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

RE: 2478875 - JON MORRIS

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

Site Information:

Customer Info: Jon Morris Project Name: Morris Res Model: Custom
Lot/Block: 3 Subdivision: Heritage Hills
Address: 312 Legacy Glen, N/A
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

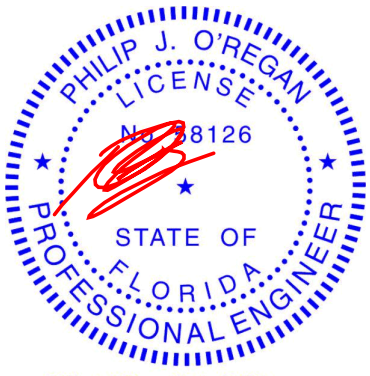
Design Code: FBC2020/TPI2014 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 50 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	T24403606	CJ02	6/21/21	23	T24403628	T12G	6/21/21
2	T24403607	CJ03	6/21/21	24	T24403629	T14	6/21/21
3	T24403608	EJ01	6/21/21	25	T24403630	T15	6/21/21
4	T24403609	EJ02	6/21/21	26	T24403631	T16	6/21/21
5	T24403610	EJ03	6/21/21	27	T24403632	T17	6/21/21
6	T24403611	HJ06	6/21/21	28	T24403633	T18	6/21/21
7	T24403612	PB01	6/21/21	29	T24403634	T19	6/21/21
8	T24403613	PB01G	6/21/21	30	T24403635	T20	6/21/21
9	T24403614	T01G	6/21/21	31	T24403636	T21	6/21/21
10	T24403615	T02	6/21/21	32	T24403637	T22	6/21/21
11	T24403616	T02G	6/21/21	33	T24403638	T23G	6/21/21
12	T24403617	T03	6/21/21	34	T24403639	T24	6/21/21
13	T24403618	T04	6/21/21	35	T24403640	T24A	6/21/21
14	T24403619	T05	6/21/21	36	T24403641	T24G	6/21/21
15	T24403620	T06	6/21/21	37	T24403642	T25	6/21/21
16	T24403621	T07	6/21/21	38	T24403643	T25G	6/21/21
17	T24403622	T07G	6/21/21	39	T24403644	TG01	6/21/21
18	T24403623	T08	6/21/21	40	T24403645	V01	6/21/21
19	T24403624	T09	6/21/21	41	T24403646	V01G	6/21/21
20	T24403625	T10	6/21/21	42	T24403647	V02	6/21/21
21	T24403626	T11	6/21/21	43	T24403648	V03	6/21/21
22	T24403627	T12	6/21/21	44	T24403649	V04	6/21/21

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

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2023.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 21,2021

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.

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

RE: 2478875 - JON MORRIS

Site Information:

Customer Info: Jon Morris Project Name: Morris Res Model: Custom
Lot/Block: 3 Subdivision: Heritage Hills
Address: 312 Legacy Glen, N/A
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
45	T24403650	V05	6/21/21
46	T24403651	V06	6/21/21
47	T24403652	V07	6/21/21
48	T24403653	V08	6/21/21
49	T24403654	V09	6/21/21
50	T24403655	V10	6/21/21

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	CJ02	Jack-Open	1	1	T24403606
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:11 2021 Page 1
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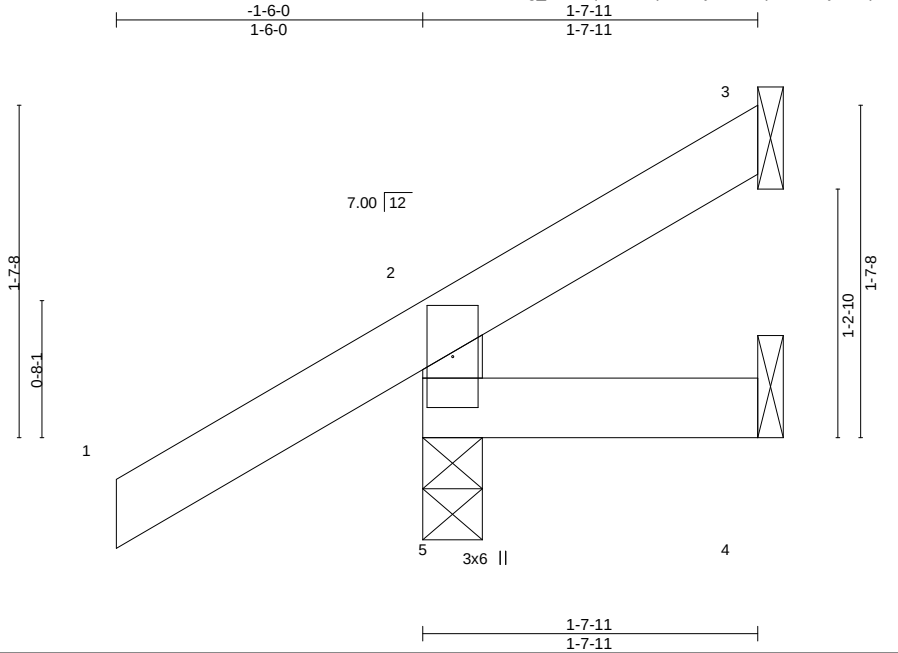


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 8 lb	FT = 20%

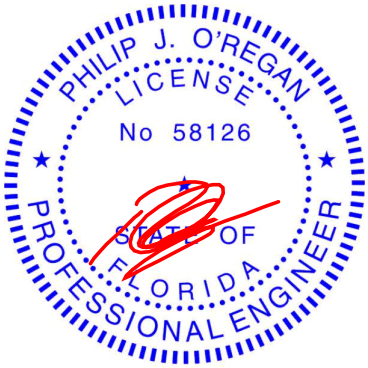
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-7-11 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=51(LC 12)
Max Uplift 5=-50(LC 12), 3=-15(LC 12), 4=-10(LC 9)
Max Grav 5=193(LC 1), 3=11(LC 19), 4=23(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left exposed; 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) 5, 3, 4.



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Date:
June 21,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	CJ03	Jack-Open	1	1	T24403607
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:12 2021 Page 1
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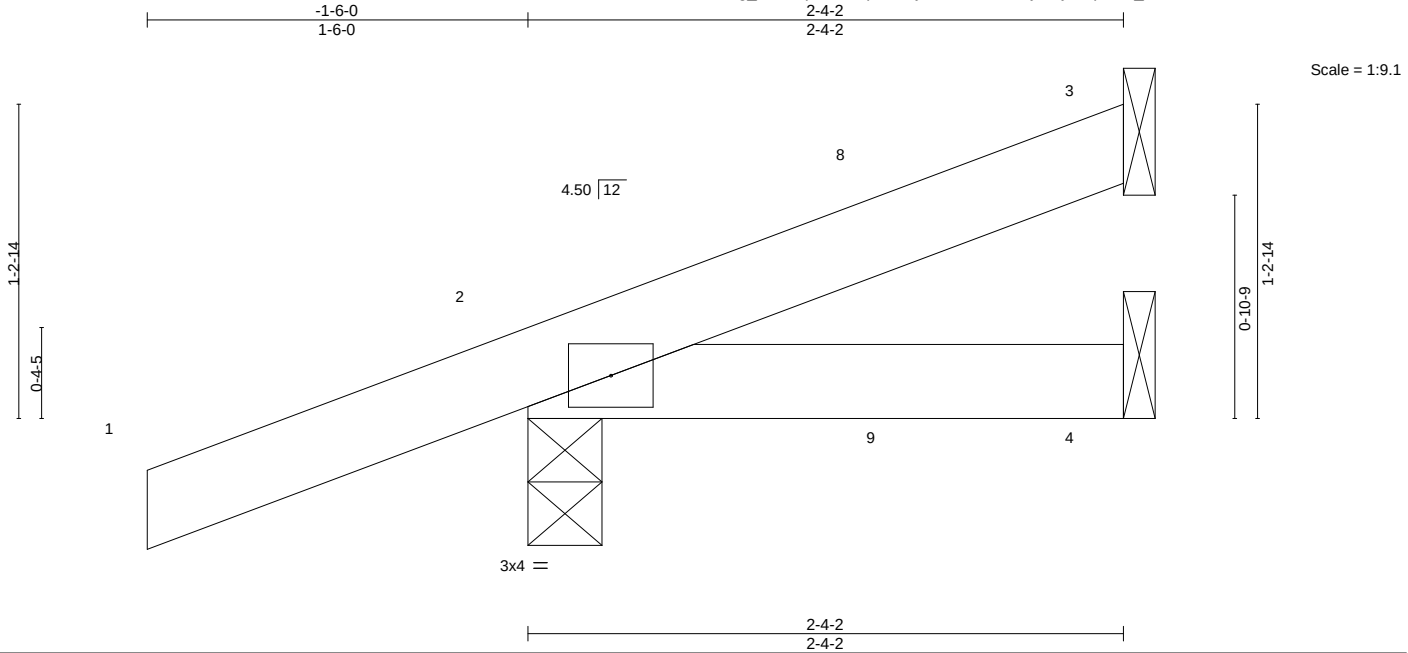


