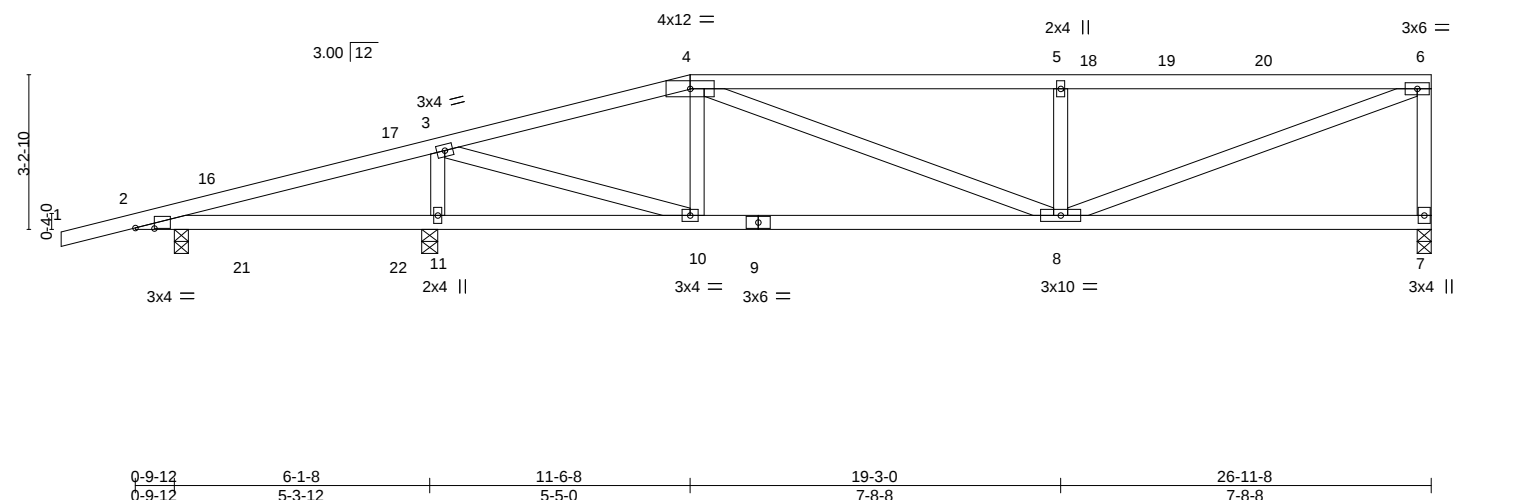


Plate Offsets (X,Y)-- [2:0-4-12,0-0-2]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.08 7-8 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.18 8-10 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01 7 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS				Weight: 128 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied.
BOT CHORD	2x4 SP No.2	BOT CHORD	
WEBS	2x4 SP No.3		

REACTIONS. (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.

TOP CHORD	2-3=-52/304, 3-4=-1000/287, 4-5=-1295/410, 5-6=-1295/410, 6-7=-655/222
BOT CHORD	2-11=-272/57, 10-11=-275/57, 8-10=-287/924
WEBS	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., GCp1=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.
- 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) 2=148, 11=157.
- 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
Date:

November 8.2021



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MH-7473 (REV. 3/19/2020) BEFORE USE.

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



6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	A02R	Roof Special	1	1	T25901717
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:53 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-3s7Xs5l7uv?T4R_XEaobveVSNiHmZKN00C4PIJyMEya



Scale = 1:30.6

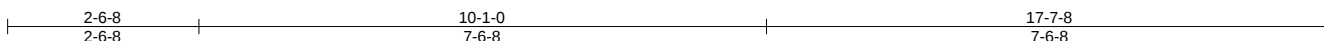
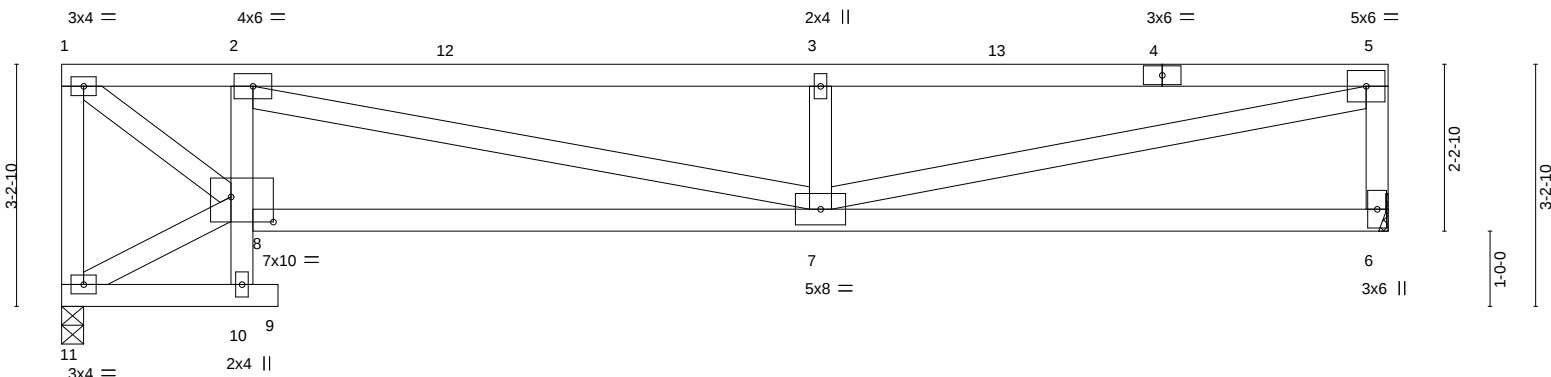


Plate Offsets (X,Y)-- [8:0-6-12,0-4-0]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	0.10 7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.21 7-8	>975	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.93	Horz(CT)	0.04 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 95 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
10-0-0 oc bracing: 8-10

REACTIONS.

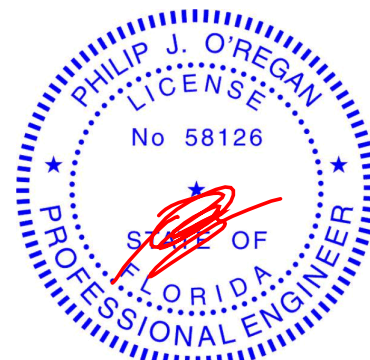
(size) 11=0-3-8, 6=Mechanical
Max Horz 11=-88(LC 10)
Max Uplift 11=-66(LC 8), 6=-70(LC 9)
Max Grav 11=650(LC 1), 6=643(LC 1)

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

TOP CHORD 1-11=-616/387, 1-2=-796/526, 2-3=-1582/884, 3-5=-1582/884, 5-6=-567/413
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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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) 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.



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

November 8, 2021

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	A03	Half Hip	1	1	T25901718

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:54 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Y2gw3RmlfD7KhaZkolJqSs2fD9e4lwP9FsqqlyMEyZ

-1-6-0
1-6-0

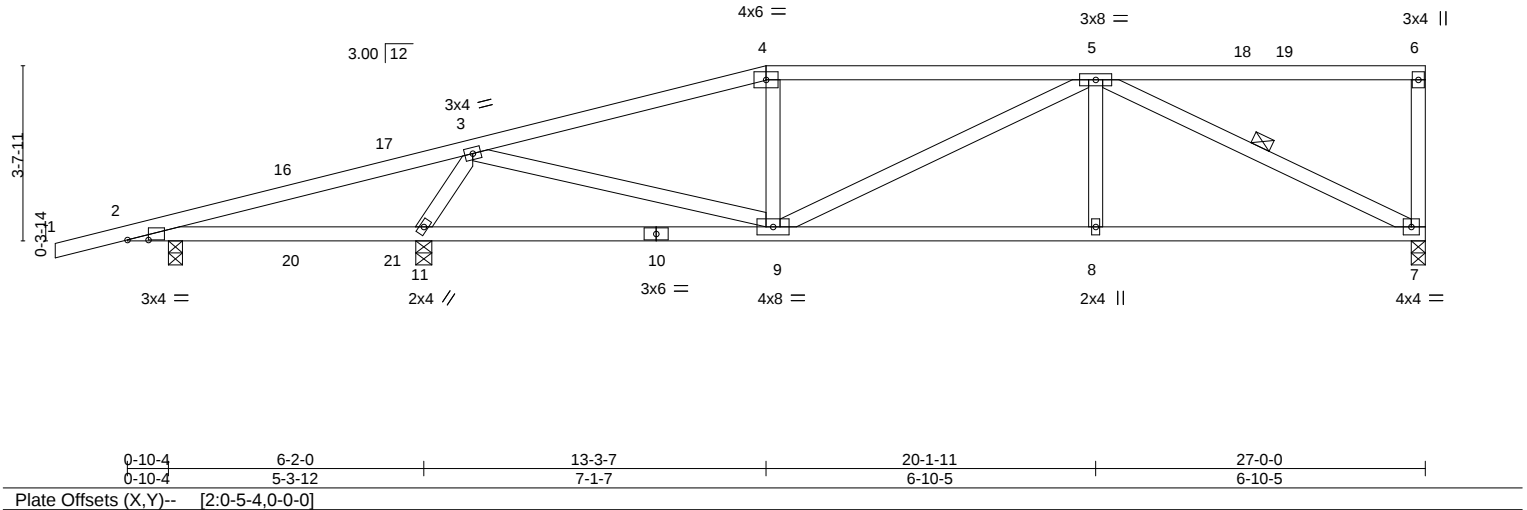
7-2-3
7-2-3

13-3-7
6-1-3

20-1-11
6-10-5

27-0-0
6-10-5

Scale: 1/4"=1'



0-10-4 0-10-4	6-2-0 5-3-12	13-3-7 7-1-7	20-1-11 6-10-5	27-0-0 6-10-5
Plate Offsets (X,Y)--	[2:0-5-4,0-0-0]			

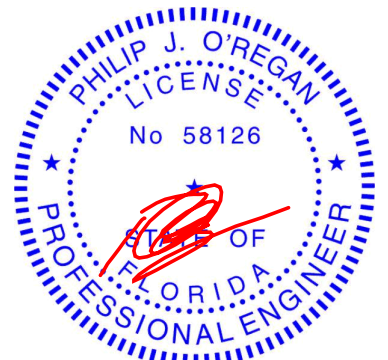
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.41	Vert(LL)	-0.07 9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.47	Vert(CT)	-0.14 9-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.37	Horz(CT)	0.02 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 130 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-7

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.
TOP CHORD	2-3=-48/328, 3-4=-1120/330, 4-5=-1039/329
BOT CHORD	2-11=-290/51, 9-11=-353/280, 8-9=-315/1080, 7-8=-315/1080
WEBS	3-11=-1064/360, 3-9=-98/795, 5-8=0/273, 5-7=-1157/349

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 2=158, 11=137.
 - 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
Date: November 8,2021

Job	Truss	Truss Type	Qty	Ply	T25901719
2935497	A03R	Roof Special	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:55 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0EEIGnnOQWFBjk8wM?q3?3bojZzR1GWJTWZVMBYMEyY

Job Reference (optional)

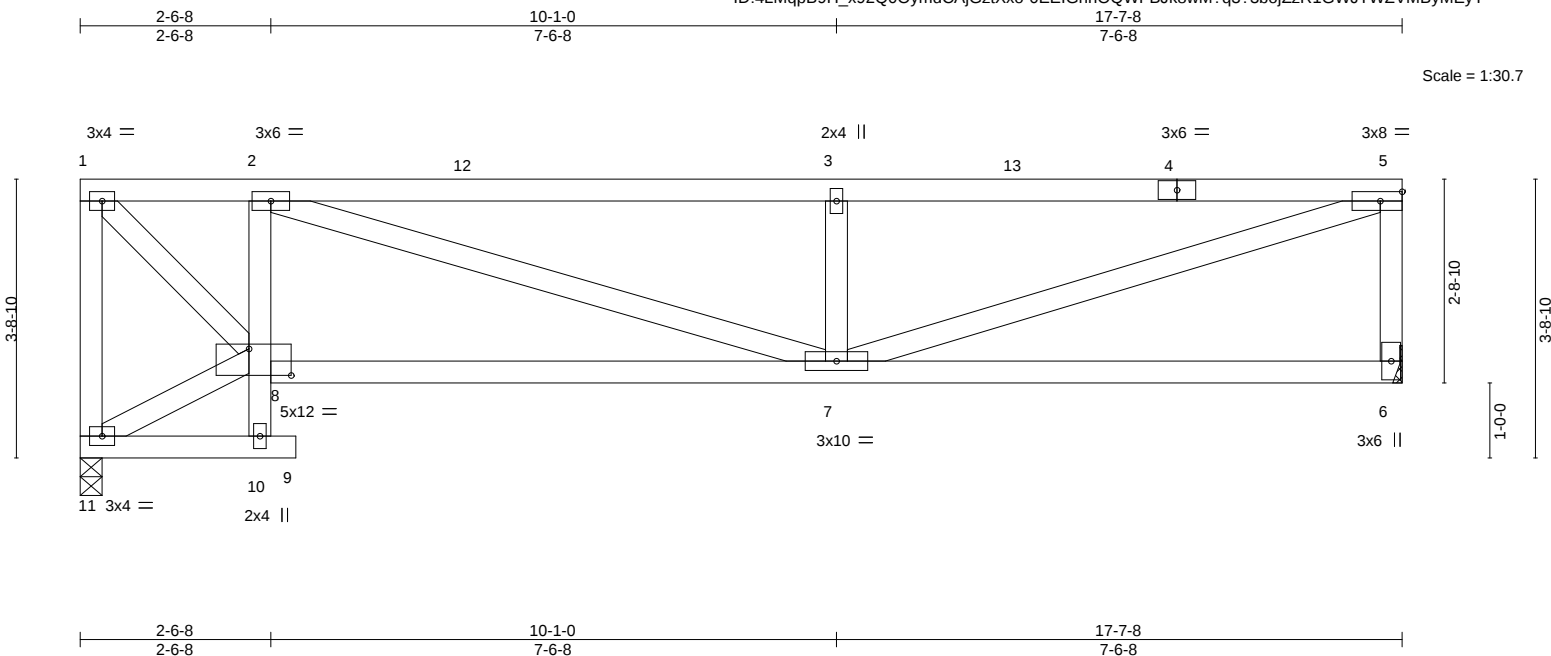


Plate Offsets (X,Y)-- [8:0-6-12,0-4-4]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	Vert(LL)	-0.08 7-8	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.18 7-8	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.83	Horz(CT)	0.03 6	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 99 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
10-0-0 oc bracing: 8-10

REACTIONS.

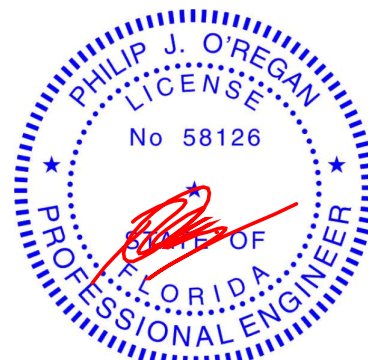
(size) 11=0-3-8, 6=Mechanical
Max Horz 11=-104(LC 10)
Max Uplift 11=-69(LC 8), 6=-73(LC 9)
Max Grav 11=650(LC 1), 6=643(LC 1)

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

TOP CHORD 1-11=-622/396, 1-2=-628/436, 2-3=-1270/715, 3-5=-1270/715, 5-6=-570/419
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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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) 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.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
2935497	A04	Half Hip	1	1	T25901720
Job Reference (optional)					

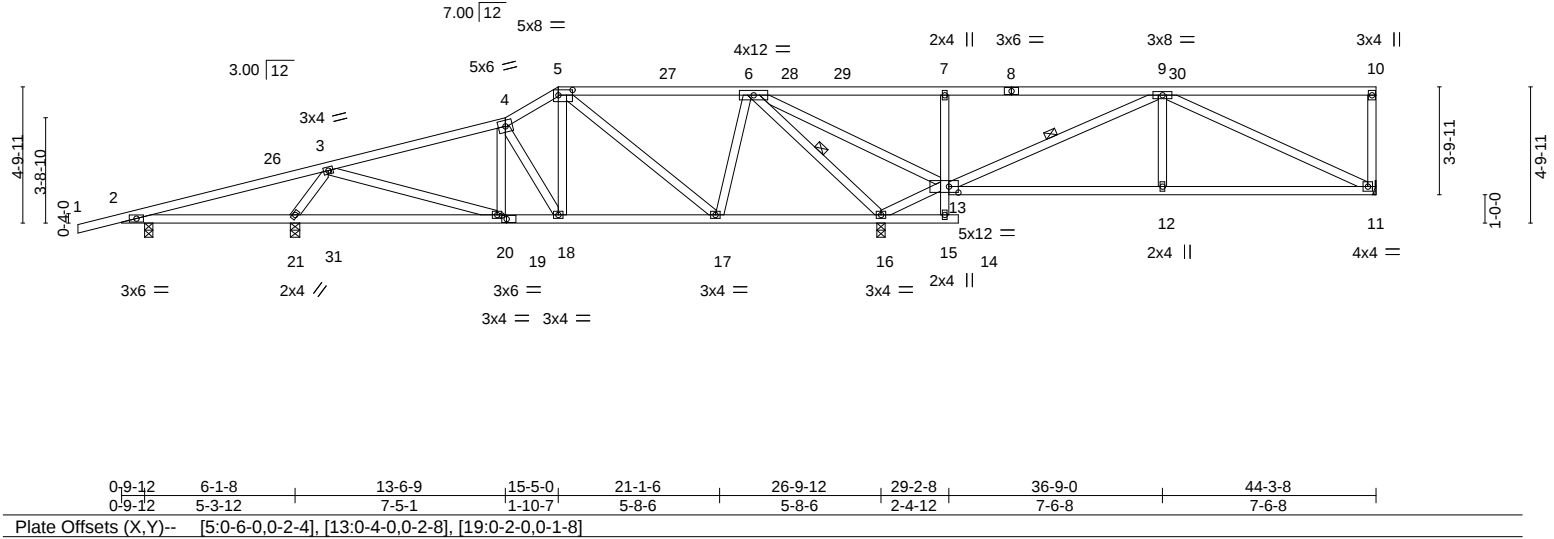
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:43:57 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ydM2hToey8VvY2lITQsX4Ug8rMe2VCHbxq2cR4yMEyW

1-6-8	7-3-9	13-6-9	15-5-0	22-3-12	29-2-8	36-9-0	44-3-8
1-6-8	7-3-9	6-3-1	1-10-7	6-10-12	6-10-12	7-6-8	7-6-8

Scale = 1:81.4



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.51	Vert(LL) -0.07 12-13 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 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/TPI2014	Matrix-AS		Weight: 244 lb	FT = 20%

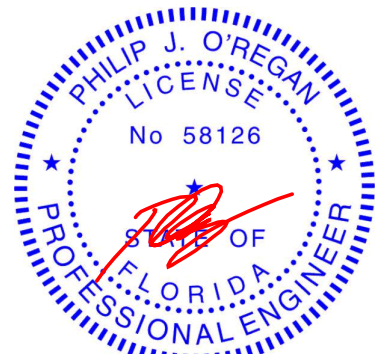
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
7-15: 2x4 SP No.3	6-0-0 oc bracing: 13-15
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-16, 9-13

REACTIONS. All bearings 0-3-8 except (jt=length) 11=Mechanical, 21=0-4-0.
 (lb) - Max Horz 2=137(LC 9)
 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 1)

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, 11-12=-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.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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
 Date: November 8, 2021

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6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
2935497	A06	GABLE	1	1	T25901722

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 1

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44-3-8

1-6-8
7-3-9
13-6-9
19-6-1
25-5-8
28-10-13
35-5-8
42-0-2
44-3-8

1-6-8
7-3-9
6-3-1
5-11-7
5-11-7
3-5-5
6-6-10
6-6-10
0-5-5

6-0-1
16-11-15
7x10 =

5x8 =
3x6 =
3x8 =
5x12 =

Scale = 1:84.3

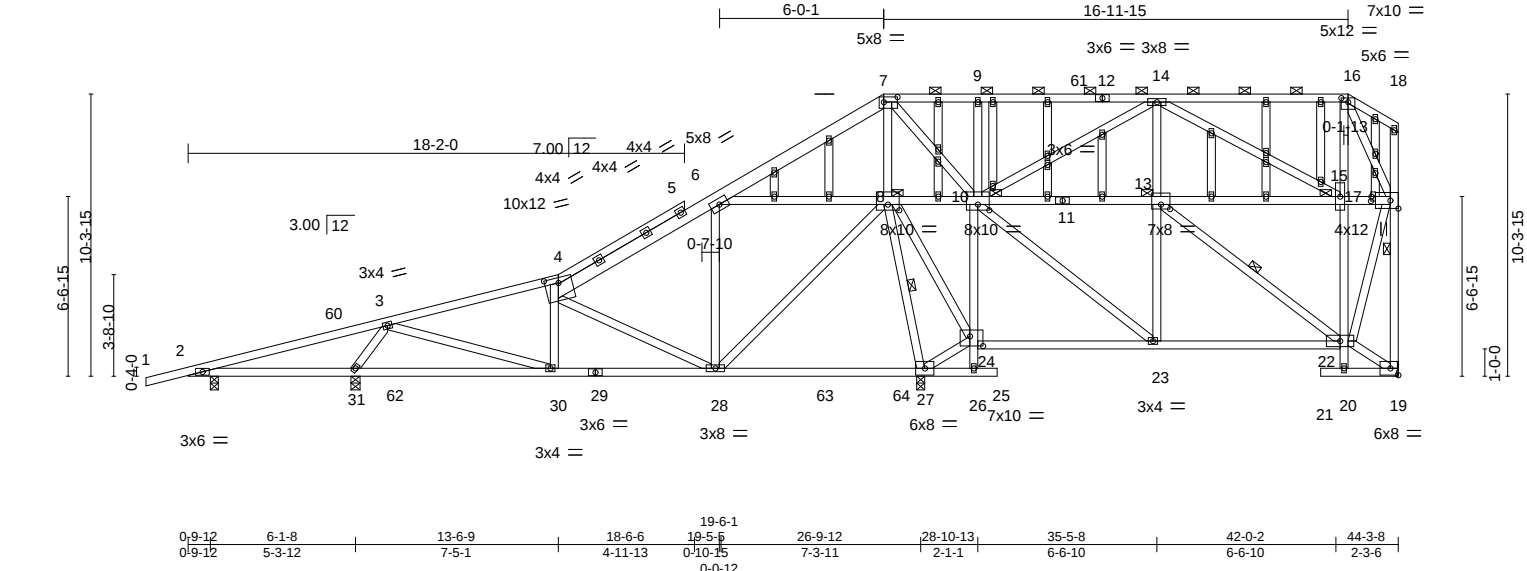


Plate Offsets (X,Y)--		[4:0-6-0,0-2-4], [7:0-6-0,0-2-4], [8:0-5-0,0-2-8], [10:0-5-0,0-2-8], [13:0-4-0,0-2-0], [16:0-3-0,0-1-13], [17:0-3-8,0-3-8], [24:0-5-12,0-4-4], [54:0-2-0,0-0-4]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.09 27-28	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	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		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 433 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 4-7: 2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-16, 6-17.
BOT CHORD	2x4 SP No.2 *Except* 10-26: 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied. Except: 6-0-0 oc bracing: 24-26 10-0-0 oc bracing: 20-22
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 8-27, 13-22, 18-19
OTHERS	2x4 SP No.3	JOINTS	1 Brace at Jt(s): 8, 13, 10, 15

REACTIONS. All bearings 0-3-8 except (jt=length) 27=0-3-11 (input: 0-3-8), 31=0-4-0, 19=Mechanical.

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

Max Uplift All uplift 100 lb or less at joint(s) except 2=-154(LC 12), 31=-132(LC 12), 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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCDL=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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

6904 Parke East Blvd.
Tampa, FL 36610

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 8,2021

Job	Truss	Truss Type	Qty	Ply	T25901722
2935497	A06	GABLE	1	1	Job Reference (optional)

- NOTES-**
- 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	Ply	
2935497	A08	Piggyback Base	1	1	T25901724
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:07 2021 Page 1
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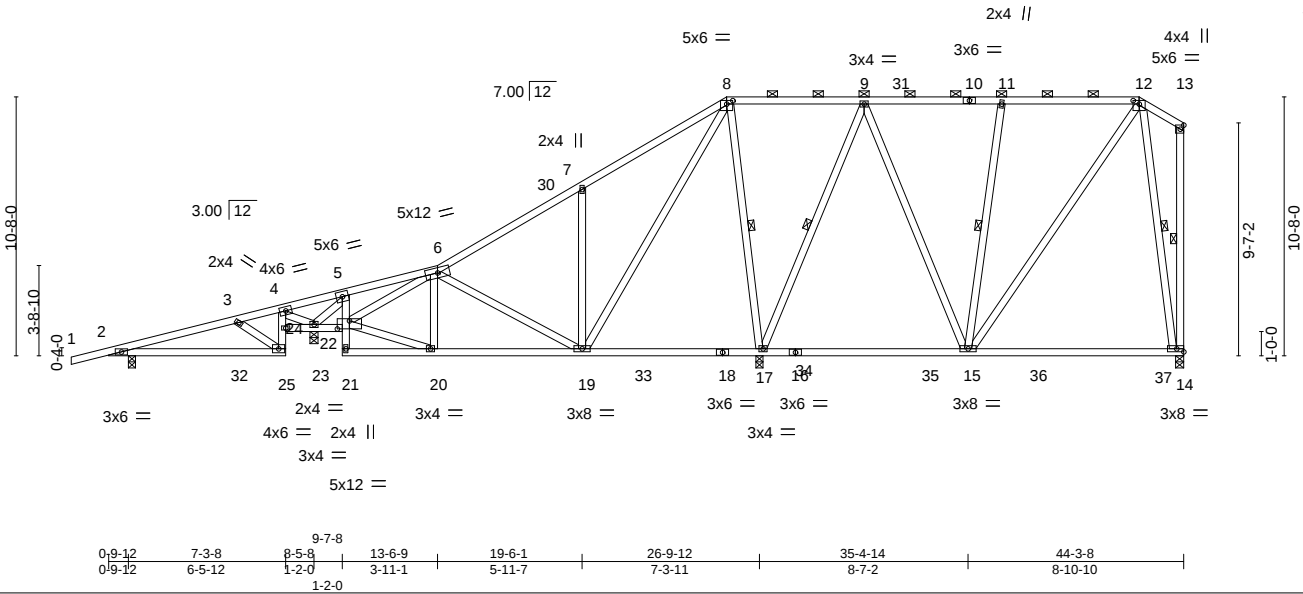
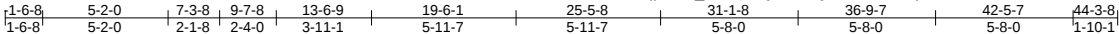


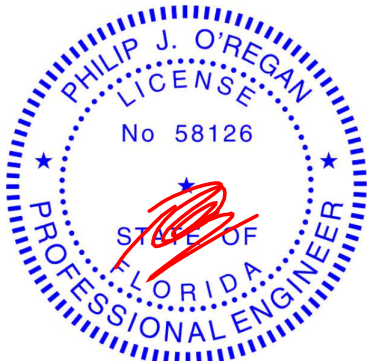
Plate Offsets (X,Y)--		[8:0-3-0,0-1-12], [12:0-3-0,0-1-12], [22:0-6-0,0-4-0]													
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.79	Vert(LL)	-0.25	14-15	>816	240	MT20	244/190	
TCDL	7.0	Lumber DOL		1.25		BC	0.88	Vert(CT)	-0.40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

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (6-0-0 max.): 8-12.
4-25,5-21: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 8-17, 9-17, 11-15, 13-14, 12-14
12-15: 2x4 SP No.2	

REACTIONS. All bearings 0-3-8 except (jt=length) 23=0-4-0, 14=0-4-0.
 (lb) - Max Horz 2=363(LC 11)
 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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=166, 23=174, 17=151.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Philip J. O'Regan PE No.58126
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date: November 8,2021

Job	Truss	Truss Type	Qty	Ply	
2935497	A09	Piggyback Base	1	1	T25901725
Job Reference (optional)					

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

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Page 1

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1-6-8 1-6-8	5-8-10 5-8-10	7-3-8 1-6-14	9-7-8 2-4-0	13-6-9 3-11-1	19-6-1 5-11-7	25-5-8 5-11-7	31-1-8 5-8-0	36-9-7 5-8-0	42-5-7 5-8-0	44-3-8 1-10-1
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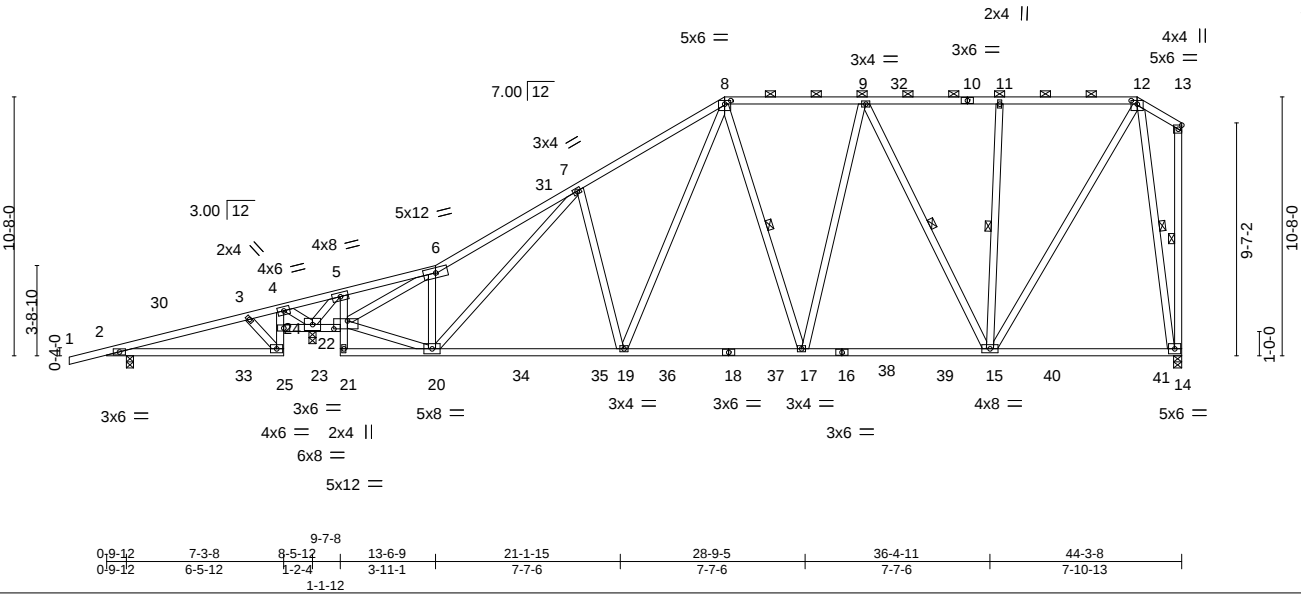


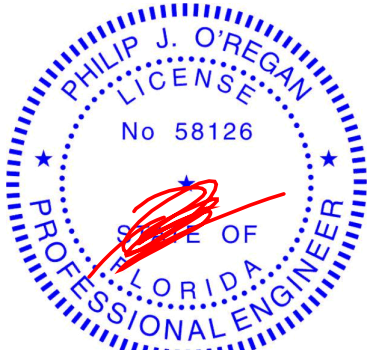
Plate Offsets (X,Y)--	[8:0-3-0,0-1-12], [12:0-3-0,0-1-12], [22:0-6-12,0-4-0]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	-0.18 14-15	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.80	Vert(CT)	-0.30 19-20	>999	180
BCLL 0.0 *	Rep Stress Incr	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%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-11-13 max.): 8-12.
BOT CHORD 2x4 SP No.2 *Except* 4-25-5-21: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 8-17, 9-15, 11-15, 13-14, 12-14

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 2-3=-170/261, 3-4=-245/329, 4-5=-477/834, 5-6=-886/54, 6-7=-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

- NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=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.
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) 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
Date:

November 8,2021

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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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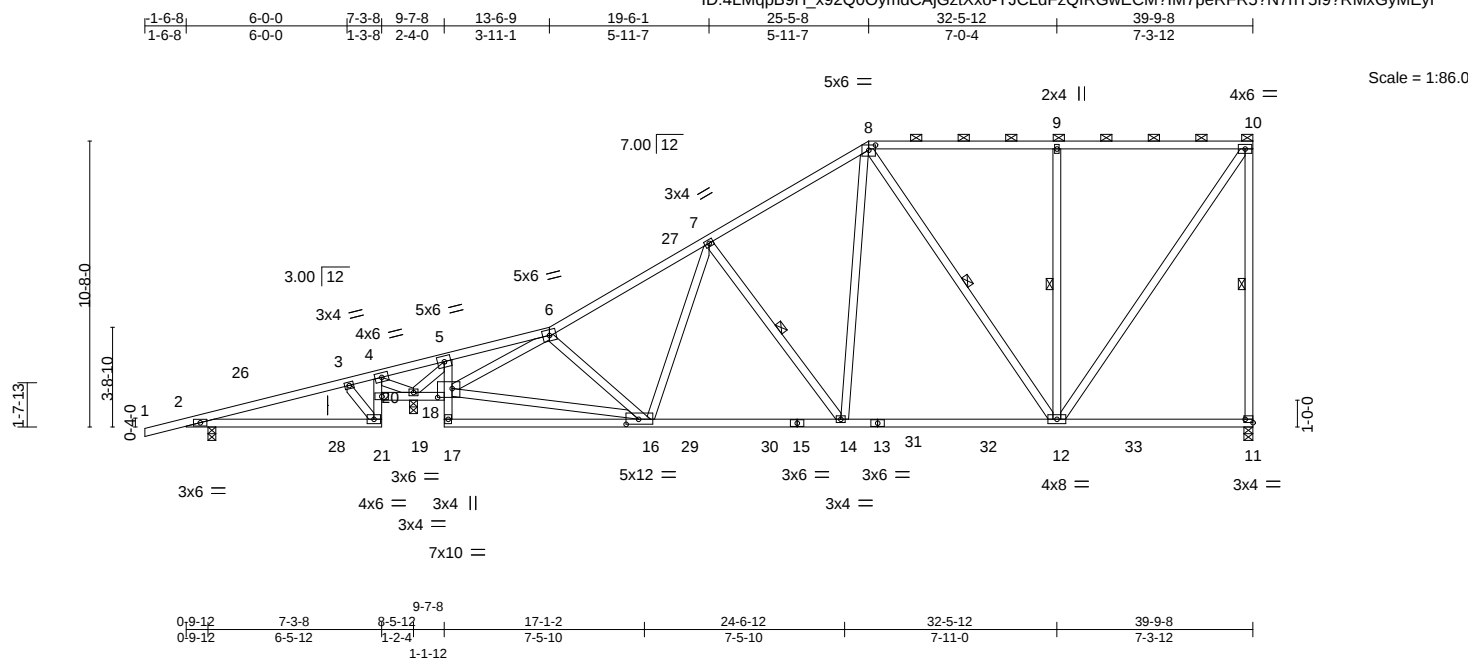


Plate Offsets (X,Y)-- [8:0-3-0-0-2-5], [11:Edge,0-1-8], [16:0-5-9-0-2-4], [18:0-6-8-0-4-0]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.91	Vert(LL)	-0.14	12-14	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL		1.25		BC	0.72	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/TPI2014				Matrix-AS								Weight: 264 lb FT = 20%	

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	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.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 10-11, 7-14, 8-12, 9-12

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

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

WEBS 4-19=-303/359, 5-19=-184/1394, 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.
- 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) 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
Date:

November 8, 2021



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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901728
2935497	A12	Piggyback Base	4	1	

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

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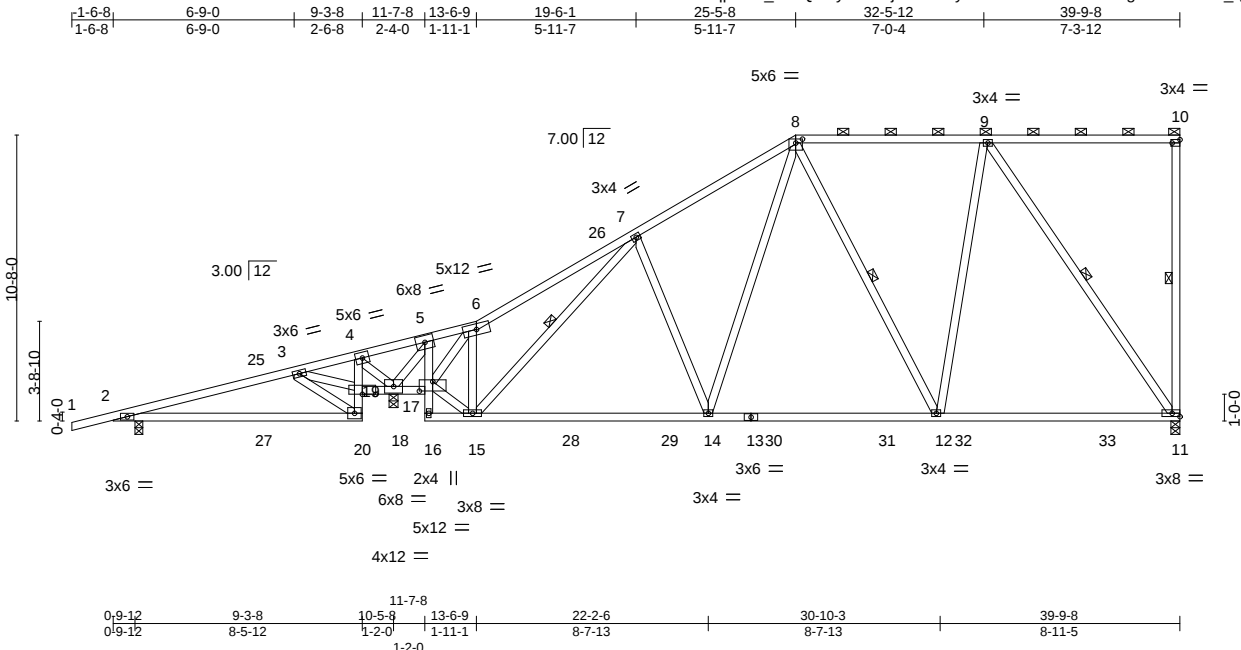


Plate Offsets (X,Y)--		[8:0-3-0,0-1-12], [10:Edge,0-1-8], [17:0-6-0,0-4-4]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	2-0-0	TC 0.97	in (loc) l/defl L/d
TCDL 7.0	Plate Grip DOL 1.25	BC 0.98	Vert(LL) 0.22 20-24 >580 240
BCLL 0.0 *	Lumber DOL 1.25	WB 0.86	Vert(CT) -0.44 11-12 >802 180
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.03 11 n/a n/a
	Code FBC2020/TPI2014		
			PLATES MT20
			GRIP 244/190
			Weight: 260 lb FT = 20%

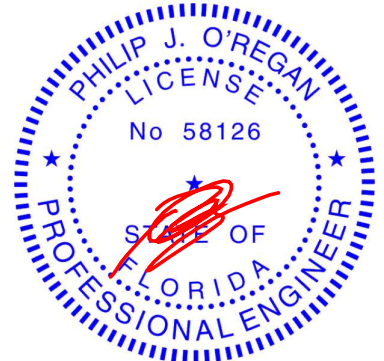
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (6-0-0 max.): 8-10.
4-20,5-16: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 10-11, 7-15, 8-12, 9-11
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
WEBS 4-18=-300/409, 5-18=-1691/326, 15-17=-321/1126, 6-17=-825/203, 7-15=-436/228, 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.
- 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) 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
Date: November 8,2021

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Job	Truss	Truss Type	Qty	Ply	T25901729
2935497	A13	Piggyback Base	1	1	

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

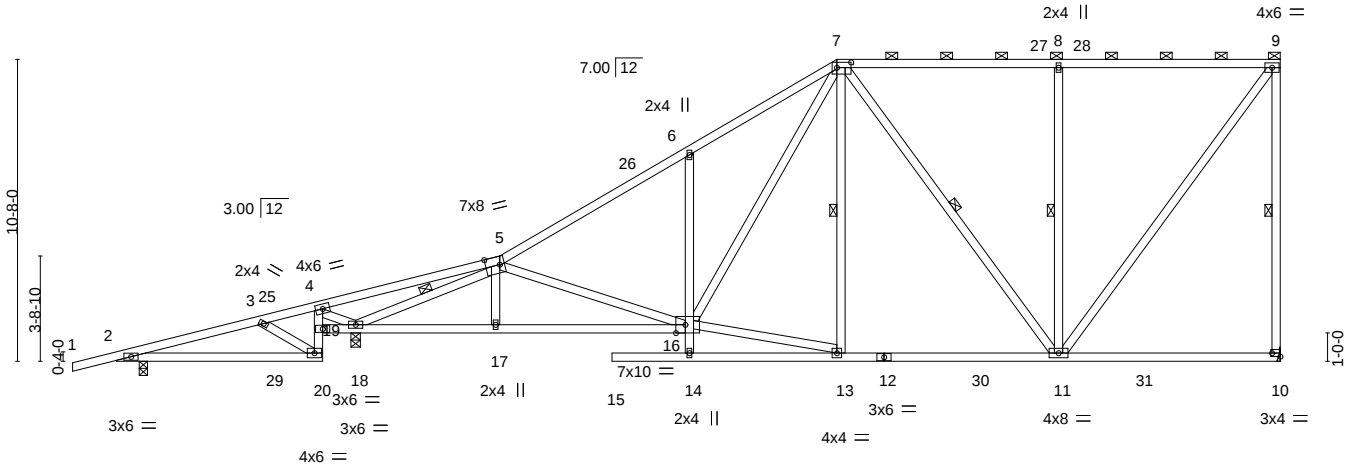
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:15 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Q4SsTd0wigmMjpgmXCBpHQ6ydk8jGOF4dPZ41yMEyE

1-6-8	5-0-0	7-3-8	13-6-9	20-1-4	25-5-8	33-3-8	41-1-8
1-6-8	5-0-0	2-3-8	6-3-1	6-6-11	5-4-4	7-10-0	7-10-0

5x8 =

Scale = 1:81.4



0-9-12	7-3-8	8-5-8	13-6-9	20-1-4	25-5-8	33-3-8	41-1-8
0-9-12	6-5-12	1-2-0	5-1-1	6-6-11	5-4-4	7-10-0	7-10-0

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

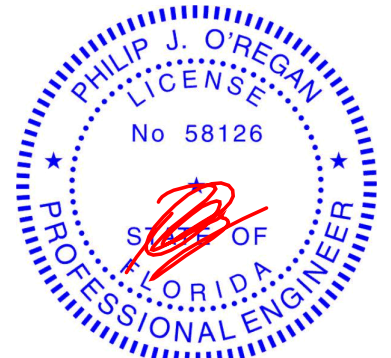
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.98	Vert(LL)	-0.20	15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.78	Vert(CT)	-0.36	15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.96	Horz(CT)	0.07	10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 277 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-8-6 max.): 7-9.
BOT CHORD 2x4 SP No.2 *Except* 4-20,6-14: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied. Except: 10-0-0 oc bracing: 14-16
WEBS 2x4 SP No.3 *Except* 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
WEBS 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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=112, 2=165, 18=213.
 - 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.
 - 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
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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901731
2935497	A15	Piggyback Base	1	1	