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 10 lb	FT = 20%

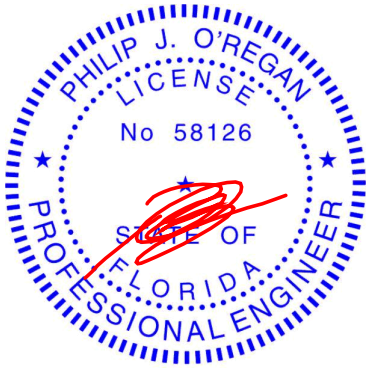
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-4-2 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=51(LC 8)
Max Uplift 3=-19(LC 12), 2=-102(LC 8), 4=-11(LC 9)
Max Grav 3=40(LC 1), 2=192(LC 1), 4=36(LC 3)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-3-6 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=102.



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Date:
June 21,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	EJ01	Jack-Open	5	1	T24403608
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:12 2021 Page 1
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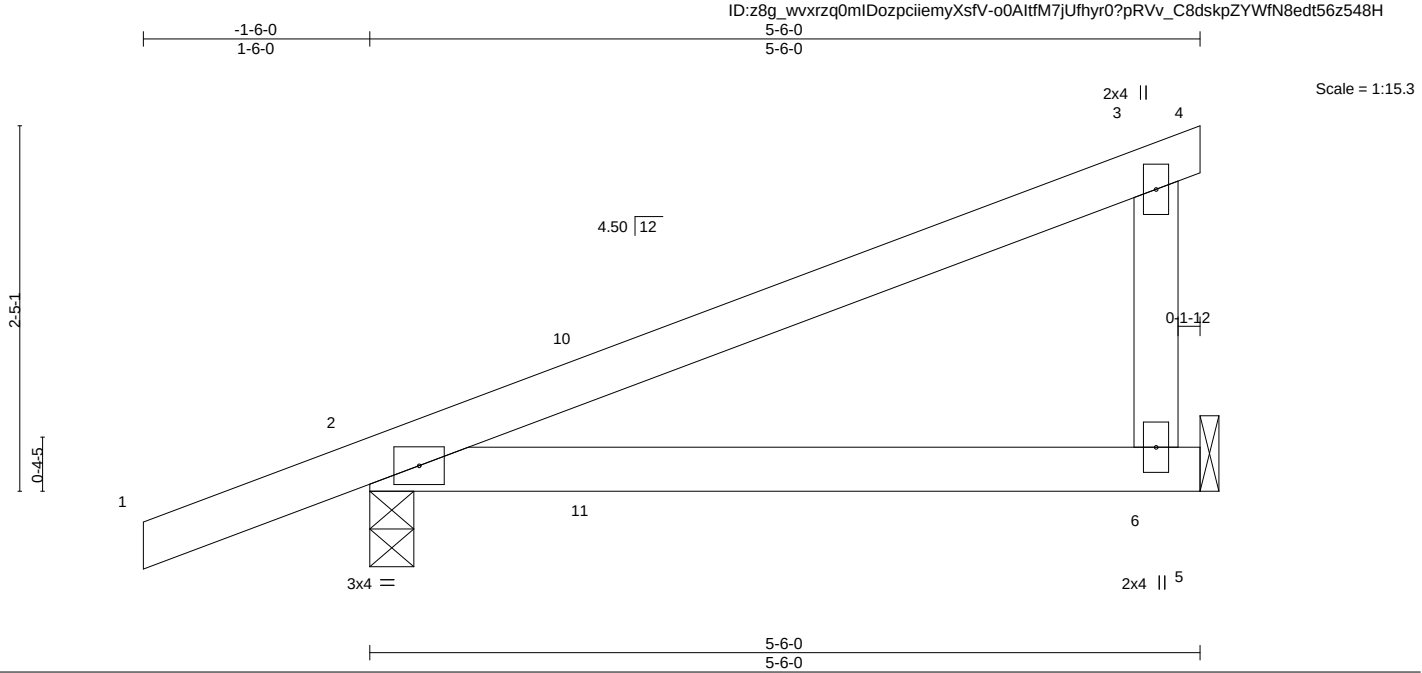


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	0.09	6-9	>670	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	0.08	6-9	>785	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 22 lb	FT = 20%

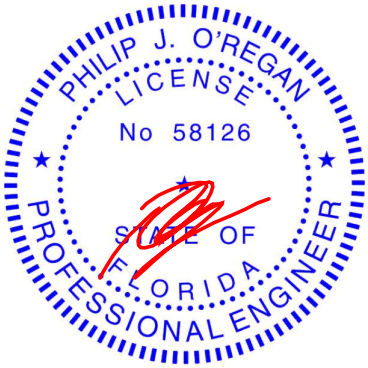
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 6=Mechanical
Max Horz 2=88(LC 8)
Max Uplift 2=-132(LC 8), 6=-94(LC 8)
Max Grav 2=285(LC 1), 6=191(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-6-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 except (jt=lb) 2=132.



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Date:
June 21,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	EJ02	Jack-Open	2	1	T24403609
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:13 2021 Page 1
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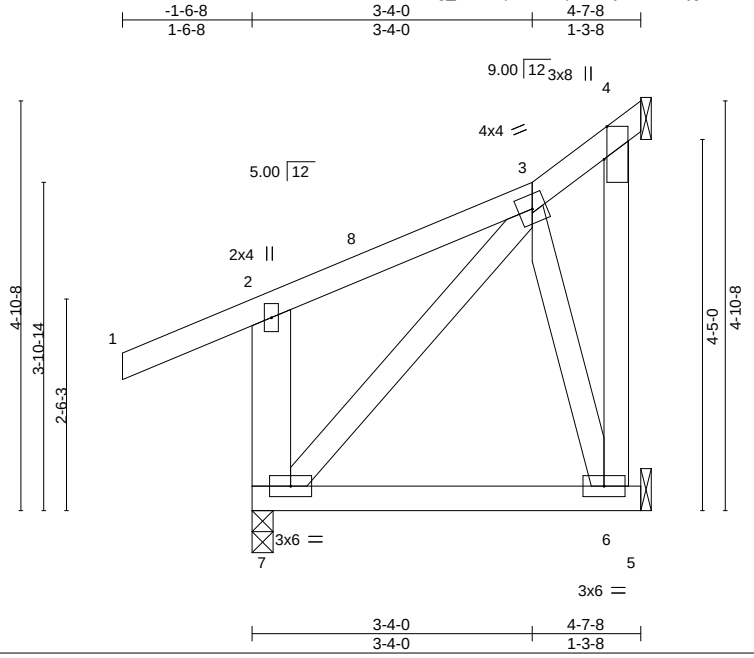