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

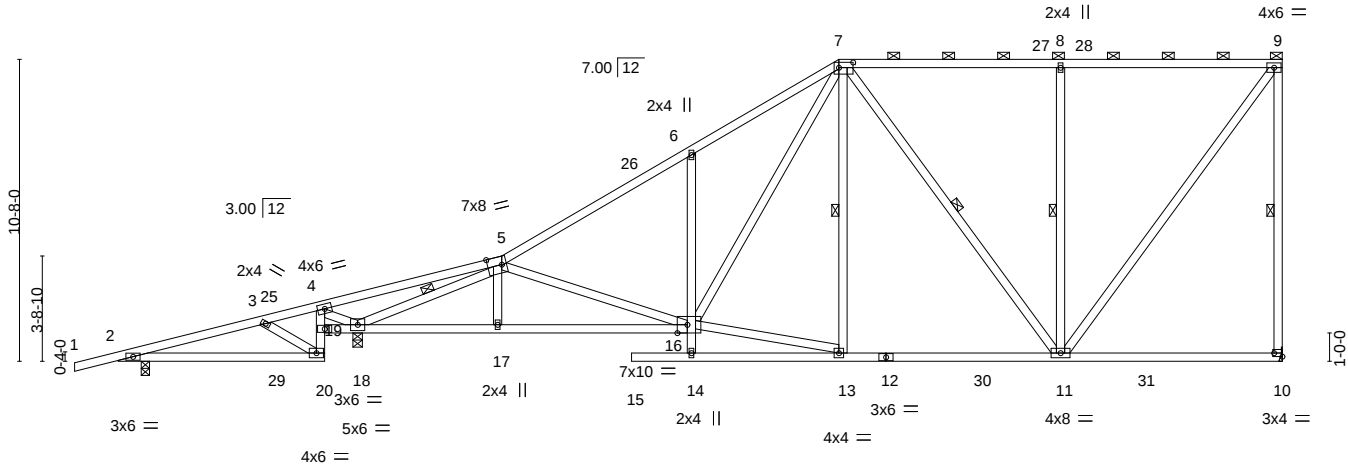
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:18 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rf7_5e2p?b8waGOLCKISQw1dHqJwvd?hmbDhMyMEyB

1-6-8	5-0-0	7-3-8	13-6-9	20-1-4	25-5-8	33-3-8	41-1-8
1-6-8	5-0-0	2-3-8	6-3-1	6-6-11	5-4-4	7-10-0	7-10-0

5x8 =

Scale = 1:81.4



0-9-12	7-3-8	8-5-8	13-6-9	20-1-4	25-5-8	33-3-8	41-1-8
0-9-12	6-5-12	1-2-0	5-1-1	6-6-11	5-4-4	7-10-0	7-10-0

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.98	Vert(LL)	-0.18 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.77	Vert(CT)	-0.34 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.07 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 276 lb	FT = 20%

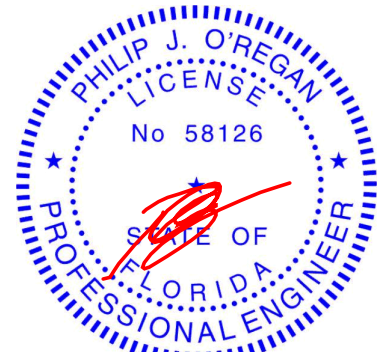
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-8-9 max.): 7-9.
BOT CHORD 2x4 SP No.2 *Except* 4-20,6-14: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied. Except: 10-0-0 oc bracing: 14-16
WEBS 2x4 SP No.3 *Except* 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=-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
WEBS 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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=114, 2=165, 18=219.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 8, 2021

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

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901732
2935497	A16	Piggyback Base	1	1	

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-JshMJ_3RmuGnBQzXm2Ghz7apjE5_f7fr_FNnDoyMEyA

Job Reference (optional)

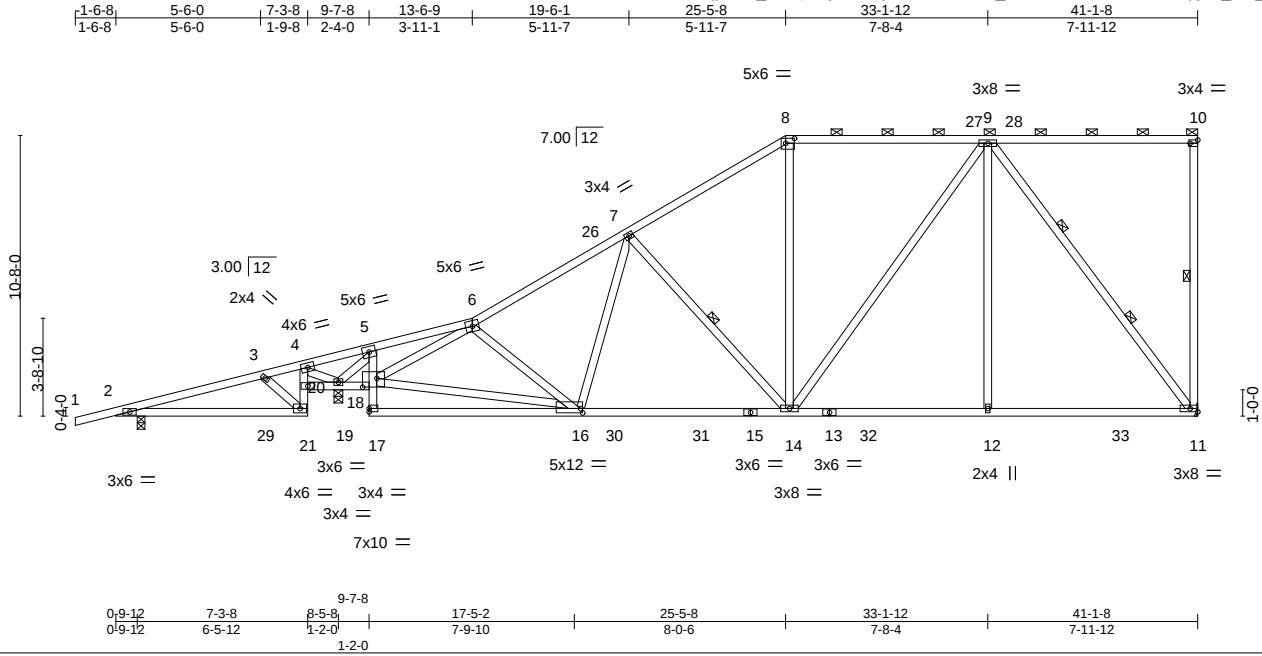


Plate Offsets (X,Y)--		[8:0-4-0,0-2-4], [10:Edge,0-1-8], [16:0-0-15,0-2-0], [18:0-6-8,0-4-0]																
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.			in (loc) l/defl L/d		PLATES		GRIP			
TCLL	20.0	Plate Grip DOL		1.25		TC 0.93		Vert(LL)			-0.17	11-12	>999	240	MT20		244/190	
TCDL	7.0	Lumber DOL	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

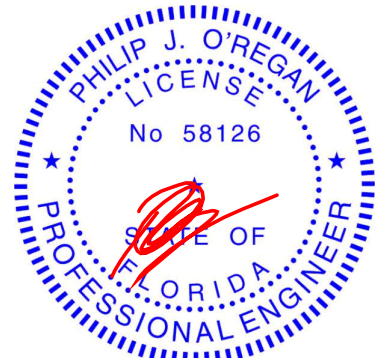
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and
BOT CHORD 2x4 SP No.2 *Except*	2-0-0 oc purlins (5-0-6 max.): 8-10.
4-21,5-17: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3 *Except*	WEBS 1 Row at midpt 10-11, 7-14
9-14,9-11: 2x4 SP No.2	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
BOT CHORD 2-21=-391/91, 20-21=-297/190, 4-20=-258/137, 19-20=-436/38, 18-19=-268/726,
5-18=-146/1001, 16-17=-13/280, 14-16=-506/1563, 12-14=-289/920, 11-12=-289/920
WEBS 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-

- 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.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 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.



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Tampa, FL 33610

Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:21 2021 Page 1
ID: 4LMqpB9H_x92Q0OymdCAjGztXxo-FEp7kg5hIWWVRk7wtTI92Yf8J1nc71S8S2suHhyMEy8

10'-8.0"
3'-8.10"
2'-3.8"

3x8 ||
14
3x4 ||
13
3x8 =
12
3x4 =
19
11
10
3x6 =
9
3x4 =
3x6 =
20
8
4x8 =
21
7
3x4 =

3.00 | 12
4x6 =
2
15
3x6 =
3
7.00 | 12
4
16
5
17
18
2x4 ||
3x8 =
6

5-8-9
5-8-9
11-8-1
5-11-7
17-7-8
5-11-7
25-5-8
7-10-0
33-3-8
7-10-0

Scale = 1:63.3

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-7-10 max.): 4-6.
BOT CHORD	2x4 SP No.2		
WEBS	2x4 SP No.3 *Except*	BOT CHORD	Rigid ceiling directly applied.
	6-7, 4-8, 6-8: 2x4 SP No.2	WEBS	1 Row at midpt 6-7, 3-10, 4-8, 5-8, 6-8

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.

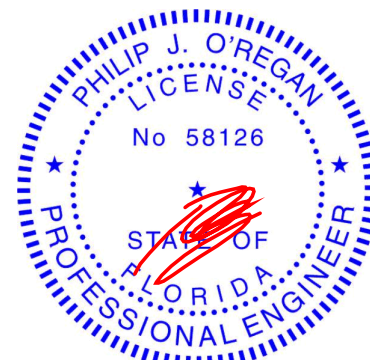
TOP CHORD 1-2=-2070/379, 2-3=-1948/410, 3-4=-1444/396, 4-5=-895/332, 5-6=-895/332,
6-7=-1331/394, 1-14=-1327/291

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

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 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.
- 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) 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
Date:

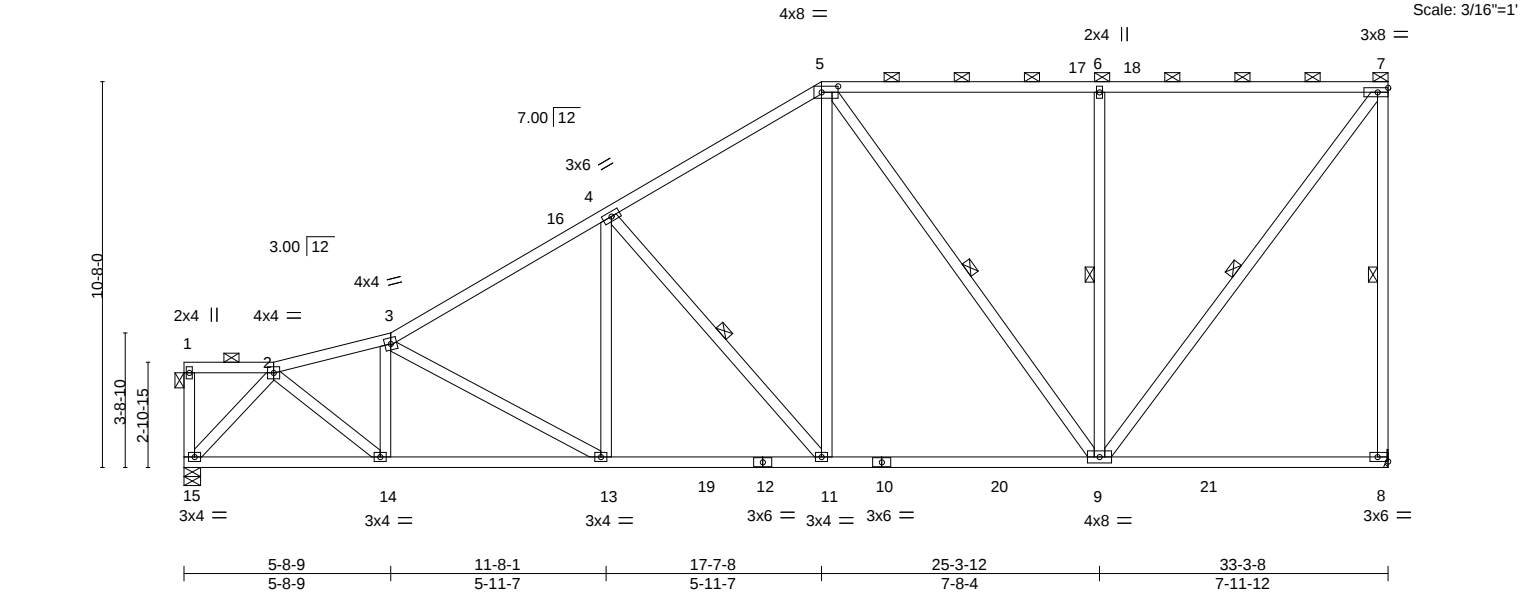
November 8.2021

Job	Truss	Truss Type	Qty	Ply	T25901734
2935497	A18	Piggyback Base	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:22 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-jRNVx05J3peM2ui6RApObmCICR7osY0HhDcRq7yMEy7



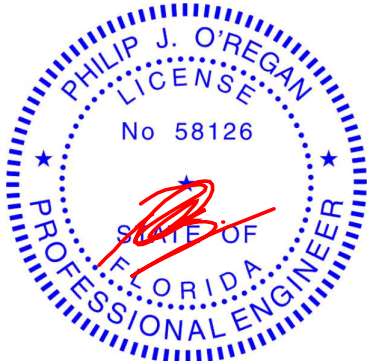
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.98	Vert(LL)	-0.18 8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.78	Vert(CT)	-0.28 8-9	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Horz(CT)	0.06 8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 236 lb	FT = 20%

- LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8,5-9,7-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-6-2 max.): 1-2, 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 4-11, 5-9, 6-9, 7-9
- REACTIONS.** (size) 15=0-5-8, 8=Mechanical
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)

- 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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=113, 8=141.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

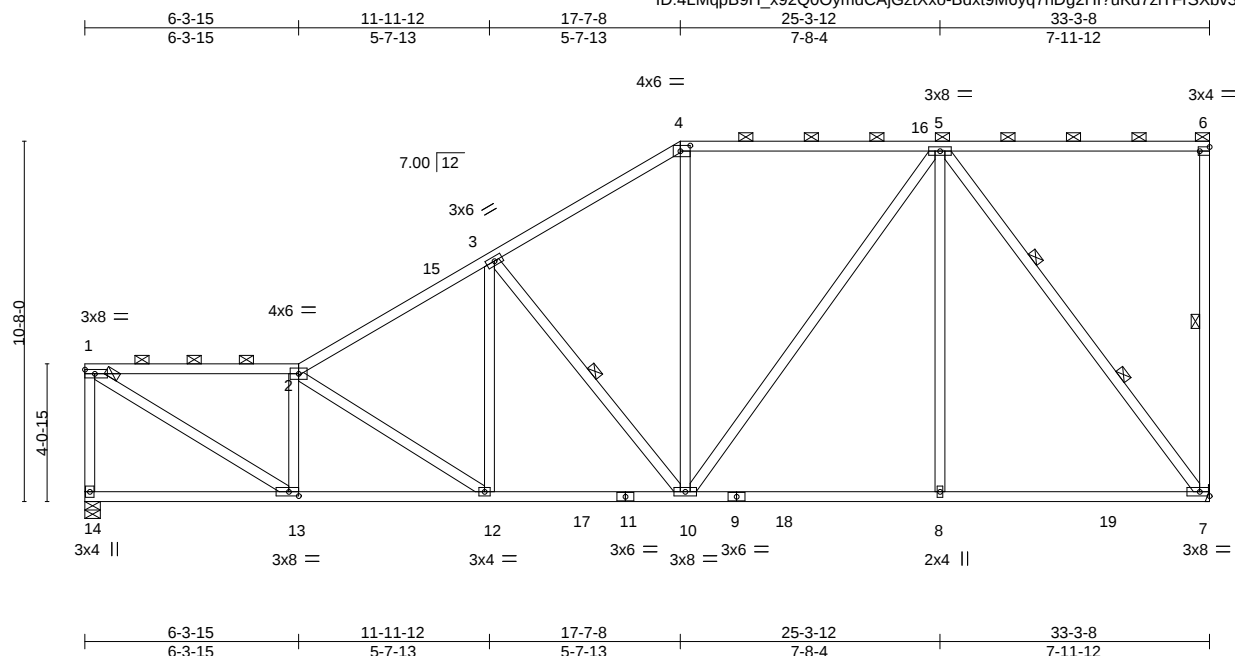
November 8,2021

Job	Truss	Truss Type	Qty	Ply	
2935497	A19	Piggyback Base	1	1	T25901735

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:23 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Bdxt9M6yq7nDg2Hl?uKd7zITFrSxbv3QvtL_MZyMEy6



Scale = 1:68.2

Plate Offsets (X,Y)-- [4:0-3-8,0-2-0], [6:Edge,0-1-8], [13:0-3-8,0-1-8]																
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP		
TCLL	20.0	Plate Grip DOL		1.25		TC	0.96	Vert(LL)	-0.17	7-8	>999	240	MT20	244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.81	Vert(CT)	-0.28	7-8	>999	180				
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.85	Horz(CT)	0.05	7	n/a	n/a				
BCDL	10.0	Code FBC2020/TPI2014				Matrix-AS							Weight: 237 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-10,5-7: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-5 max.): 1-2, 4-6.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-7, 3-10
2 Rows at 1/3 pts 5-7

REACTIONS.

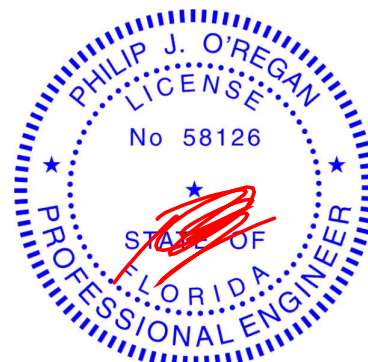
(size) 14=0-5-8, 7=Mechanical
Max Horz 14=353(LC 9)
Max Uplift 14=-114(LC 12), 7=-141(LC 9)
Max Grav 14=1405(LC 17), 7=1498(LC 17)

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

TOP CHORD 1-14=-1304/192, 1-2=-1938/191, 2-3=-1917/251, 3-4=-1439/273, 4-5=-1205/273
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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=114, 7=141.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

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

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	A20	Piggyback Base	1	1	T25901736

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:24 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-fpUFM7abRv4IBsVZbrsgBHezFnYKMGa8X5Yu0yMEy5

Job Reference (optional)

4-3-12	8-3-15	12-11-12	17-7-8	25-3-12	33-3-8
4-3-12	4-0-4	4-7-13	4-7-13	7-8-4	7-11-12

5x6 =

Scale: 3/16"=1'

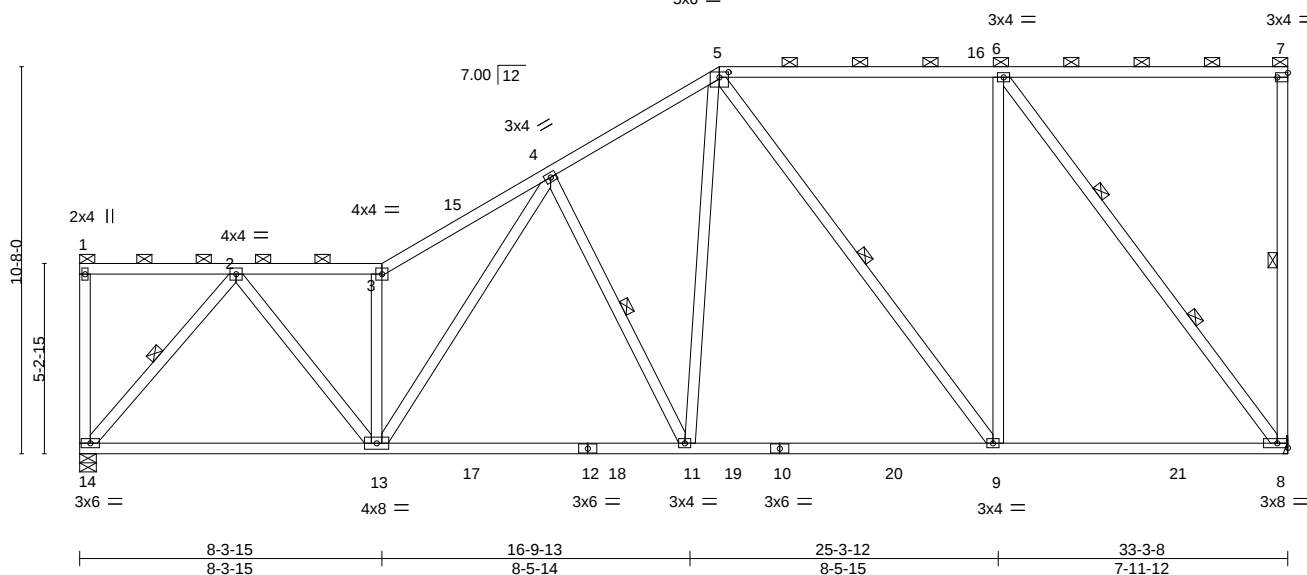


Plate Offsets (X,Y)--		[5:0-3-0,0-1-12], [7:Edge,0-1-8]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.96	Vert(LL)	-0.21	11-13	>999		240		MT20		244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.89	Vert(CT)	-0.34	11-13	>999		180						
BCLL	0.0 *	Rep Stress Incr		YES		WB	0.85	Horz(CT)	0.06	8	n/a		n/a						
BCDL	10.0	Code FBC2020/TPI2014				Matrix-AS										Weight: 241 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-9,6-8: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-3-6 max.): 1-3, 5-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 2-14, 4-11, 5-9
2 Rows at 1/3 pts 6-8

REACTIONS.

(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.

TOP CHORD 2-3=-1876/183, 3-4=-2267/268, 4-5=-1547/270, 5-6=-937/245
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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=115, 8=140.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 8,2021

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	A21	Piggyback Base	1	1	T25901737
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:26 2021 Page 1

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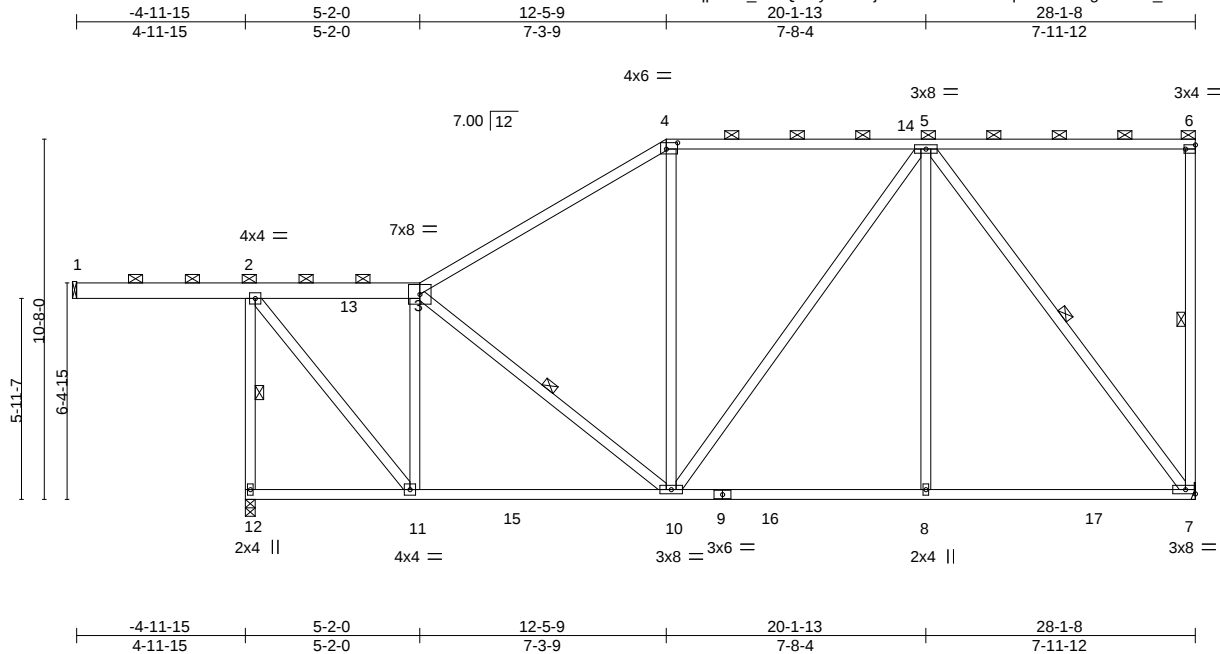


Plate Offsets (X,Y)-- [4:0-4-0,0-2-4], [6:Edge,0-1-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.99	Vert(LL)	-0.17	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.27	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 225 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
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

BRACING-

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.

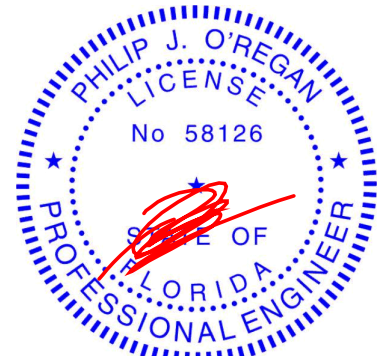
(size) 12=0-3-8, 1=Mechanical, 7=Mechanical
Max Horz 12=347(LC 9)
Max Uplift 12=-148(LC 12), 1=-46(LC 12), 7=-149(LC 9)
Max Grav 12=1339(LC 18), 1=106(LC 1), 7=1270(LC 17)

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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 12=148, 7=149.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

November 8, 2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901738
2935497	A22	Piggyback Base	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:28 2021 Page 1

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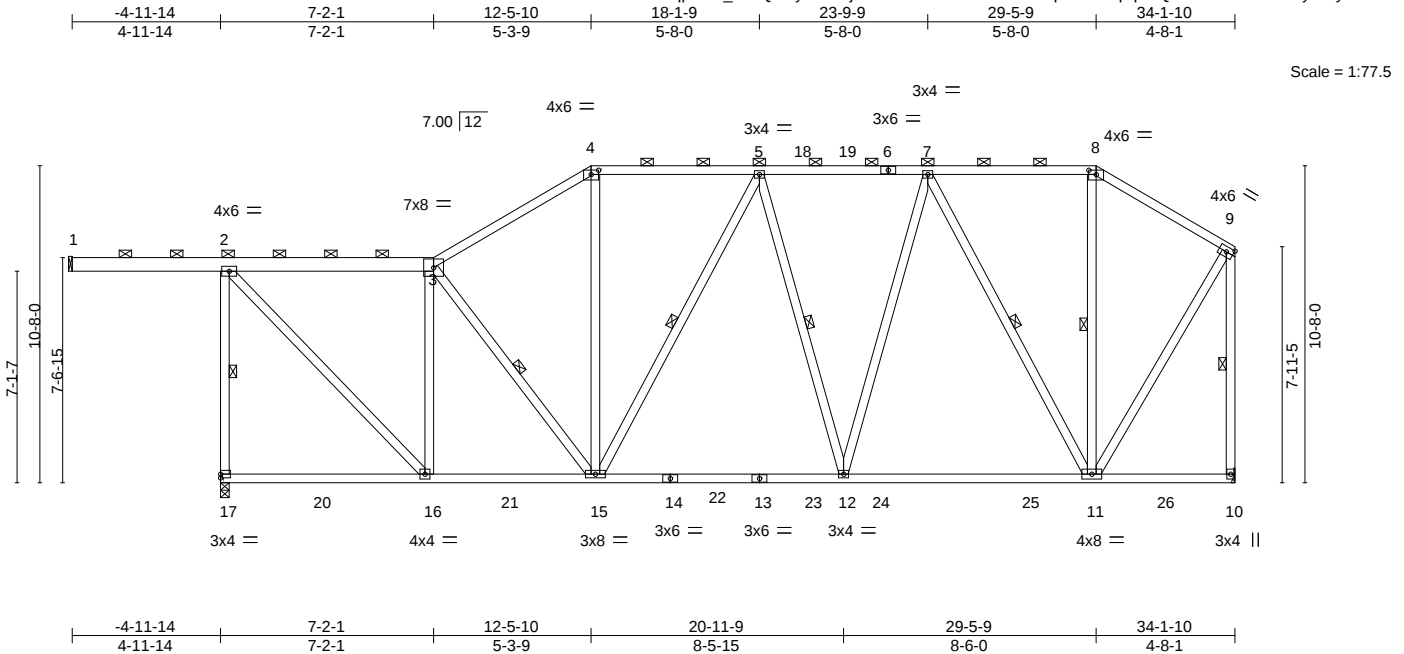


Plate Offsets (X,Y)--	[4:0-3-0,0-1-12], [8:0-3-0,0-1-12]								
LOADING (psf)	SPACING	2-0-0	CSI	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	-0.19 12-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.92	Vert(CT)	-0.32 12-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.87	Horz(CT)	0.04 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 289 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-3-7 max.): 1-3, 4-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-17, 3-15, 5-15, 5-12, 7-11, 8-11, 9-10

REACTIONS.

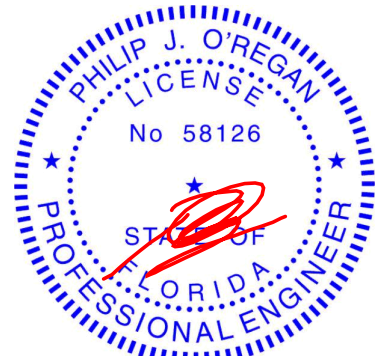
(size) 17=0-3-8, 1=Mechanical, 10=Mechanical
Max Horz 17=308(LC 11)
Max Uplift 17=-180(LC 12), 1=-42(LC 12), 10=-124(LC 12)
Max Grav 17=1651(LC 18), 1=87(LC 21), 10=1491(LC 17)

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
WEBS 2-16=-223/1591, 3-16=-894/247, 4-15=-1/436, 7-12=-23/602, 7-11=-957/187,
9-11=-185/1176

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 17=180, 10=124.
- 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.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 8, 2021

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

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
2935497	A23	Piggyback Base	1	1	T25901739
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:29 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0nI8PPBiPzXNOzkSL8R2NE?ckGZc?hMJooJZDyMEy0

6-0-12	12-1-7	17-7-8	23-3-8	28-11-7	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

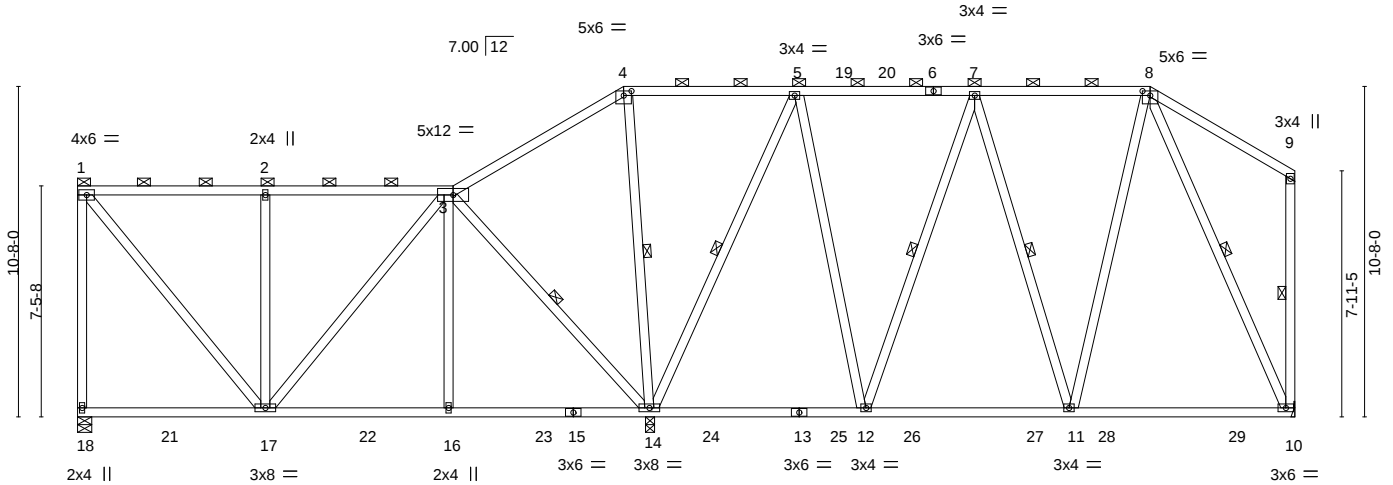


Plate Offsets (X,Y)--	[4:0-3-0,0-1-12], [8:0-3-0,0-1-12]
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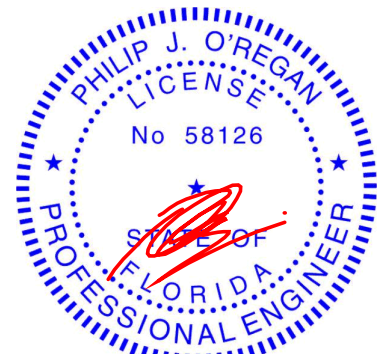
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.12 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.18 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.61	Horz(CT)	0.01 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 312 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3, 4-8.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-14, 4-14, 5-14, 7-12, 7-11, 9-10, 8-10
REACTIONS.	
(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
WEBS	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-

- 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.
- 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) 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
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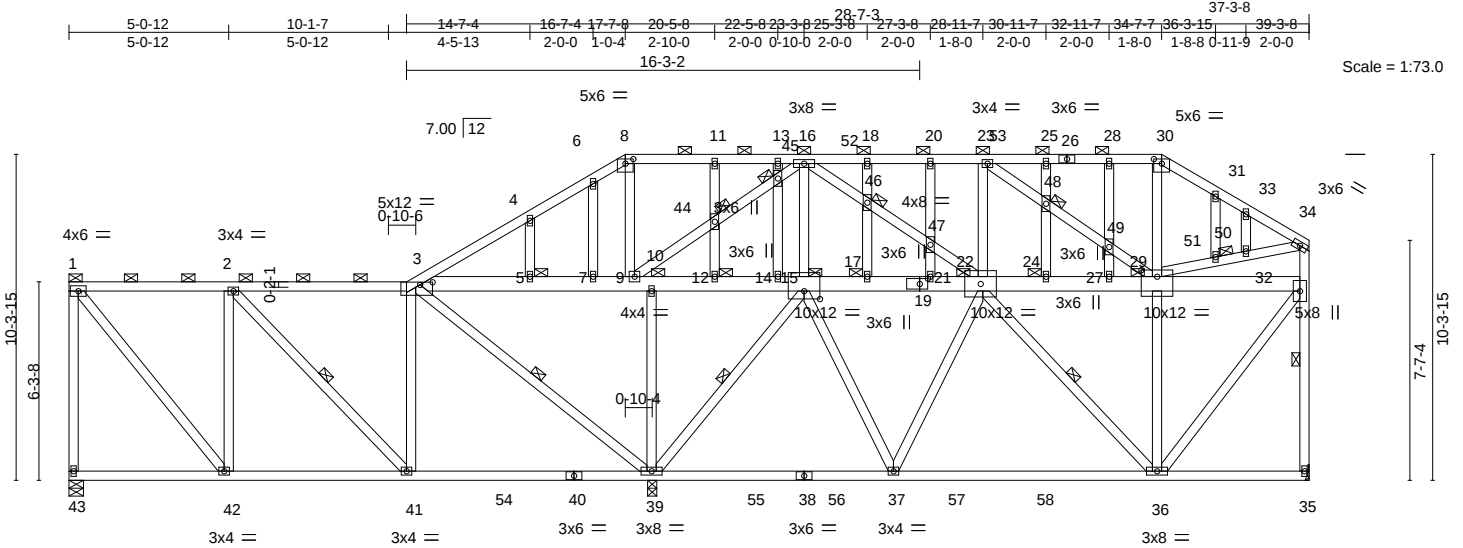
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901740
2935497	A24	Piggyback Base	1	1	

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 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vYXfFnEDTC1ota2Da_W_X49l1ttExVsvCQmWh_yMExy



	5-0-12	10-1-7	17-7-8	18-4-0	26-1-8	34-7-7	39-3-8
	5-0-12	5-0-12	7-6-1	0-8-8	7-9-8	8-6-0	4-8-1
Plate Offsets (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]						
LOADING (psf)	SPACING- 2-0-0		CSI.	DEFL. in (loc) l/defl L/d			PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.56	Vert(LL) -0.14 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/TPI2014		Matrix-AS				Weight: 426 lb FT = 20%

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

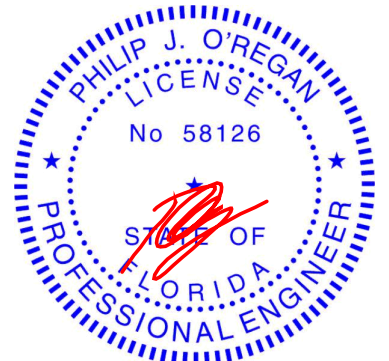
NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- WARNING: Required bearing size at joint(s) 39 greater than input bearing size.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 43.
- 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.

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 1-3, 8-30, 3-32.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-39, 15-39, 22-36, 34-35, 2-41
JOINTS 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 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.



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

November 8, 2021

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	A24	Piggyback Base	1	1	T25901740
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

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901740
2935497	A24	Piggyback Base	1	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 12:44:33 2021 Page 3
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LOAD CASE(S) Standard

- 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)
- 14) 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)
- 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

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

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

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901740
2935497	A24	Piggyback Base	1	1	Job Reference (optional)

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
- 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

Continued on page 5

Job	Truss	Truss Type	Qty	Ply	T25901740
2935497	A24	Piggyback Base	1	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 12:44:33 2021 Page 5
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vYXfFnEDTC1ota2Da_W_X49l1ttExVsvCQmWh_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)

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

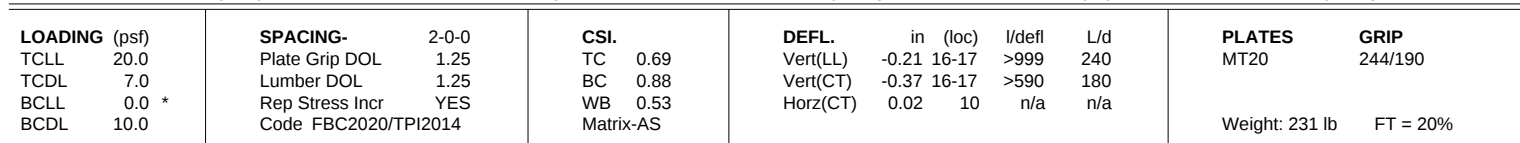
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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



6904 Parke East Blvd.
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Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:34 2021 Page 1
 ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Nk51S7FrEV9fVkdQ8h1D4liRHcwgzp2R4W4ERyMExx
 6-4-4 12-5-0 18-5-12 25-5-9 32-3-11 39-3-8
 6-4-4 6-0-12 6-0-12 6-11-13 6-10-1 6-11-13
 Scale: 3/16"=1'



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.
- 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) 17, 10 except (jt=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.