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Plate Offsets (X,Y)-- [4:0-4-11,Edge]

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	0.18	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	-0.03	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 40 lb	FT = 20%

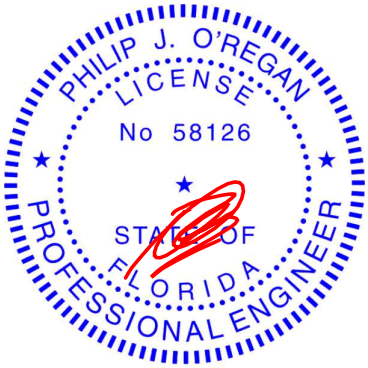
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-7: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 7=0-3-0, 6=Mechanical, 4=Mechanical
Max Horz 7=96(LC 9)
Max Uplift 7=-50(LC 8), 6=-65(LC 12), 4=-21(LC 12)
Max Grav 7=268(LC 1), 6=111(LC 3), 4=29(LC 19)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 4-4-0 zone; end vertical 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) 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) 7, 6, 4.
8) 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:
June 21,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	EJ03	Roof Special	2	1	T24403610
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:15 2021 Page 1
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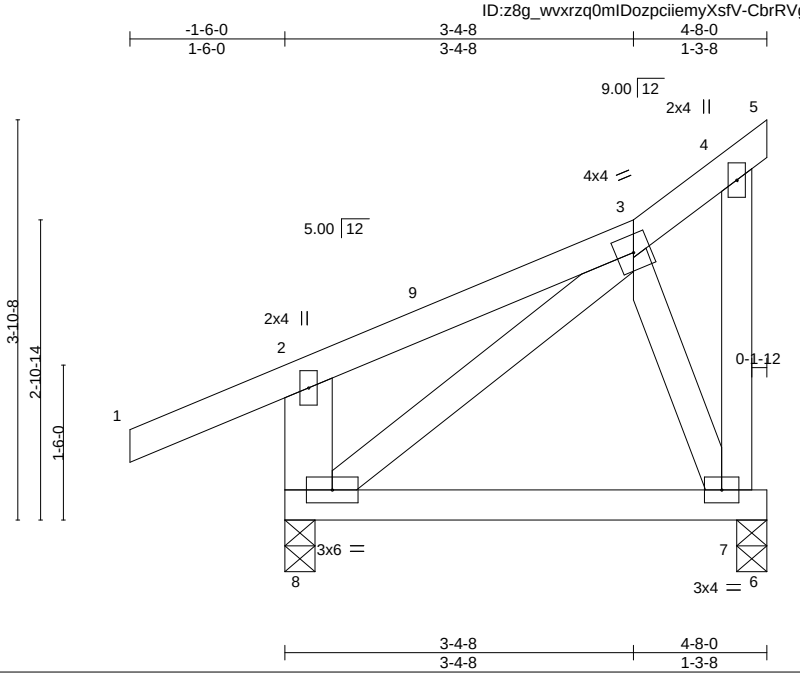

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.04	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 34 lb	FT = 20%

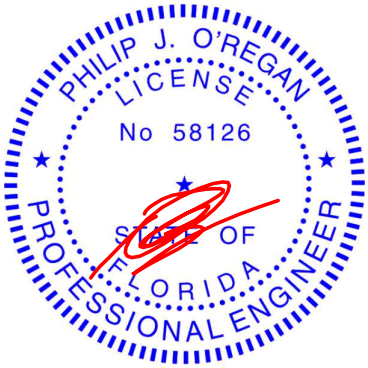
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-8: 2x6 SP No.2

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) 7=0-3-8, 8=0-3-8
Max Horz 8=81(LC 9)
Max Uplift 7=-82(LC 12), 8=-58(LC 8)
Max Grav 7=144(LC 1), 8=266(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-8-0 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 8.



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	HJ06	Diagonal Hip Girder	1	1	T24403611
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:16 2021 Page 1
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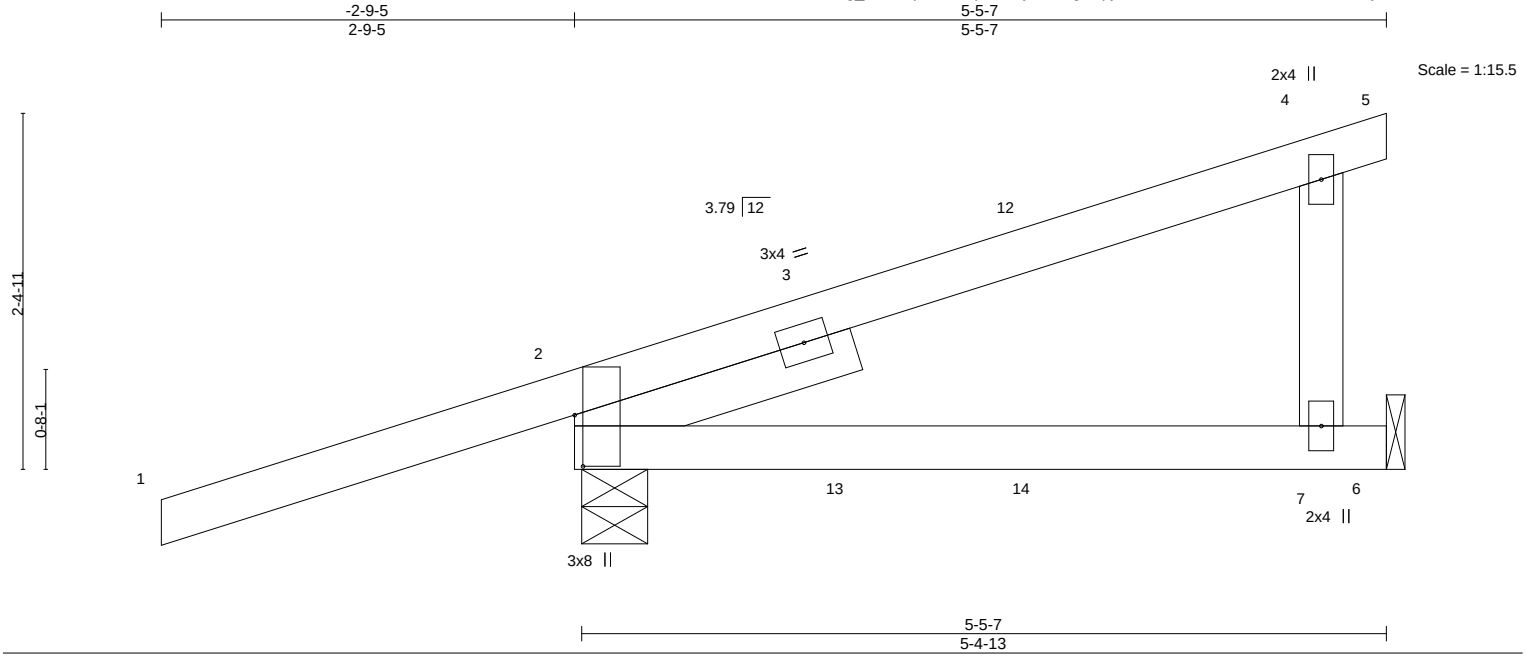


Plate Offsets (X,Y)-- [2:0-4-2,0-0-11]

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	0.53	Vert(LL)	0.04	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.07	7-10	>961	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 27 lb	FT = 20%

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

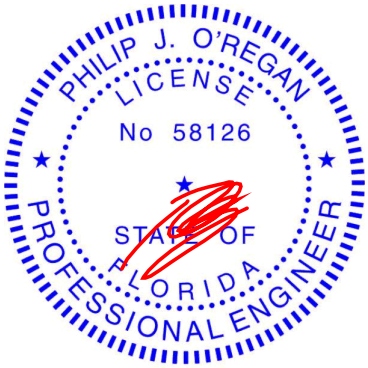
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 2=0-5-5
Max Horz 2=96(LC 4)
Max Uplift 6=-81(LC 4), 2=-209(LC 4)
Max Grav 6=160(LC 1), 2=384(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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) 6 except (jt=lb) 2=209.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 14 lb down and 19 lb up at 1-10-5, and 57 lb down and 11 lb up at 3-1-5 on top chord, and 8 lb down and 16 lb up at 1-10-5, and 26 lb down and 15 lb up at 3-1-5 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, 6-8=-20
Concentrated Loads (lb)
Vert: 13=-0(B) 14=8(F)



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June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	PB01	Piggyback	13	1	T24403612
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:16 2021 Page 1
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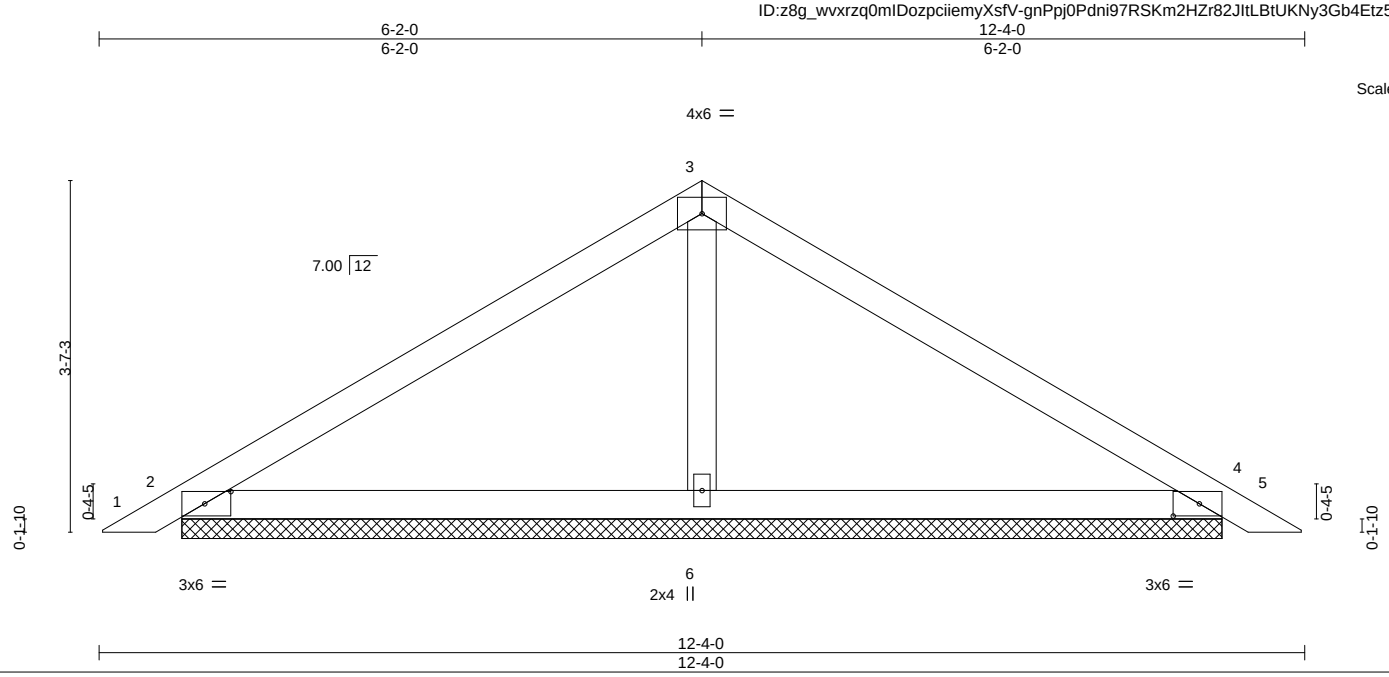


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [4:0-3-3,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	0.02	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 41 lb	FT = 20%

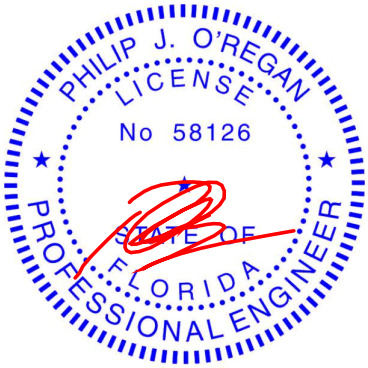
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. (size) 2=10-7-11, 4=10-7-11, 6=10-7-11
Max Horz 2=-73(LC 10)
Max Uplift 2=-60(LC 12), 4=-69(LC 13), 6=-53(LC 12)
Max Grav 2=216(LC 23), 4=216(LC 24), 6=415(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-255/108

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-3-11 to 3-3-11, Interior(1) 3-3-11 to 6-2-0, Exterior(2R) 6-2-0 to 9-2-0, Interior(1) 9-2-0 to 12-0-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	PB01G	GABLE	1	1	T24403613
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:17 2021 Page 1
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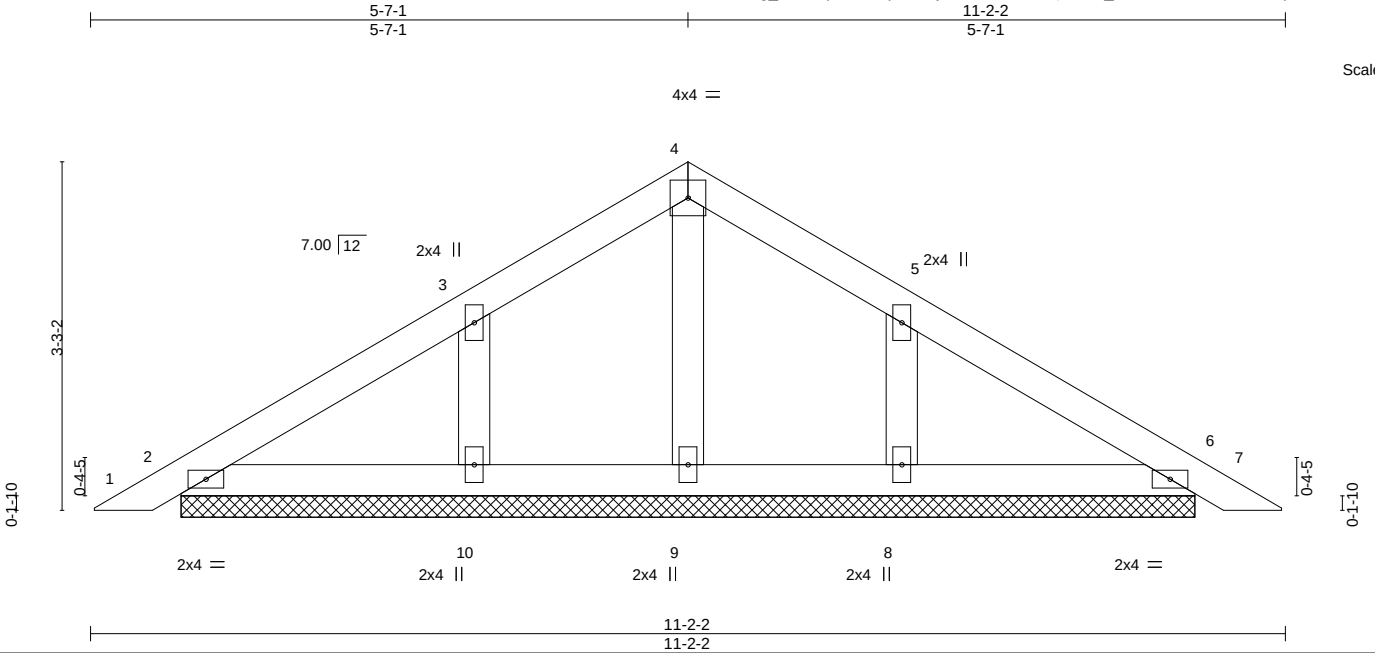