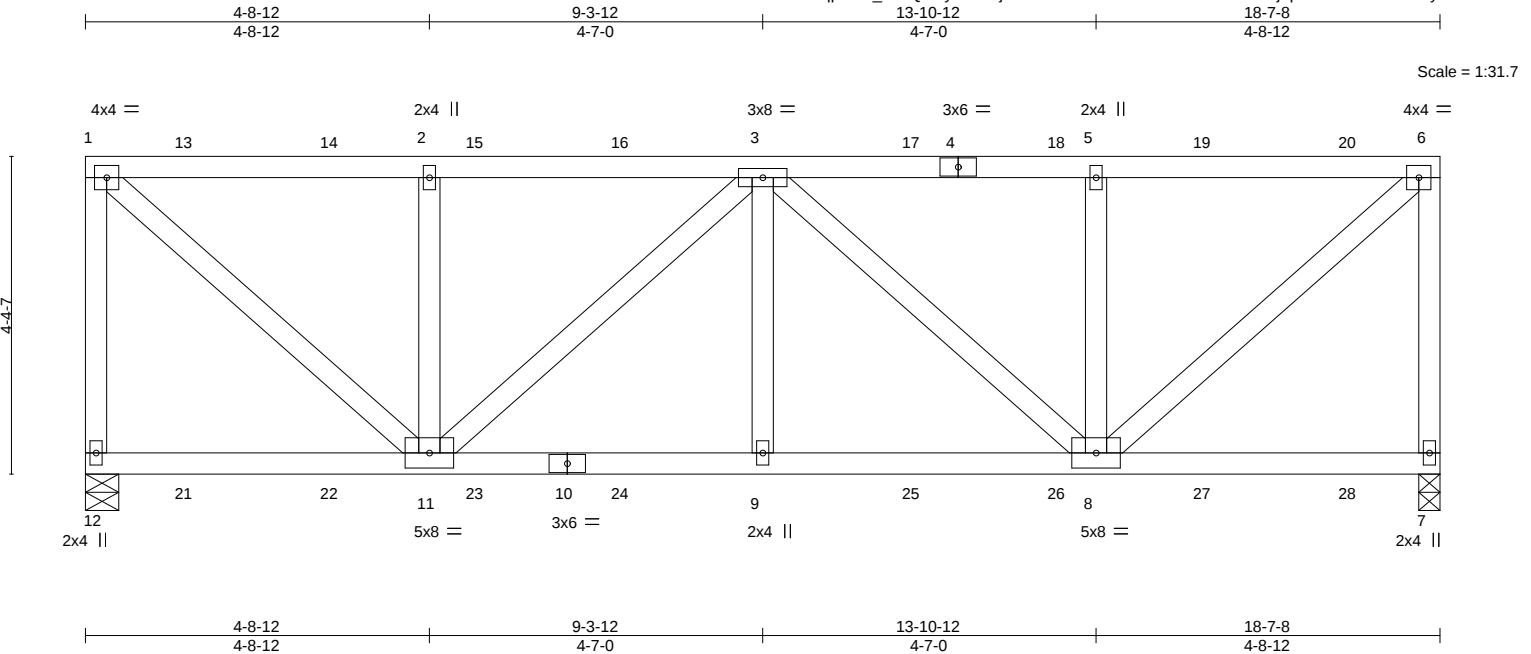
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 8, 2021

Job	Truss	Truss Type	Qty	Ply	
2935497	A26	Flat Girder	1	1	T25901742
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 1

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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.55	Vert(LL)	-0.05	9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.64	Vert(CT)	-0.10	9-11	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.65	Horz(CT)	0.03	7	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MSH						
									Weight: 118 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 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)

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

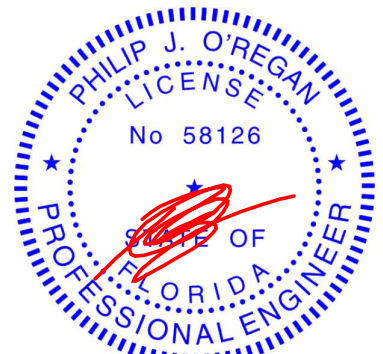
TOP CHORD 1-12=-1330/253, 1-2=-1295/227, 2-3=-1295/227, 3-5=-1293/227, 5-6=-1293/227, 6-7=-1337/258
BOT CHORD 9-11=-299/1684, 8-9=-299/1684
WEBS 1-11=-259/1698, 2-11=-545/239, 3-11=-521/97, 3-9=0/348, 3-8=-524/96, 5-8=-542/238, 6-8=-259/1695

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.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

November 8, 2021

Continued on page 2

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

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901742
2935497	A26	Flat Girder	1	1	Job Reference (optional)

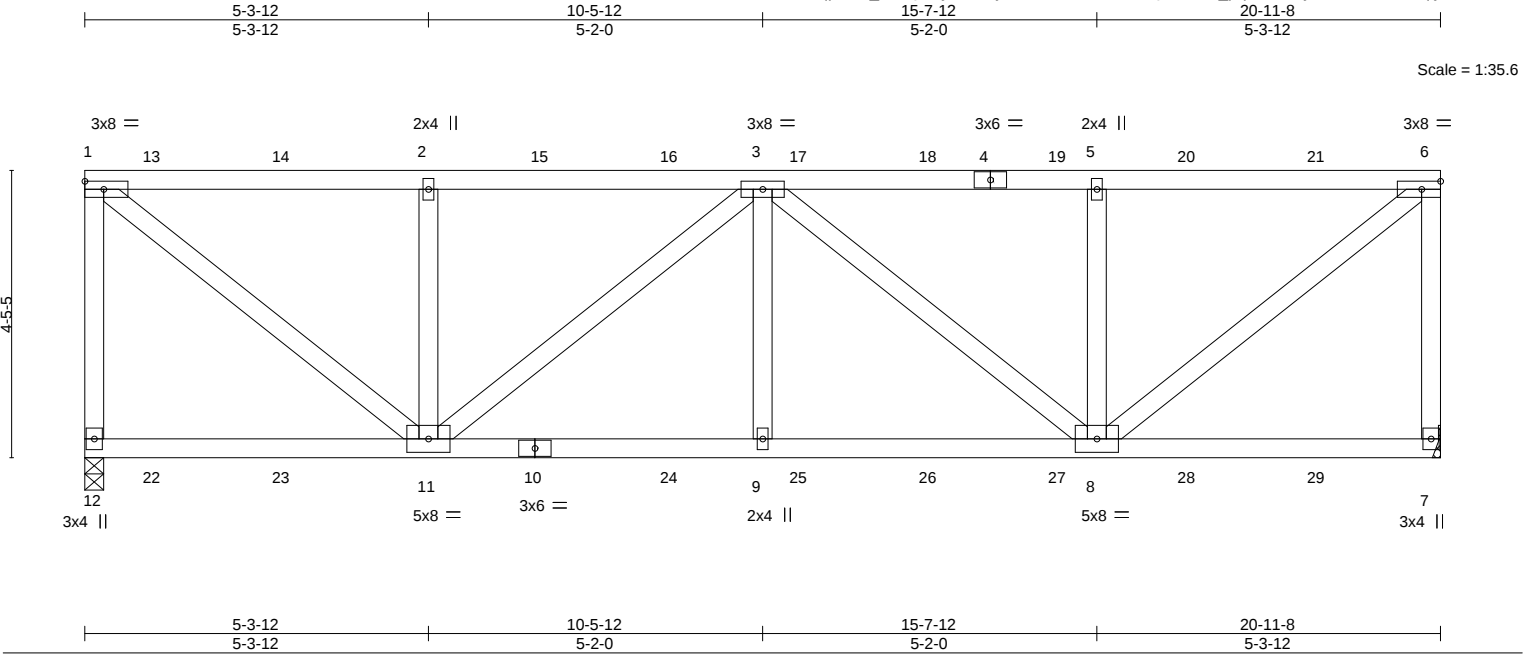
LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 9=-57(F) 3=-110(F) 13=-110(F) 14=-110(F) 15=-110(F) 16=-110(F) 17=-110(F) 18=-110(F) 19=-110(F) 20=-110(F) 21=-57(F) 22=-57(F) 23=-57(F) 24=-57(F)
25=-57(F) 26=-57(F) 27=-57(F) 28=-57(F)

Job	Truss	Truss Type	Qty	Ply	T25901743
2935497	A27	Flat Girder	1	1	

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nJnA58HkXQXEMBL_pqawiwKxyUEntGYU72kkqlyMExu



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 0.76	Vert(LL)	-0.08 9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.81	Vert(CT)	-0.15 9-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.79	Horz(CT)	0.04 7	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MSH					Weight: 128 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-14 oc bracing.

REACTIONS.

(size) 12=0-3-8, 7=Mechanical
Max Horz 12=-135(LC 4)
Max Uplift 12=-246(LC 4), 7=-235(LC 5)
Max Grav 12=1660(LC 1), 7=1591(LC 1)

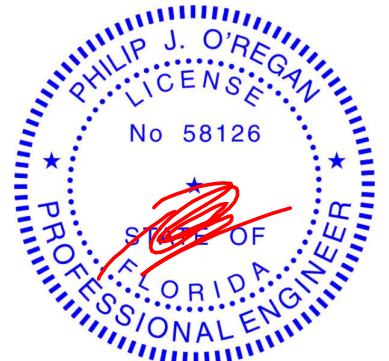
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

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
WEBS 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) 12=246, 7=235.
- 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 5-0-12, 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
Date:

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

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

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	T25901743
2935497	A27	Flat Girder	1	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 12:44:37 2021 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-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) 22=-60(F) 23=-59(F) 24=-59(F) 25=-59(F) 26=-59(F) 27=-59(F) 28=-59(F) 29=-59(F)

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

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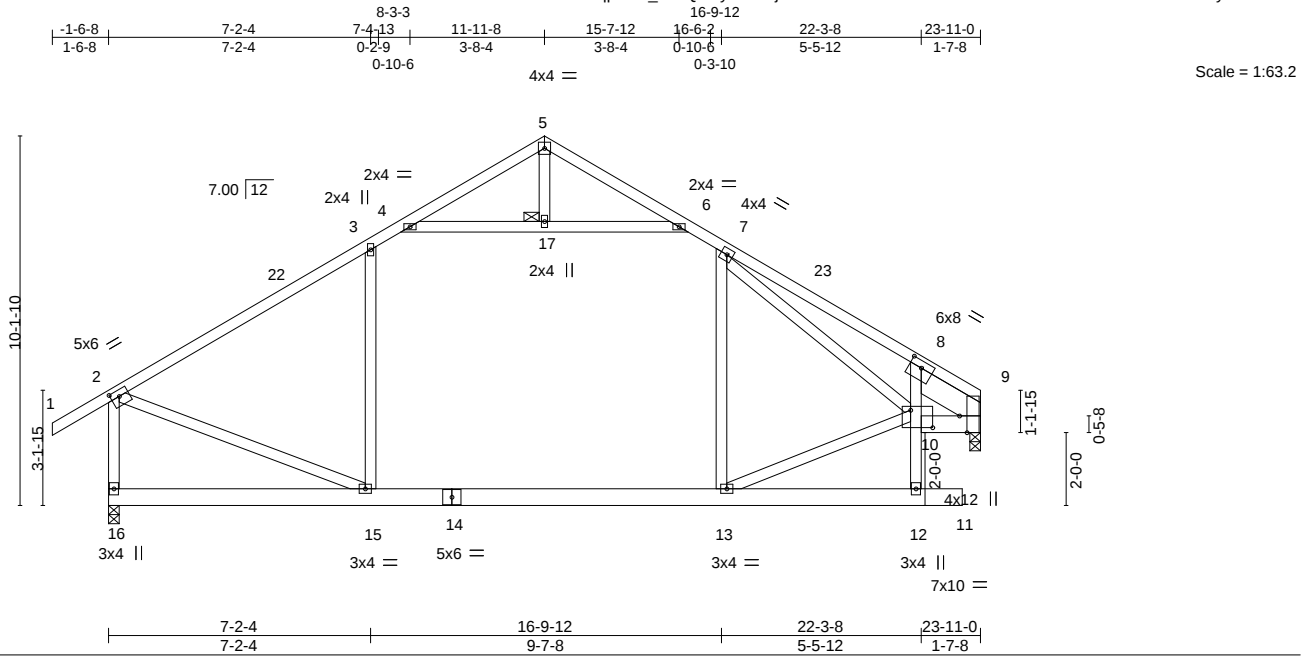
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	B01	Attic	4	1	T25901744

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

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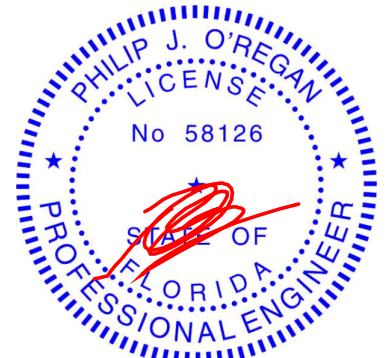
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.25 13-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.98	Vert(CT)	-0.36 13-15	>790	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.46	Horz(CT)	-0.07 9	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS	Attic	-0.20 13-15	581	360	Weight: 181 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
8-12: 2x4 SP No.2, 11-14: 2x6 SP M 26	6-0-0 oc bracing: 10-12
WEBS 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 17
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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-17, 6-17; Wall dead load (5.0psf) on member(s).3-15, 7-13
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-15
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16.
 - 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.
 - 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
Date:

November 8,2021

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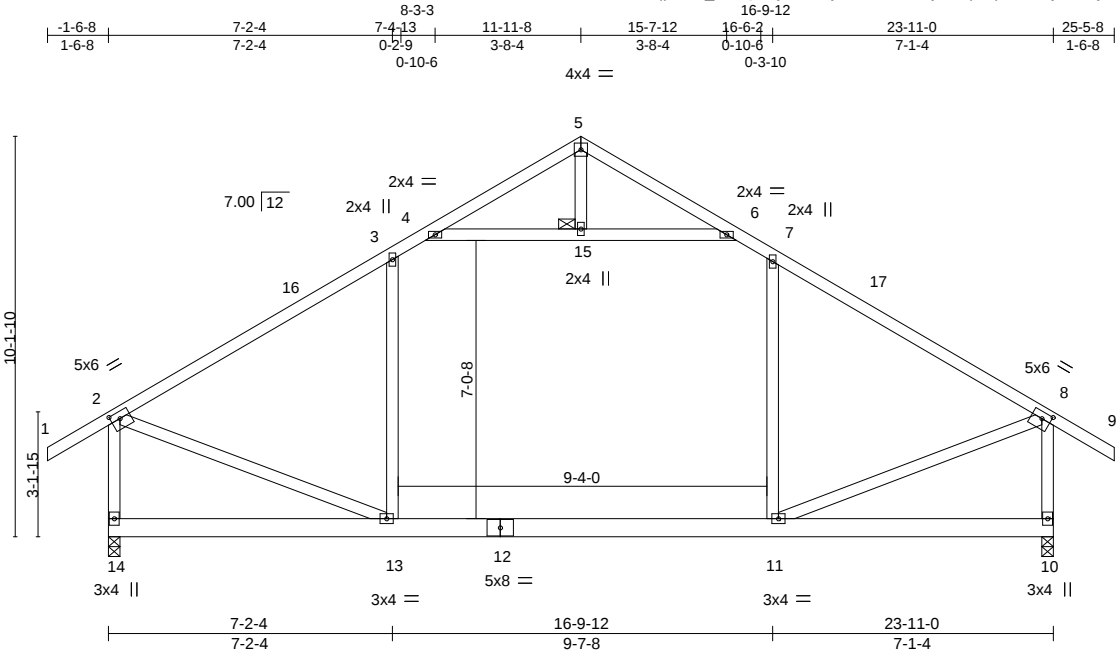


6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	B02	Attic	7	1	T25901745

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:40 2021 Page 1
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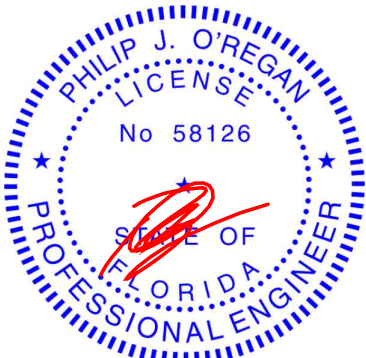
Scale = 1:58.3

Plate Offsets (X,Y)--		[2'-0"-2'-12", 0'-2"-0"]		[8'-0"-2'-12", 0'-2"-0"]	
LOADING (psf)	SPACING-	2'-0"-0"	CSI.	DEFL.	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	in (loc) l/defl L/d	GRIP
TCDL 7.0	Lumber DOL	1.25	BC 0.92	Vert(LL) -0.24 11-13 >999 240	MT20 244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.45	Vert(CT) -0.33 11-13 >847 180	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS	Horz(CT) 0.01 10 n/a n/a	
				Attic -0.19 11-13 595 360	
				Weight: 166 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x6 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied.
10-12: 2x6 SP M 26	JOINTS 1 Brace at Jt(s): 15
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.
TOP CHORD	2-3=-1353/19, 3-4=-1056/100, 6-7=-1067/102, 7-8=-1363/21, 2-14=-1285/104, 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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=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
 - 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.
 - Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-15, 6-15; Wall dead load (5.0psf) on member(s).3-13, 7-11
 - Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-13
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 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.
 - 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
Date:

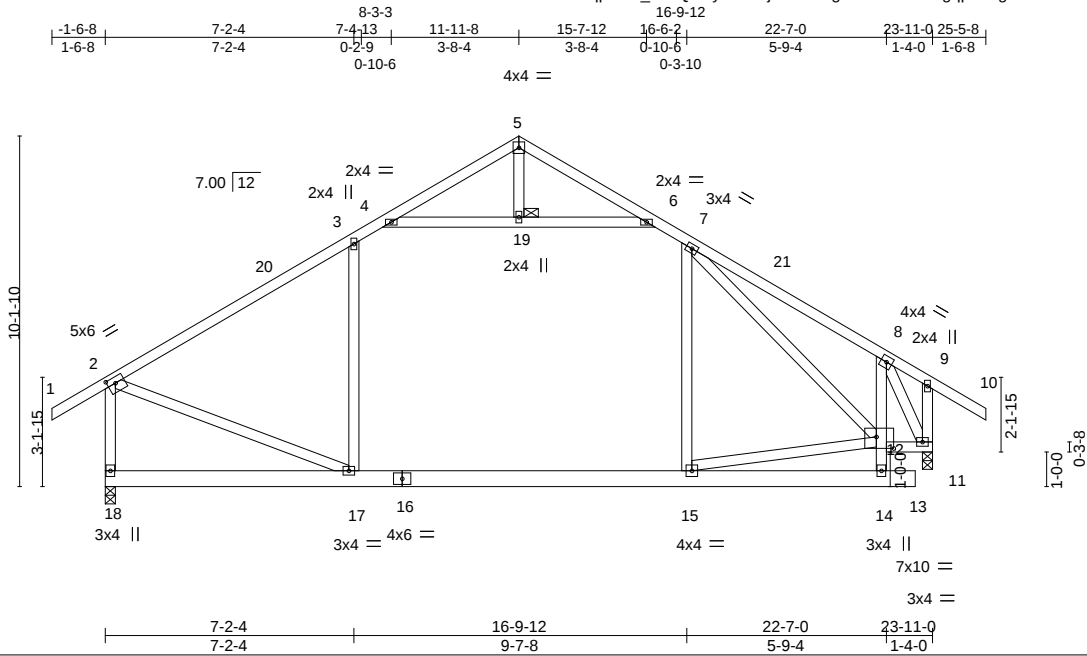
November 8,2021

Job	Truss	Truss Type	Qty	Ply	T25901746
2935497	B02R	Attic	2	1	

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

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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)	l/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%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 16-18: 2x6 SP No.2, 8-14: 2x4 SP No.3, 13-16: 2x6 SP M 26
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
 BOT CHORD Rigid ceiling directly applied. Except:
 6-0-0 oc bracing: 12-14
 JOINTS 1 Brace at Jt(s): 19

REACTIONS.

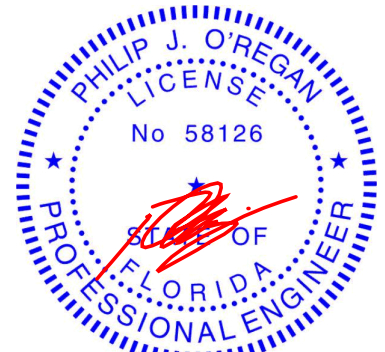
(size) 18=0-3-8, 11=0-3-8
 Max Horz 18=-255(LC 10)
 Max Uplift 18=-16(LC 12), 11=-6(LC 12)
 Max Grav 18=1315(LC 18), 11=1336(LC 19)

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

TOP CHORD 2-3=-1349/16, 3-4=-1056/99, 4-5=-253/72, 6-7=-1064/100, 7-8=-905/132,
 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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- 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.
- Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-19, 6-19; Wall dead load (5.0psf) on member(s).3-17, 7-15
- Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 15-17
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 11.
- 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.
- 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
 Date: November 8,2021

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

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



6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
2935497	B03	Common Girder	1	1	T25901747

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:42 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8Ha38sLzAWSzEycNA5P_1sFV1yYWeDHKSvWzyMExp

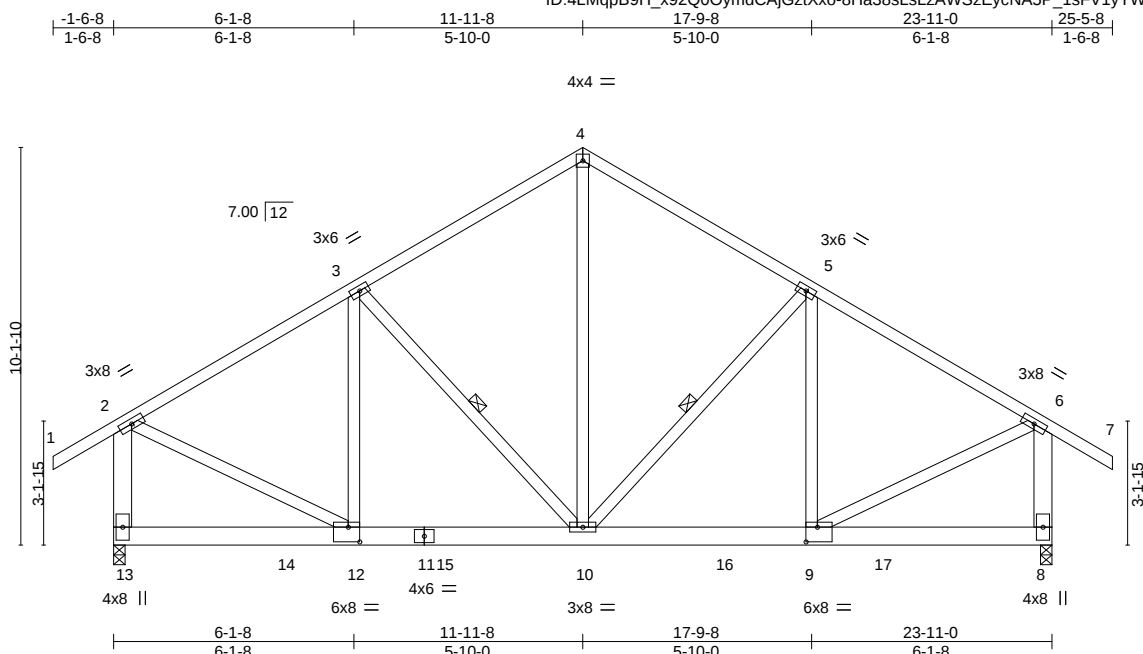


Plate Offsets (X,Y)--		[5:0-0-0,0-0-0], [6:0-0-0,0-0-0], [9:0-3-8,0-4-8], [12:0-3-8,0-4-8]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.40	Vert(LL) 0.09 8-9 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.43	Vert(CT) -0.09 8-9 >999 180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.80	Horz(CT) 0.02 8 n/a n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-MSH		Weight: 189 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-14 oc bracing.
WEBS 1 Row at midpt 3-10, 5-10

REACTIONS.

(size) 13=0-3-8, 8=0-3-8
Max Horz 13=-263(LC 6)
Max Uplift 13=-842(LC 8), 8=-842(LC 8)
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.

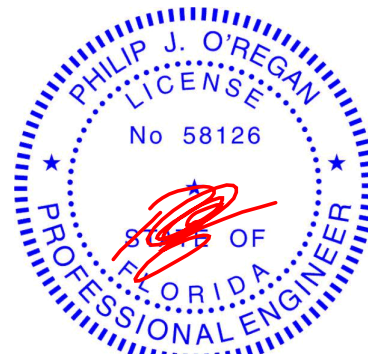
TOP CHORD 2-3=-1925/778, 3-4=-1416/556, 4-5=-1416/556, 5-6=-1926/778, 2-13=-1904/748, 6-8=-1904/748
BOT CHORD 12-13=-279/291, 10-12=-584/1729, 9-10=-513/1624
WEBS 3-12=-422/547, 3-10=-736/426, 4-10=-444/1101, 5-10=-736/426, 5-9=-422/547, 2-12=-554/1711, 6-9=-554/1712

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=842, 8=842.
- 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.
- 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
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Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901747
2935497	B03	Common Girder	1	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 12:44:42 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8Ha38sLsLzAWSzEycNA5P_1sFV1yYWeDHKSzVWzyMExp

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

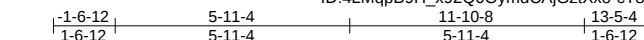
Job	Truss	Truss Type	Qty	Ply	
2935497	B04	Common	2	1	T25901748
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:43 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ct8RLBMU6GIN46p8A4hKxBa0fvOaH8KNW_B22PyMExo



Scale = 1:58.3

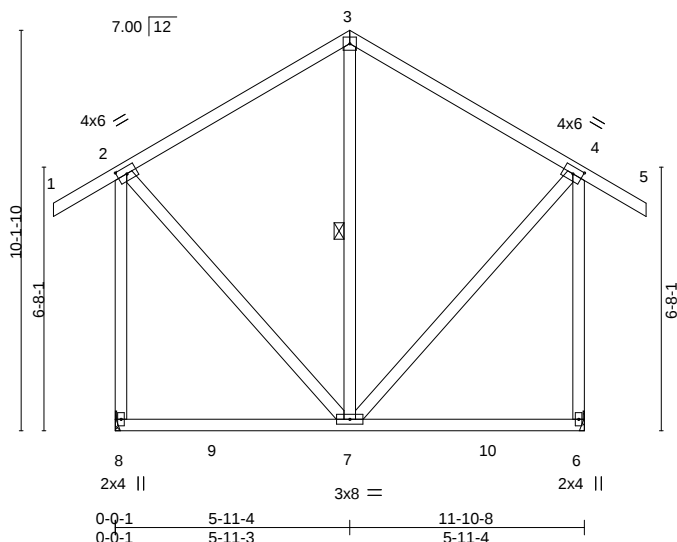


Plate Offsets (X,Y)--	[2:0-2-14,0-2-0], [4:0-2-14,0-2-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.49	Vert(LL)	-0.04 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.34	Vert(CT)	-0.06 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	-0.00 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 101 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-7

REACTIONS.

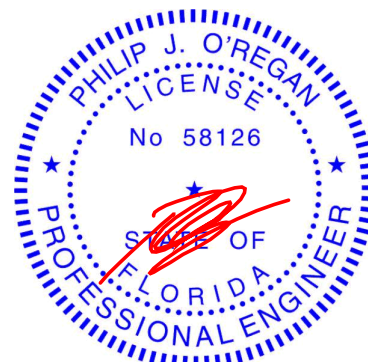
(size) 8=Mechanical, 6=Mechanical
Max Horz 8=-303(LC 10)
Max Uplift 8=-101(LC 12), 6=-101(LC 12)
Max Grav 8=618(LC 18), 6=618(LC 17)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=101, 6=101.
- 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
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November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	B05	GABLE	1	1	T25901749

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YsGBmtNleuY5JQyXHVko0cfNCj3OI1Dgzlg97lyMExm

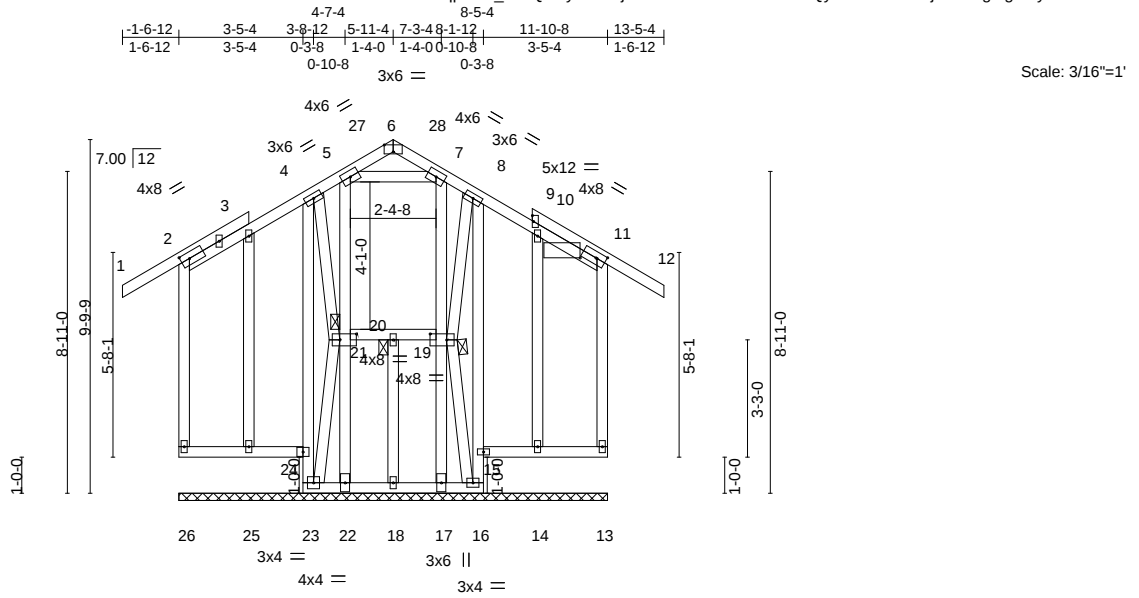


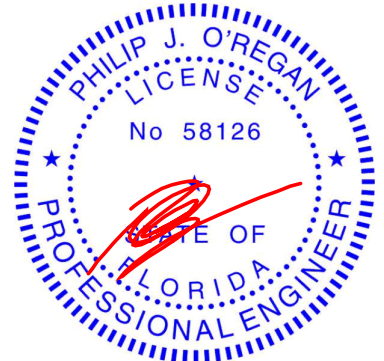
Plate Offsets (X,Y)--	[2:0-2-14,0-2-0], [6:0-3-0,Edge], [11:0-5-4,0-0-0], [11:0-2-14,0-2-0], [19:0-5-8,0-2-0], [21:0-5-8,0-2-0]				
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc) l/defl L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.02 12 n/r 120
TCDL 7.0	Lumber DOL	1.25	BC 0.44	Vert(CT)	-0.02 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		
				PLATES	GRIP
				MT20	244/190
				Weight: 169 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 4-23,8-16: 2x4 SP No.3	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 20, 21, 19
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 11-10-8.
 (lb) - Max Horz 26=-263(LC 10)
 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
 WEBS 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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Bearing at joint(s) 24, 15 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 25 except (jt=lb) 26=-154, 13=-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
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 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901749
2935497	B05	GABLE	1	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 12:44:45 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-YsGBmtNleuY5JQyXHVko0cfNCj3OI1Dgzlg97lyMExm

NOTES-

- 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.

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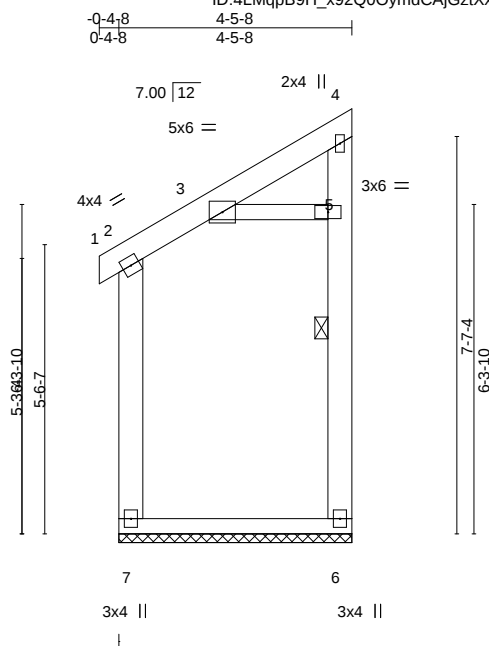
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901750
2935497	B06	Jack-Closed Girder	1	1	

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-02qazDONPBgyxaXjrDF1ZqCYP6QWUW3pCyQifkyMExl



Scale = 1:44.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	0.00	2	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.32	Vert(CT)	0.00	2	n/r		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.00	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-R						
								Weight: 52 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS.

(size) 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.
- 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) 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
Date:

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.

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

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



6904 Parke East Blvd.
Tampa, FL 36610

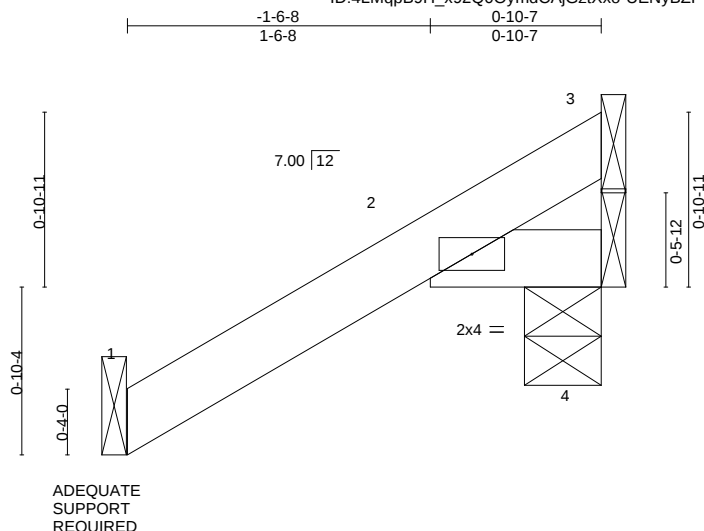
Job	Truss	Truss Type	Qty	Ply	
2935497	C1A	Jack-Open	2	1	T25901751
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:47 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-UENyBZP?AVopYk6vPwmG61koXWr1DzJyRc9GBAyMEkx



Scale = 1:11.7

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	Vert(LL)	-0.00 5	>999	240	MT20	244/190
BCDL 7.0	Lumber DOL	1.25	BC 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/TPI2014		Matrix-MP					Weight: 6 lb	FT = 20%

LUMBER-

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

BRACING-

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

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

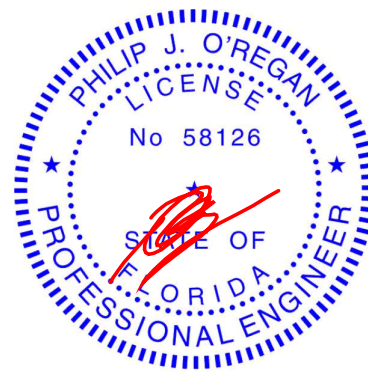
Max Uplift All uplift 100 lb or less at joint(s) 1, 3, 4

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

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; TCCL=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.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.



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



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Tampa, FL 36610

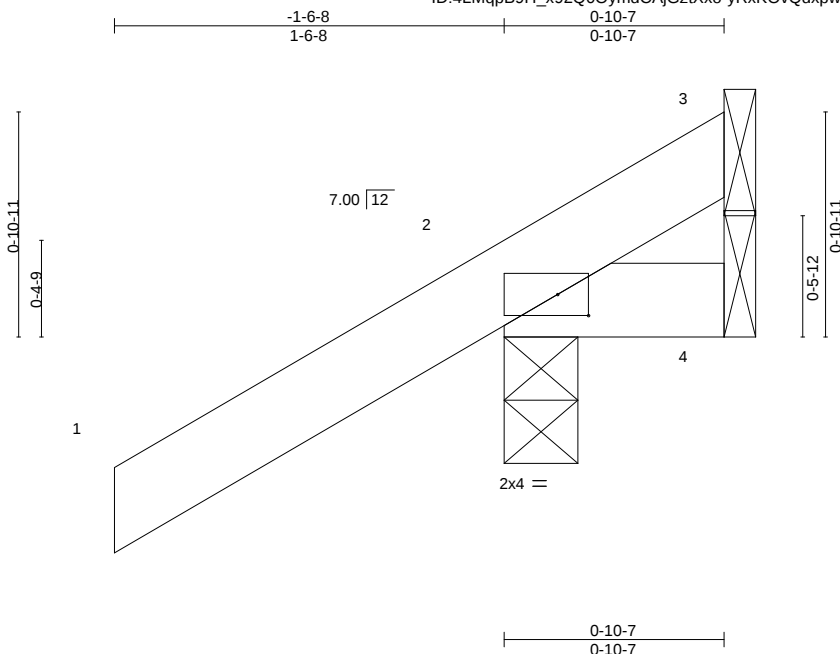
Job	Truss	Truss Type	Qty	Ply	
2935497	C1B	Jack-Open	2	1	T25901752
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:48 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-yRxKOVQdxpwgAuh6zeHVeFHyCwALyQY6fGvpjdyMEj



Scale = 1:9.1

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%

LUMBER-

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

BRACING-

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

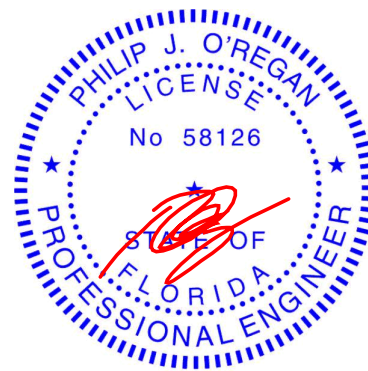
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=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.
- 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=115.



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



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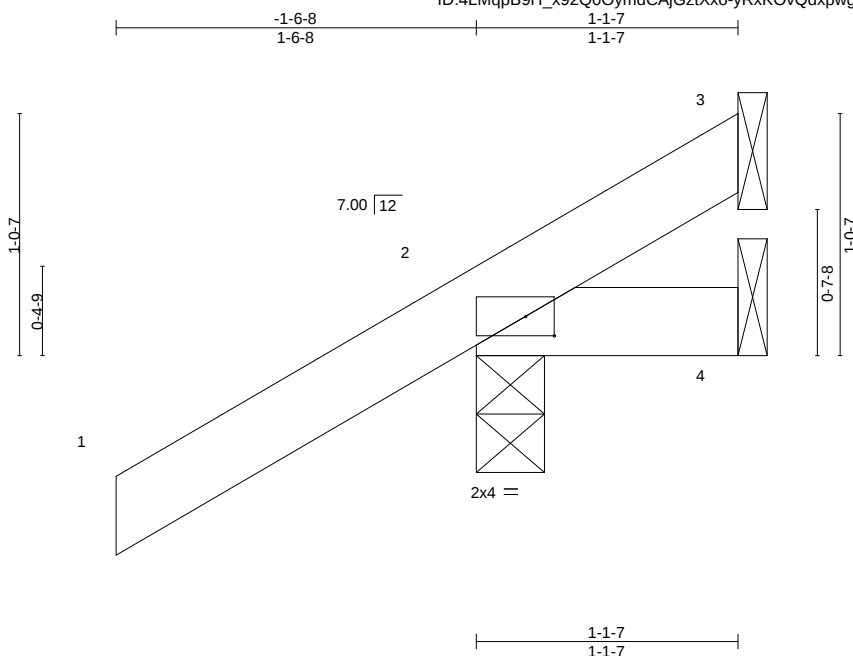
Job	Truss	Truss Type	Qty	Ply	
2935497	C1C	Jack-Open	2	1	T25901753
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:48 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-yRxKOvQdpxwgAuh6zeHVfHyEwAHyQY6fGvpjdyMEj



Scale = 1:9.9

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	0.05	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/TPI2014		Matrix-MP					Weight: 6 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

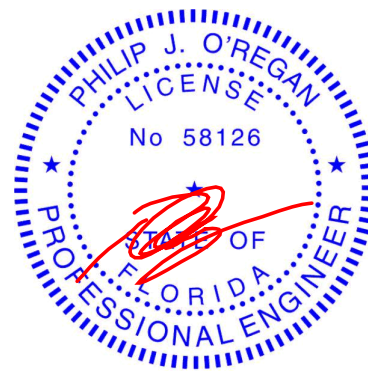
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=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.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 4.



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



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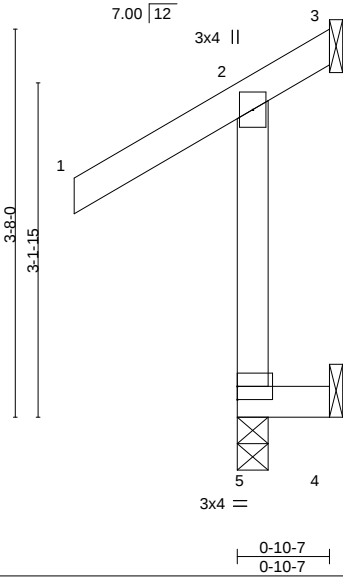
Job	Truss	Truss Type	Qty	Ply	T25901754
2935497	C1G	Jack-Open	4	1	

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

Scale = 1:21.8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.60	Vert(LL)	-0.00 5	>999	240	MT20	244/190
BCDL 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-

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

BRACING-

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

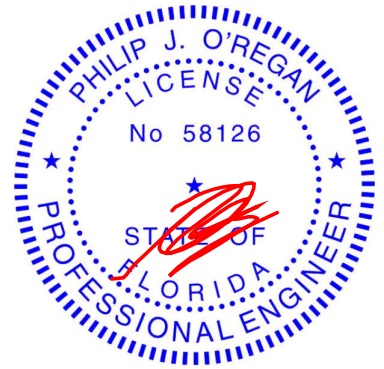
REACTIONS.

(size) 5=0-3-8, 3=Mechanical, 4=Mechanical
Max Horz 5=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.
- 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 except (jt=lb) 5=104, 4=188.



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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	C1P	Jack-Open	4	1	T25901755

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:50 2021 Page 1

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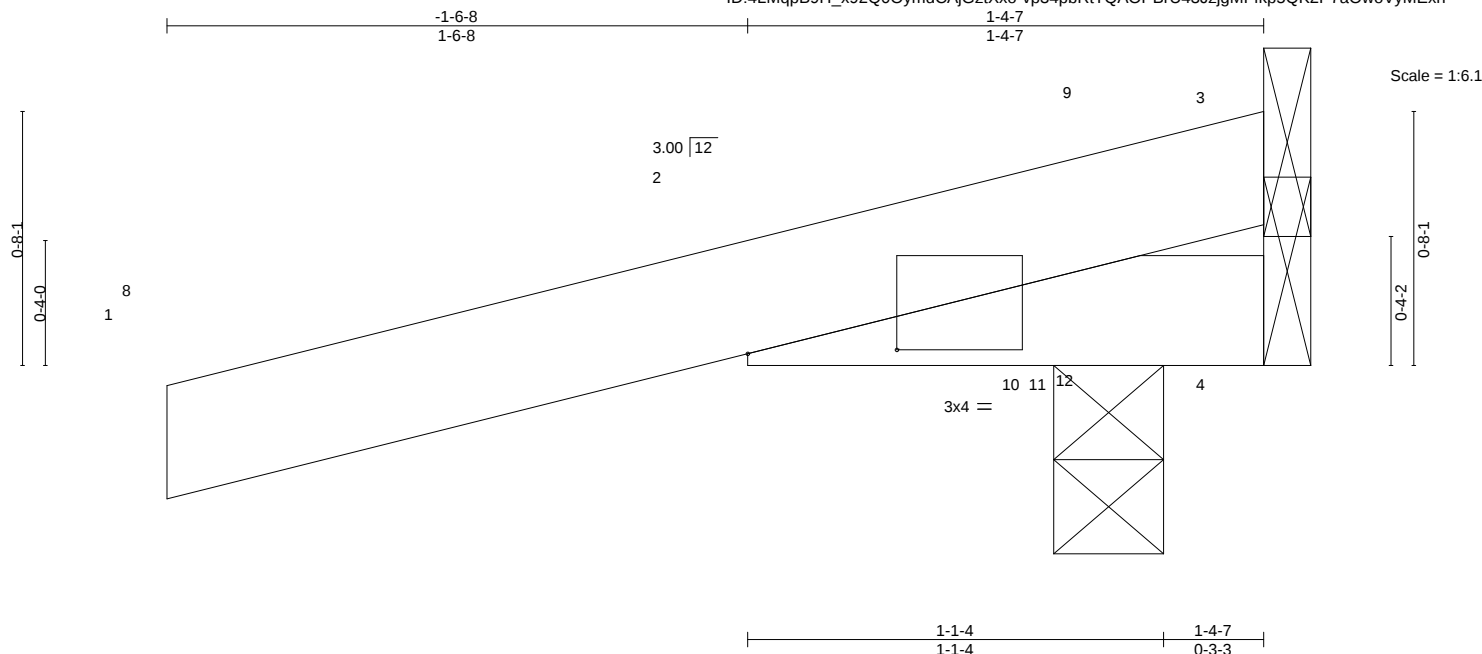


Plate Offsets (X,Y)--		[2:0-4-12,0-0-2]							
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d
TCLL 20.0		Plate Grip DOL	1.25	TC 0.37		Vert(LL)	-0.00 2	>999	240
TCDL 7.0		Lumber DOL	1.25	BC 0.22		Vert(CT)	-0.00 2	>999	180
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00 3	n/a	n/a
BCDL 10.0		Code FBC2020/TPI2014		Matrix-MP					
						PLATES	GRIP		
						MT20	244/190		
						Weight: 7 lb		FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

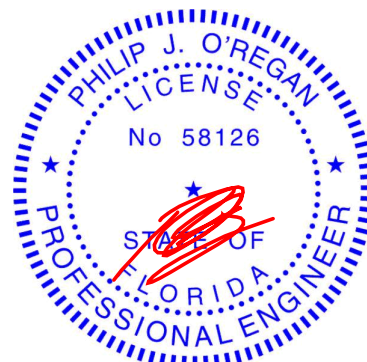
REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8
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 DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=308, 2=177.