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 41 lb	FT = 20%

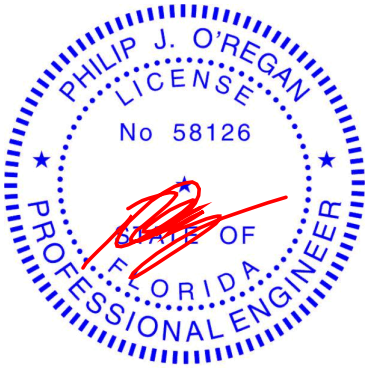
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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 9-5-13.
(lb) - Max Horz 2=-66(LC 10)
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, 10, 8

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-3-11 to 3-7-1, Exterior(2N) 3-7-1 to 5-7-1, Corner(3R) 5-7-1 to 8-7-1, Exterior(2N) 8-7-1 to 10-10-7 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) 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) 2, 6, 10, 8.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T01G	GABLE	1	1	T24403614
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:19 2021 Page 1
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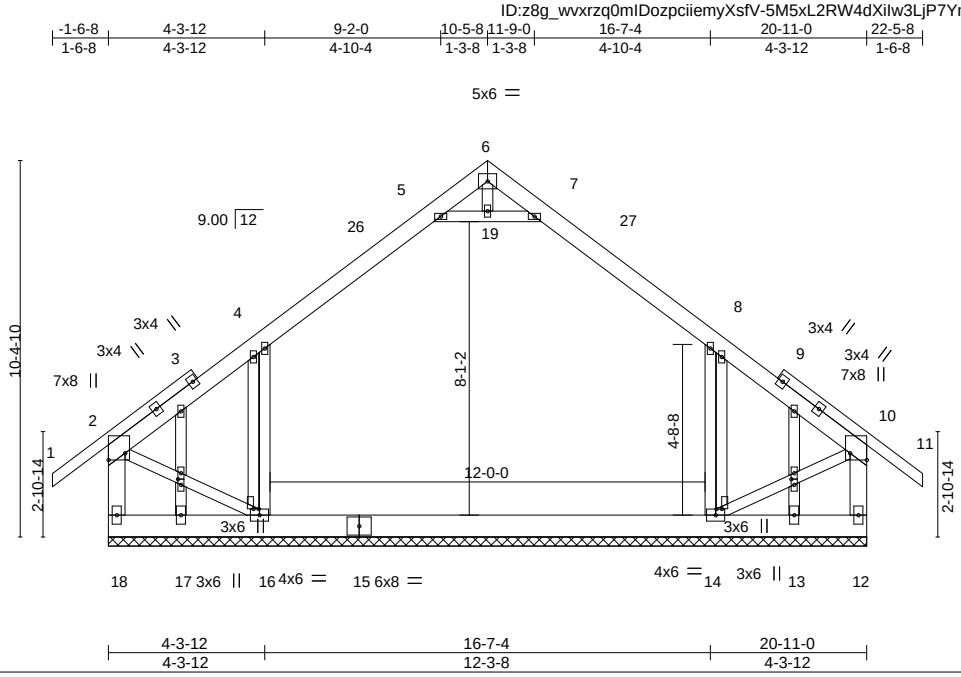


Plate Offsets (X,Y)-- [2:Edge,0-5-8], [10:Edge,0-5-8], [14:0-0-1,0-1-12], [16:0-0-1,0-1-12], [21:0-1-14,0-1-0], [23:0-1-14,0-1-0]

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)	-0.01	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	10-11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 203 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-3,9-11: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 2-18,10-12: 2x6 SP No.2
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.

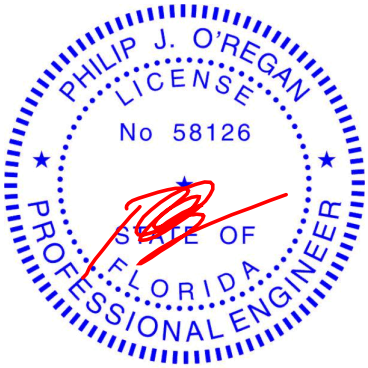
REACTIONS. All bearings 20-11-0.
(lb) - Max Horz 18=-257(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 12 except 16=-133(LC 12), 14=-132(LC 13), 13=-400(LC 18), 17=-400(LC 18)
Max Grav All reactions 250 lb or less at joint(s) except 18=675(LC 21), 16=940(LC 20), 14=939(LC 21), 12=672(LC 20)

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

TOP CHORD	2-4=-434/37, 4-5=-486/113, 7-8=-486/113, 8-10=-434/36, 2-18=-586/65, 10-12=-586/64
BOT CHORD	14-16=-35/349
WEBS	5-19=-277/148, 7-19=-277/148, 4-16=-383/142, 8-14=-382/142, 2-16=-19/374, 10-14=-21/375

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 10-5-8, Exterior(2R) 10-5-8 to 13-5-8, Interior(1) 13-5-8 to 22-5-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-19, 7-19; Wall dead load (5.0psf) on member(s).4-16, 8-14
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 12 except (jt=lb) 16=133, 14=132, 13=400, 17=400.
12) Attic room checked for L/360 deflection.



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Date:
June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T02	Attic	3	1	T24403615
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:20 2021 Page 1
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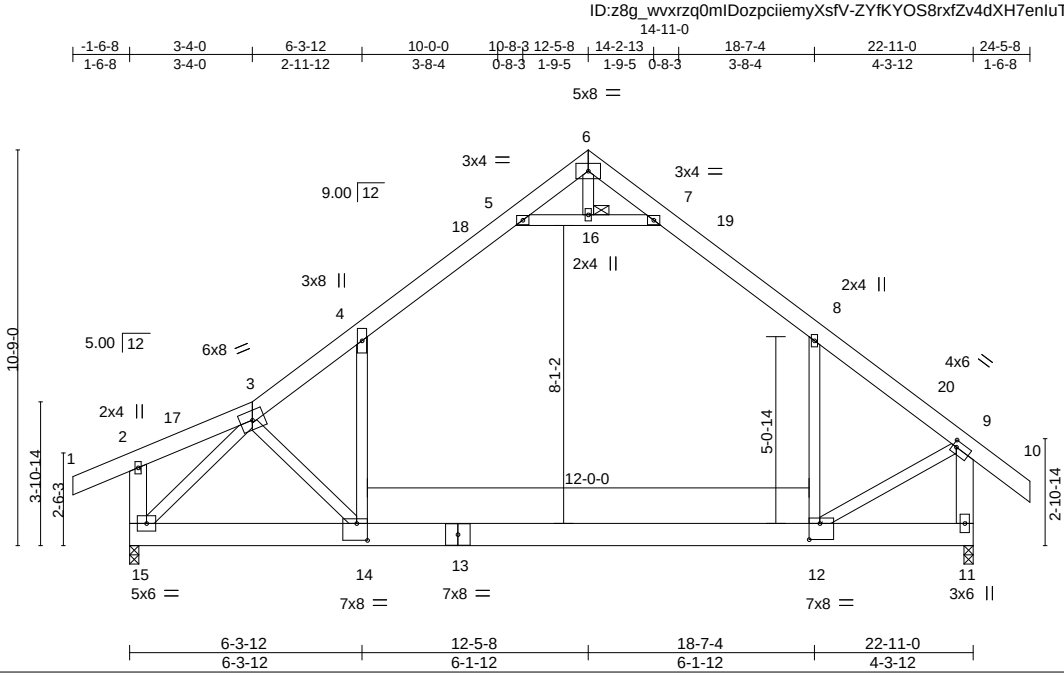