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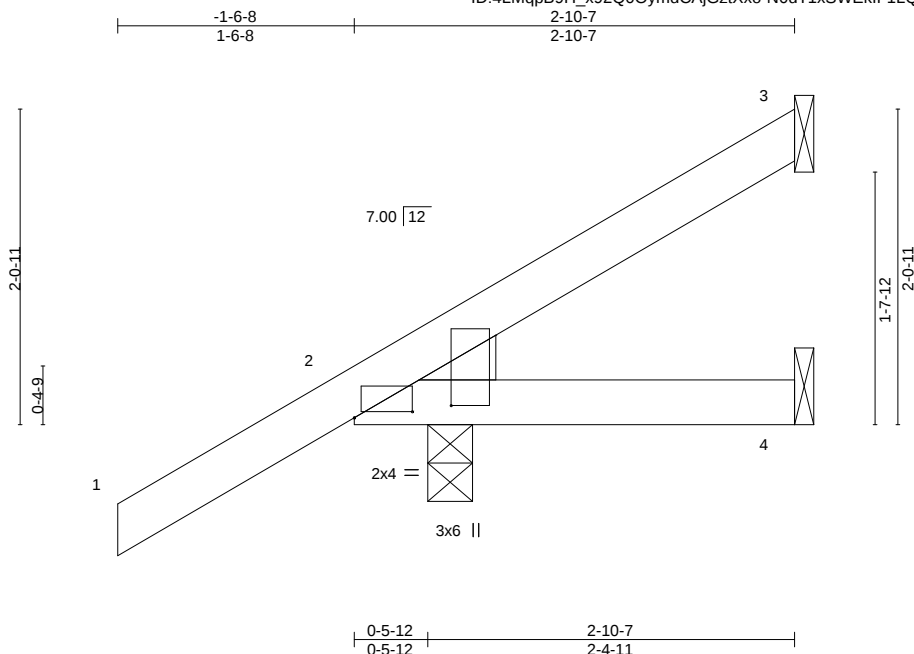
Job	Truss	Truss Type	Qty	Ply	
2935497	C3A	Jack-Open	2	1	T25901756

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:51 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-N0d1xSWEklF1LQhemqCGtvTl7Bo9nlYLE7TKyyMExg



Scale = 1:15.0

Plate Offsets (X,Y)--		[2:0-4-9,0-0-8], [2:0-0-15,0-7-9]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16
TCDL 7.0	Lumber DOL	1.25	BC 0.12
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MP
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.00 5 >999 240
			Vert(CT) -0.00 5 >999 180
			Horz(CT) 0.00 3 n/a n/a
			PLATES
			MT20
			GRIP
			244/190
			Weight: 13 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 2-10-7 oc purlins.

BOT CHORD

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

REACTIONS.

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

Max Horz 2=84(LC 12)

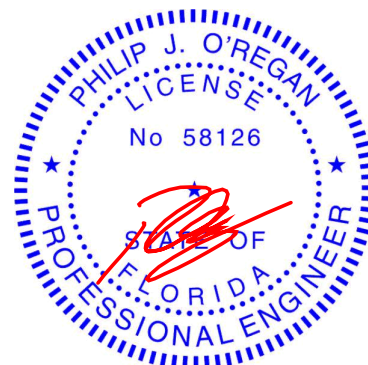
Max Uplift 3=-17(LC 9), 4=-10(LC 9), 2=-116(LC 12)

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.

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 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=116.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

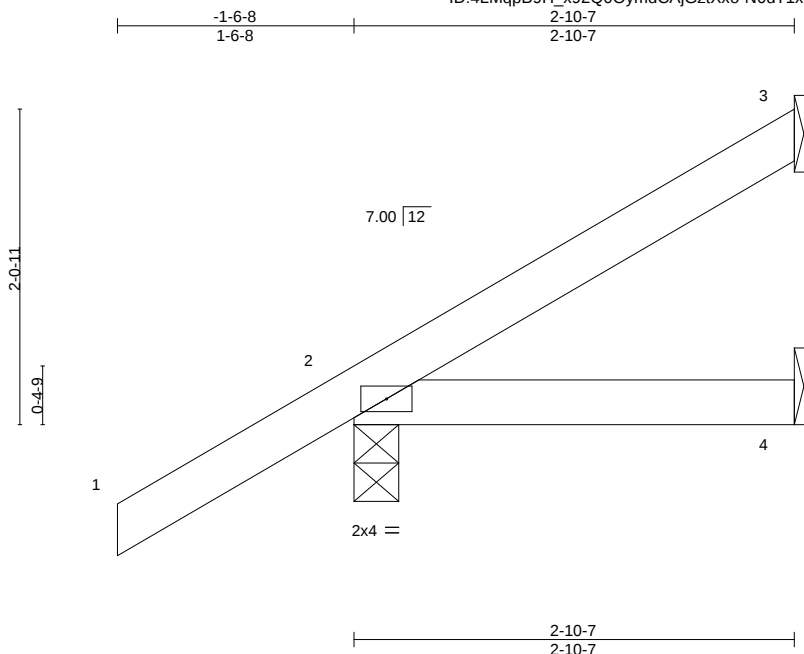
Job	Truss	Truss Type	Qty	Ply	
2935497	C3B	Jack-Open	2	1	T25901757
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:51 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-N0dT1xSWEkIF1LQhemqCGtvTl7Bc9nIYLE7TKyyMExg



Scale = 1:15.0

LOADING (psf)	SPACING-		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	4-7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.07		Vert(CT)	-0.01	4-7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP							
										Weight: 12 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

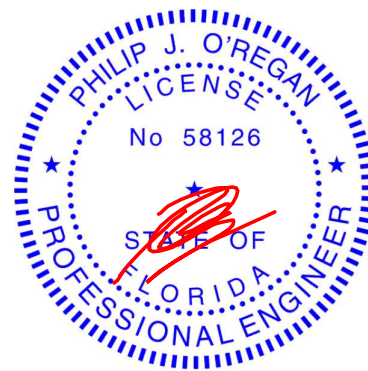
REACTIONS.

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



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

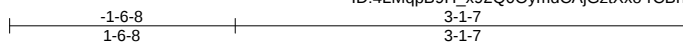
Job	Truss	Truss Type	Qty	Ply	
2935497	C3C	Jack-Open	2	1	T25901758

Builders FirstSource (Lady Lake, FL),

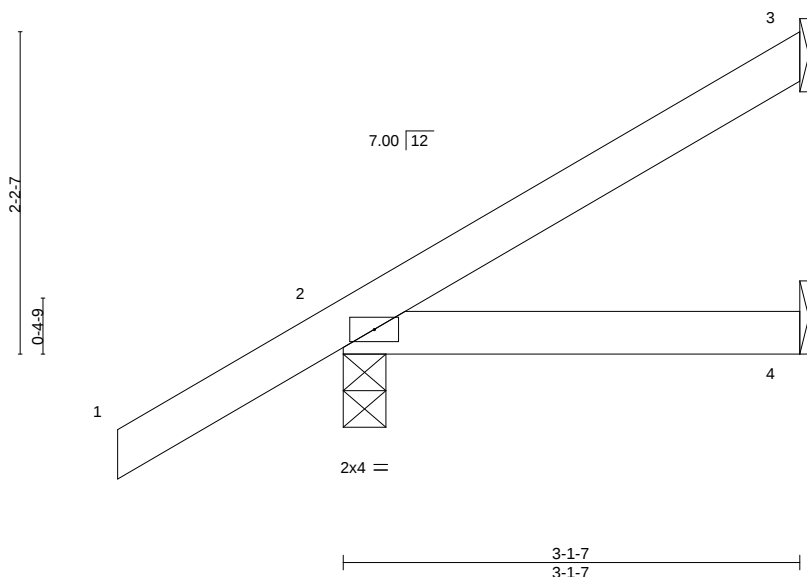
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:52 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rCBreGT8?1Q6fV?CTMRp5SeWXXguEYiatt1sOyMExf



Scale = 1:15.7



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	-0.00	4-7	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.01	4-7	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
								Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

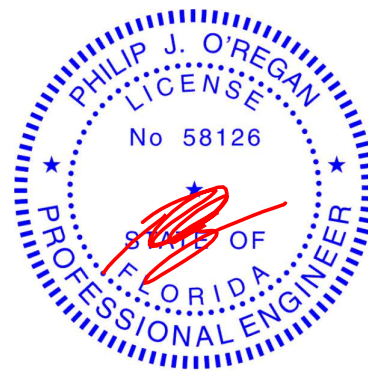
REACTIONS.

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

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.



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

November 8, 2021

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



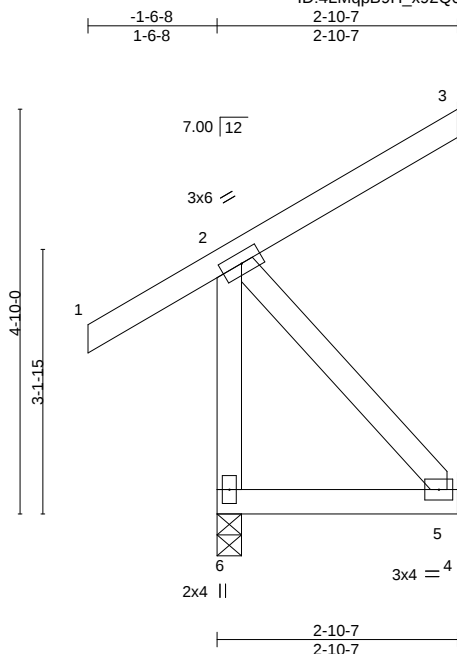
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901759
2935497	C3G	Jack-Open	4	1	

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



Scale = 1:27.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.19	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/TPI2014		Matrix-MP						
								Weight: 22 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

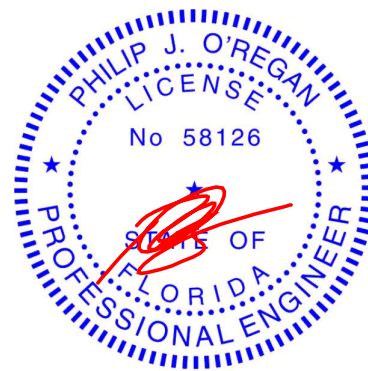
(size) 6=0-3-8, 3=Mechanical, 5=Mechanical
Max Horz 6=151(LC 12)
Max Uplift 6=-2(LC 8), 3=-19(LC 9), 5=-116(LC 12)
Max Grav 6=218(LC 1), 3=47(LC 17), 5=98(LC 10)

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
Date:

November 8, 2021

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



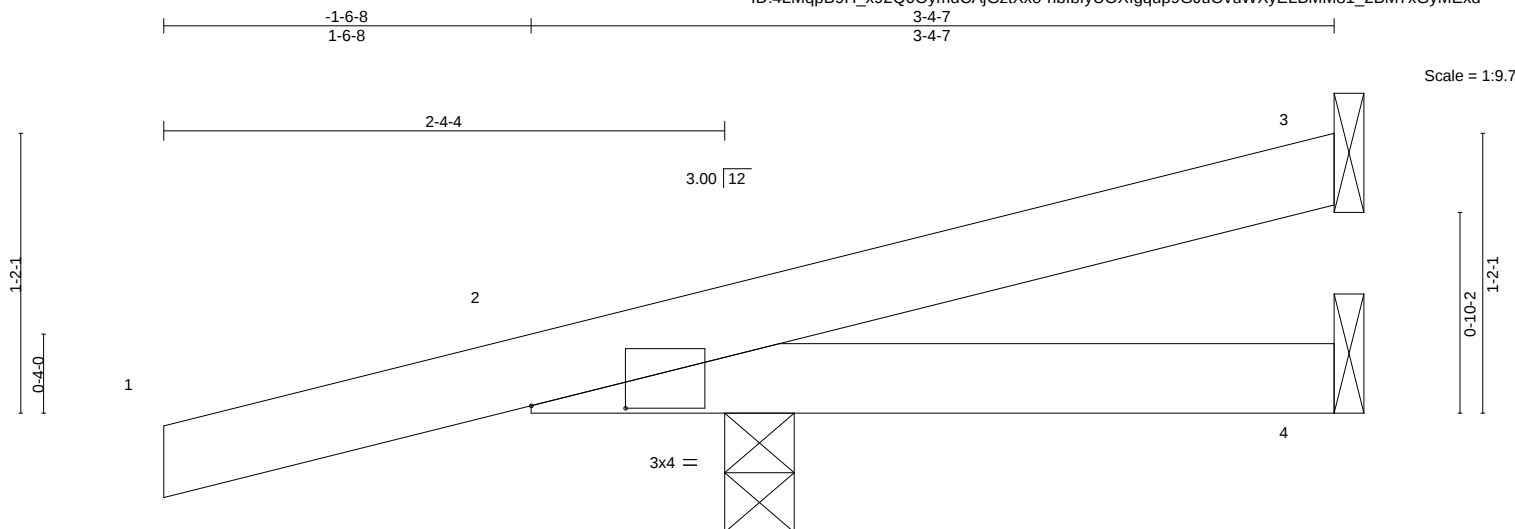
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901760
2935497	C3P	Jack-Open	4	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:54 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nblbfyUOXfgq9GJuOvuWXyELBMM81_2BM7xGyMExd



			0-9-12		3-4-7							
			0-9-12		2-6-11							
Plate Offsets (X,Y)-- [2:0-4-12,0-0-2]												
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	0.21	Vert(LL)	-0.01	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.02	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/TPI2014		Matrix-MP						Weight: 13 lb		FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-4-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

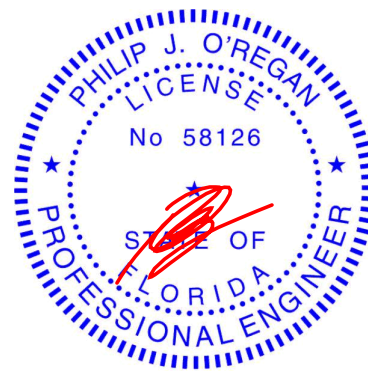
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=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 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=151.



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

November 8, 2021

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



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Tampa, FL 36610

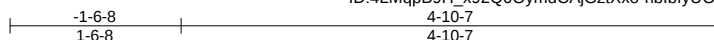
Job	Truss	Truss Type	Qty	Ply	
2935497	C5A	Jack-Open	2	1	T25901761
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:54 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-nblbfyUOXfgqup9GJuOvuWXzULB8M81_2BM7xGyMExd



Scale = 1:20.8

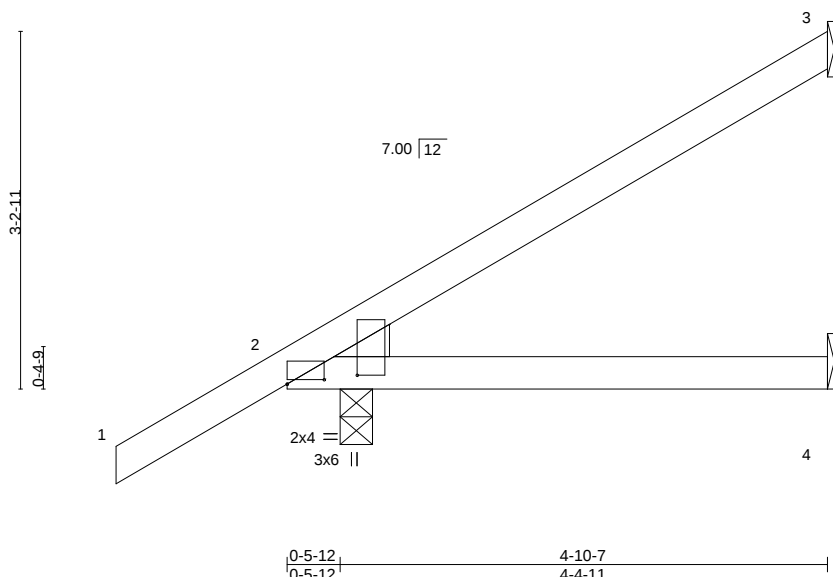


Plate Offsets (X,Y)--		[2:0-4-0,0-0-8], [2:0-0-15,0-7-9]		0-5-12, 0-5-12		4-10-7, 4-4-11	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.19	Vert(LL)	0.04 4-9	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.21	Vert(CT)	-0.03 4-9	>999	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01 3	n/a	n/a
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS				
				PLATES		GRIP	
				MT20		244/190	
				Weight: 19 lb		FT = 20%	

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEDGE

Left: 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied.

BOT CHORD Rigid ceiling directly applied.

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

Max Horz 2=116(LC 12)

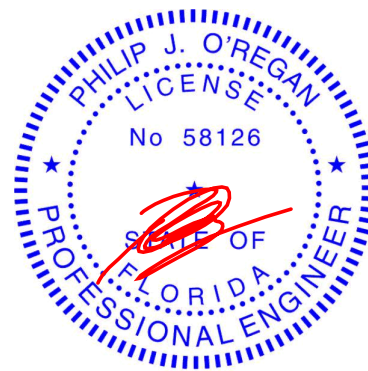
Max Uplift 3=-49(LC 12), 4=-21(LC 9), 2=-117(LC 12)

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.

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 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=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.



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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901762
2935497	C5G	Jack-Open	2	1	

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

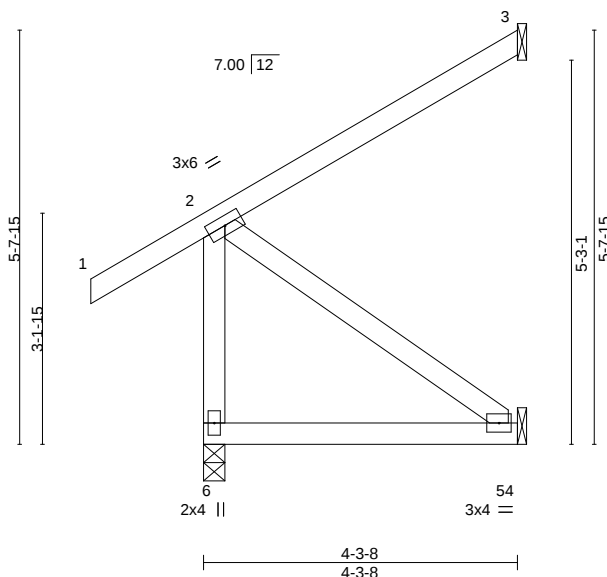
8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:55 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-FnszslV0HypgWvjStcv8Qj48KIWd5a38Gr5hTjyMExc

-1-6-8
1-6-8

4-3-8
4-3-8

Scale = 1:31.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	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/TPI2014		Matrix-AS					Weight: 28 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

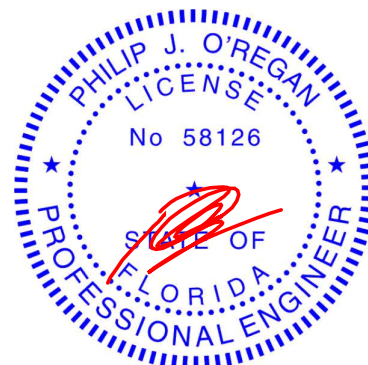
(size) 6=0-3-8, 3=Mechanical, 5=Mechanical
Max Horz 6=174(LC 12)
Max Uplift 3=-42(LC 12), 5=-77(LC 12)
Max Grav 6=260(LC 1), 3=96(LC 17), 5=95(LC 10)

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

WEBS 2-5=-161/254

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.



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

November 8, 2021

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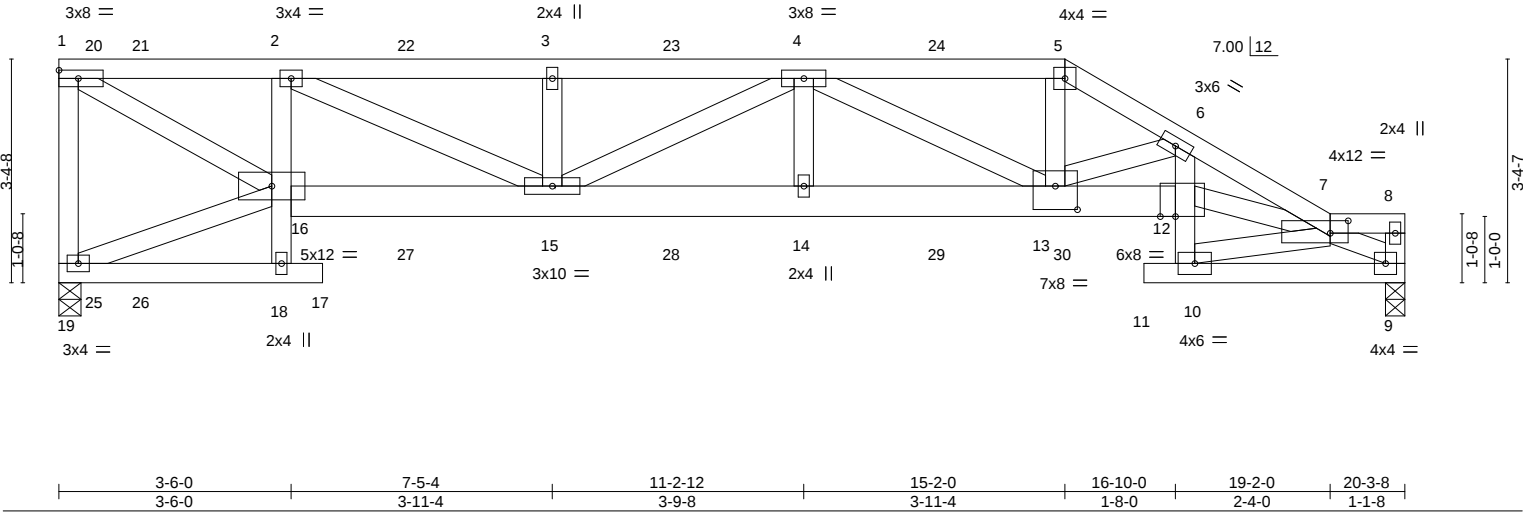
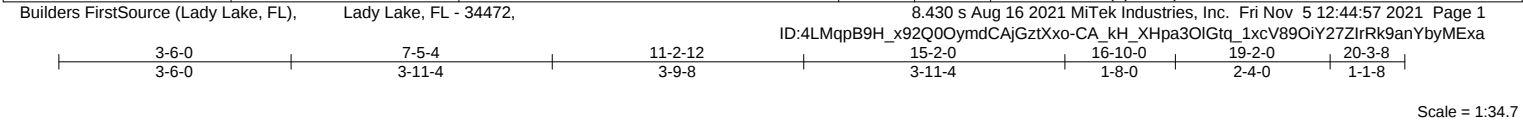
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	D01	Roof Special Girder	1	1	T25901763
Job Reference (optional)					



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.16 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/TPI2014		Matrix-MSH					Weight: 130 lb	FT = 20%

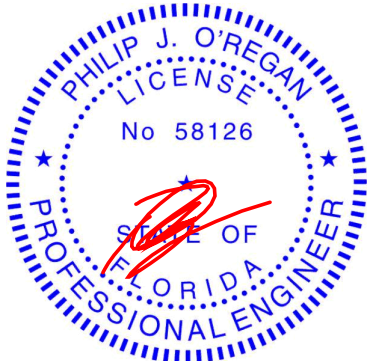
LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-7-9 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
	2-18: 2x4 SP No.3, 12-16: 2x6 SP No.2, 6-10: 2x4 SP No.1		10-0-0 oc bracing: 16-18, 10-12
WEBS	2x4 SP No.3 *Except*		
	7-12: 2x4 SP No.2		

REACTIONS.	(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
WEBS	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-**
- 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=158, 9=126.
 - 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.
 - 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	



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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Job	Truss	Truss Type	Qty	Ply	T25901763
2935497	D01	Roof Special Girder	1	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 12:44:57 2021 Page 2
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CA_kH_XHpa3OIgtq_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)

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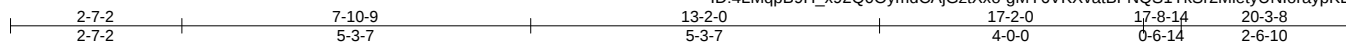
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	D02	Roof Special	1	1	T25901764
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:44:58 2021 Page 1

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Scale = 1:34.9

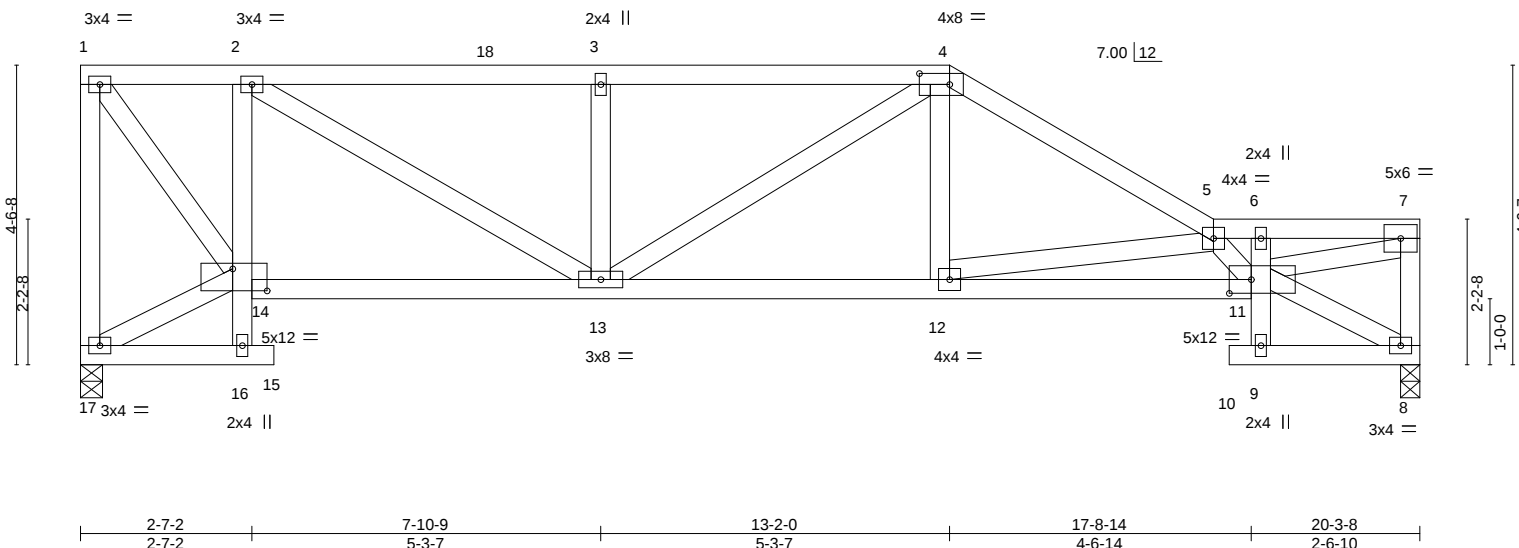


Plate Offsets (X,Y)--		[4:0-5-8,0-2-0], [11:0-4-0,0-2-8], [14:0-6-4,0-4-0]			
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	PLATES GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.23	in (loc) l/defl L/d	MT20 244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.51	Vert(LL) -0.07 11-12 >999 240	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.59	Vert(CT) -0.14 11-12 >999 180	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS	Horz(CT) 0.09 8 n/a n/a	
				Weight: 127 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
10-0-0 oc bracing: 14-16, 9-11

REACTIONS.

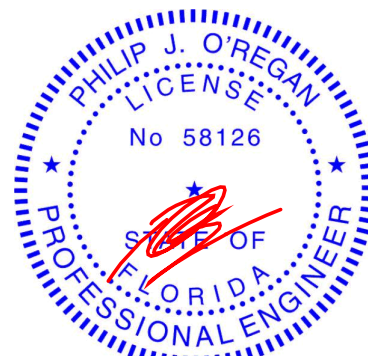
(size) 17=0-4-0, 8=0-3-8
Max Horz 17=-144(LC 10)
Max Uplift 17=-76(LC 8), 8=-66(LC 12)
Max Grav 17=750(LC 1), 8=750(LC 1)

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

TOP CHORD 1-17=-721/129, 1-2=-523/144, 2-3=-1140/240, 3-4=-1140/240, 4-5=-1272/215,
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

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 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
Date:

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901765
2935497	D03	Half Hip Girder	1	1	

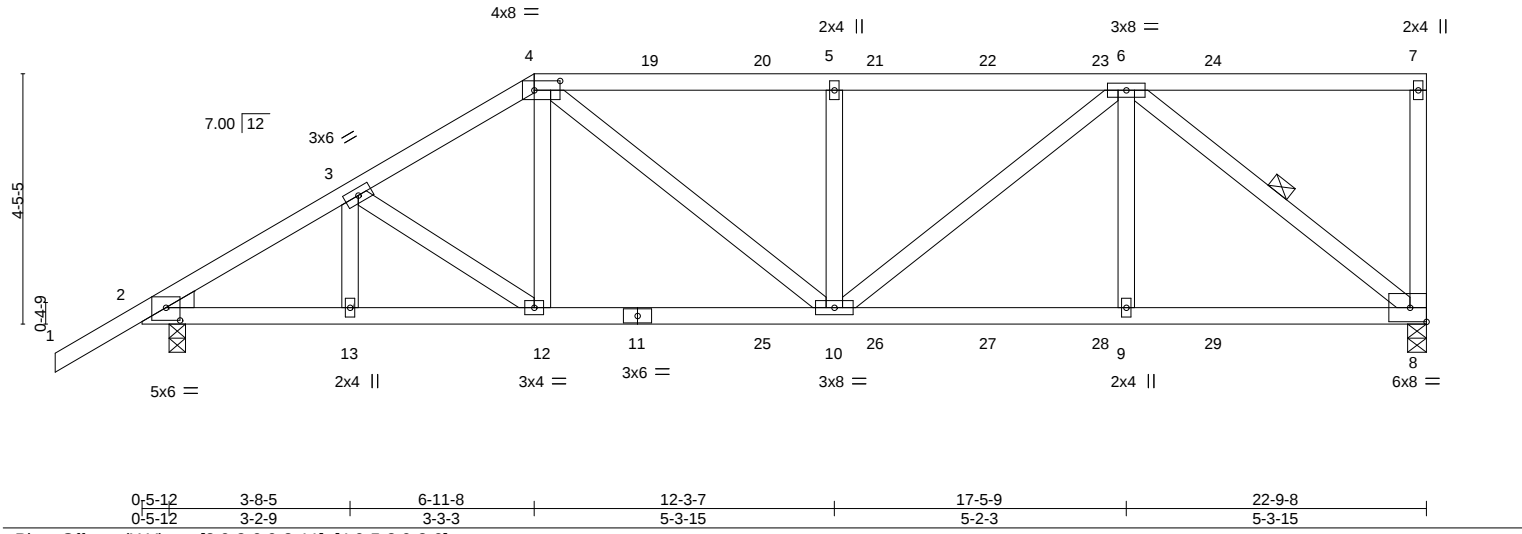
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:00 2021 Page 1

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Scale = 1:40.9



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.78	Vert(LL) 0.13 10-12 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.54	Vert(CT) -0.16 10-12 >999 180		
BCDL 10.0	Rep Stress Incr NO	Matrix-MSH	Horz(CT) 0.06 8 n/a n/a		
	Code FBC2020/TPI2014			Weight: 132 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-2-9 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2 *Except* 2-11: 2x4 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-7-9 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-8
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)

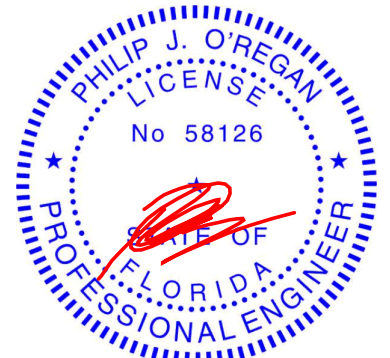
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2024/915, 3-4=-2069/991, 4-5=-2179/1072, 5-6=-2179/1072
BOT CHORD 2-13=-744/1669, 12-13=-744/1669, 10-12=-795/1783, 9-10=-687/1569, 8-9=-687/1569
WEBS 4-12=-162/399, 4-10=-262/554, 5-10=-571/279, 6-10=-373/781, 6-9=-102/396,
6-8=-1985/930

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=656, 2=683.
- 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 11-0-4, 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.
- 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



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901765
2935497	D03	Half Hip Girder	1	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 12:45:00 2021 Page 2
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LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-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) 24=-96(B) 25=-50(B) 26=-50(B) 27=-50(B) 28=-50(B) 29=-50(B)

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	D04	Roof Special	1	1	T25901766
Job Reference (optional)					

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

8.430 s Aug 16 2021
MiTek Industries, Inc.
Fri Nov 5 12:45:02 2021
Page 1

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4-6-13

8-10-0

14-2-6

19-6-12

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

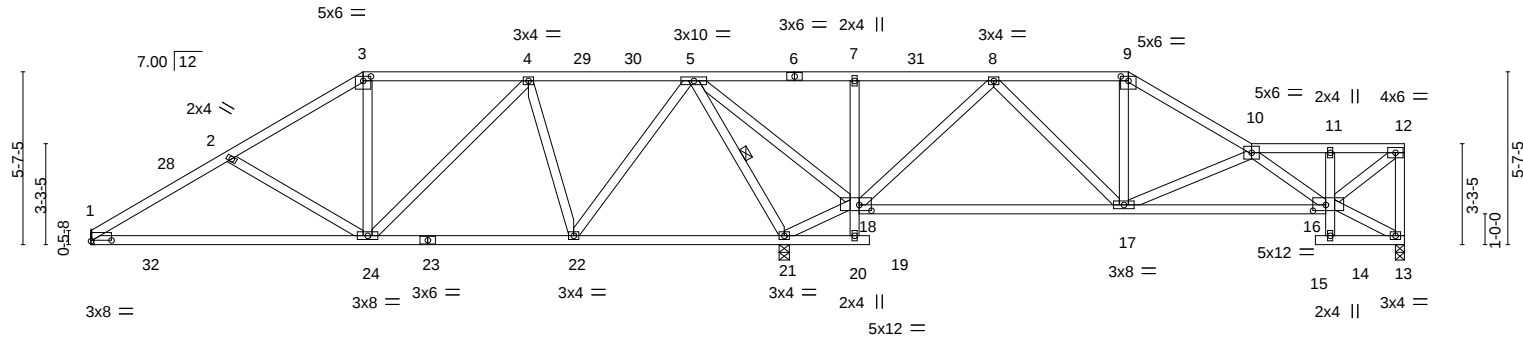
4-4-7

4-0-0

2-4-14

2-6-10

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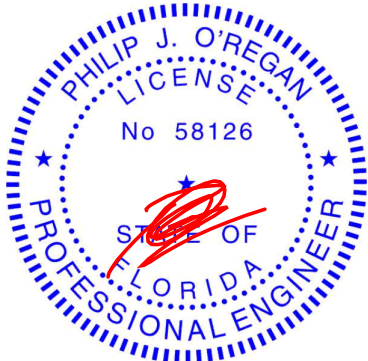


	8-10-0	15-8-0	22-6-0	24-11-2	33-8-0	40-0-14	42-7-8
	8-10-0	6-10-0	6-10-0	2-5-2	8-8-14	6-4-14	2-6-10
Plate Offsets (X,Y)--	[1:0-8-0,0-0-5], [3:0-3-0,0-1-12], [9:0-3-0,0-1-12], [16:0-5-0,0-2-4], [18:0-4-12,0-2-4]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35	Vert(LL)	0.25	24-27	>999
TCDL 7.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.26	17-18	>929
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.64	Horz(CT)	0.04	13	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS				
				PLATES	GRIP		
				MT20	244/190		
				Weight: 252 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
7-20,11-14: 2x4 SP No.3	6-0-0 oc bracing: 18-20
WEBS 2x4 SP No.3	10-0-0 oc bracing: 14-16
	1 Row at midpt 5-21
REACTIONS.	
(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
BOT CHORD	1-24=-827/806, 22-24=-456/375, 21-22=-341/51, 7-18=-267/104, 16-17=-3/856
WEBS	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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13 except (jt=lb) 1=267, 21=459.
 - 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.



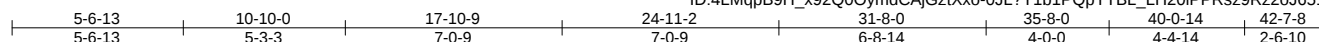
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 8,2021

Job	Truss	Truss Type	Qty	Ply	
2935497	D05	Roof Special	1	1	T25901767

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:03 2021 Page 1

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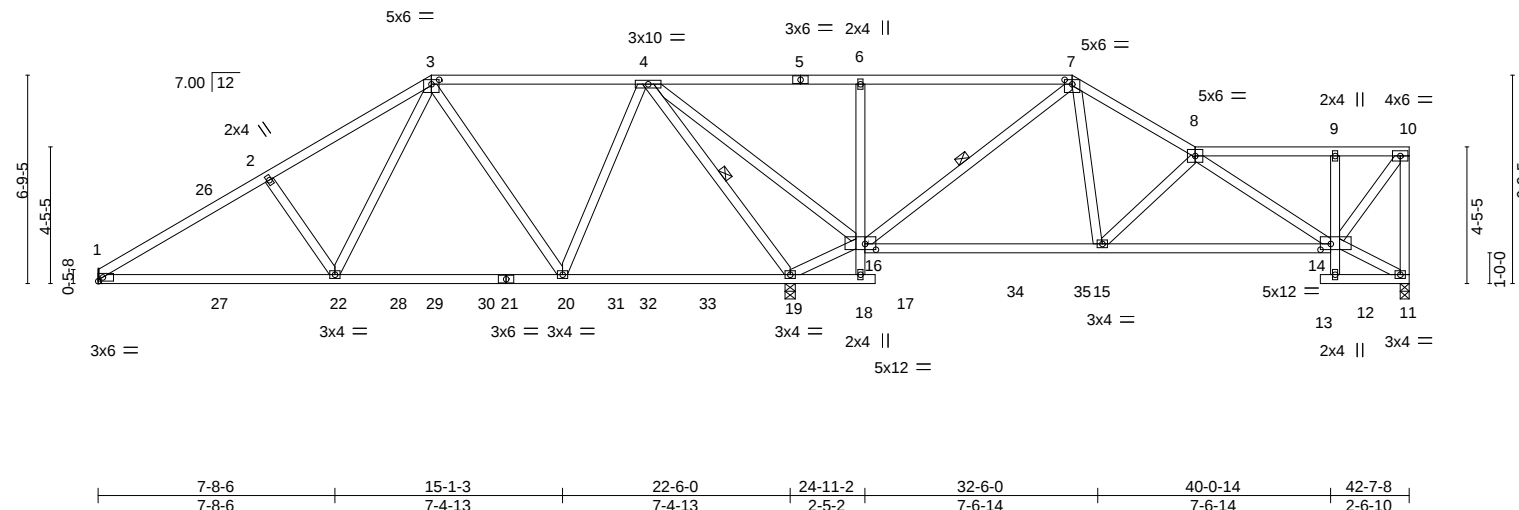


Plate Offsets (X,Y)-- [3:0-3-0,0-1-12], [7:0-3-0,0-1-12], [14:0-4-0,0-2-4], [16:0-4-4,0-2-4]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.14 22-25 >999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.18 15-16 >999 180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.05 11 n/a n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS				Weight: 260 lb	FT = 20%

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
6-0-0 oc bracing: 16-18
10-0-0 oc bracing: 12-14
WEBS 1 Row at midpt 4-19, 7-16

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,
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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 1=262, 19=468.
- 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
Date:

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



6904 Parke East Blvd.
Tampa, FL 36610

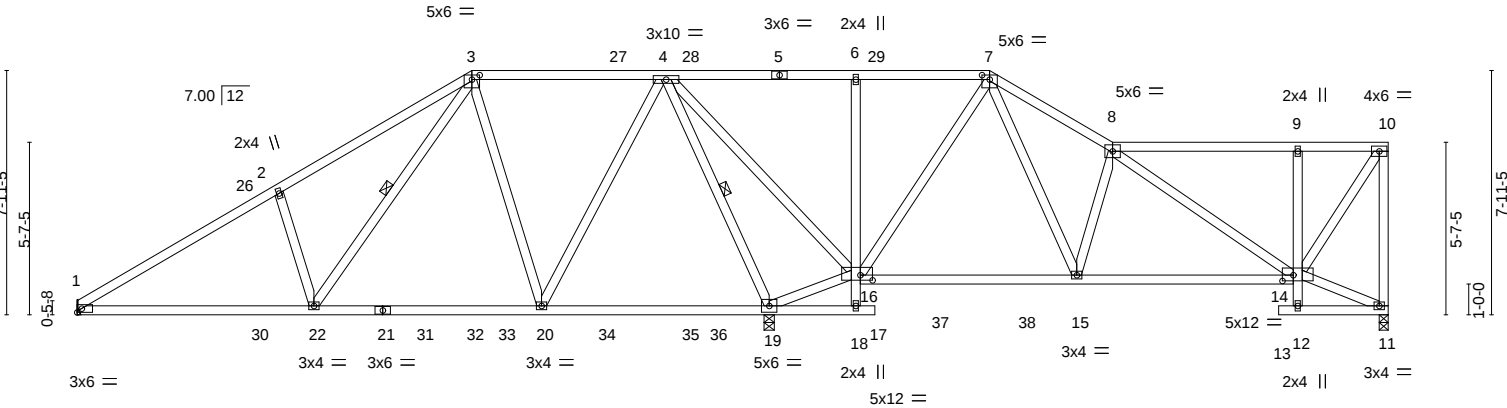
Job	Truss	Truss Type	Qty	Ply	
2935497	D06	Roof Special	1	1	T25901768

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

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-ziTlzd1x13GjVUNSi5UqqUohnsHRvEcZPWDq8yMEXS

6-6-13	12-10-0	19-1-12	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	25-5-9	32-6-0	39-6-7	42-7-8
7-8-6	7-4-13	7-4-13	2-11-9	7-0-7	7-0-7	3-1-1

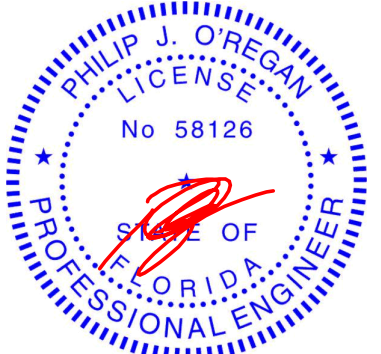
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.38	Vert(LL)	0.14 22-25	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.17 15-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.87	Horz(CT)	0.04 11	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 280 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
6-18,9-12: 2x4 SP No.3	6-0-0 oc bracing: 16-18
WEBS 2x4 SP No.3	10-0-0 oc bracing: 12-14
	WEBS 1 Row at midpt 3-22, 4-19

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, 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
WEBS	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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 1=264, 19=460.
 - 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
Date: November 8, 2021

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901769
2935497	D07	Roof Special Girder	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:06 2021 Page 1