Plate Offsets (X,Y)-- [9:0-1-4,0-2-0], [12:0-3-8,0-5-4], [14:0-3-8,0-5-8]

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	0.60	Vert(LL)	-0.36	12-14	>752	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.60	12-14	>452	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.22	12-14	662	360	Weight: 196 lb	FT = 20%

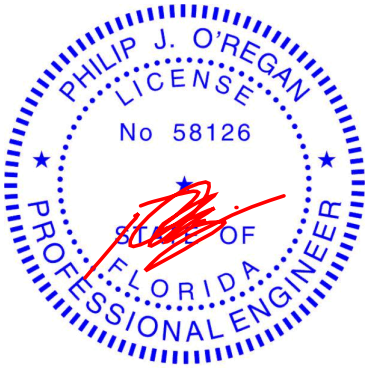
LUMBER-
TOP CHORD 2x6 SP M 26 *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-15,9-11: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS. (size) 15=0-3-0, 11=0-3-0
Max Horz 15=269(LC 11)
Max Uplift 15=-22(LC 12)
Max Grav 15=1375(LC 2), 11=1484(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1612/10, 4-5=-1007/134, 5-6=0/590, 6-7=0/552, 7-8=-1046/132, 8-9=-1502/3, 9-11=-1780/67
BOT CHORD 14-15=0/1241, 12-14=0/1079
WEBS 4-14=0/945, 8-12=0/699, 5-16=-1674/124, 7-16=-1674/124, 3-15=-1687/0, 9-12=0/1187

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 12-5-8, Exterior(2R) 12-5-8 to 15-5-8, Interior(1) 15-5-8 to 24-5-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-5, 7-8, 5-16, 7-16; Wall dead load (5.0psf) on member(s).4-14, 8-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15.
9) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T02G	GABLE	1	1	T24403616
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:22 2021 Page 1
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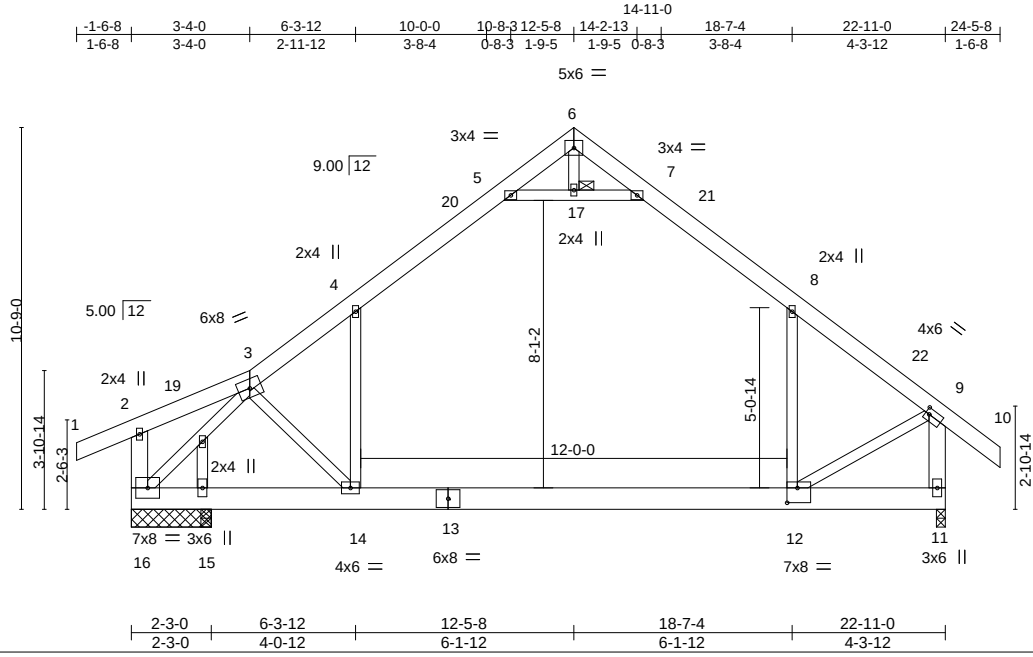


Plate Offsets (X,Y)-- [9:0-1-4,0-2-0], [12:0-3-8,0-5-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.34	12-14	>730	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.55	12-14	>451	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.01	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.23	12-14	651	360	Weight: 198 lb	FT = 20%

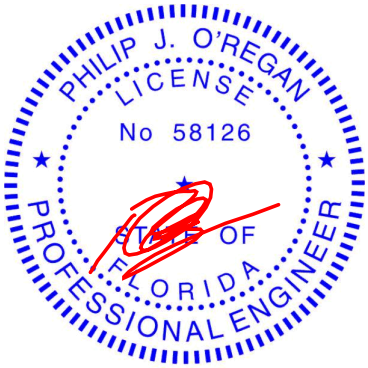
LUMBER-
TOP CHORD 2x6 SP M 26 *Except* 1-3: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except* 2-16,9-11: 2x6 SP No.2
OTHERS 2x4 SP No.3

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.
JOINTS 1 Brace at Jt(s): 17

REACTIONS. All bearings 2-3-0 except (jt=length) 11=0-3-0.
(lb) - Max Horz 16=269(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 11 except 16=-268(LC 8), 15=-137(LC 12)
Max Grav All reactions 250 lb or less at joint(s) except 16=554(LC 21), 11=1415(LC 21), 15=1252(LC 20), 15=805(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/253, 3-4=-1408/27, 4-5=-940/137, 5-6=0/477, 6-7=-3/476, 7-8=-899/127, 8-9=-1311/0, 9-11=-1563/60
BOT CHORD 15-16=0/955, 14-15=0/955, 12-14=0/926
WEBS 4-14=-54/682, 8-12=0/641, 5-17=-1462/132, 7-17=-1462/132, 3-16=-1658/0, 9-12=0/990

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 12-5-8, Exterior(2R) 12-5-8 to 15-5-8, Interior(1) 15-5-8 to 24-5-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-5, 7-8, 5-17, 7-17; Wall dead load (5.0psf) on member(s).4-14, 8-12
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 12-14
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 16=268, 15=137.
11) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T03	Attic	4	1	T24403617
					Job Reference (optional)

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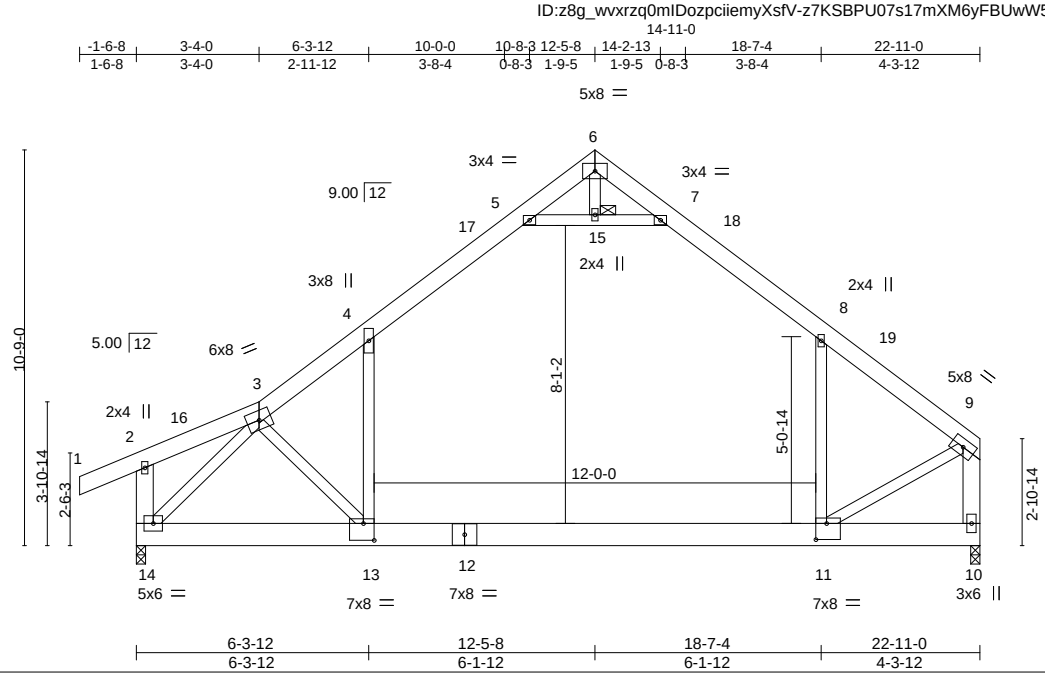


Plate Offsets (X,Y)-- [11:0-3-8,0-5-4], [13:0-3-8,0-5-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.36	11-13	>750	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.60	11-13	>451	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.62	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.22	11-13	661	360	Weight: 192 lb	FT = 20%

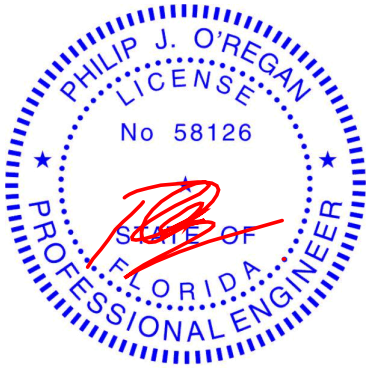
LUMBER-
TOP CHORD 2x6 SP M 26 *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-14,9-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

REACTIONS. (size) 14=0-3-0, 10=0-3-0
Max Horz 14=225(LC 9)
Max Uplift 14=-18(LC 12)
Max Grav 14=1378(LC 2), 10=1396(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1614/0, 4-5=-1007/126, 5-6=0/594, 6-7=0/555, 7-8=-1051/133, 8-9=-1501/0, 9-10=-1710/0
BOT CHORD 13-14=-35/1219, 11-13=0/1057
WEBS 4-13=0/947, 8-11=0/681, 5-15=-1680/123, 7-15=-1680/123, 3-14=-1690/0, 9-11=0/1187

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 12-5-8, Exterior(2R) 12-5-8 to 15-5-8, Interior(1) 15-5-8 to 22-8-4 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-5, 7-8, 5-15, 7-15; Wall dead load (5.0psf) on member(s).4-13, 8-11
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
9) Attic room checked for L/360 deflection.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T04	Attic Girder	1	2	T24403618
					Job Reference (optional)

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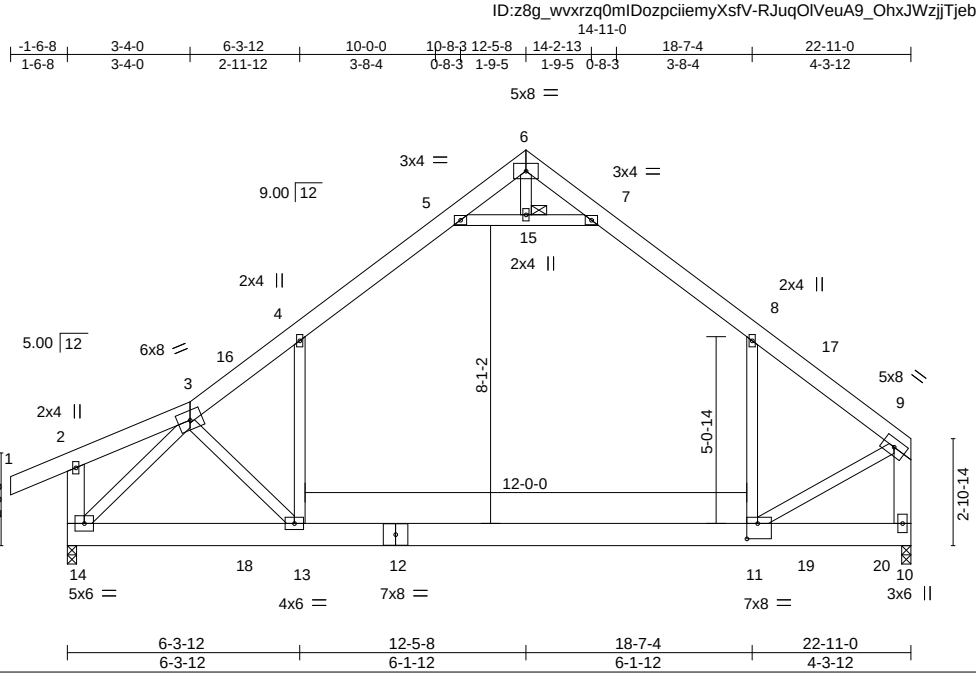


Plate Offsets (X,Y)-- [11:0-3-8,0-5-0]

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	0.66	Vert(LL)	-0.33	11-13	>821	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.56	11-13	>485	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS		Attic	-0.19	11-13	769	360	Weight: 383 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP M 26 *Except*
1-3: 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-14,9-10: 2x6 SP No.2

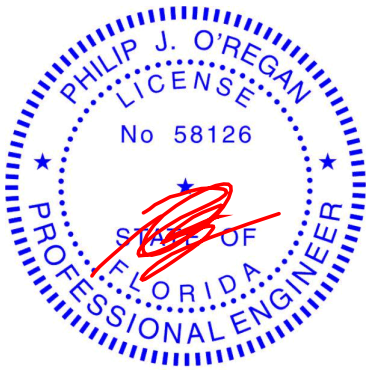
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

REACTIONS. (size) 14=0-3-0, 10=0-3-0
Max Horz 14=228(LC 5)
Max Uplift 14=-175(LC 8), 10=-178(LC 9)
Max Grav 14=3040(LC 35), 10=3818(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-3861/181, 4-5=-2655/246, 5-6=-134/1176, 6-7=-129/1085, 7-8=-2749/253, 8-9=-3600/145, 9-10=-4043/138
BOT CHORD 13-14=-171/2810, 11-13=-56/2576
WEBS 3-13=-354/174, 4-13=-108/1636, 8-11=-101/1046, 5-15=-4066/428, 7-15=-4066/428, 3-14=-3910/97, 9-11=-48/2837

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 4-5, 7-8, 5-15, 7-15; Wall dead load (5.0psf) on member(s).4-13, 8-11
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=175, 10=178.
11) Girder carries tie-in span(s): 5-0-0 from 4-9-0 to 20-0-0; 4-6-0 from 4-9-0 to 20-0-0
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 178 lb down and 99 lb up at 4-8-4, and 302 lb down and 76 lb up at 20-0-12, and 305 lb down and 72 lb up at 22-0-12 on bottom chord. The design/selection

Continued on page 2



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NOTES-

13) Attic room checked for L/360 deflection.