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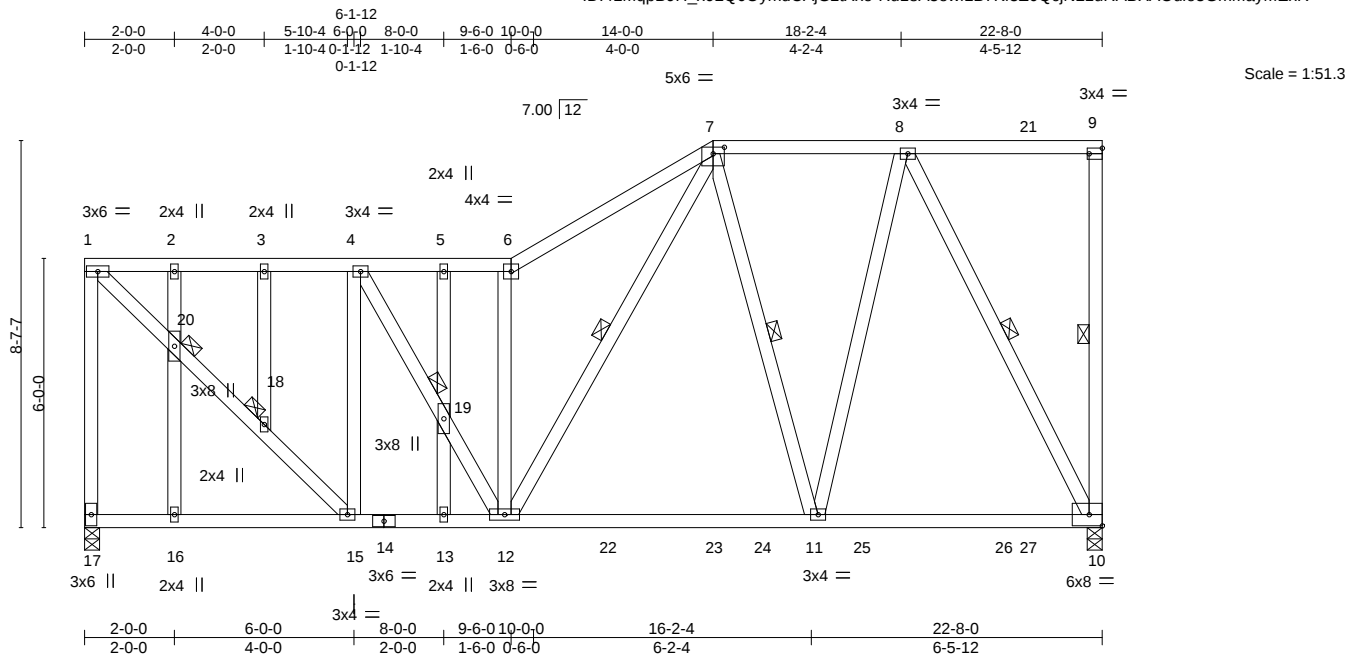


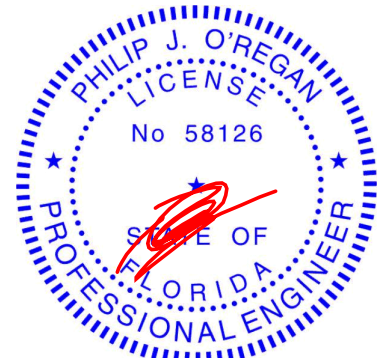
Plate Offsets (X, Y)--	[7:0-3-0,0-1-12], [9:Edge,0-1-8]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.70	Vert(LL)	0.12 11-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.62	Vert(CT)	-0.15 11-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.71	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 198 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 9-10, 7-12, 7-11, 8-10
	JOINTS 1 Brace at Jt(s): 18, 19, 20

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.
TOP CHORD	1-17=-808/578, 6-7=-1104/806, 7-8=-539/490, 1-2=-727/522, 2-3=-727/522, 3-4=-727/522, 4-5=-908/643, 5-6=-908/643
BOT CHORD	16-17=-342/315, 15-16=-342/315, 13-15=-760/727, 12-13=-760/727, 11-12=-572/603, 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, 12-19=-295/363

- 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.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901770
2935497	D08	Roof Special	1	1	

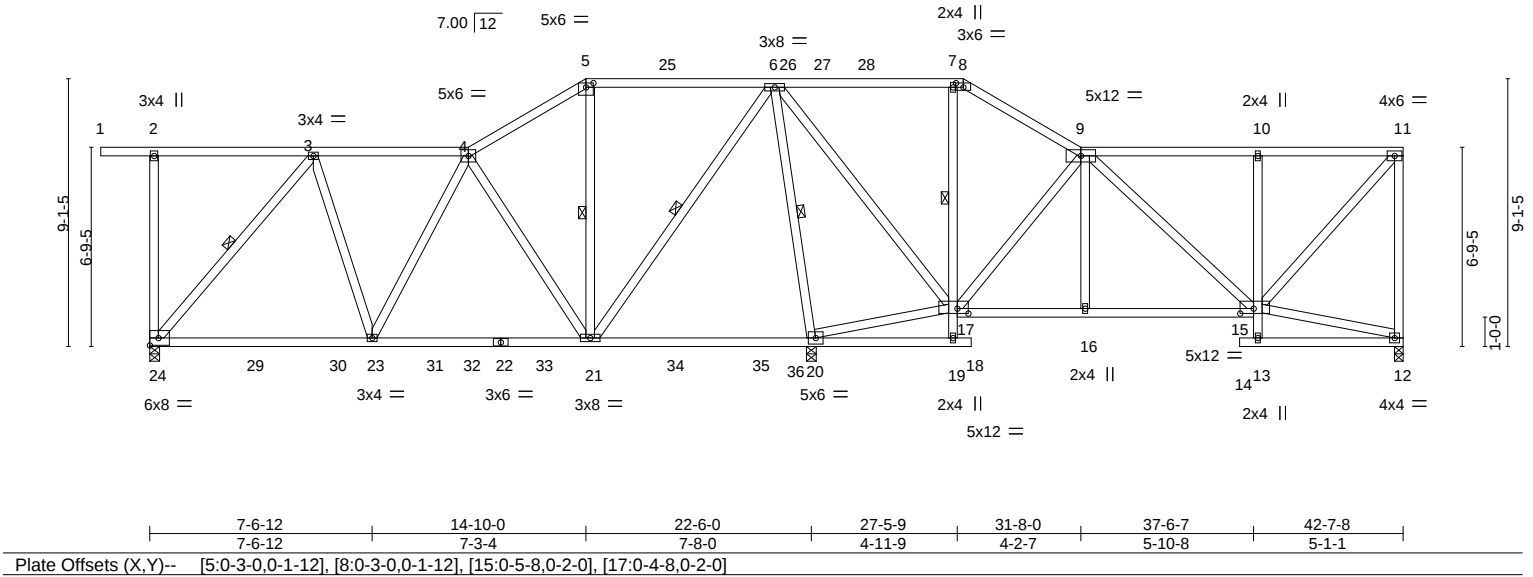
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:08 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-NH9ublfAEyRqayDy8qeBST6IX_s9elt2GNltRSyMExP

1-8-0	5-6-12	10-10-0	14-10-0	21-3-0	27-8-0	31-8-0	37-6-7	42-7-8
1-8-0	5-6-12	5-3-4	4-0-0	6-5-0	6-5-0	4-0-0	5-10-8	5-1-1

Scale = 1:78.4

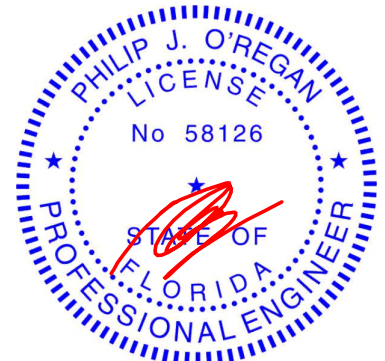


LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.47	Vert(LL)	0.15 23-24	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.19 23-24	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.74	Horz(CT)	0.03 12	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 324 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
7-19,10-13: 2x4 SP No.3	1 Row at midpt 7-17
WEBS 2x4 SP No.3	10-0-0 oc bracing: 17-19, 13-15
	1 Row at midpt 3-24, 5-21, 6-21, 6-20
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, 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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12 except (jt=lb) 24=367, 20=422.
 - 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
Date:

November 8, 2021

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

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



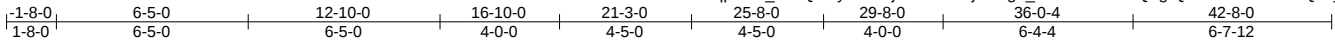
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Job	Truss	Truss Type	Qty	Ply	T25901771
2935497	D09	Roof Special	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:09 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rTjGo4go_GZhB6o8hY9Q?gfQdO9ONiSCU1UQzvyMExO



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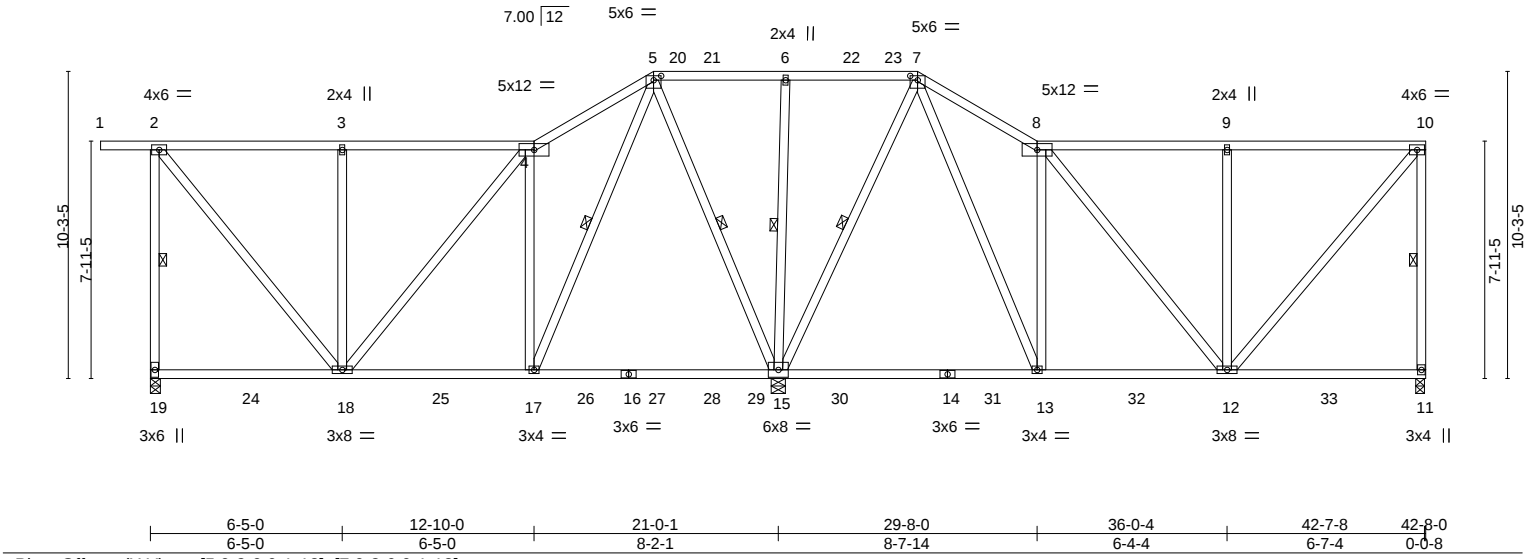


Plate Offsets (X,Y)--		[5:0-3-0,0-1-12], [7:0-3-0,0-1-12]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.64	Vert(LL) 0.23 15-17 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.80	Vert(CT) -0.29 13-15 >878 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.92	Horz(CT) -0.01 11 n/a n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 331 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-19, 10-11, 5-17, 5-15, 6-15, 7-15

REACTIONS.

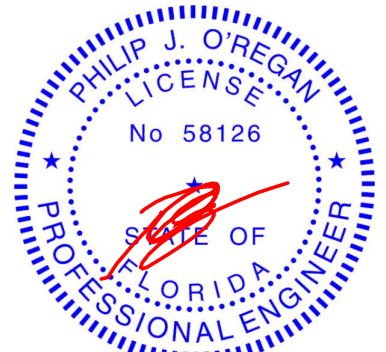
(size) 19=0-4-0, 11=0-3-8, 15=0-5-11
Max Horz 19=-298(LC 10)
Max Uplift 19=-346(LC 8), 11=-30(LC 9), 15=-468(LC 12)
Max Grav 19=775(LC 23), 11=727(LC 24), 15=2338(LC 2)

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

TOP CHORD 2-19=-657/509, 2-3=-369/340, 3-4=-369/340, 4-5=-374/392, 5-6=-174/483,
6-7=-171/478, 7-8=-516/105, 8-9=-474/95, 9-10=-474/95, 10-11=-587/73
BOT CHORD 18-19=-270/272, 17-18=-405/273, 15-17=-268/151, 13-15=-148/260, 12-13=-20/339
WEBS 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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 19=346, 15=468.
- 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
Date:

November 8, 2021

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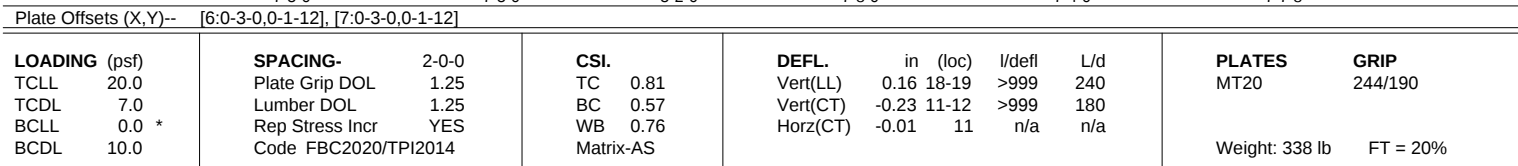
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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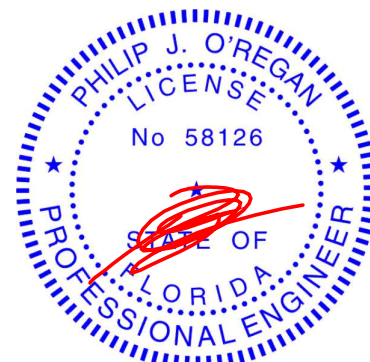
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472, 8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:11 2021 Page 1
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 1-8-0 7-5-0 14-10-0 18-10-0 23-8-0 27-8-0 35-0-0 42-7-8
 1-8-0 7-5-0 4-0-0 4-10-0 4-0-0 7-4-0 7-7-8

[illegible]

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD
 2-19=620/484, 2-3=321/304, 3-5=321/304, 5-6=195/491, 6-7=145/433,
 7-8=463/123, 8-9=507/110, 9-10=507/110, 10-11=640/84
BOT CHORD
 18-19=303/314, 17-18=255/96, 15-17=254/98, 14-15=196/285, 12-14=49/303
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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDFL=4.2psf; BCDL=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=1b) 19=353, 15=457.
- 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
Date:

November 8, 2021



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6904 Parke East Blvd
Tampa, FL 36610

Job 2935497	Truss D11	Truss Type PIGGYBACK BASE	Qty 1	Ply 1	T25901773
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Builders Firstsource, Plant City, FL, 33563

8.430 s Aug 16 2021 MiTek Industries, Inc. Mon Nov 8 14:34:55 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-LgXoJ_gw?dkNJFAhai4lq3iHYLXTUO_au4yfbYyLE2U

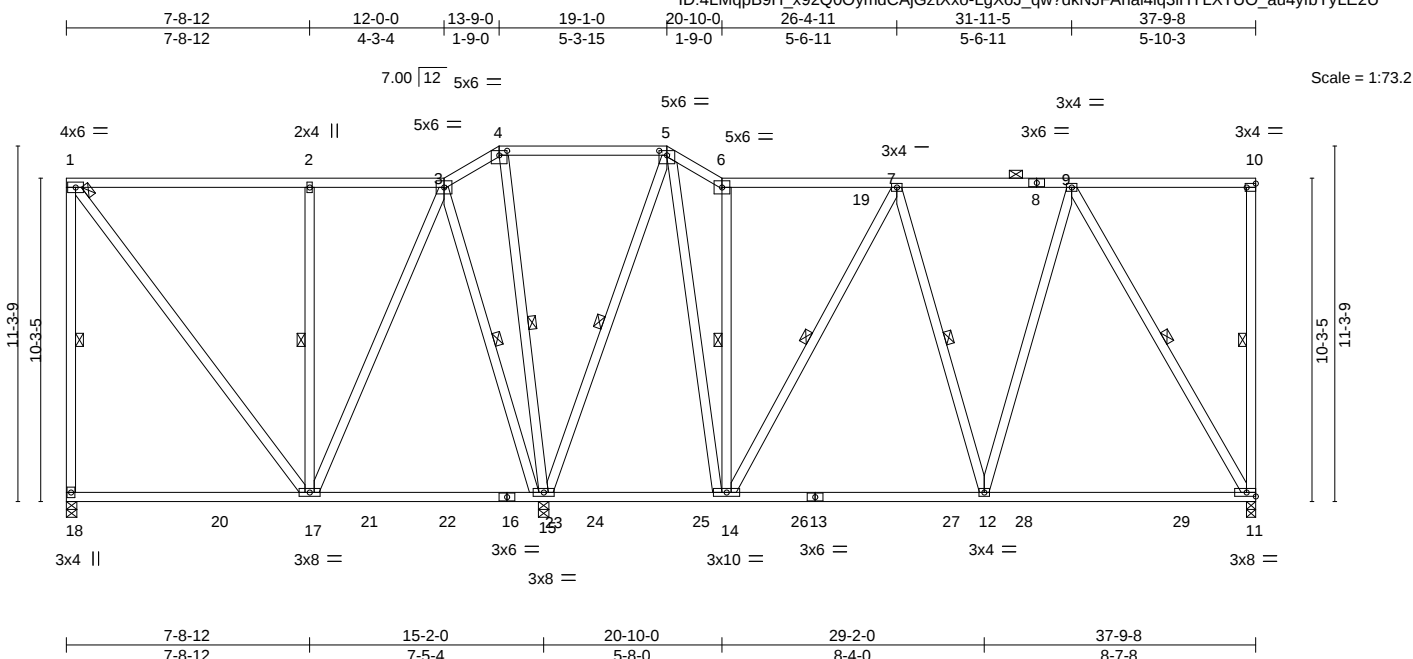


Plate Offsets (X,Y)--	[4:0-3-0,0-1-12], [5:0-3-0,0-1-12], [10:Edge,0-1-8]
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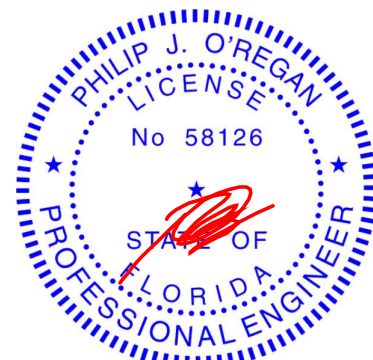
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.98	Vert(LL) 0.18	17-18	>977	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.90	Vert(CT) -0.35	11-12	>761	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.95	Horz(CT) 0.01	11	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS						
							Weight: 332 lb	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.
WEBS 2x4 SP No.3 *Except*	Rigid ceiling directly applied.
1-17: 2x4 SP No.2	1 Row at midpt
	1-18, 10-11, 2-17, 3-15, 4-15, 5-15, 6-14, 7-14, 7-12, 9-11

REACTIONS. (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
WEBS 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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 18, 87 lb uplift at joint 11 and 362 lb uplift at joint 15.
 - 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.
 - 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.



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

November 8, 2021

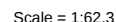
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LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.2 *Except*	WEBS	1 Row at midpt
	2-5: 2x4 SP No.3		1-6, 3-4, 1-5, 2-5, 3-5

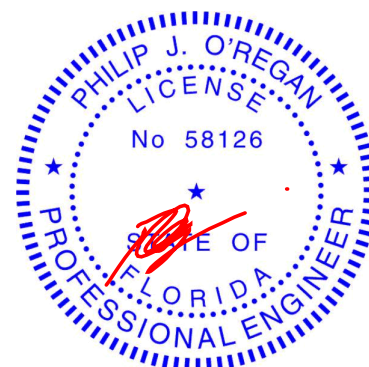
REACTIONS. (size) 6=0-4-0, 4=0-4-0
 Max Horz 6=-351(LC 8)
 Max Uplift 6=-331(LC 8), 4=-331(LC 9)
 Max Grav 6=666(LC 2), 4=666(LC 2)

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

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 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.
- 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) 6=331, 4=331.
- 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
Date:

November 8.2021

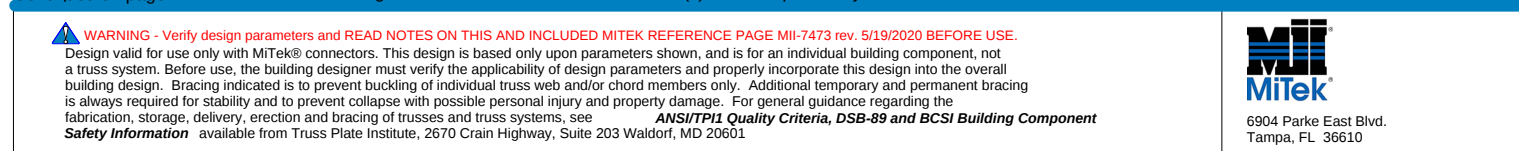


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6904 Parke East Blvd
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	T25901775
2935497	D13	Flat Girder	1	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-gd4X38lZa6Krv1FI2pGqExvY0pLanQL4tyxkAZyMExl

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)

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	D14	Roof Special Girder	1	1	T25901776
Job Reference (optional)					

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8pewGUIBLPSiXBqUcWn3n9RglCfnW1yE5chlJ?yMExH

-1-6-8	4-2-8	7-4-8	10-10-13	14-10-7	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

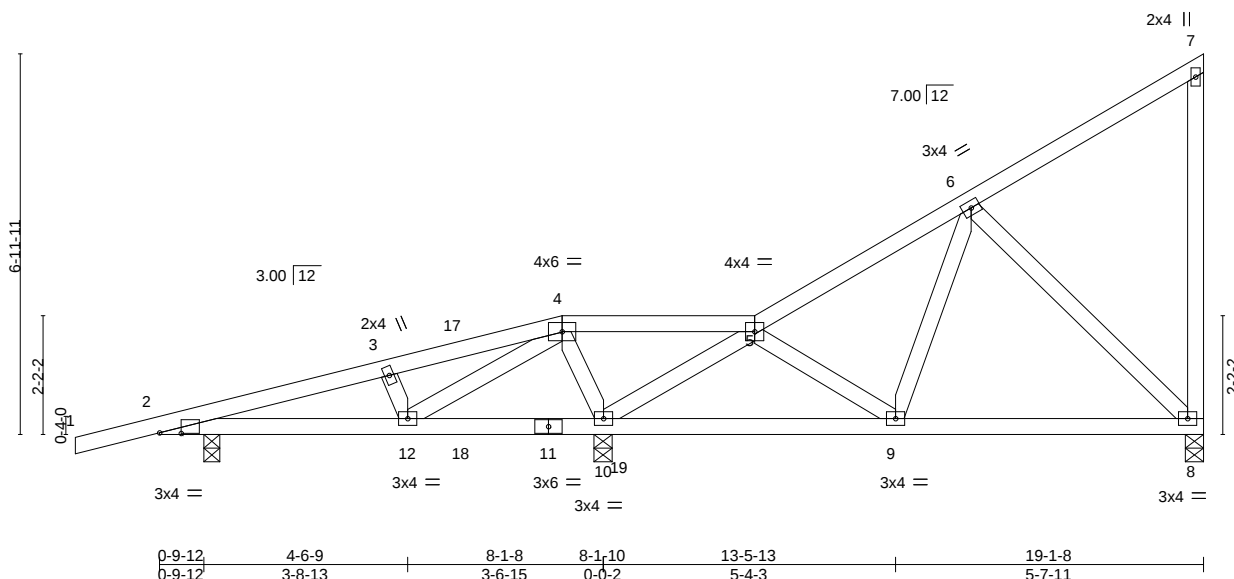


Plate Offsets (X,Y)--	[2:0-4-12,0-0-2]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.39	Vert(LL)	0.04 10-12	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.37	Vert(CT)	-0.05 8-9	>999	180
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.23	Horz(CT)	0.00 8	n/a	n/a
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MSH				
						Weight: 104 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 8=0-4-0, 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
WEBS 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) 2=171, 10=352.
- 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
Date:

November 8, 2021

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

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901777
2935497	D15	Roof Special	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:17 2021 Page 1

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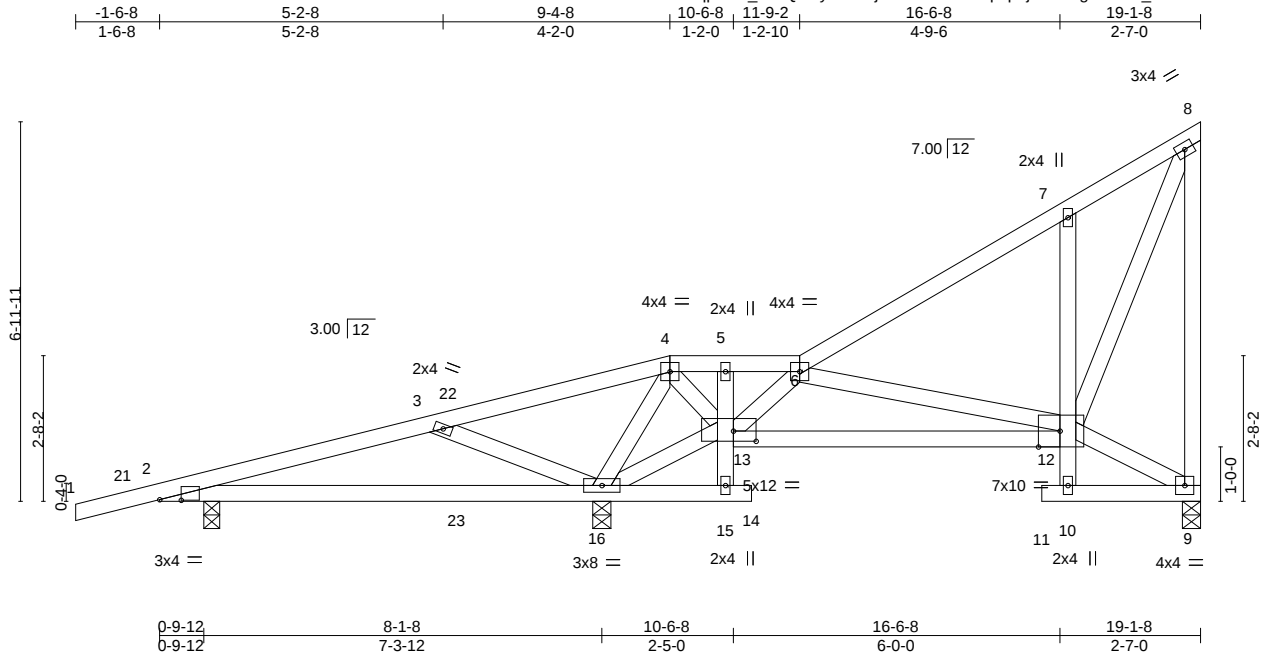


Plate Offsets (X,Y)--	[2:0-4-12,0-0-2], [12:0-4-12,Edge], [13:0-5-0,0-2-4]						
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES
TCLL 20.0	Plate Grip DOL 1.25	TC 0.37	Vert(LL)	0.12 16-20	>777	240	MT20
TCDL 7.0	Lumber DOL 1.25	BC 0.37	Vert(CT)	-0.10 16-20	>992	180	244/190
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(CT)	0.01 9	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS					Weight: 118 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-15,7-10: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
6-0-0 oc bracing: 13-15
10-0-0 oc bracing: 10-12

REACTIONS.

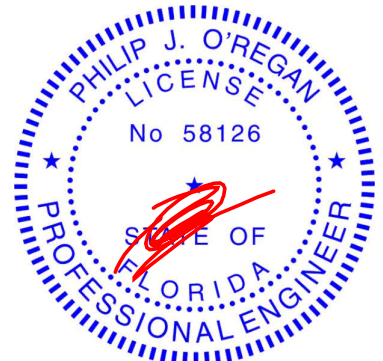
(size) 9=0-4-0, 2=0-3-8, 16=0-4-0
Max Horz 2=227(LC 11)
Max Uplift 9=43(LC 9), 2=157(LC 12), 16=161(LC 12)
Max Grav 9=338(LC 17), 2=301(LC 1), 16=882(LC 1)

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

TOP CHORD 3-4=-201/529, 6-7=-280/53, 8-9=-322/167
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,
8-12=-181/398

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.



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

November 8,2021

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

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



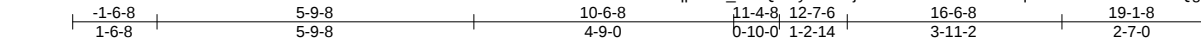
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901778
2935497	D16	Roof Special Girder	1	2	

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

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Scale = 1:42.1

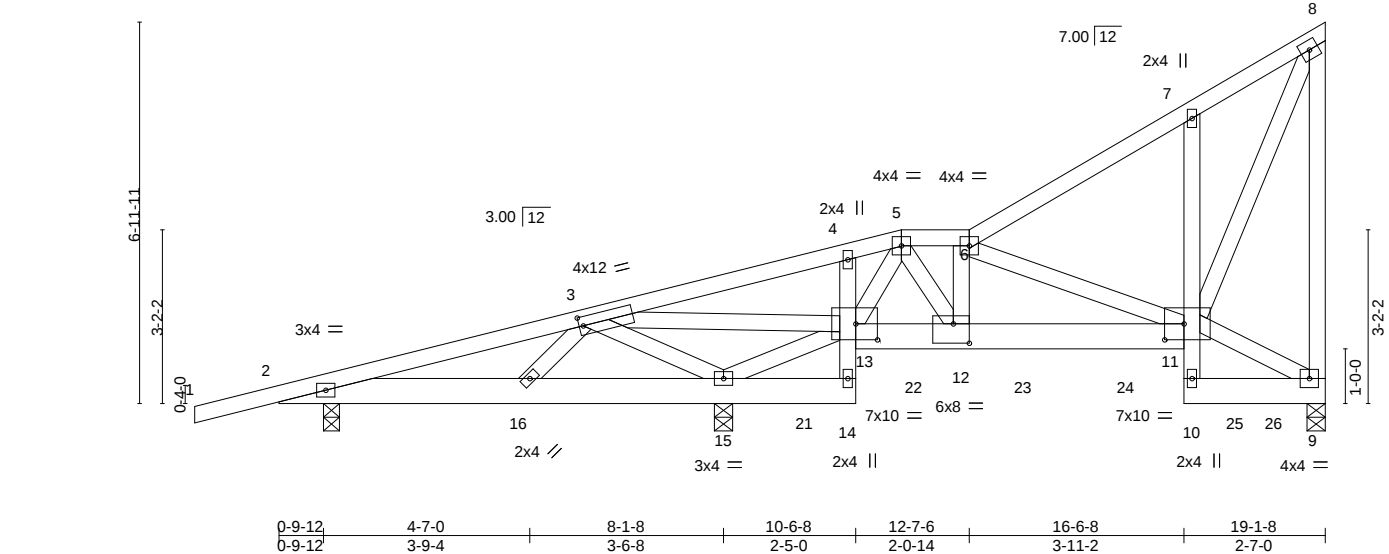


Plate Offsets (X,Y)-- [3:0-0-14,0-2-0], [11:0-4-4,0-3-8], [12:0-3-8,0-4-4], [13:0-4-12,0-3-8]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.04	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-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/TPI2014		Matrix-MSH						Weight: 276 lb FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x6 SP No.2 *Except*
 4-14,7-10: 2x4 SP No.3
 WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-16,15-16.

REACTIONS.

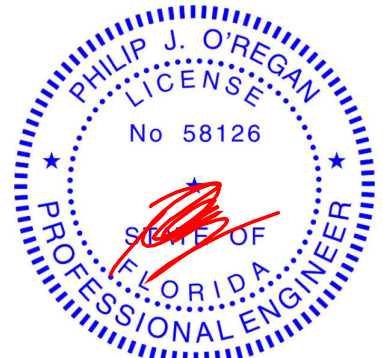
(size) 9=0-4-0, 15=0-4-0, 2=0-3-8
 Max Horz 2=224(LC 5)
 Max Uplift 9=440(LC 5), 15=453(LC 8), 2=336(LC 21)
 Max Grav 9=2353(LC 1), 15=2951(LC 1), 2=230(LC 14)

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, 6-11=-1461/193, 8-11=-320/2053

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=440, 15=453, 2=336.
- 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
 Date:

November 8,2021

Continued on page 2

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6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901778
2935497	D16	Roof Special Girder	1	2	Job Reference (optional)

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-54, 5-6=-54, 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)



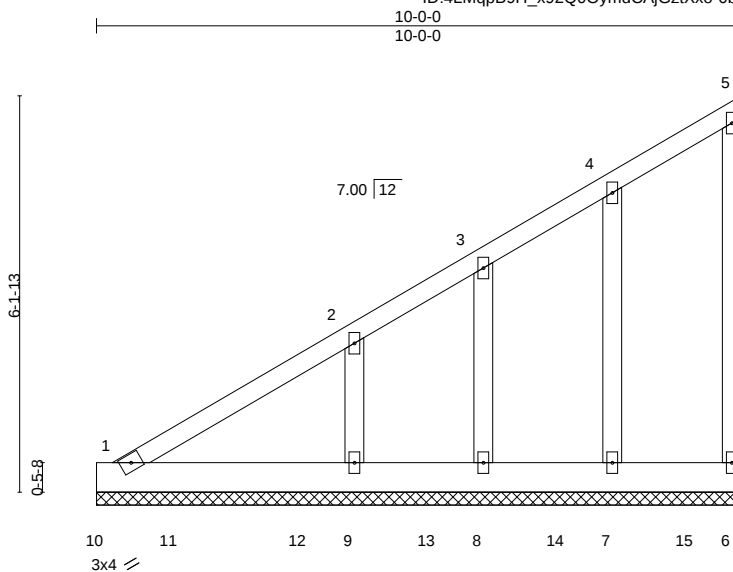
Job	Truss	Truss Type	Qty	Ply	
2935497	D17	GABLE	1	1	T25901779
Job Reference (optional)					

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 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-0btQ6roiPey70o8FrMs?x?cPDq2RSuho0EfVsmymEXD



Scale = 1:35.7

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.20	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-SH					Weight: 62 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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 10-0-0.

(lb) - Max Horz 10=198(LC 5)

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 8)

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 1)

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

NOTES-

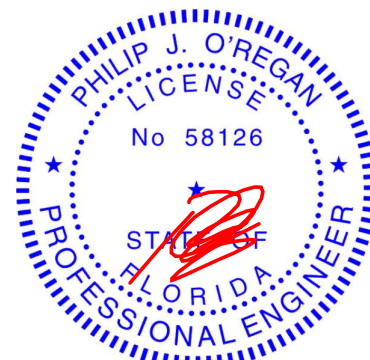
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=90ft; L=70ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed 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
Date:

November 8, 2021

Continued on page 2

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



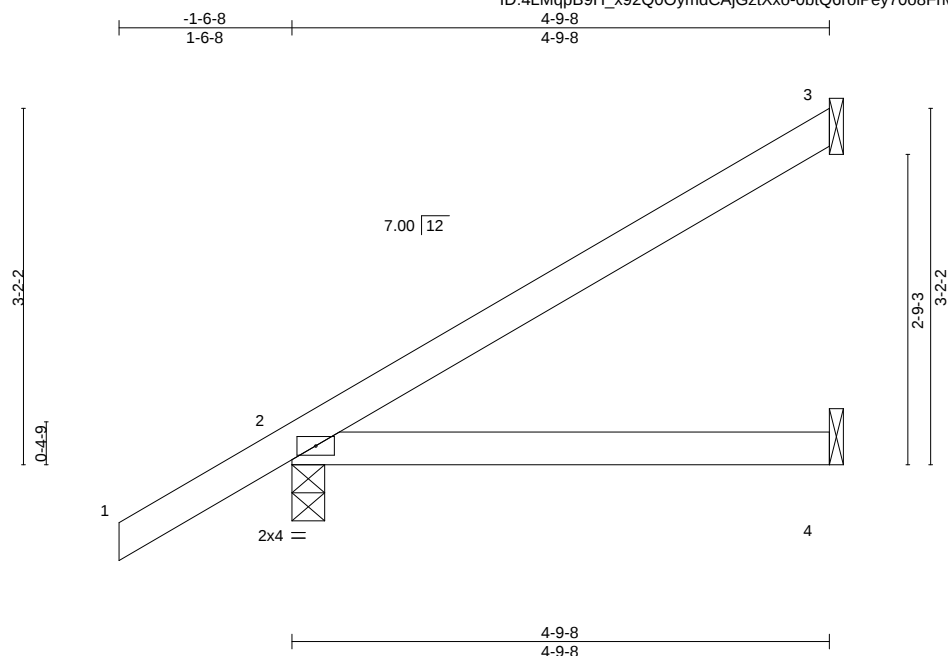
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901779
2935497	D17	GABLE	1	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 12:45:20 2021 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 11=-158(B) 12=-158(B) 13=-158(B) 14=-158(B) 15=-161(B)



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 0.23	Vert(LL) -0.02 4-7 >999 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.21	Vert(CT) -0.04 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/TPI2014	Matrix-AS		Weight: 18 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.

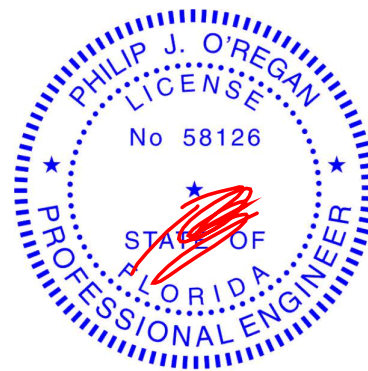
REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horiz 2=115(LC 12)
Max Uplift 3=-48(LC 12), 2=-58(LC 12)
Max Grav 3=113(LC 17), 2=272(LC 1), 4=83(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.
- 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
Date:

November 8, 2021

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



6904 Parke East Blvd
Tampa, FL 36610

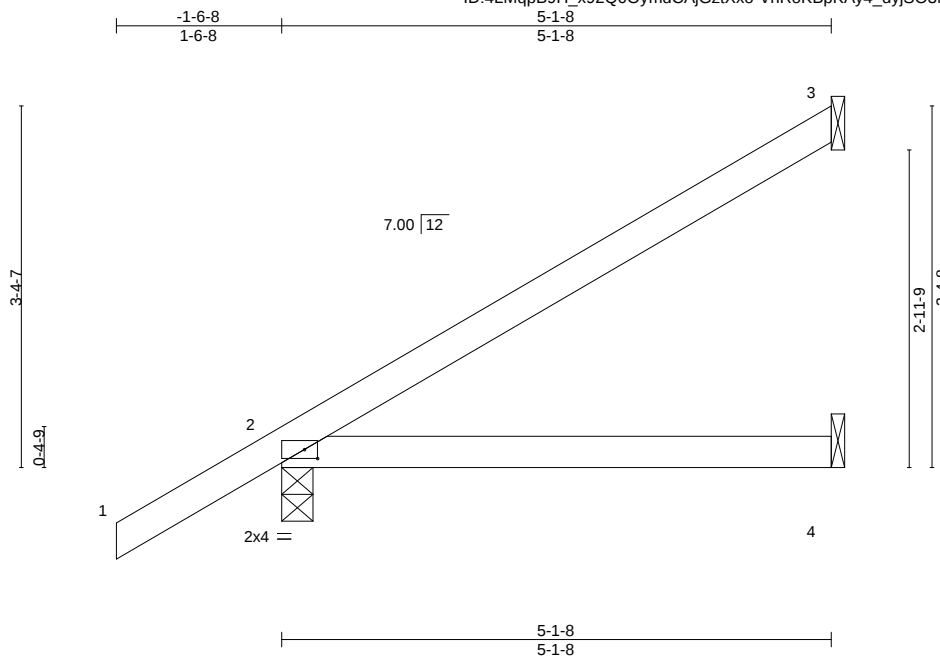
Job	Truss	Truss Type	Qty	Ply	
2935497	E5	Jack-Open	3	1	T25901781

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:21 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-VnRoKBpKAY4_dyjSO3NEUC8ZPD0uBLjzFuO3OCyMEXC



Scale = 1:21.5

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 0.27	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/TPI2014		Matrix-AS					Weight: 19 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

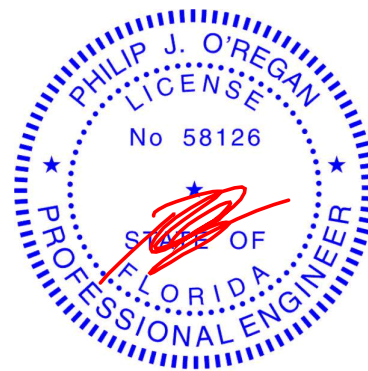
REACTIONS.

(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
- 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.
- 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
Date:

November 8,2021

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



6904 Parke East Blvd.
Tampa, FL 36610

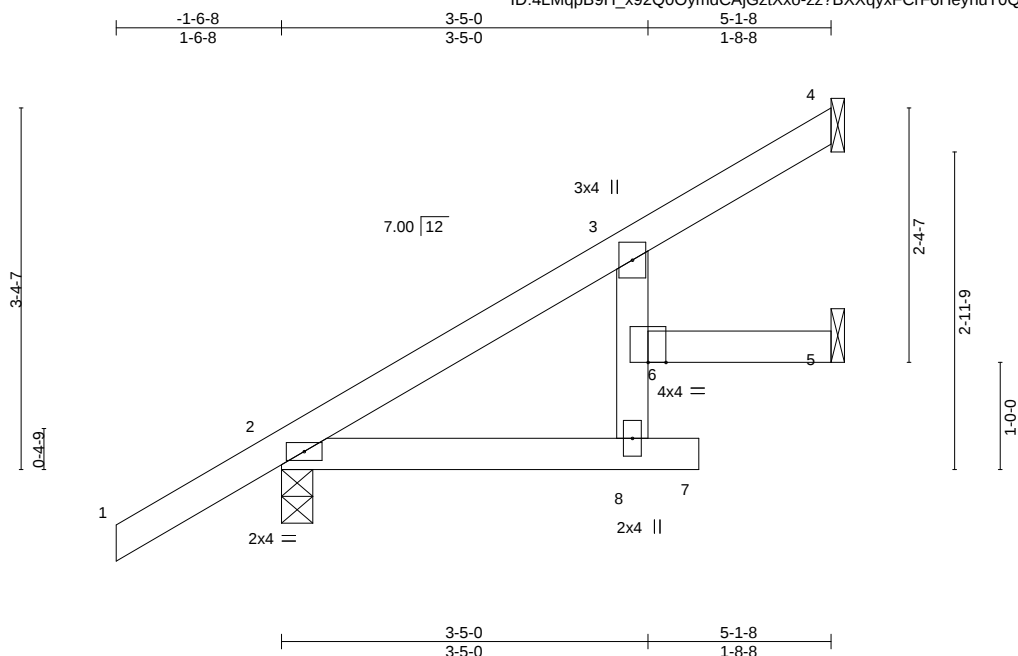
Job	Truss	Truss Type	Qty	Ply	T25901782
2935497	E5A	Jack-Open	2	1	

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:22 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-zz?BXXqyFCrF6HeynuT0Qhmydirwoz6UY8cwfyMExB



Scale = 1:21.5

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 0.16	Vert(LL)	-0.02	7	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.33	Vert(CT)	-0.03	7	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	5	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 23 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

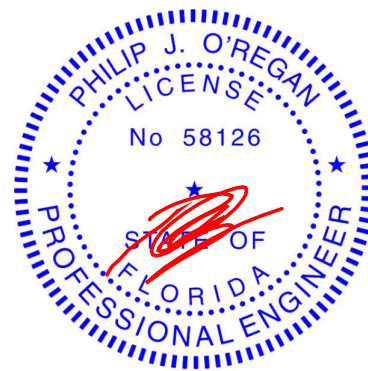
REACTIONS.

(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; TCCL=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, 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.



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

November 8, 2021

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



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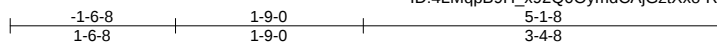
Job	Truss	Truss Type	Qty	Ply	T25901783
2935497	E5B	Jack-Open	4	1	

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:23 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-RAZZktrahZKitGsQWUPiZdEu113?FDGicAT5yMExA



Scale = 1:21.5

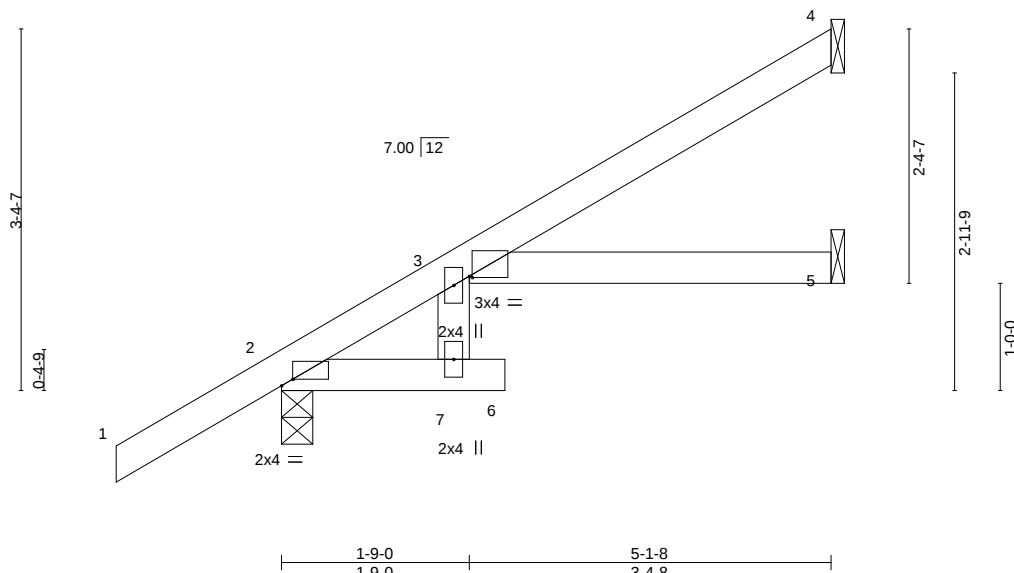


Plate Offsets (X,Y)--		[2:0-1-4,Edge], [3:0-0-5,0-0-2]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33
TCDL 7.0	Lumber DOL	1.25	BC 0.27
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.04 6 >999 240
			Vert(CT) -0.08 6 >763 180
			Horz(CT) 0.04 5 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 21 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

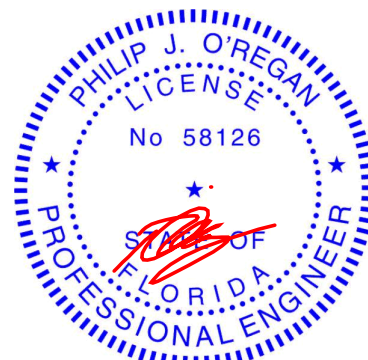
REACTIONS.

(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.



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

November 8,2021

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



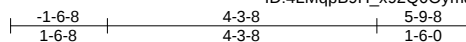
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901784
2935497	E5G	Half Hip Girder	2	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:24 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vM7xyDrCStSZUQR14Cwx6rm3eRRsOfexsdj?XyMEx9



Scale = 1:36.7

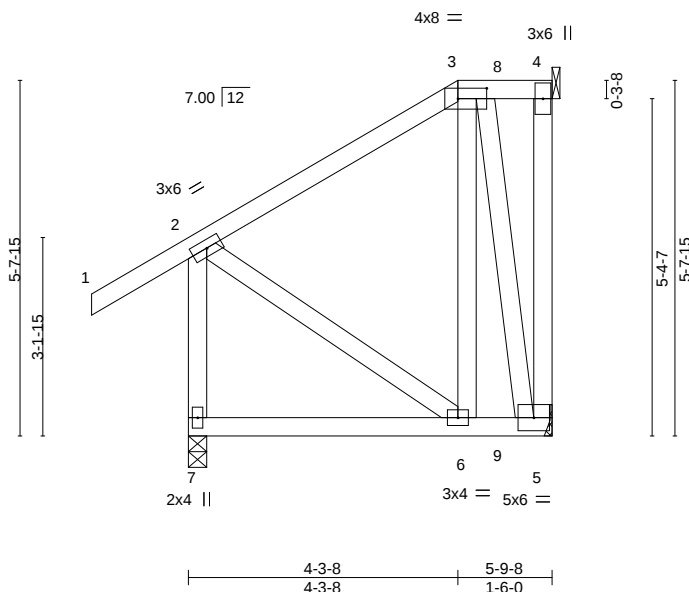


Plate Offsets (X,Y)--	[3:0-5-8,0-2-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34	Vert(LL)	-0.01 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.16	Vert(CT)	-0.03 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.25	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 55 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(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.

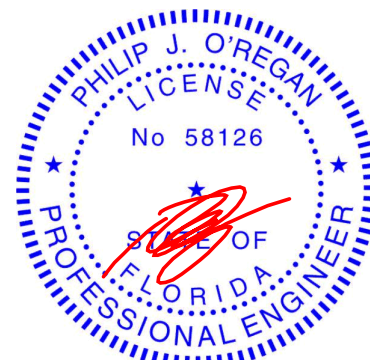
TOP CHORD 2-7=-322/170
WEBS 3-6=-363/372, 3-5=-435/416

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
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November 8, 2021

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



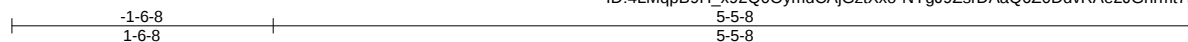
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	E5P	Jack-Open	2	1	T25901785
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:25 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-NYgJ9ZsrDAaQ6Z0DdvRAe2JGnrmt79jYAWMGXzyMEx8



Scale = 1:13.6

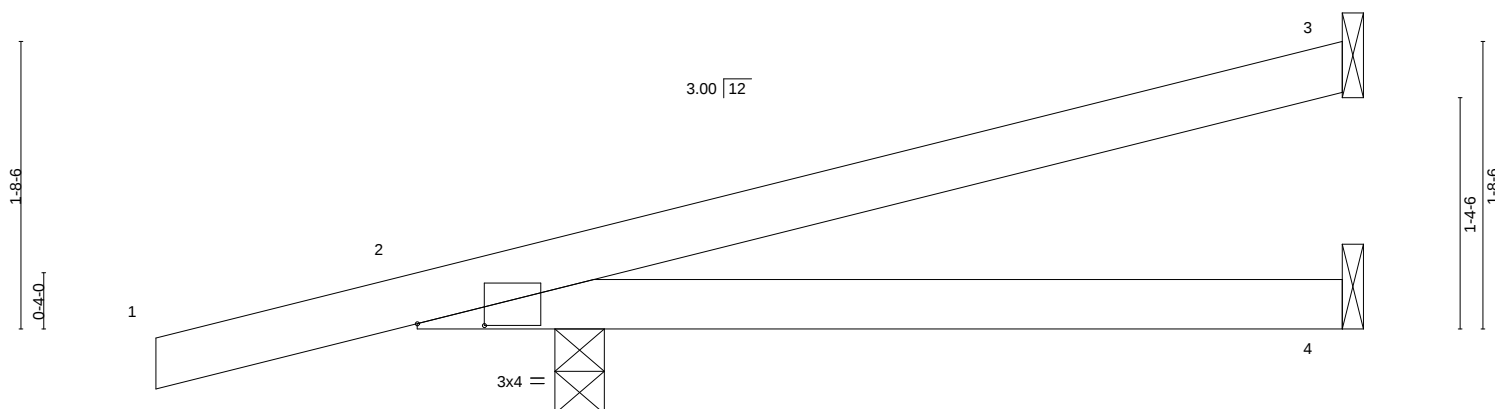


Plate Offsets (X,Y)--		[2:0-4-12,0-0-2]		0-9-12		5-5-8		4-7-12	
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	in (loc)	l/defl	L/d	GRIP
TCDL	7.0	Lumber DOL	1.25	BC	0.24	0.04 4-8	>999	240	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	-0.03 4-8	>999	180	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS		-0.00 3	n/a	n/a	
								Weight: 19 lb FT = 20%	

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

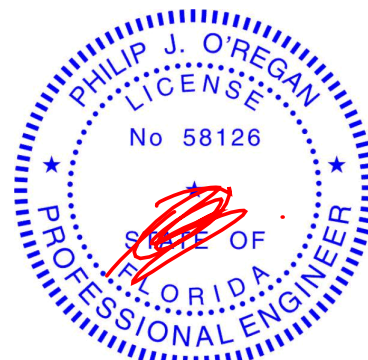
REACTIONS.

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



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

November 8, 2021

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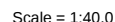
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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



6904 Parke East Blvd.
Tampa, FL 36610

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:26 2021 Page 1
ID:4LMpB9H_x92O0QymdCAIGztXxo-rJfHNuT_UiHkibPBczPBGsMCEvcsZWIOA6a3QvMEx7



BRACING-	
TOP CHORD	Structural wood sheathing directly applied or 5-9-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

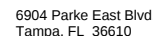
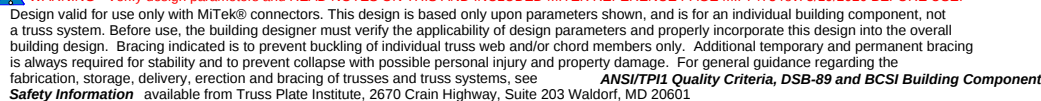
TOP CHORD	2-8=-774/179, 2-3=-387/123, 3-4=-428/169, 4-5=-333/149
BOT CHORD	6-7=-115/726
WEBS	2-7=-65/602, 4-7=-223/549

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph, TCDEL=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) 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).

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)



November 8, 2021



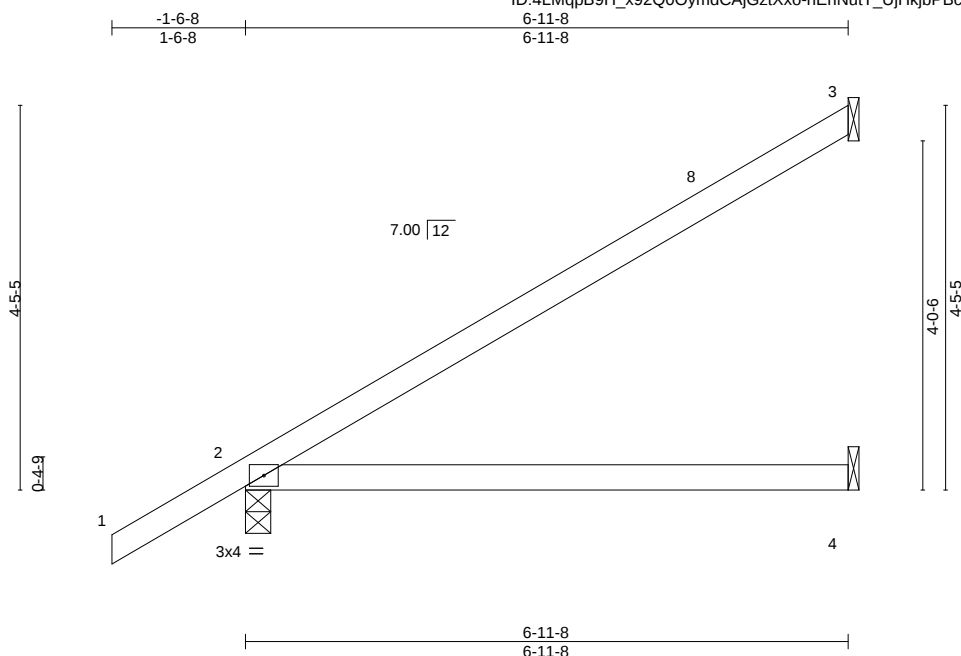
Job	Truss	Truss Type	Qty	Ply	
2935497	E7	Jack-Open	10	1	T25901787

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:26 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-rlEhNutT_UjHkjbPBczPBGsL2E1MscyIOA6q3QyMEx7



Scale = 1:26.6

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 0.53	Vert(LL)	-0.09	4-7	>962	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.48	Vert(CT)	-0.20	4-7	>421	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	2	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
								Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

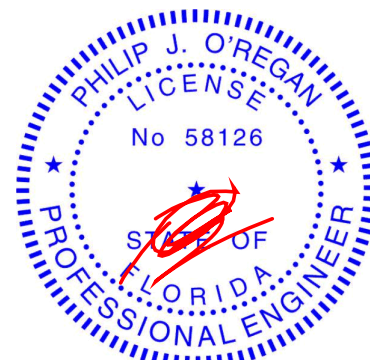
REACTIONS.

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

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
- 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.
- 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
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November 8, 2021

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



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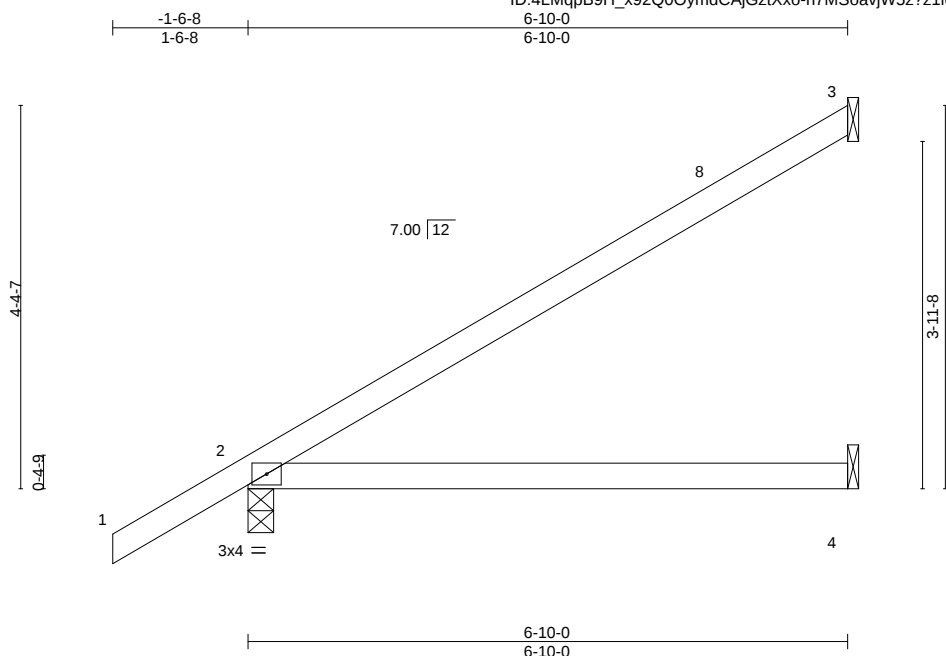
Job	Truss	Truss Type	Qty	Ply	T25901789
2935497	E7S	Jack-Open	9	1	

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:28 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-n7MSoavjW5z?z1loJ1?Ghxs2j7KWS?sUbw8lyMEx5



Scale = 1:26.3

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.08	4-7	>999	240	MT20
BCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.18	4-7	>445	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	2	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
								Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

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

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; TCCL=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
- 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.
- 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
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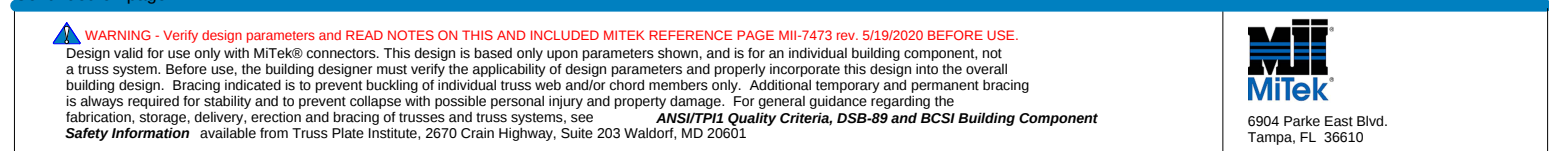
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610



Job	Truss	Truss Type	Qty	Ply	T25901790
2935497	G01	Half Hip Girder	1	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 12:45:29 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)

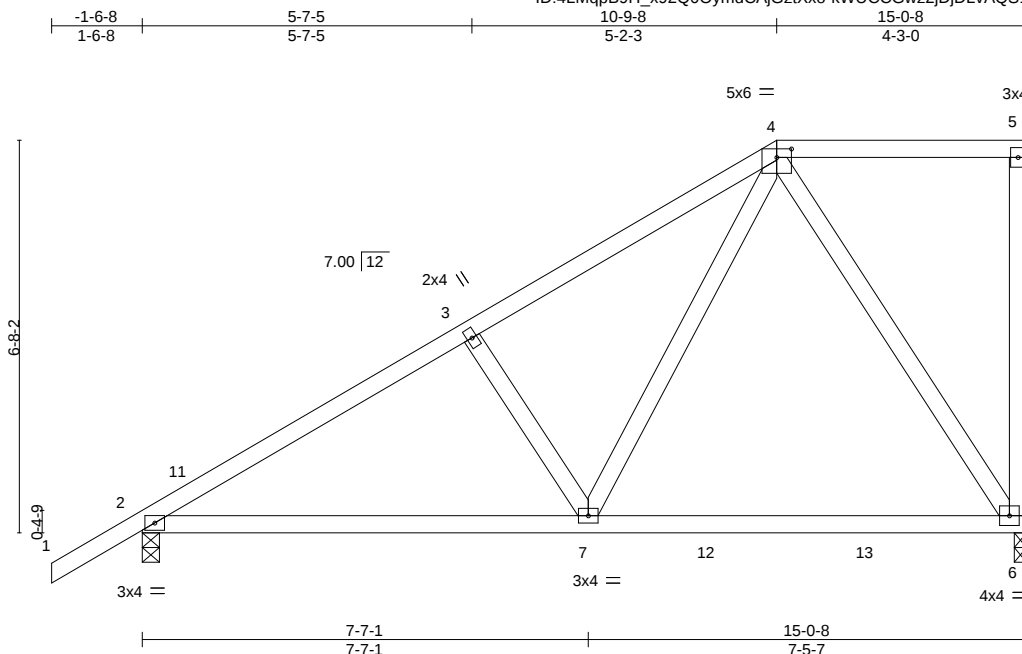
Vert: 9=-1147(B) 13=-1571(B) 14=-631(B) 16=-670(B) 18=-1228(B)

Job	Truss	Truss Type	Qty	Ply	
2935497	G02	Half Hip	1	1	T25901791
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:30 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-kWUCCGwz2jDjDLvAQs1LL603isNWohWJJo41CByMEx3



Scale = 1:39.2

Plate Offsets (X,Y)--		[4:0-3-0,0-1-12]										
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.		in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	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/TPI2014		Matrix-AS							Weight: 86 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

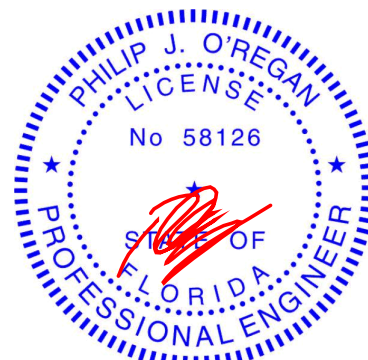
(size) 2=0-3-8, 6=0-2-8
Max Horz 2=236(LC 11)
Max Uplift 2=-104(LC 12), 6=-72(LC 9)
Max Grav 2=720(LC 17), 6=670(LC 17)

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
WEBS 3-7=-300/194, 4-7=-73/643, 4-6=-550/221

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 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.
- 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
Date:

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901792
2935497	G03	Half Hip	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:31 2021 Page 1

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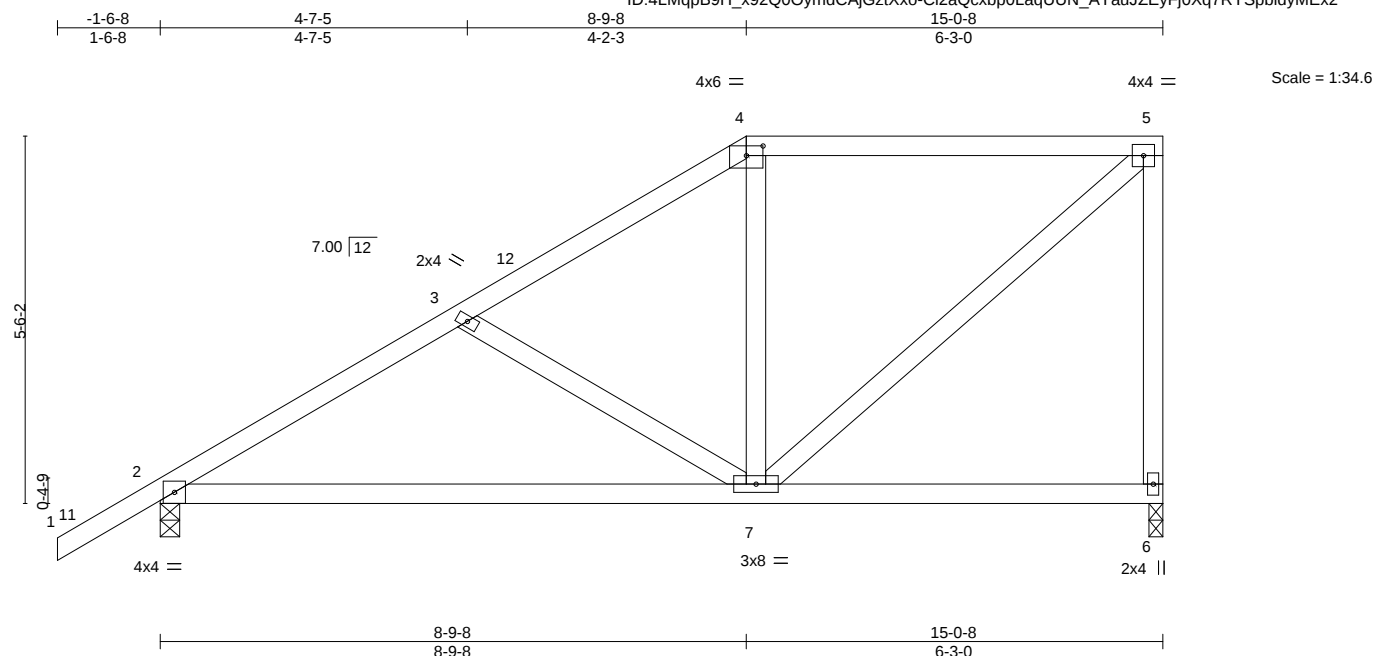


Plate Offsets (X,Y)--	[4:0-3-0,0-1-12]						
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL)	-0.12	>999	240
TCDL 7.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.24	>743	180
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	0.01	n/a	n/a
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS				
						Weight: 83 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

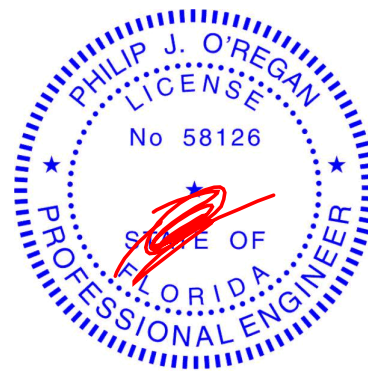
(size) 6=0-2-8, 2=0-3-8
Max Horz 2=195(LC 11)
Max Uplift 6=-66(LC 9), 2=-106(LC 12)
Max Grav 6=547(LC 1), 2=639(LC 1)

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

TOP CHORD 2-3=-757/148, 3-4=-535/112, 4-5=-409/124, 5-6=-501/169
BOT CHORD 2-7=-311/648
WEBS 3-7=-271/154, 5-7=-159/518

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=106.
- 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
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	G04	Half Hip	1	1	T25901793

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:32 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-gubzdyyEaKTQSe2ZYt4pQX6Ogf4mGF1an6Z8H3yMEx1



Scale = 1:28.8

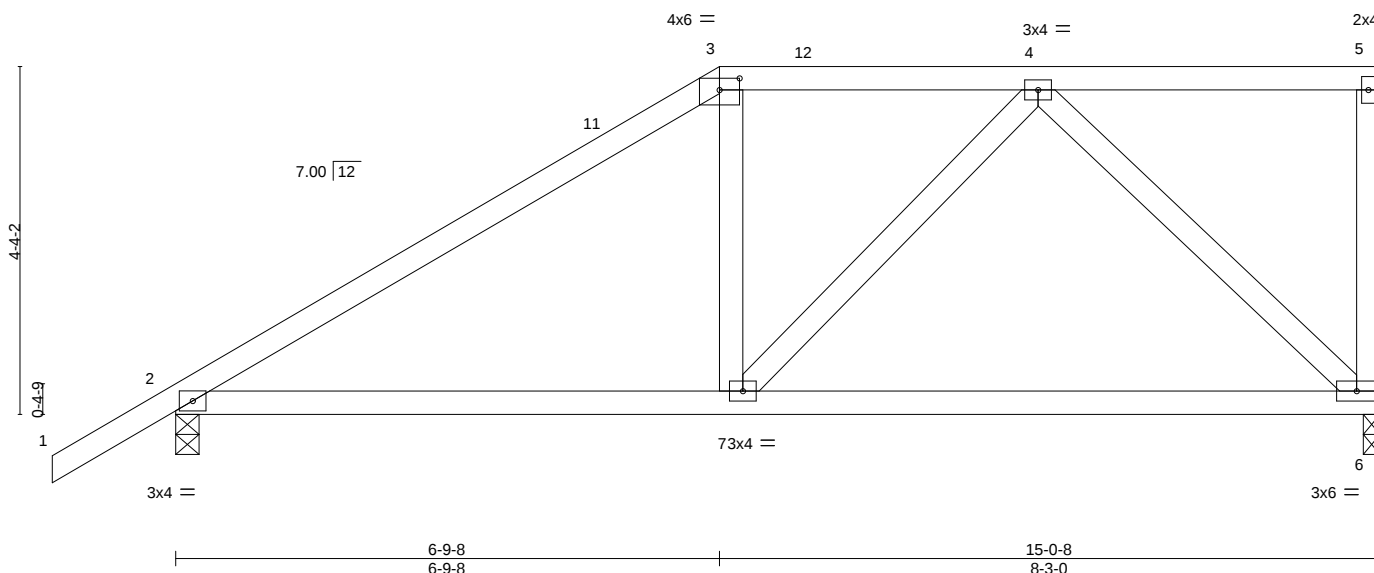


Plate Offsets (X,Y)--	[3:0-3-0,0-1-12]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.46	Vert(LL)	-0.09 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-0.18 6-7	>973	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.01 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS					Weight: 76 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

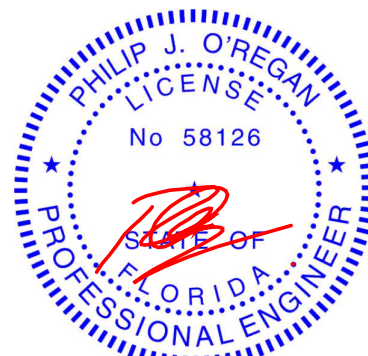
(size) 2=0-3-8, 6=0-2-8
Max Horz 2=154(LC 11)
Max Uplift 2=-108(LC 12), 6=-61(LC 9)
Max Grav 2=639(LC 1), 6=547(LC 1)

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
WEBS 4-7=-42/251, 4-6=-532/178

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 2=108.
- 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
Date:

November 8, 2021

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901794
2935497	G05	Half Hip Girder	1	1	

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-859LrlySLebH4odl5ab2zkeZ93Qc?g?k?mlhpWyMEx0



Scale = 1:27.6

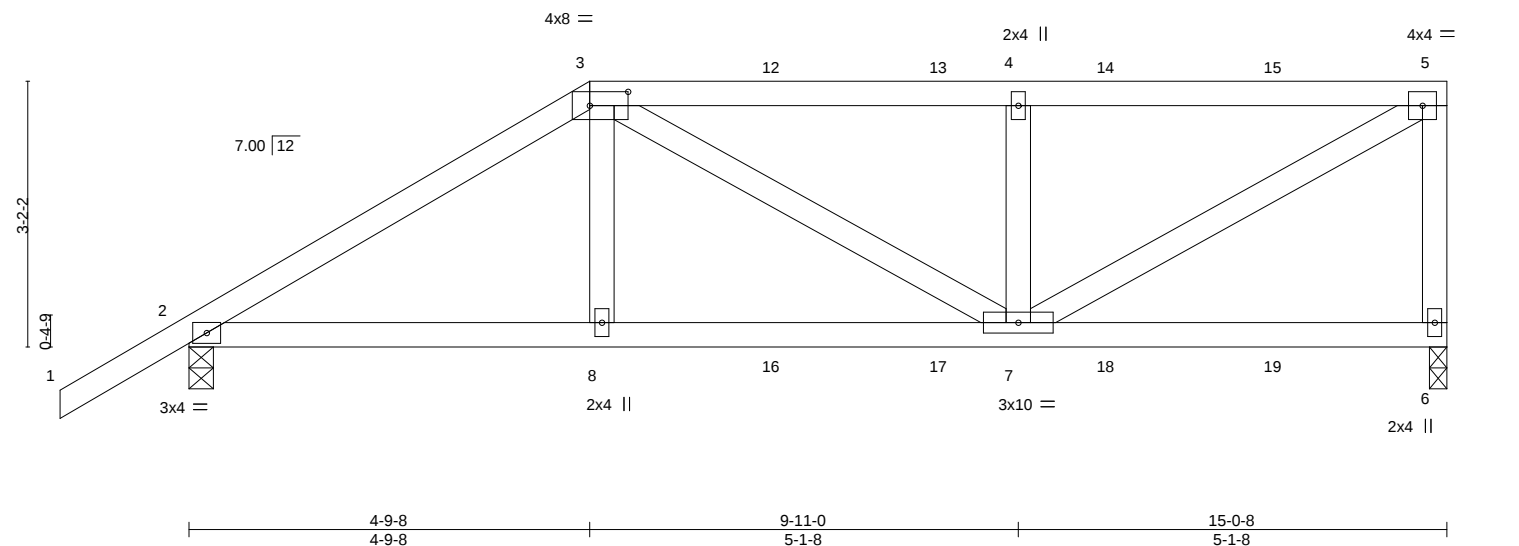


Plate Offsets (X,Y)--	[3:0-5-8,0-2-0]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.04 7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.08 7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.49	Horz(CT)	0.02 6	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MSH					Weight: 76 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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.

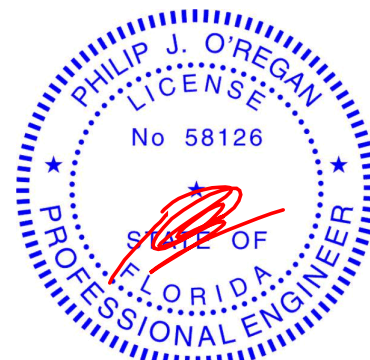
TOP CHORD 2-3=-1362/193, 3-4=-1151/189, 4-5=-1151/189, 5-6=-798/151
BOT CHORD 2-8=-201/1122, 7-8=-200/1138
WEBS 3-8=0/369, 4-7=-464/197, 5-7=-189/1292

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate at joint(s) 6.
- 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.
- 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 6-9=-20



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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Continued on page 2

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



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T25901794
2935497	G05	Half Hip Girder	1	1	Job Reference (optional)

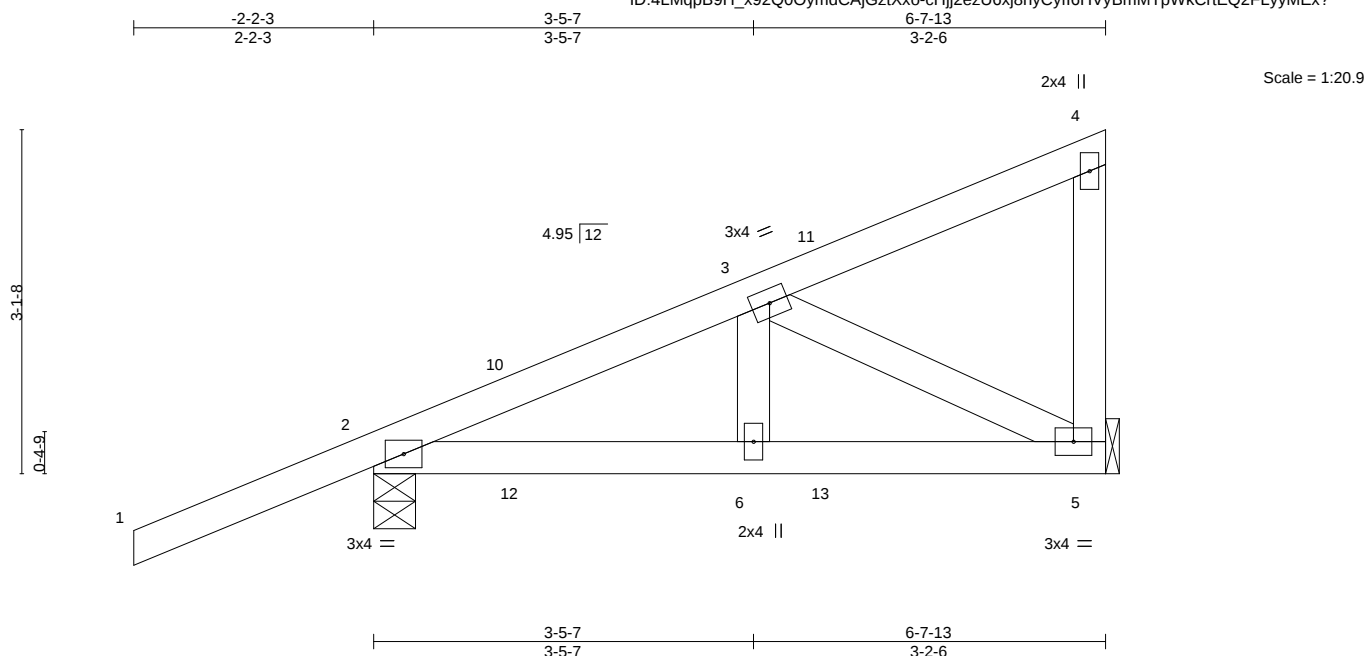
LOAD CASE(S)
Standard
Concentrated Loads (lb)
Vert: 3=-55(F) 8=-206(F) 12=-55(F) 13=-55(F) 14=-55(F) 15=-55(F) 16=-33(F) 17=-33(F) 18=-33(F) 19=-33(F)



Job	Truss	Truss Type	Qty	Ply	
2935497	H5B	Diagonal Hip Girder	1	1	T25901795
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:34 2021 Page 1
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-cHjj2ezU6xj8hyCyfl6HVyBmMTpWkCrtEQ2FLyyMEx?



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 0.32	Vert(LL)	-0.02	6-9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.27	Vert(CT)	0.02	6-9	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.07	Horz(CT)	0.00	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						
Weight: 34 lb									FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 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.
- 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 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)



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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November 8, 2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901796
2935497	H5C	Diagonal Hip Girder	1	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 12:45:35 2021 Page 1
ID:4LMqpB9H_x92Q0OymdCAjGztXxo-4TH5Gz_6tFr?J6n8D?dW29kx6tBPTfN1T4nouOyMEx_



Scale = 1:20.8

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 0.32	Vert(LL)	0.01 11-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.17	Vert(CT)	-0.02 11-14	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.12	Horz(CT)	-0.00 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 41 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
10-0-0 oc bracing: 8-10

REACTIONS.

(size) 5=Mechanical, 2=0-4-9, 7=Mechanical
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.

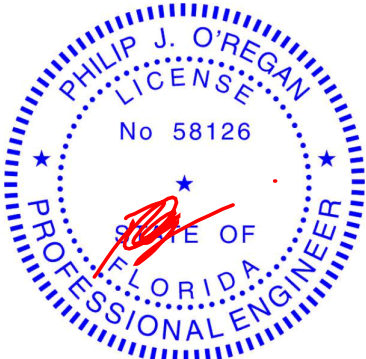
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-379/0
BOT CHORD 2-11=0/290
WEBS 8-11=0/306, 4-7=-319/31

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 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
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November 8,2021

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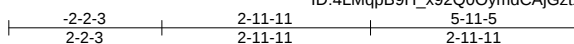
Job	Truss	Truss Type	Qty	Ply	T25901797
2935497	H5G	Diagonal Hip Girder	2	1	

Builders FirstSource (Lady Lake, FL),

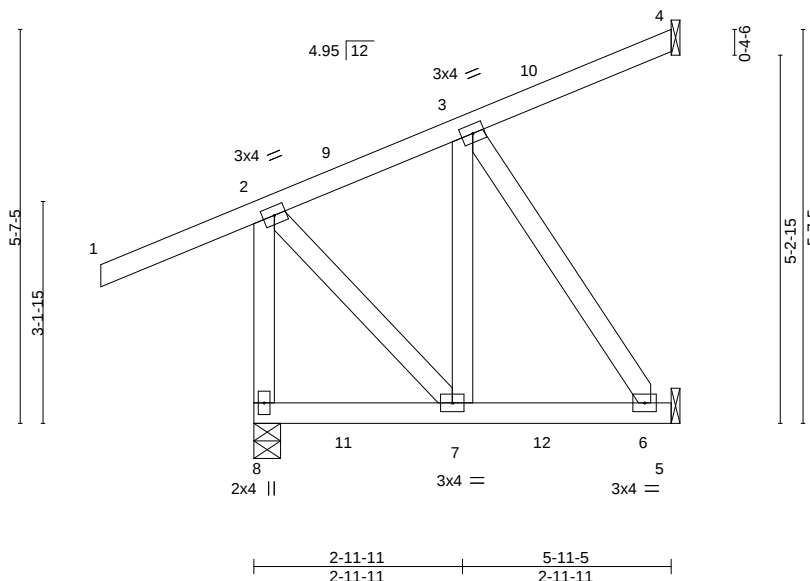
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:36 2021 Page 1

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Scale = 1:32.8



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 0.57	Vert(LL)	0.02	7-8	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	0.02	7-8	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.14	Horz(CT)	-0.01	4	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 44 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=0-4-9, 4=Mechanical, 5=Mechanical
Max Horz 8=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.

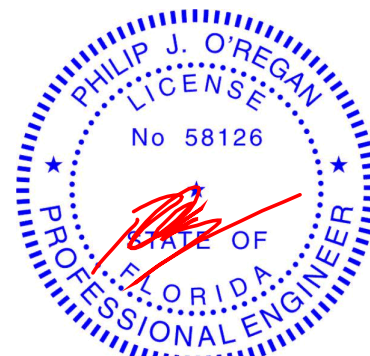
TOP CHORD 2-8=-414/370
WEBS 2-7=-309/365, 3-7=-337/239, 3-6=-310/402

NOTES-

- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 8=520, 5=345.
- 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 9=80(F=40, B=40) 12=-1(F=-0, B=-0)



Philip J. O'Regan PE No.58126
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November 8, 2021

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



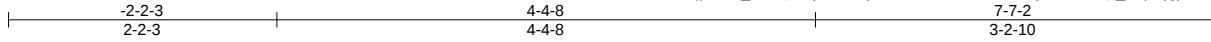
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	H5P	Diagonal Hip Girder	2	1	T25901798

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:37 2021 Page 1

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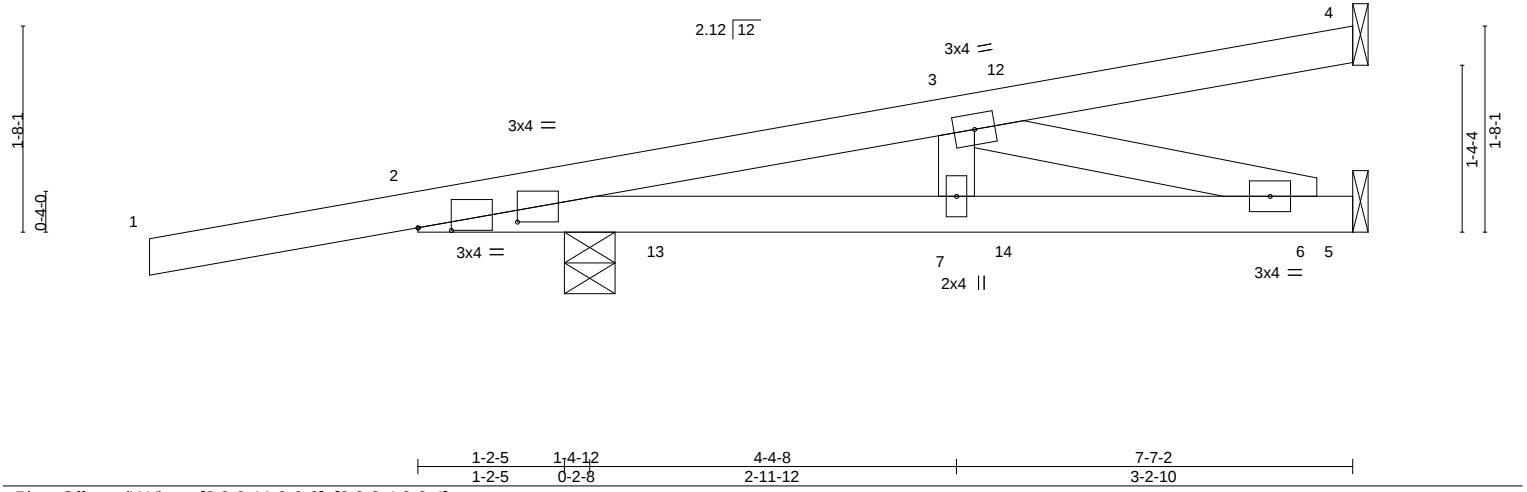


Plate Offsets (X,Y)--	[2:0-9-11,0-0-9], [2:0-3-4,0-0-4]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	-0.05 8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.82	Vert(CT)	-0.07 8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.13	Horz(CT)	-0.01 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 31 lb	FT = 20%

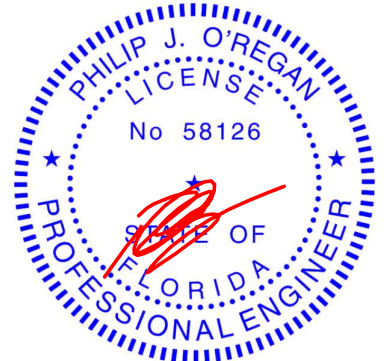
LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	

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
WEBS	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.
 - 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, 5 except (jt=lb) 2=387.
 - 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)	



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 8, 2021

Job	Truss	Truss Type	Qty	Ply	
2935497	H7A	Diagonal Hip Girder	1	1	T25901799

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 1

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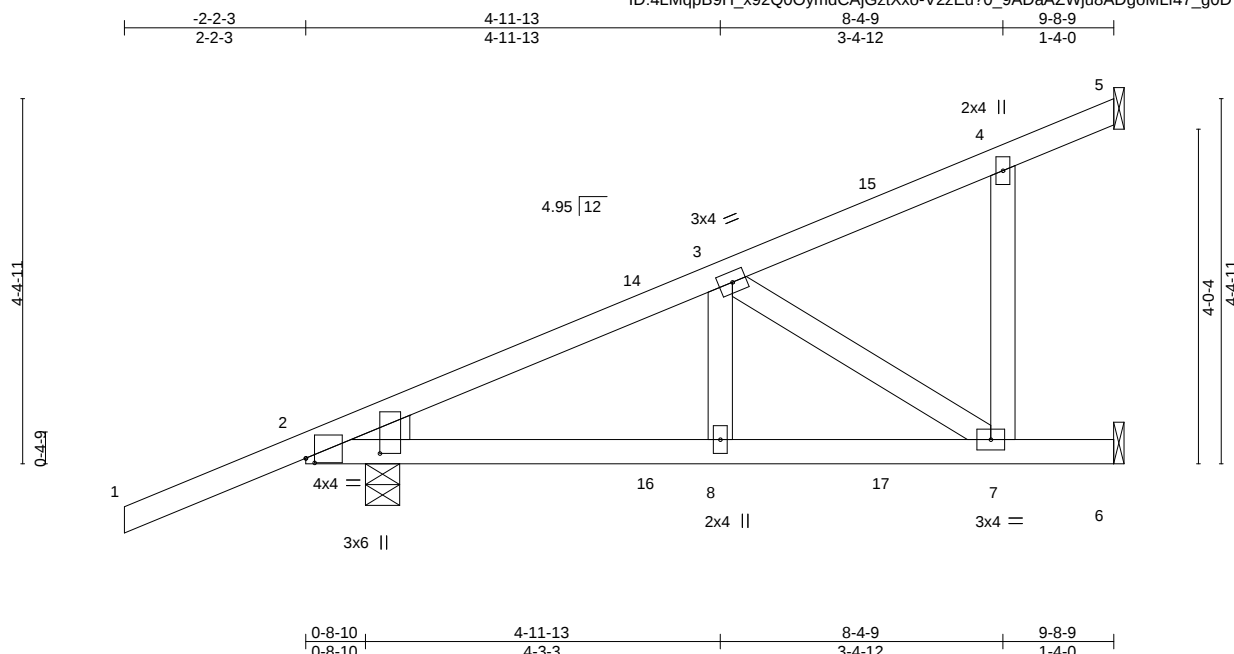


Plate Offsets (X,Y)-- [2:0-1-4,0-0-10], [2:0-0-11,0-10-11]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	0.11	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.13	7-8	>870	180		
BCLL	0.0 *	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
Left: 2x4 SP No.3

BRACING-

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

REACTIONS.

(size) 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) 2=305.
- 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
Date:

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901799
2935497	H7A	Diagonal Hip Girder	1	1	Job Reference (optional)

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	Ply	
2935497	M01	Jack-Partial Girder	1	1	T25901800
Job Reference (optional)					

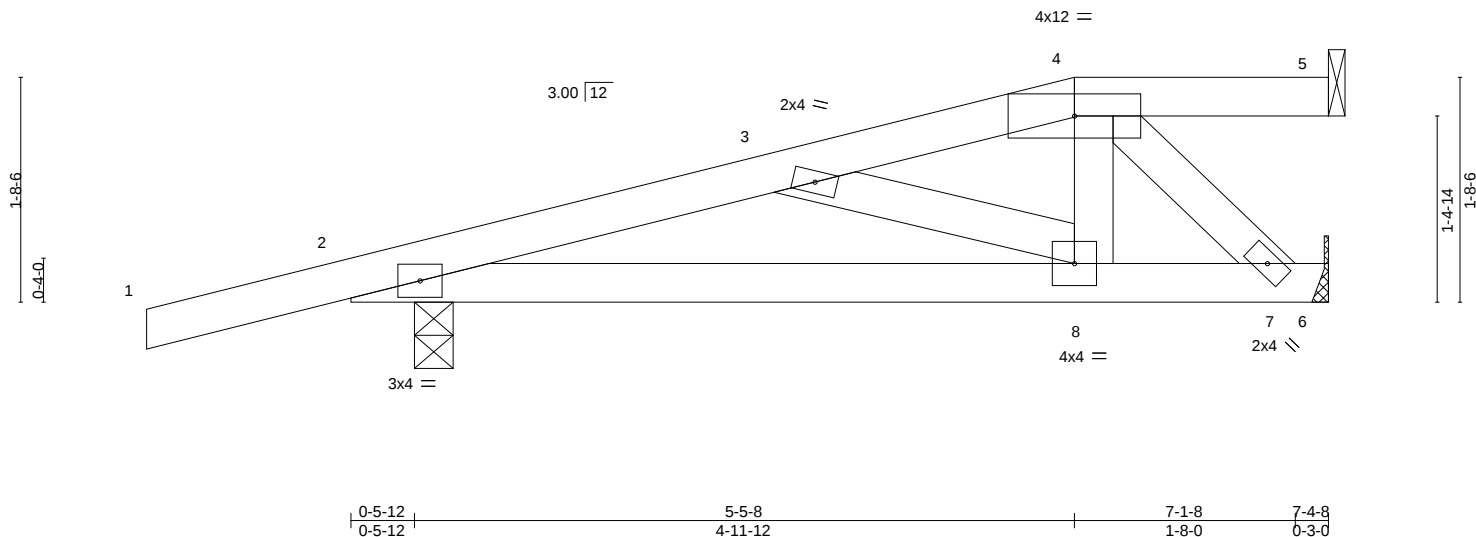
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:39 2021 Page 1

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Scale = 1:17.4



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.01 8-13 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.03 8-13 >999 180				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.00 6 n/a n/a				
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							
								Weight: 32 lb FT = 20%			

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 5=Mechanical, 6=Mechanical, 2=0-3-8
Max Horz 2=54(LC 32)
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.

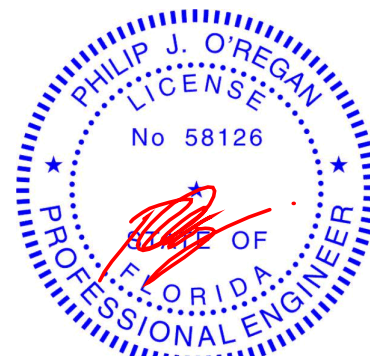
TOP CHORD 2-3=-491/171, 3-4=-326/141
BOT CHORD 2-8=-183/456, 7-8=-150/325
WEBS 4-8=-103/291, 4-7=-431/200

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 6=116, 2=182.
- 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

November 8, 2021

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

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	M02	Jack-Open	1	1	T25901801
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:40 2021 Page 1

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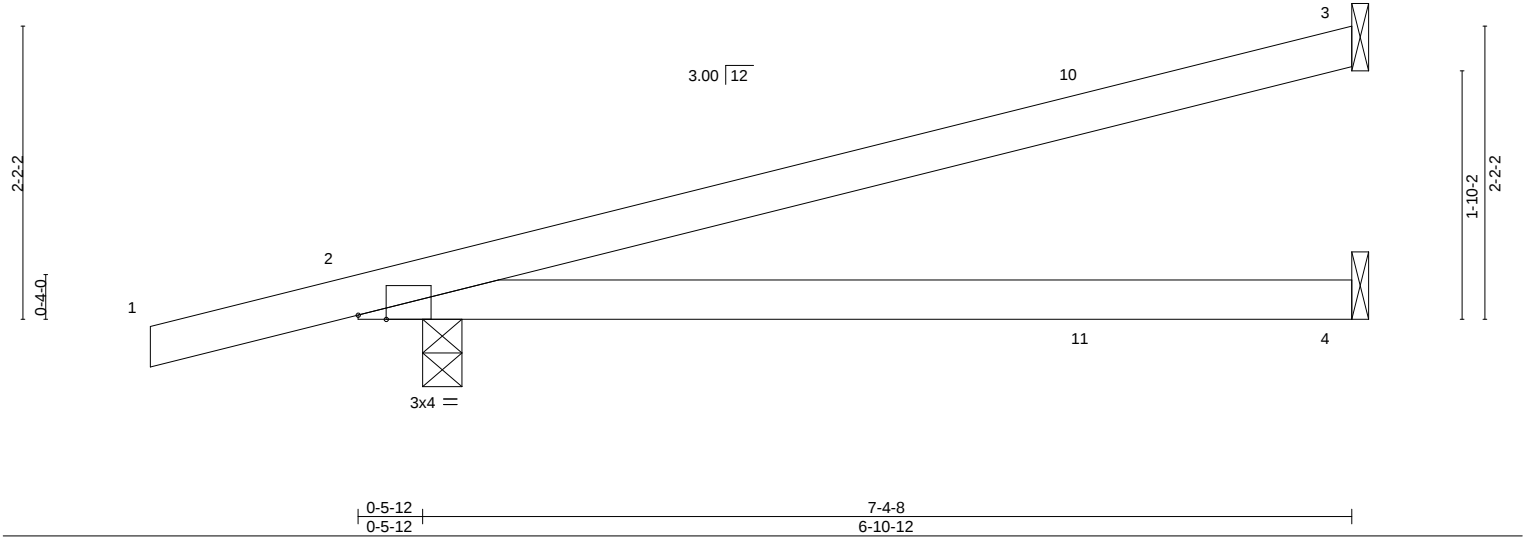


Plate Offsets (X,Y)--	[2:0-2-8,Edge]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66	Vert(LL)	0.31	4-9	>285	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.71	Vert(CT)	0.25	4-9	>354	180	GRIP
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.02	3	n/a	n/a	244/190
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 25 lb
									FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

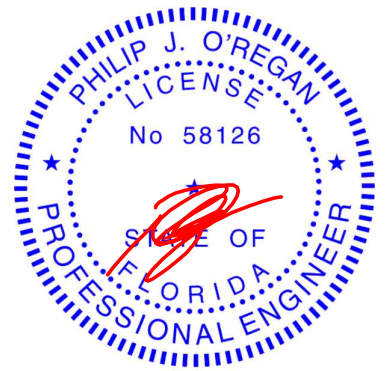
REACTIONS.

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



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

November 8, 2021

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

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

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



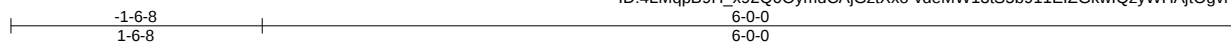
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	M03	Jack-Closed	5	1	T25901802
Job Reference (optional)					

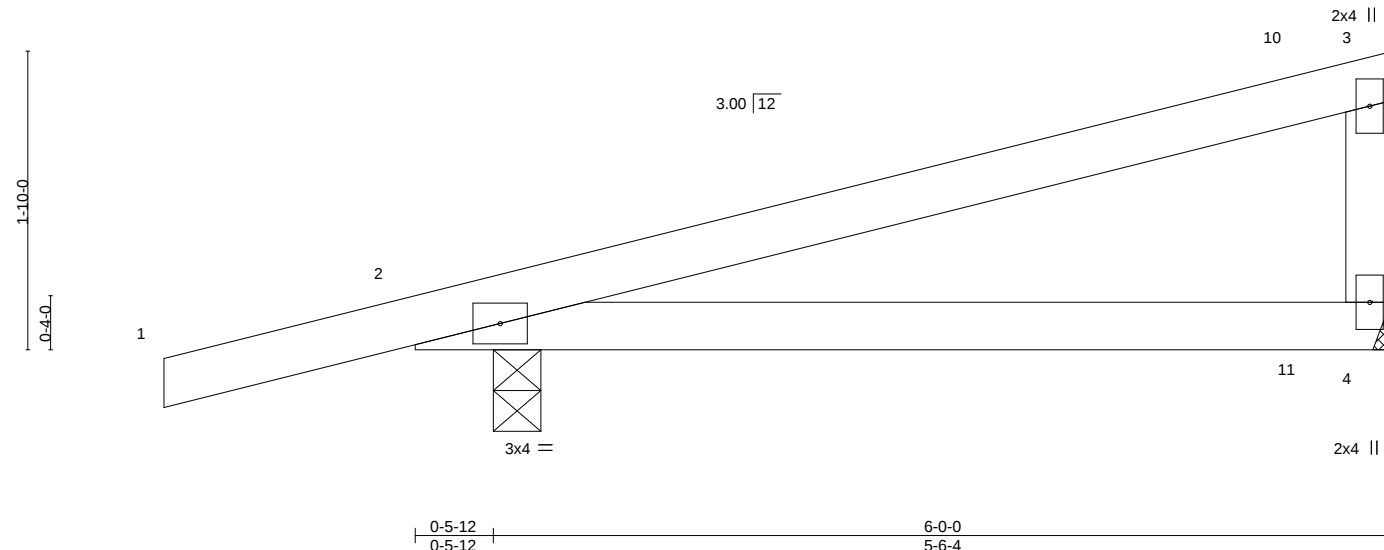
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:41 2021 Page 1

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Scale = 1:14.1



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.12 4-9 >593 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	0.10 4-9 >728 180				
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-AS							
								Weight: 22 lb FT = 20%			

LUMBER-

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

BRACING-

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

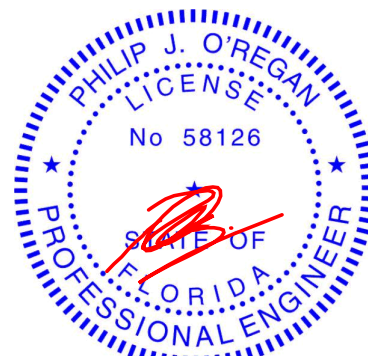
REACTIONS.

(size) 4=Mechanical, 2=0-3-8
Max Horz 2=52(LC 11)
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.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

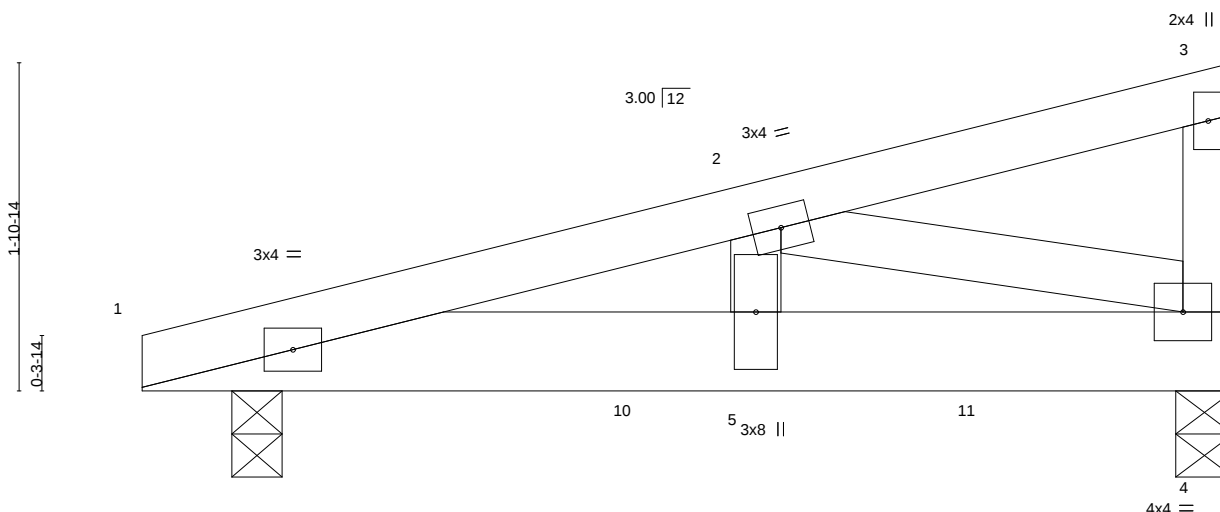
Job	Truss	Truss Type	Qty	Ply	
2935497	M04	Monopitch Girder	1	2	T25901803

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:42 2021 Page 1

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3-6-12	6-4-0
3-6-12	2-9-4



Scale = 1:13.4

0-6-4	3-6-12	6-4-0
0-6-4	3-0-8	2-9-4

LOADING (psf)	SPACING-		CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.08		Vert(LL)	-0.01	5	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.38		Vert(CT)	-0.02	5	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.18		Horz(CT)	0.01	4	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP							
									Weight: 61 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 4=0-4-0, 1=0-3-8
Max Horz 1=48(LC 18)
Max Uplift 4=374(LC 8), 1=564(LC 8)
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-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=374, 1=564.
- 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

- 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
Date:

November 8, 2021

Continued on page 2

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901803
2935497	M04	Monopitch Girder	1	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 12:45:42 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	Ply	
2935497	M05	Jack-Partial Girder	1	1	T25901804

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:43 2021 Page 1

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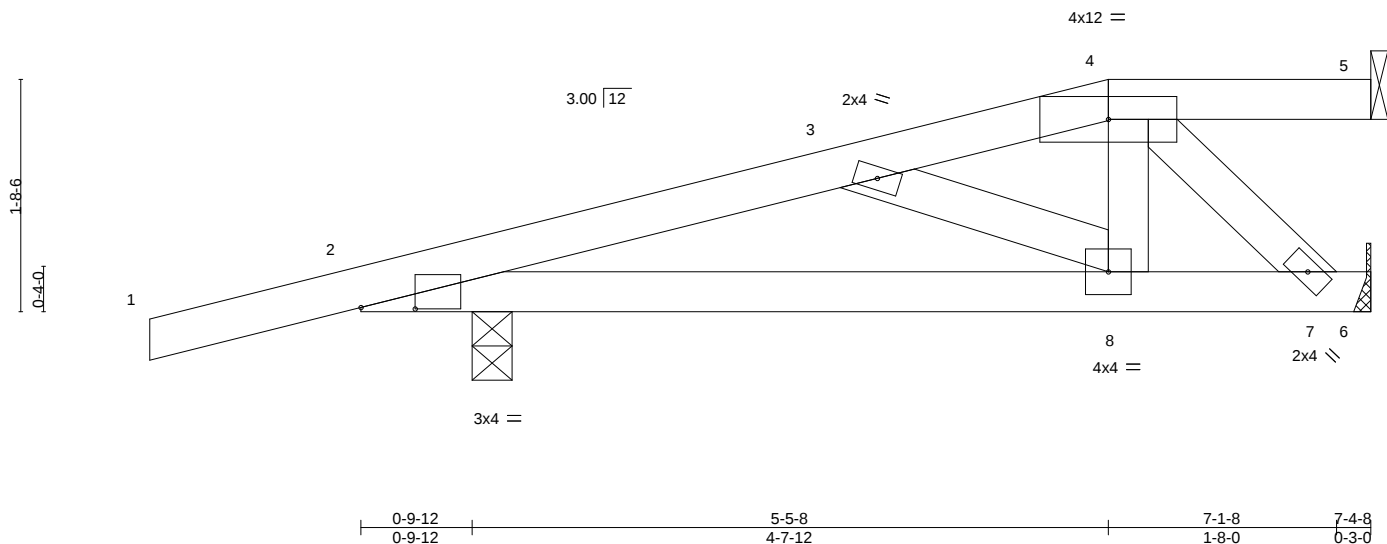


Plate Offsets (X,Y)--	[2:0-4-12,0-0-2]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.01 9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.30	Vert(CT)	-0.02 8-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.09	Horz(CT)	-0.00 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP					Weight: 32 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 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.

TOP CHORD 2-3=-335/130, 3-4=-262/128
BOT CHORD 2-8=-135/290, 7-8=-137/278
WEBS 4-7=-369/181

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=195, 6=107.
- 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 6-9=-20



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

November 8, 2021

Continued on page 2

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901804
2935497	M05	Jack-Partial Girder	1	1	Job Reference (optional)

LOAD CASE(S) Standard
 Concentrated Loads (lb)
 Vert: 8=-32(B) 4=-54(B)

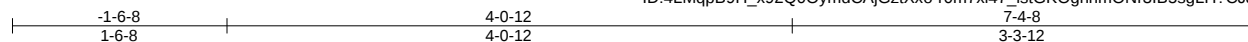


Job	Truss	Truss Type	Qty	Ply	
2935497	M06	Jack-Closed Girder	1	1	T25901805
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:43 2021 Page 1

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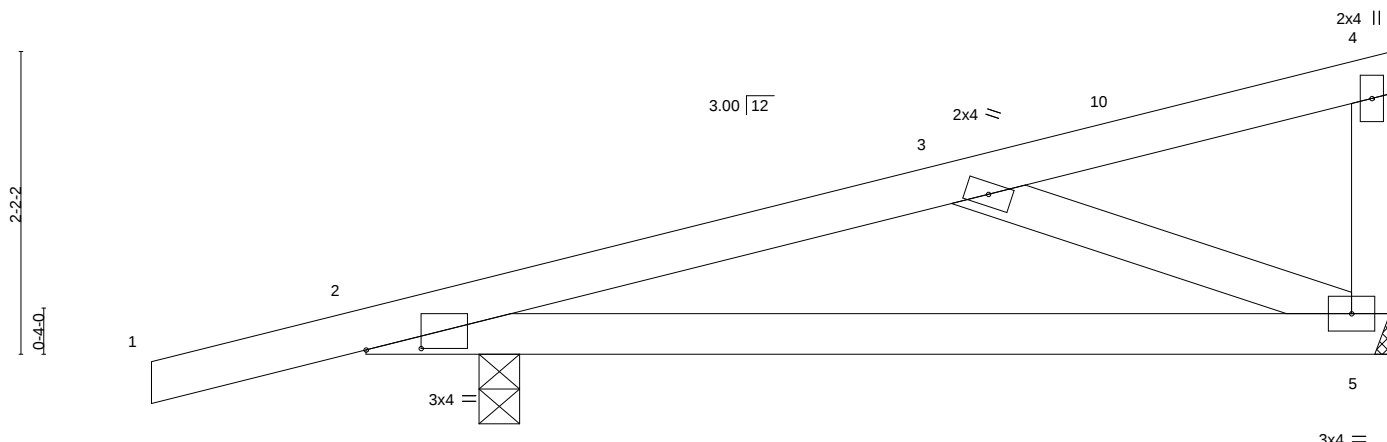


Plate Offsets (X,Y)--	[2:0-4-12,0-0-2]	0-9-12	0-9-12	7-4-8	6-6-12
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.38	Vert(LL)	-0.05	5-9	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.40	Vert(CT)	-0.10	5-9	>859	180	244/190
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.08	Horz(CT)	0.00	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
									Weight: 32 lb FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

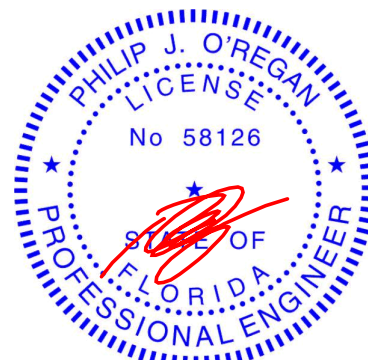
(size) 2=0-3-8, 5=Mechanical
Max Horz 2=63(LC 11)
Max Uplift 2=-97(LC 12), 5=-9(LC 12)
Max Grav 2=415(LC 1), 5=204(LC 1)

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
WEBS 3-5=-252/252

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 7-2-12 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
- 7) This truss 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
Date:

November 8, 2021

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



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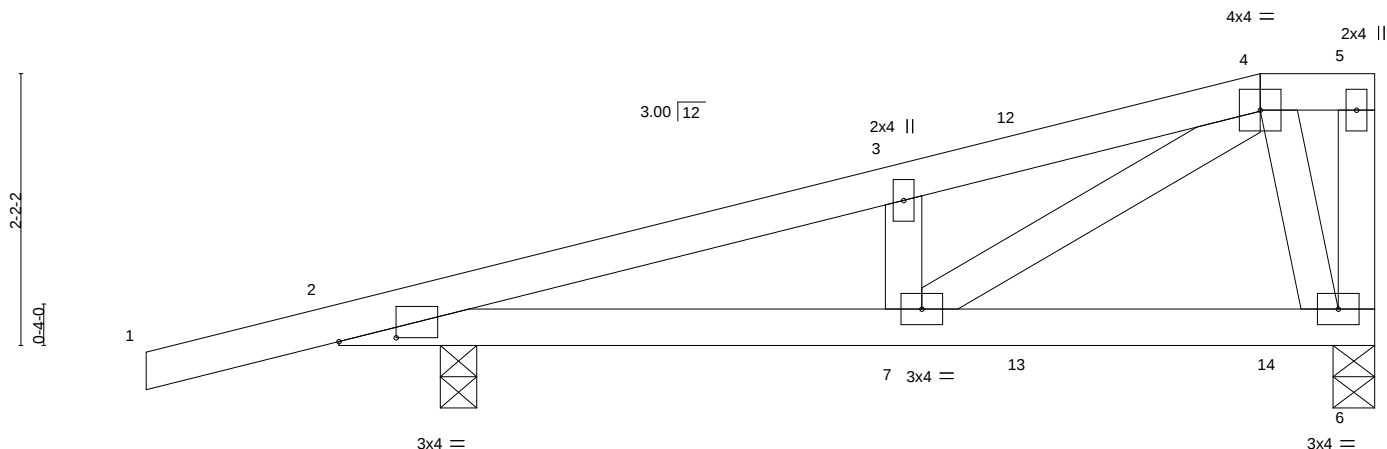
Job	Truss	Truss Type	Qty	Ply	
2935497	M08	Roof Special Girder	1	1	T25901806
Job Reference (optional)					

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:44 2021 Page 1
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Scale = 1:18.4



	0-9-12	4-6-4	8-3-8
	0-9-12	3-8-8	3-9-4

Plate Offsets (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	20.0	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	10.0	Code FBC2020/TPI2014				Matrix-MP							Weight: 38 lb	FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 6=0-4-0, 2=0-3-8
Max Horz 2=64(LC 24)
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.

TOP CHORD 2-3=-680/234, 3-4=-652/248
BOT CHORD 2-7=-207/620
WEBS 4-7=-223/603, 4-6=-307/111

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=152, 2=228.
- 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

November 8, 2021

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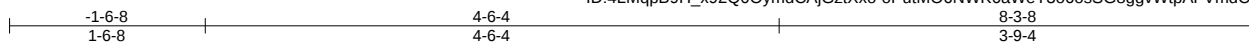
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	M09	Monopitch	17	1	T25901807

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:45 2021 Page 1

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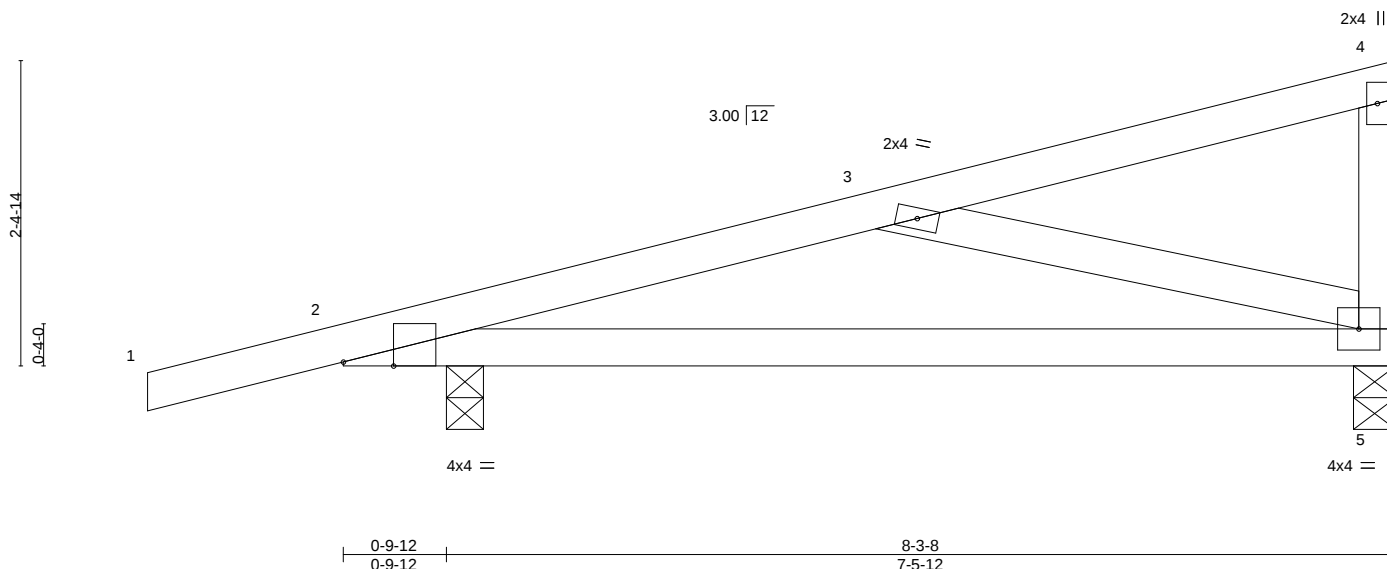


Plate Offsets (X,Y)--		[2:0-4-12,Edge]															
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES		GRIP			
TCLL	20.0	Plate Grip DOL		1.25		TC 0.25		Vert(LL)		0.20 5-9 >484		240		MT20		244/190	
TCDL	7.0	Lumber DOL		1.25		BC 0.54		Vert(CT)		-0.17 5-9 >565		180					
BCLL	0.0 *	Rep Stress Incr		YES		WB 0.15		Horz(CT)		-0.00 5 n/a		n/a					
BCDL	10.0	Code FBC2020/TPI2014				Matrix-AS								Weight: 36 lb		FT = 20%	

LUMBER-

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

BRACING-

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

REACTIONS.

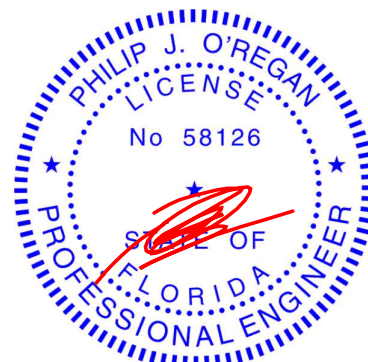
(size) 5=0-4-0, 2=0-3-8
Max Horz 2=70(LC 11)
Max Uplift 5=-85(LC 12), 2=-190(LC 12)
Max Grav 5=241(LC 1), 2=445(LC 1)

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
WEBS 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.
- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=190.
- 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.



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

November 8, 2021

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



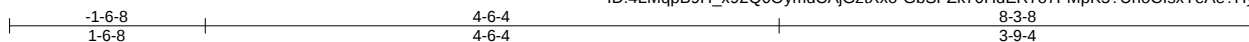
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901808
2935497	M10	Monopitch	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:46 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-GbSFZk70HdER7o7FMpK5?UhoCIsxYeAe?HytmGyMEwp



Scale = 1:18.2

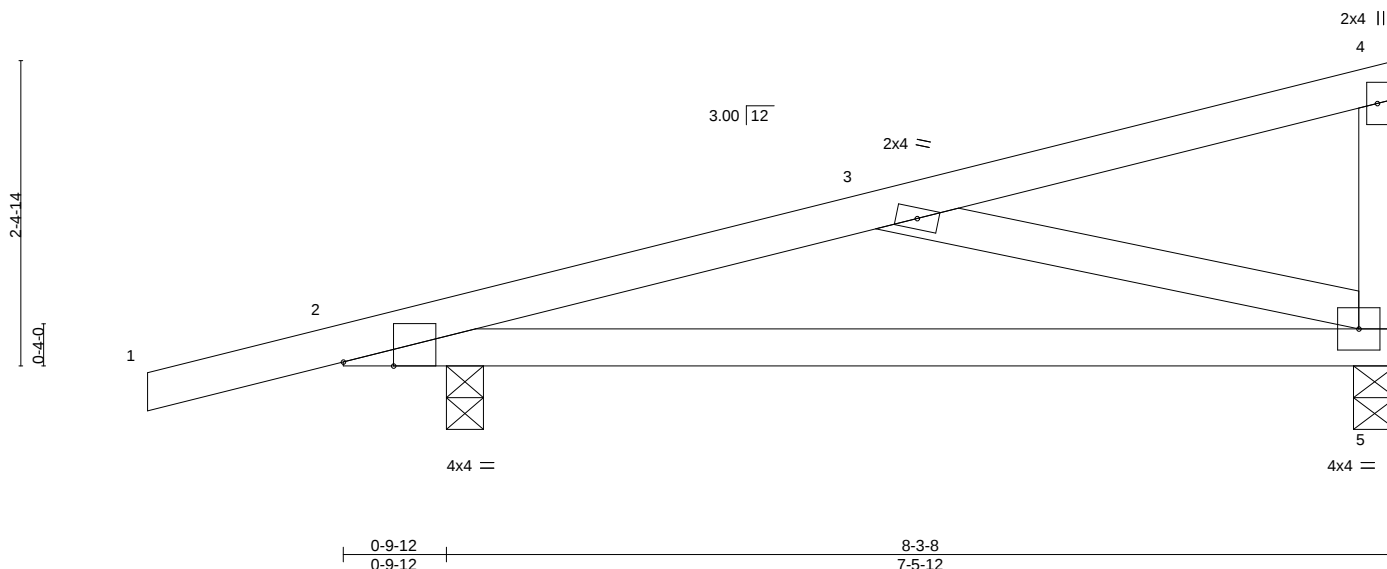


Plate Offsets (X,Y)--		[2:0-4-12,Edge]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.39		Vert(LL)	-0.09 5-9	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.49		Vert(CT)	-0.17 5-9	>565	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.11		Horz(CT)	0.00 5	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-AS						Weight: 36 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

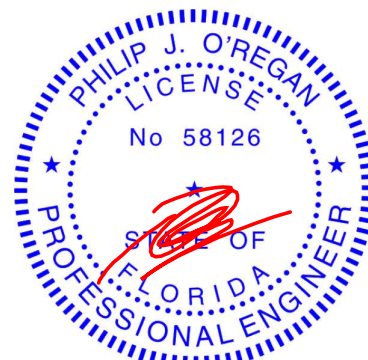
(size) 5=0-4-0, 2=0-3-8
Max Horz 2=70(LC 11)
Max Uplift 5=-14(LC 12), 2=-98(LC 12)
Max Grav 5=241(LC 1), 2=445(LC 1)

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
WEBS 3-5=-348/290

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; 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) 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.



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

November 8, 2021

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

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901809
2935497	P0G	GABLE	2	1	

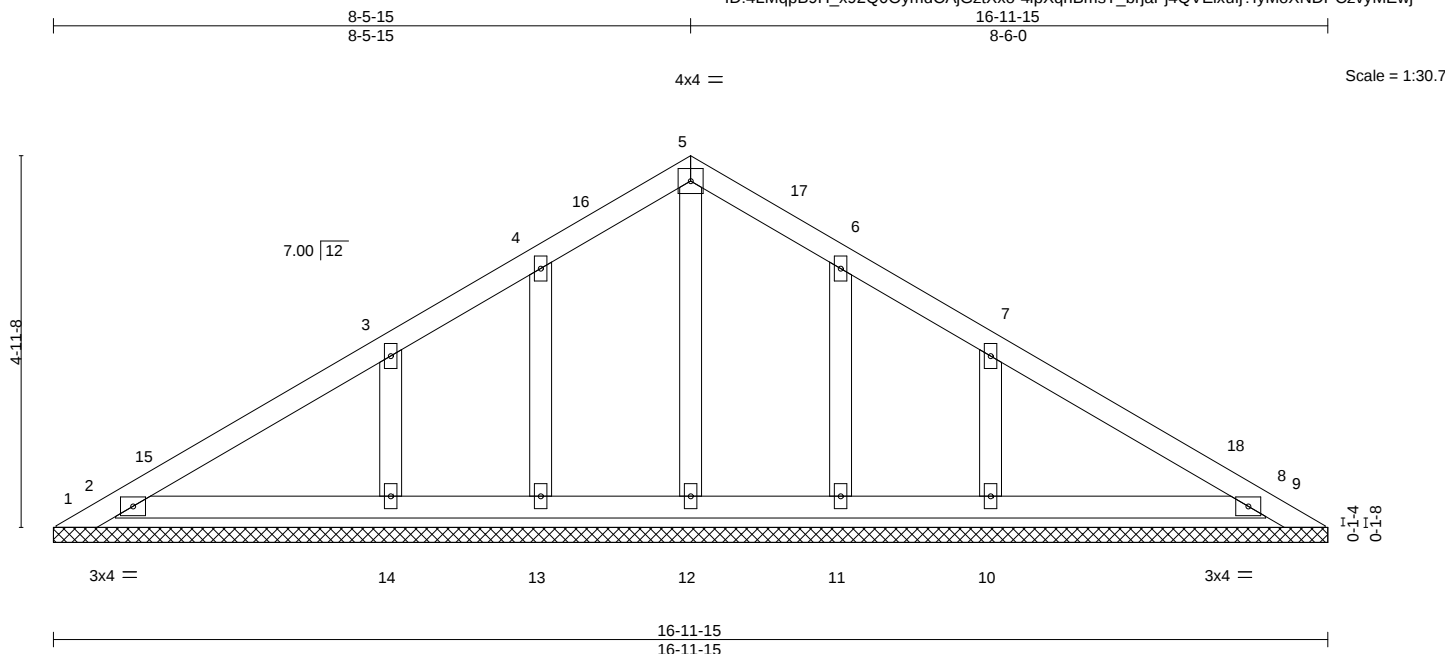
Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:52 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-4lpXqnBmsT_brjaPj4QVElxfuf?fyMoXNDPCzvyMEwj

Job Reference (optional)



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	n/a	-	n/a	999	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	8	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-S						
								Weight: 73 lb	FT = 20%

LUMBER-

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

BRACING-

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

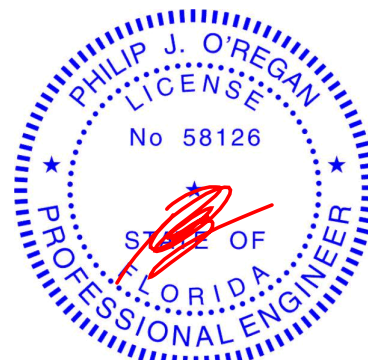
REACTIONS.

All bearings 16-11-15.
(lb) - 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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 13, 14, 11, 10 except (jt=lb) 1=149, 9=111.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

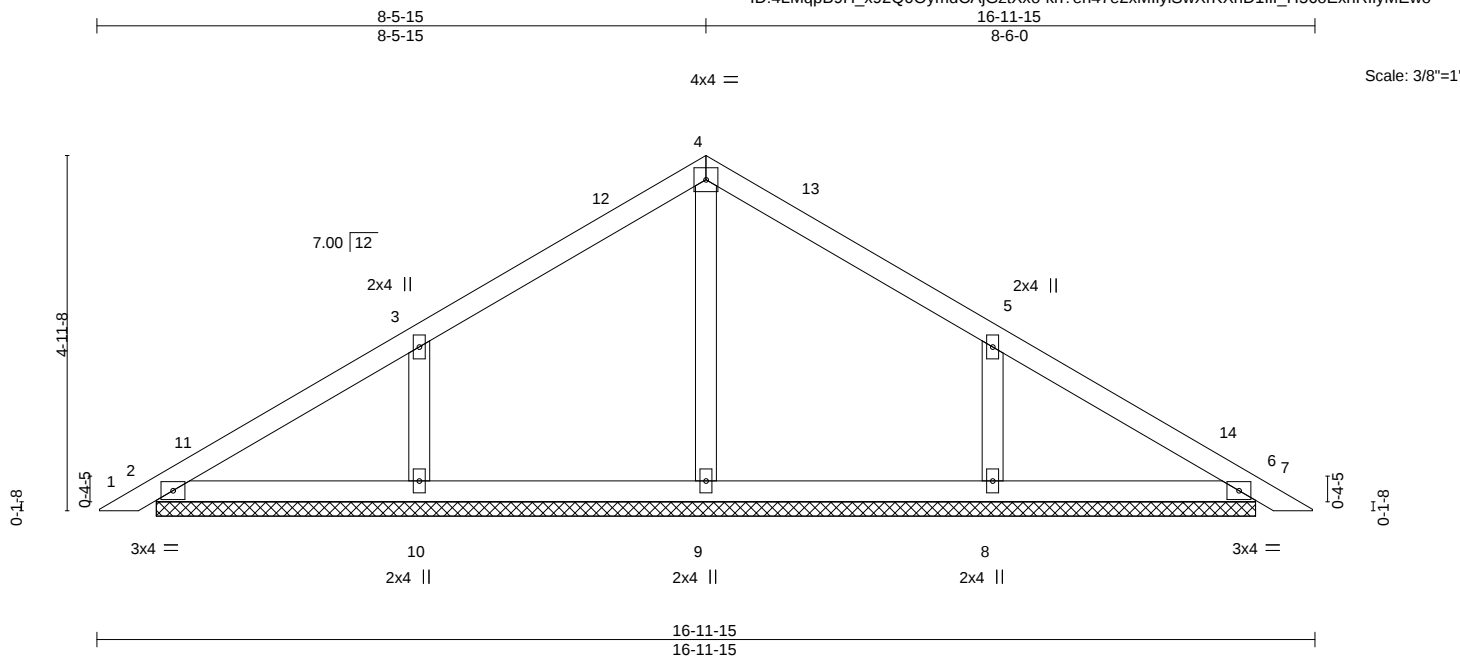
Job	Truss	Truss Type	Qty	Ply	
2935497	P01	Piggyback	5	1	T25901810

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:47 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-kn?en47e2xMllyiSwXrkXhD1lil_H56oExhRliyMEwo



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	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	0.00	7	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	6	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-S						Weight: 64 lb	FT = 20%

LUMBER-

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

BRACING-

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

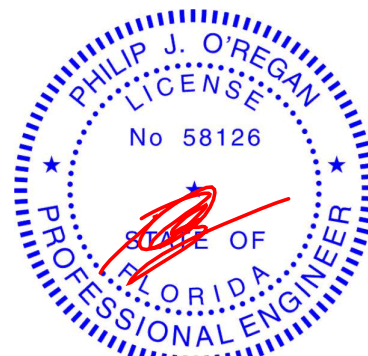
REACTIONS.

All bearings 15-4-1.
(lb) - 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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 8, 2021

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



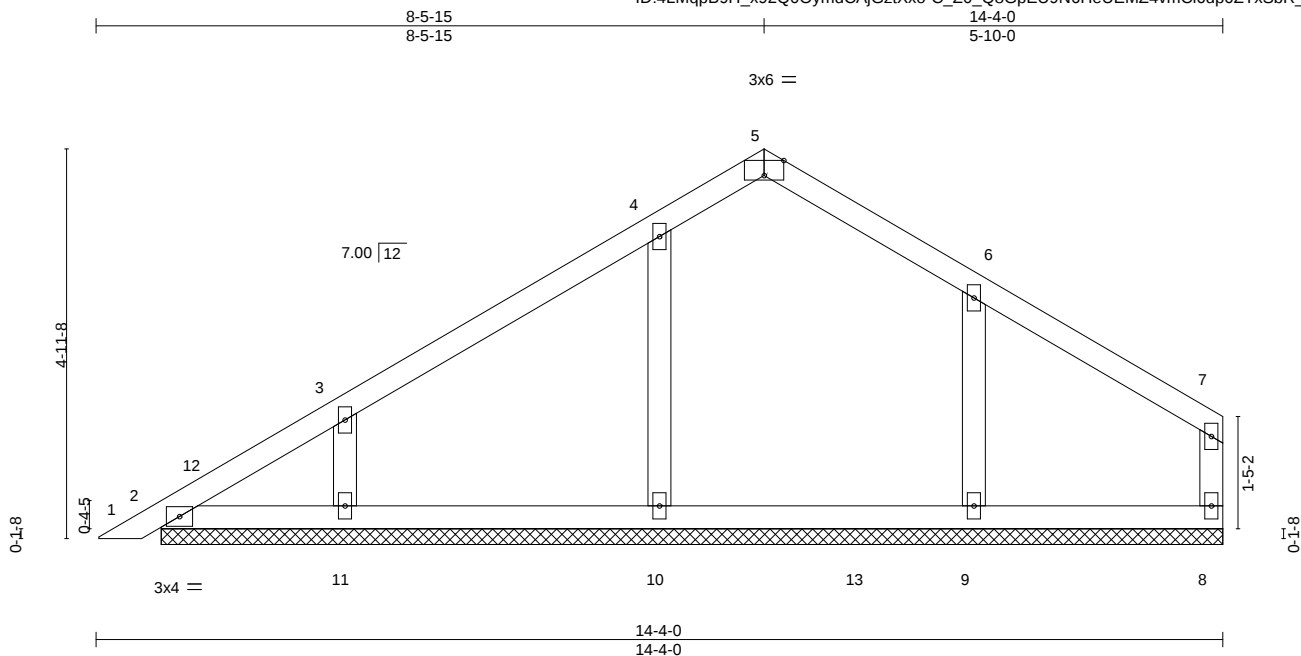
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901811
2935497	P02	Piggyback	8	1	

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

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ID:4LMqpB9H_x92Q0OymdCAjGztXxo-C_Z0_Q8GpEU9N6HeUEMZ4vmCl6dp0ZTxSbr_q8yMEwn



Scale = 1:29.3

Plate Offsets (X,Y)--		[5:0-3-0,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.13
TCDL 7.0	Lumber DOL	1.25	BC 0.14
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-S
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.00 1 n/r 120
			Vert(CT) 0.00 1 n/r 120
			Horz(CT) 0.00 8 n/a n/a
			PLATES
			MT20
			GRIP
			244/190
			Weight: 57 lb FT = 20%

LUMBER-

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

BRACING-

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

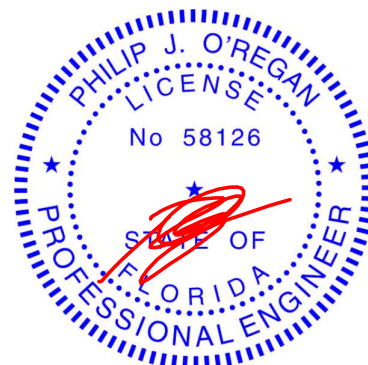
REACTIONS.

All bearings 13-6-1.
(lb) - Max Horz 2=117(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 8, 2, 11, 9
Max Grav 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.

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 2, 11, 9.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901812
2935497	P03	Piggyback	11	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:49 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-gA7OCm9uaYc0_Gsq1ytoc6JNFW_Ql0g4hFAYMayMEwm

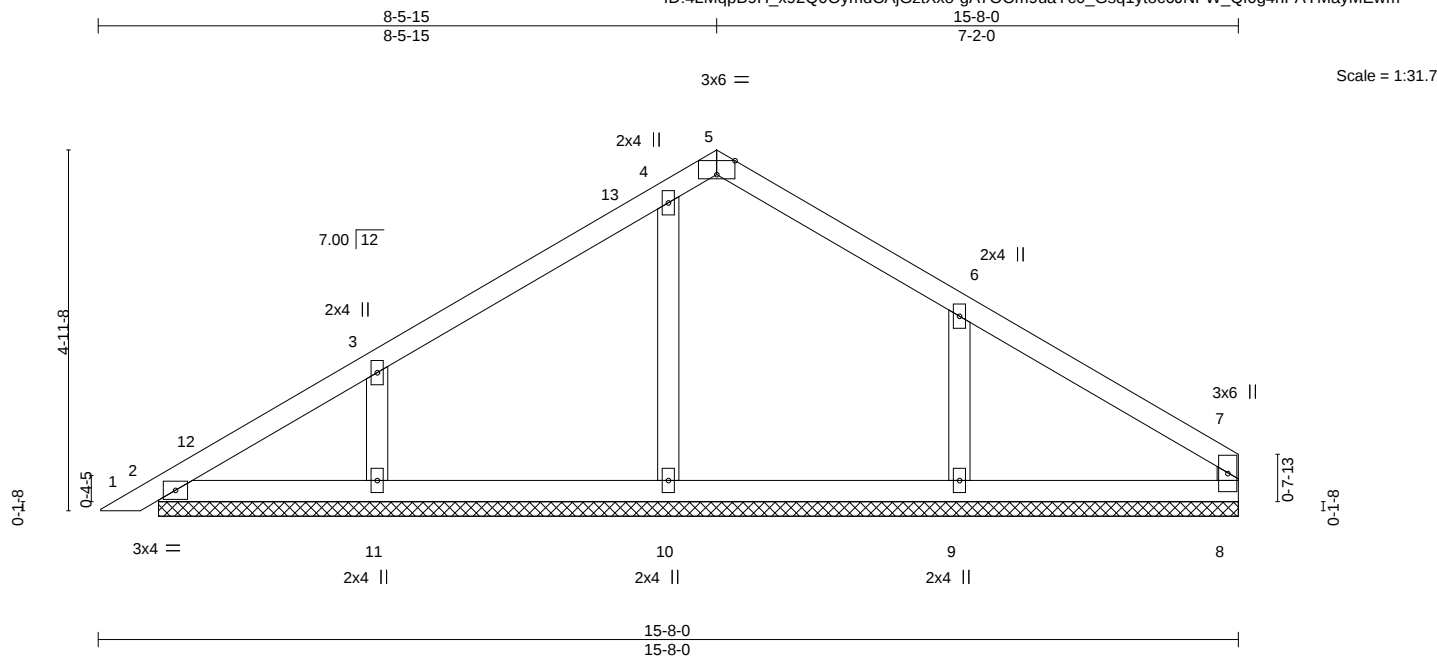


Plate Offsets (X,Y)-- [5:0-3-0,Edge]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	1	n/r	120	MT20 244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	0.00	1	n/r	120	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	8	n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 61 lb FT = 20%

LUMBER-

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

BRACING-

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

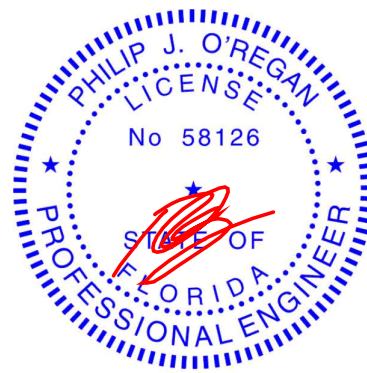
REACTIONS.

All bearings 14-10-0.
(lb) - Max Horz 2=107(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 9
Max Grav 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.

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(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.
- 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) 2, 11, 9.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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

November 8, 2021

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



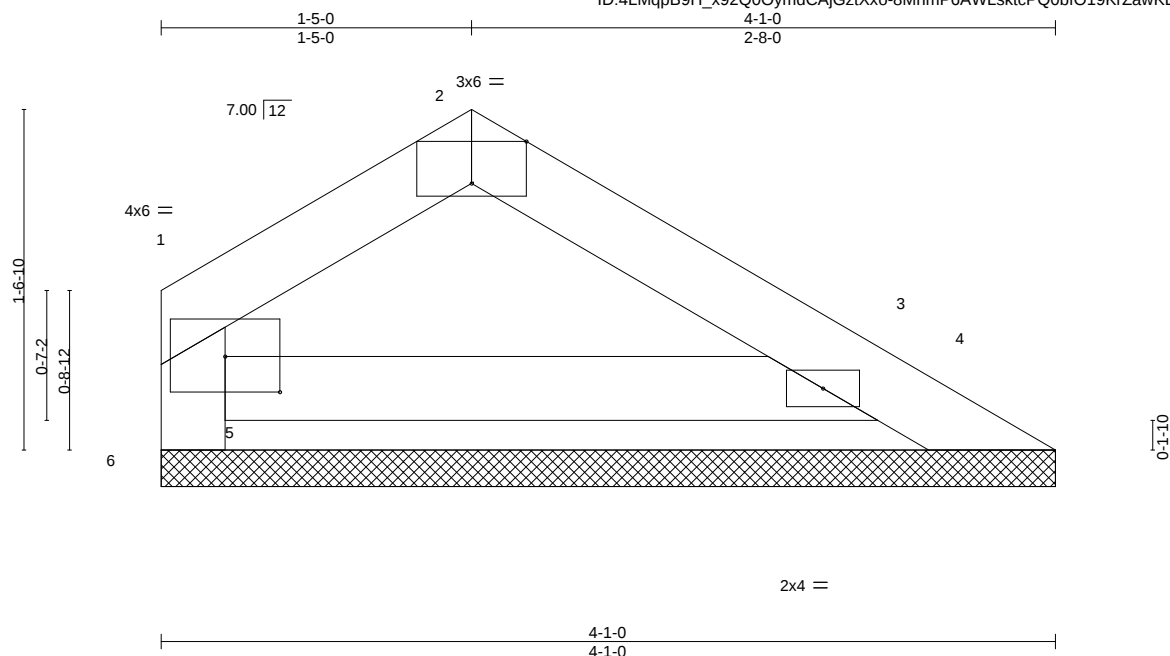
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901813
2935497	P06	Piggyback	1	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:50 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-8MhmP6AWLsktcPQ0bfO19KrZawKBUTvEwwv5v1yMEwl



Scale = 1:10.5

Plate Offsets (X,Y)--	[1:0-3-0,0-1-15], [2:0-3-0,Edge]								PLATES	GRIP
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	MT20	244/190
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	Vert(LL)	n/a	-	n/a	999		
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/TPI2014		Matrix-R						Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

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

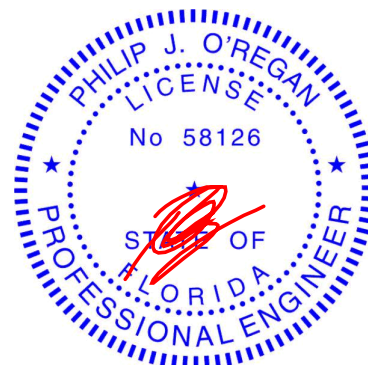
REACTIONS.

(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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5, 3.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
- Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



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

November 8, 2021

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

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



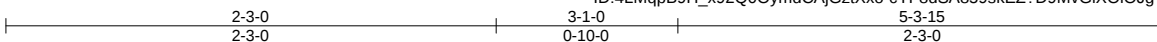
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901814
2935497	P07	Piggyback	1	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 12:45:51 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-cYF8dSA859skEZ?D9MvGiXOI0Jg?Dw9N8ZfeRTyMEwk



Scale = 1:10.6

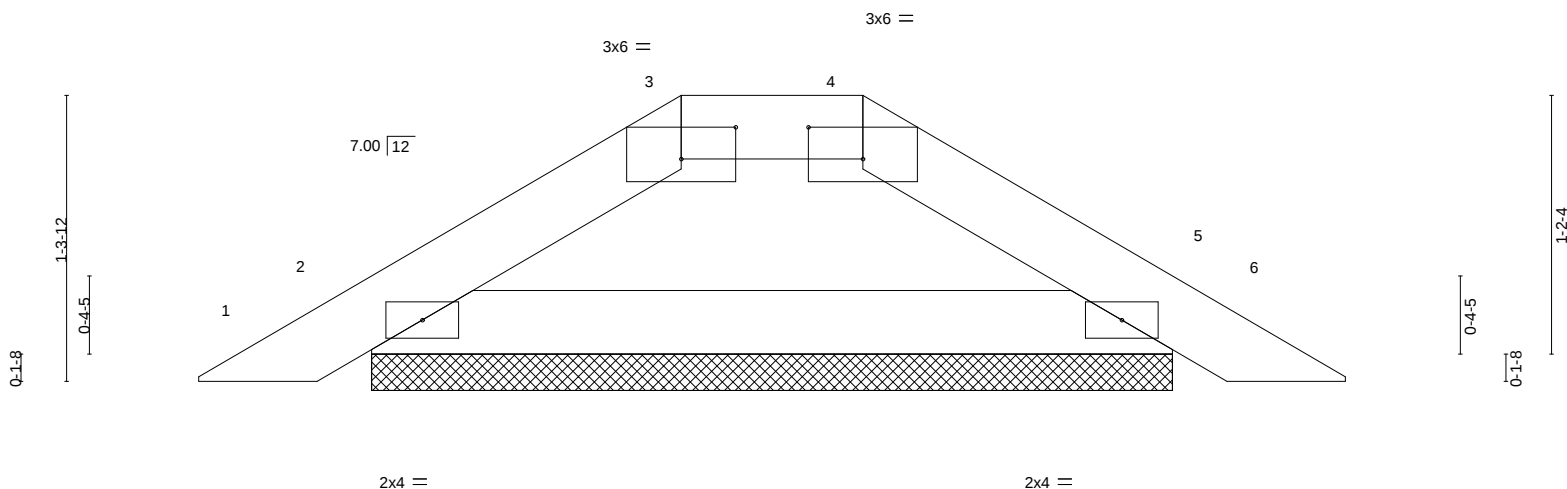


Plate Offsets (X,Y)--	[3:0-3-0,0-1-12], [4:0-3-0,0-1-12]
-----------------------	------------------------------------

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.04	Vert(LL)	0.00	5	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	0.00	6	n/r	120	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-R						
				Weight: 14 lb		FT = 20%			

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

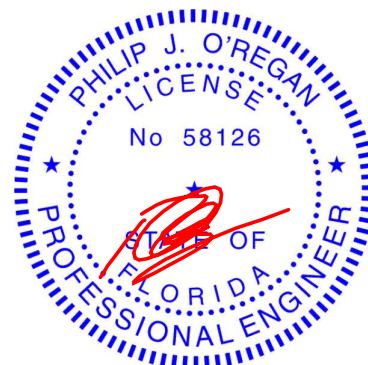
REACTIONS.

(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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901815
2935497	V01	Valley	3	1	

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:54 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-17xHFTD1O4EJ51koqVTzJA0ByXesQGpqrXuJ2oyMEwh

-0-6-8 2-4-0 4-8-0 5-2-8
0-6-8 2-4-0 2-4-0 0-6-8

Scale = 1:45.2

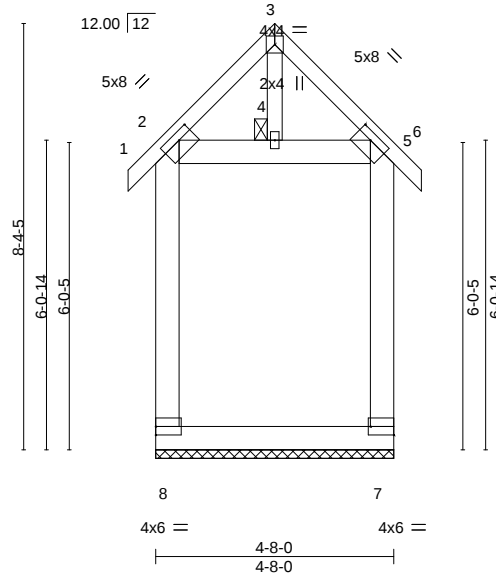


Plate Offsets (X,Y)--		[2:0-3-8,0-1-12], [5:0-3-8,0-1-12], [7:Edge,0-2-0]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34	Vert(LL)	-0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(CT)	-0.00	7	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-R					Weight: 62 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
2-5: 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x6 SP No.2
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.
JOINTS 1 Brace at Jt(s): 4

REACTIONS.

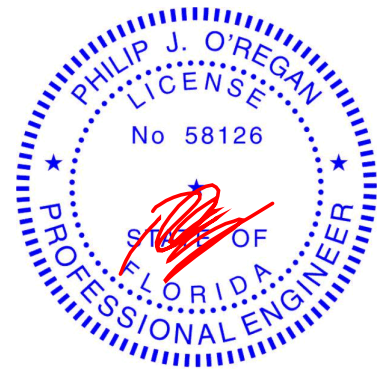
(size) 8=4-8-0, 7=4-8-0
Max Horz 8=261(LC 11)
Max Uplift 8=-162(LC 8), 7=-162(LC 9)
Max Grav 8=397(LC 18), 7=397(LC 17)

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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=162, 7=162.
- 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
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November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

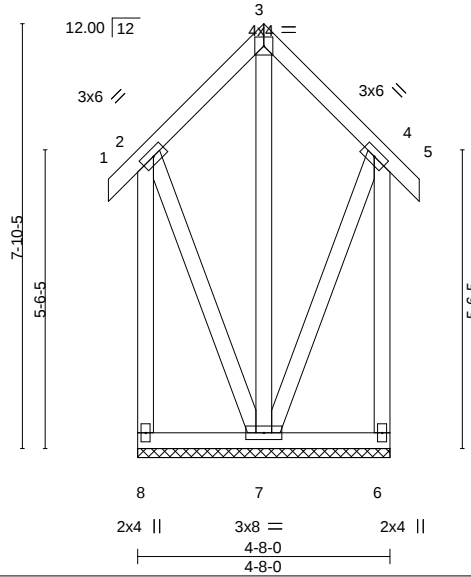
Job	Truss	Truss Type	Qty	Ply	T25901816
2935497	V02	Valley	3	1	Job Reference (optional)

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

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:45:56 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-zW21g9EHwiU0KKuAywVRPa5VxKOxu7K6lrNP6gyMEwf
 0-6-8 2-4-0 4-8-0 5-2-8
 0-6-8 2-4-0 2-4-0 0-6-8

Scale = 1:42.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.50	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.20	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 62 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

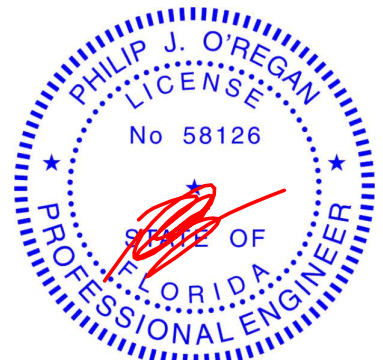
(size) 8=4-8-0, 6=4-8-0, 7=4-8-0
 Max Horz 8=244(LC 11)
 Max Uplift 8=146(LC 10), 6=146(LC 11), 7=58(LC 12)
 Max Grav 8=216(LC 11), 6=216(LC 10), 7=221(LC 1)

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
 WEBS 2-7=-309/398, 4-7=-309/333

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 8=146, 6=146.



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

November 8, 2021

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



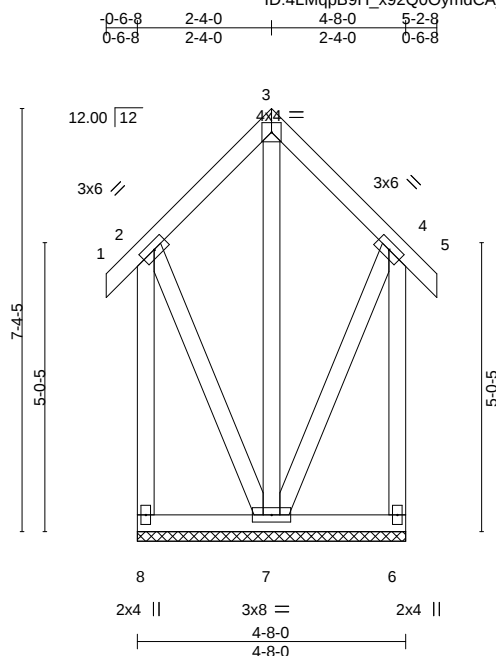
6904 Parke East Blvd.
 Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901817
2935497	V03	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 12:45:58 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-vvAo5rGXSJlkae2Z3LXvU?Br383SM2ZPI9sWBZyMEwd



Scale = 1:40.1

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40	Vert(LL)	0.00	5	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	0.00	5	n/r	120	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.15	Horz(CT)	-0.00	6	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P						
								Weight: 59 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

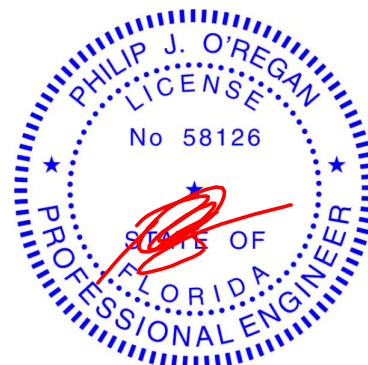
(size) 8=4-8-0, 6=4-8-0, 7=4-8-0
Max Horz 8=228(LC 11)
Max Uplift 8=-119(LC 10), 6=-119(LC 11), 7=-64(LC 12)
Max Grav 8=192(LC 18), 6=192(LC 17), 7=215(LC 1)

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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



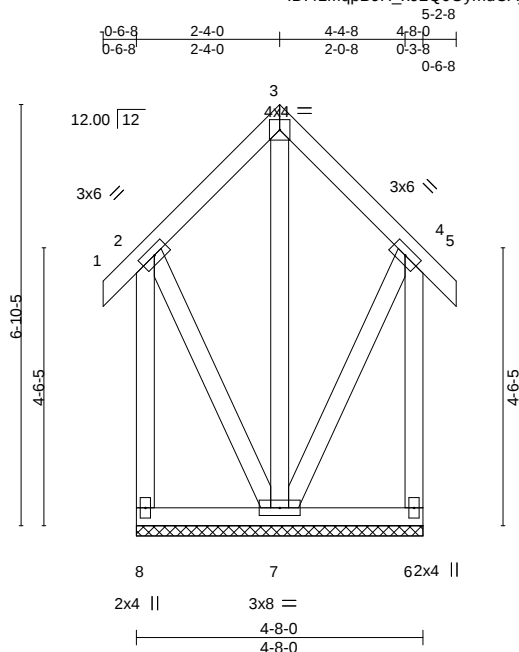
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901818
2935497	V04	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 12:45:59 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-N5kAlBH9DdtbBodld2380Dj2BYPi5WTZ_pb3j?yMEwc



Scale = 1:37.5

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.31	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 55 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

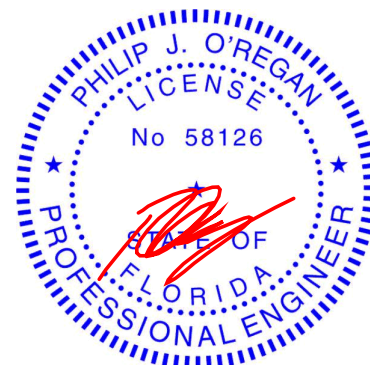
REACTIONS.

(size) 8=4-8-0, 6=4-8-0, 7=4-8-0
Max Horz 8=-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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6, 7.



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November 8, 2021

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901819
2935497	V05	Valley	3	1	Job Reference (optional)

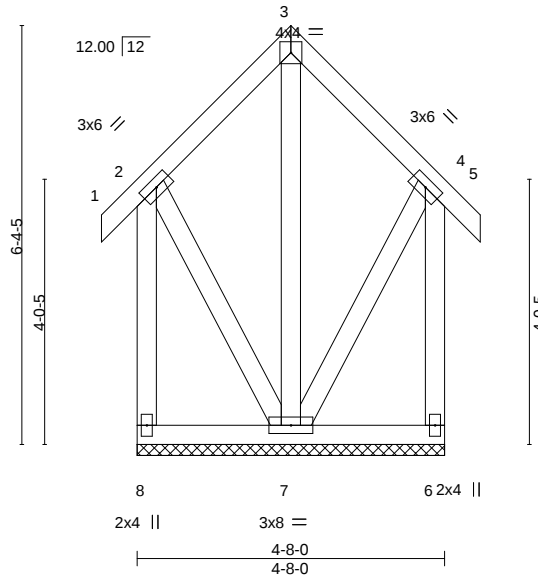
Builders FirstSource (Lady Lake, FL), Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:00 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-sHIYVXHo_w?SpyBxBlaNZQGE5x1qz4iDTLdFSyMEwb

0-6-8 2-4-0 4-8-0 5-2-8
0-6-8 2-4-0 2-4-0 0-6-8

Scale = 1:35.0



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 51 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

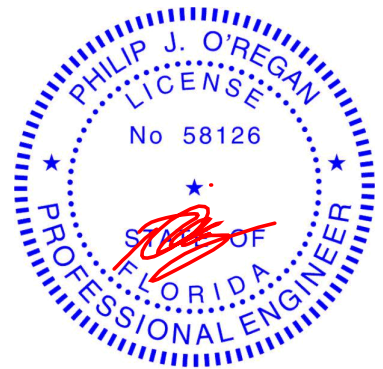
REACTIONS.

(size) 8=4-8-0, 6=4-8-0, 7=4-8-0
Max Horz 8=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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 6, 7.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	
2935497	V06	Valley	3	1	T25901820
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

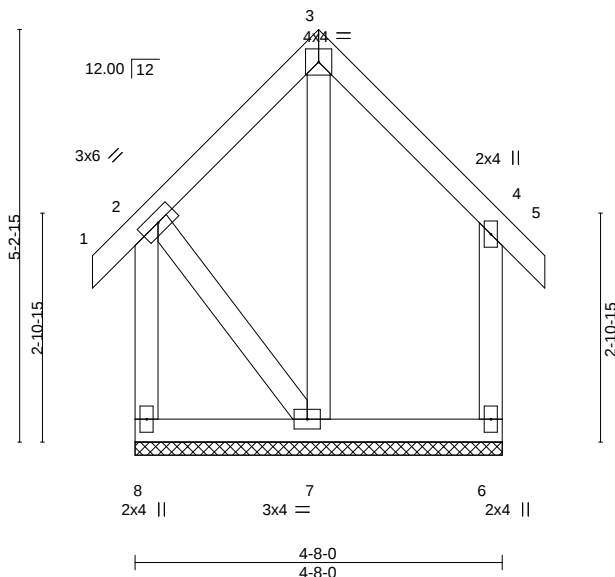
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:01 2021 Page 1

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0-6-8 2-4-0 4-8-0 5-2-8
0-6-8 2-4-0 2-4-0 0-6-8

Scale = 1:29.3



LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0		TC 0.16	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25		BC 0.05	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Lumber DOL 1.25		WB 0.08	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Rep Stress Incr YES		Matrix-P						
	Code FBC2020/TPI2014							Weight: 39 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

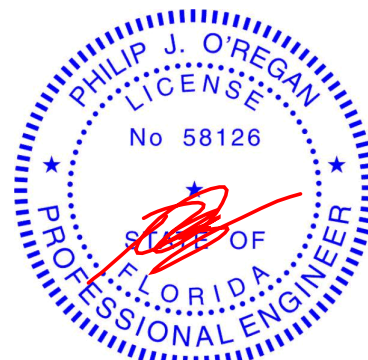
(size) 8=4-8-0, 6=4-8-0, 7=4-8-0
Max Horz 8=159(LC 11)
Max Uplift 8=-161(LC 8), 6=-133(LC 12), 7=-196(LC 11)
Max Grav 8=252(LC 18), 6=162(LC 18), 7=321(LC 10)

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.
- 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=161, 6=133, 7=196.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

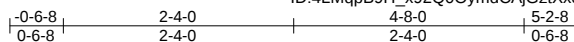
Job	Truss	Truss Type	Qty	Ply	T25901821
2935497	V07	Valley	3	1	Job Reference (optional)

Builders FirstSource (Lady Lake, FL),

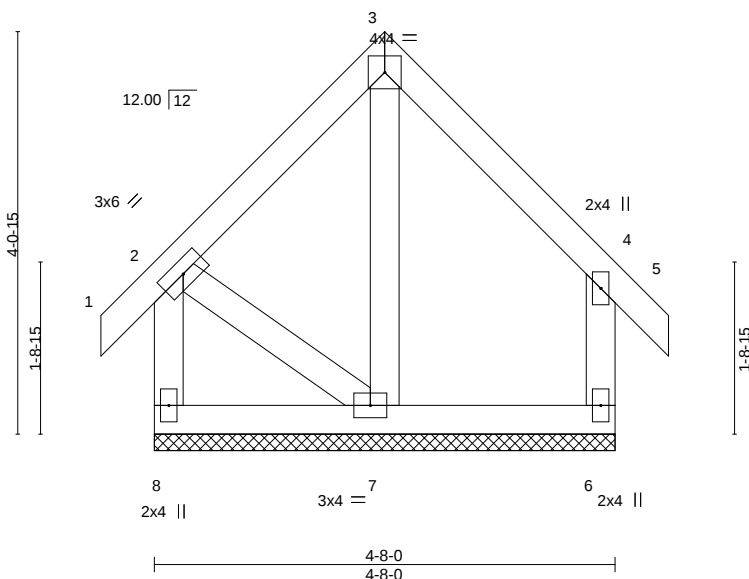
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:02 2021 Page 1

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Scale = 1:23.3



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 0.10	Vert(LL)	0.00	5	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	0.00	5	n/r		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	-0.00	6	n/a		
BCDL 10.0	Code FBC2020/TP12014		Matrix-P					Weight: 32 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

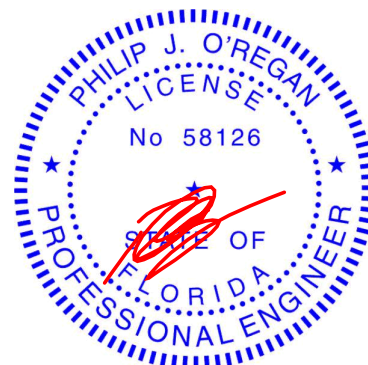
REACTIONS.

(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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7 except (jt=lb) 8=120, 6=120.



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

November 8, 2021

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



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Tampa, FL 36610

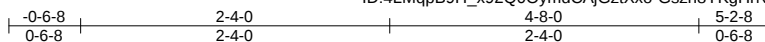
Job	Truss	Truss Type	Qty	Ply	
2935497	V08	Valley	3	1	T25901822
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

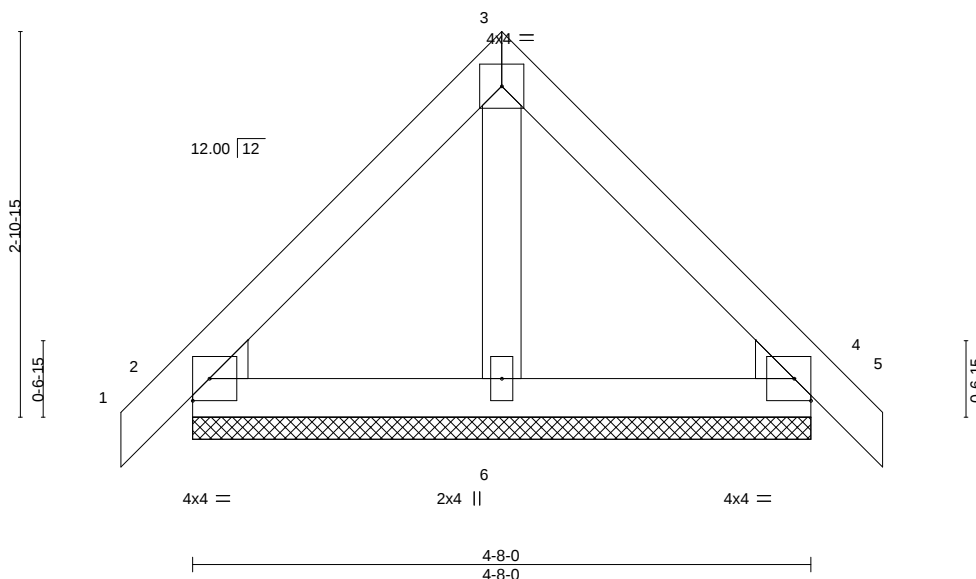
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:03 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-Gszh8YKgHrN1gPwWsu74B3unJ9nh1Lu8vQaHsmyMEwY



Scale = 1:17.4



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	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 0.02	Horz(CT)	0.00 4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 24 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

OTHERS 2x4 SP No.3

WEDGE

Left: 2x4 SP No.3, Right: 2x4 SP No.3

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 4-8-0 oc purlins.

BOT CHORD

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

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)

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.

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

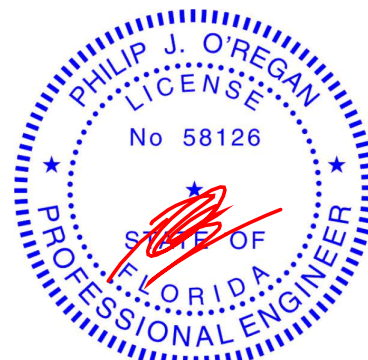
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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) 2, 4.



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

November 8, 2021

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



6904 Parke East Blvd.
Tampa, FL 36610

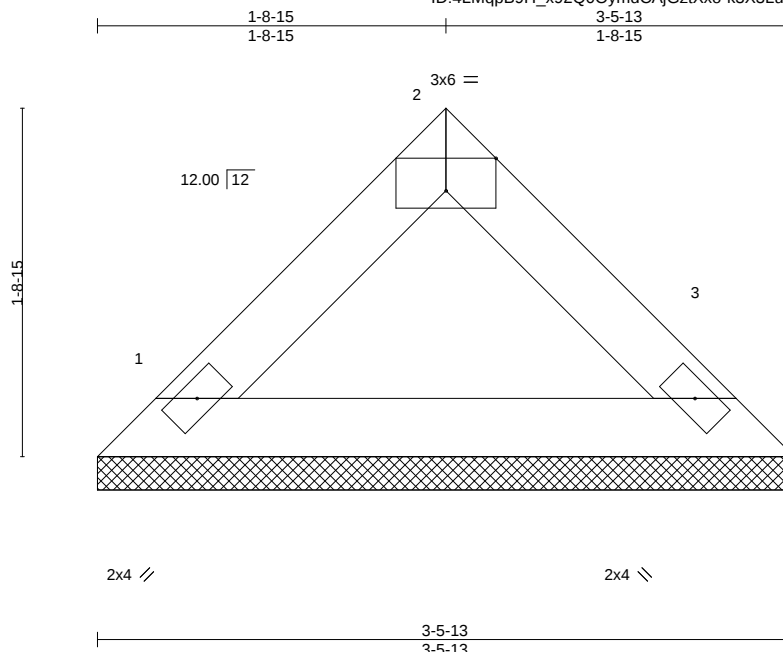
Job	Truss	Truss Type	Qty	Ply	
2935497	V09	Valley	3	1	T25901823
Job Reference (optional)					

Builders FirstSource (Lady Lake, FL),

Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:04 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-k3X3LuK129VulZVjQbeJjGQzIz6OmoMI84JqODyMEwX



Scale = 1:11.5

Plate Offsets (X,Y)--		[2:0-3-0,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 0.03		Vert(LL)	n/a	-	n/a	999	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.09		Vert(CT)	n/a	-	n/a	999	
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0		Code FBC2020/TPI2014		Matrix-P							
										Weight: 11 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

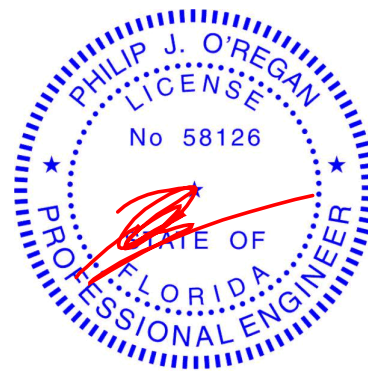
REACTIONS.

(size) 1=3-5-13, 3=3-5-13
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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.



Philip J. O'Regan PE No.58126
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ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901824
2935497	V10	GABLE	1	1	

Builders FirstSource (Lady Lake, FL),

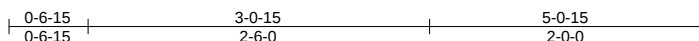
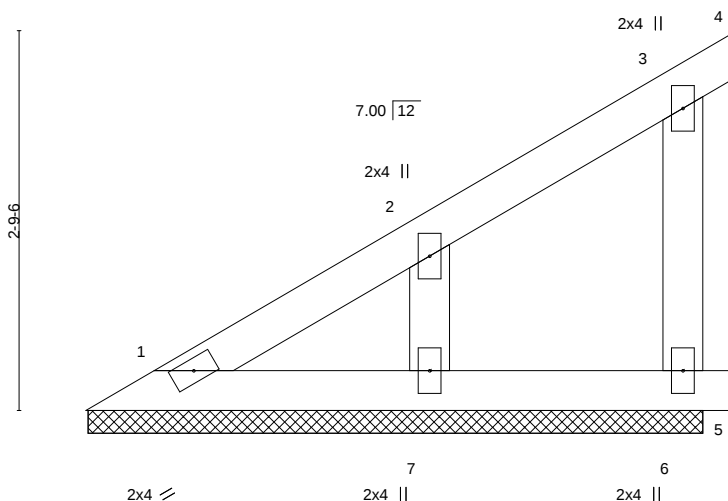
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:05 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CF5RZELwoTdlvj4vzJ9YGUz7BySQVF1RMk3OxyfMEwW



Scale = 1:16.9



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.09	Vert(LL)	-0.00	3	n/r	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	0.00	3	n/r		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.04	Horz(CT)	0.00	6	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P					Weight: 19 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

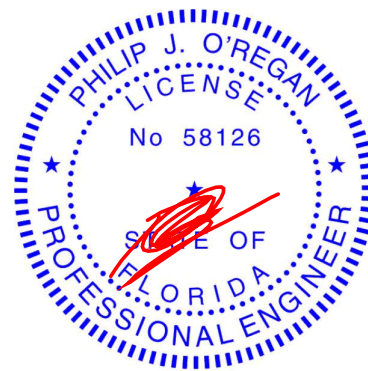
REACTIONS.

(size) 1=4-6-0, 6=4-6-0, 7=4-6-0
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)

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 7.



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

November 8, 2021

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

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

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	T25901825
2935497	V11	GABLE	1	1	

Builders FirstSource (Lady Lake, FL),

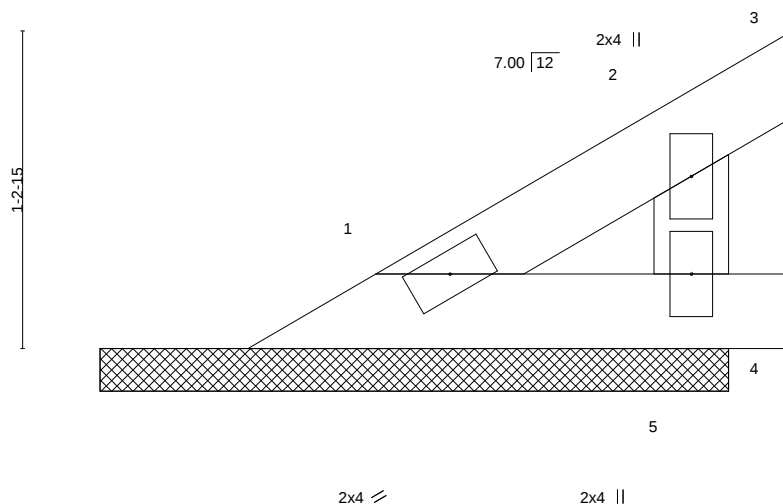
Lady Lake, FL - 34472,

8.430 s Aug 16 2021 MiTek Industries, Inc. Fri Nov 5 12:46:05 2021 Page 1

ID:4LMqpB9H_x92Q0OymdCAjGztXxo-CF5RZELwoTdlvj4vzJ9YGUz89ySrVFcRMk3OxfyMEwW

2-5-8
2-5-8

Scale = 1:9.0



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 0.03	Vert(LL)	0.00	2	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	0.00	2	n/r	120	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	5	n/a	n/a	
BCDL 10.0	Code FBC2020/TPI2014		Matrix-P						
								Weight: 7 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-5-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

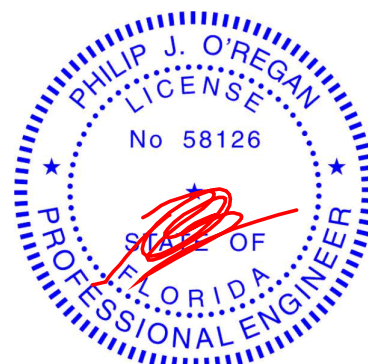
REACTIONS.

(size) 5=2-5-8, 1=2-5-8
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.
- 3) 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.



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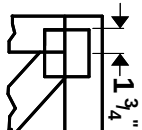
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



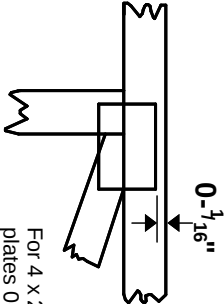
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Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{3}{16}$ " from outside edge of truss.

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

*** Plate location details available in MITek 20120 software or upon request.**

PLATE SIZE

4 X 4

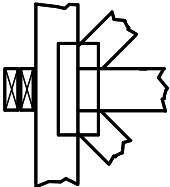
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



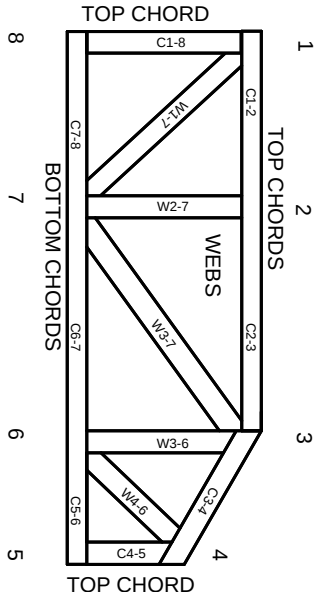
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System

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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

Lumber design values are in accordance with ANSI/TP1 1 section 6.3 These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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