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, 3-16=-64, 5-16=-134(F=-71), 5-6=-124(F=-71), 6-7=-125(F=-71), 7-8=-134(F=-71), 8-17=-125(F=-70), 9-17=-54, 14-18=-20, 13-18=-79(F=-59), 11-13=-99(F=-59), 11-19=-79(F=-59), 10-19=-20, 5-7=-10
   Drag: 4-13=-10, 8-11=-10
   Concentrated Loads (lb)
   Vert: 18=-178(B) 19=-142(B) 20=-146(B)

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T05	Roof Special	3	1	T24403619
					Job Reference (optional)

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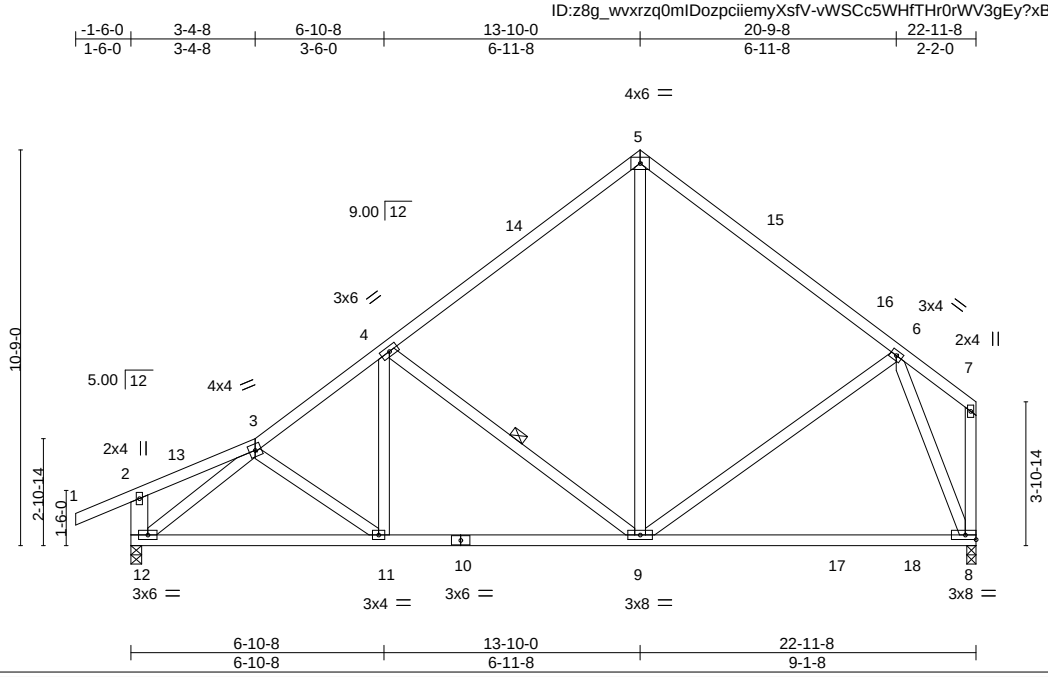


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.24	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.42	8-9	>651	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 153 lb	FT = 20%

LUMBER-

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

BRACING-

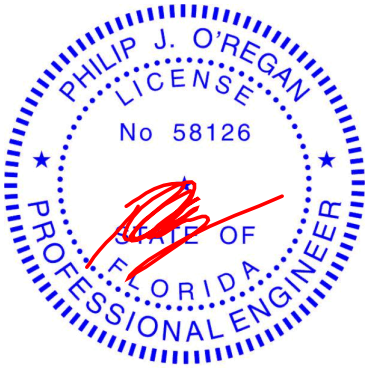
TOP CHORD	Structural wood sheathing directly applied or 5-2-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 4-9

REACTIONS. (size) 12=0-3-8, 8=0-3-0
Max Horz 12=229(LC 9)
Max Uplift 12=-185(LC 12), 8=-149(LC 12)
Max Grav 12=975(LC 2), 8=933(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1075/253, 4-5=-748/243, 5-6=-752/246
BOT CHORD 11-12=-309/980, 9-11=-264/972, 8-9=-98/335
WEBS 4-9=-518/239, 5-9=-109/464, 6-9=-55/286, 3-12=-1034/229, 6-8=-842/292, 4-11=0/260

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 13-10-0, Exterior(2R) 13-10-0 to 16-10-0, Interior(1) 16-10-0 to 22-9-12 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=185, 8=149.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T06	Roof Special Girder	1	2	T24403620
					Job Reference (optional)

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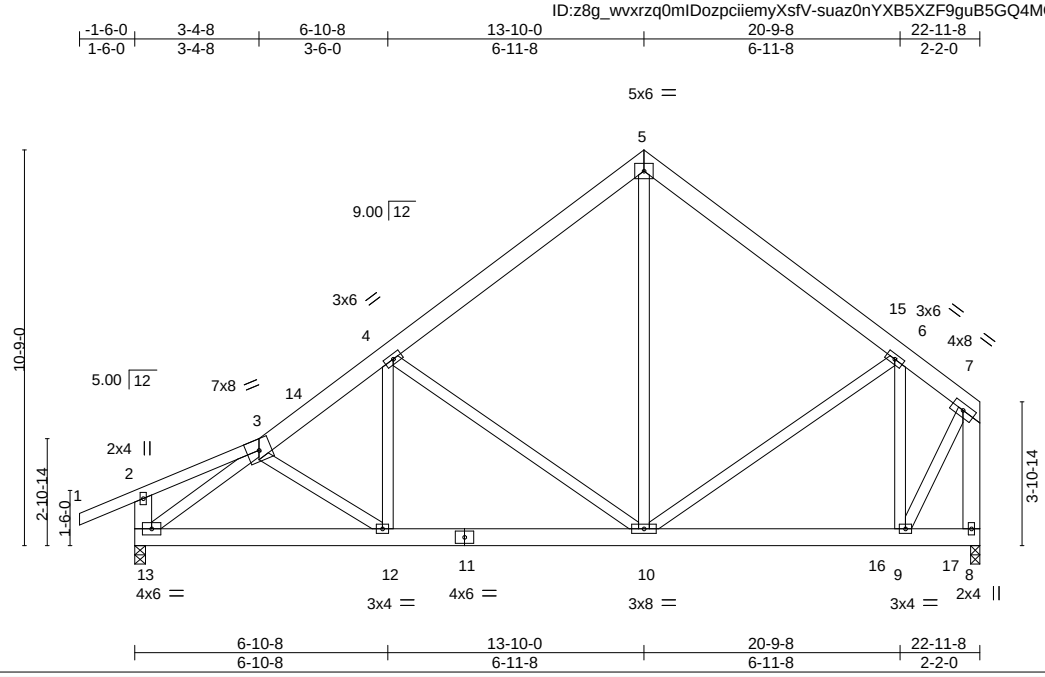


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.02	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.04	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 398 lb	FT = 20%

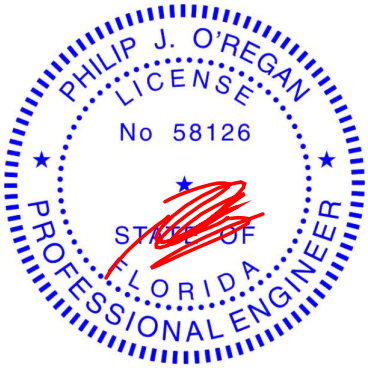
LUMBER-
TOP CHORD 2x6 SP No.2 *Except* 1-3: 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 2-13,7-8: 2x6 SP No.2

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

REACTIONS. (size) 13=0-3-8, 8=0-3-0
Max Horz 13=227(LC 5)
Max Uplift 13=-286(LC 8), 8=-632(LC 8)
Max Grav 13=1349(LC 1), 8=1788(LC 33)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-1693/377, 4-5=-1250/417, 5-6=-1255/425, 6-7=-804/282, 2-13=-261/106, 7-8=-1660/520
BOT CHORD 12-13=-436/1418, 10-12=-403/1461, 9-10=-224/689
WEBS 4-12=0/256, 4-10=-796/353, 5-10=-246/529, 6-10=-81/326, 6-9=-1042/345, 3-13=-1626/309, 7-9=-460/1402

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=286, 8=632.
9) Girder carries tie-in span(s): 5-0-0 from 20-0-0 to 47-6-0; 5-0-0 from 4-9-0 to 20-0-0
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 209 lb down and 219 lb up at 20-1-4, and 213 lb down and 215 lb up at 22-1-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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LOAD CASE(S) Standard

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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, 3-14=-54, 5-14=-110(F=-56), 5-7=-110(F=-56), 8-13=-20
   Concentrated Loads (lb)
   Vert: 16=-146(F) 17=-150(F)

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T07	COMMON	1	1	T24403621
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:28 2021 Page 1
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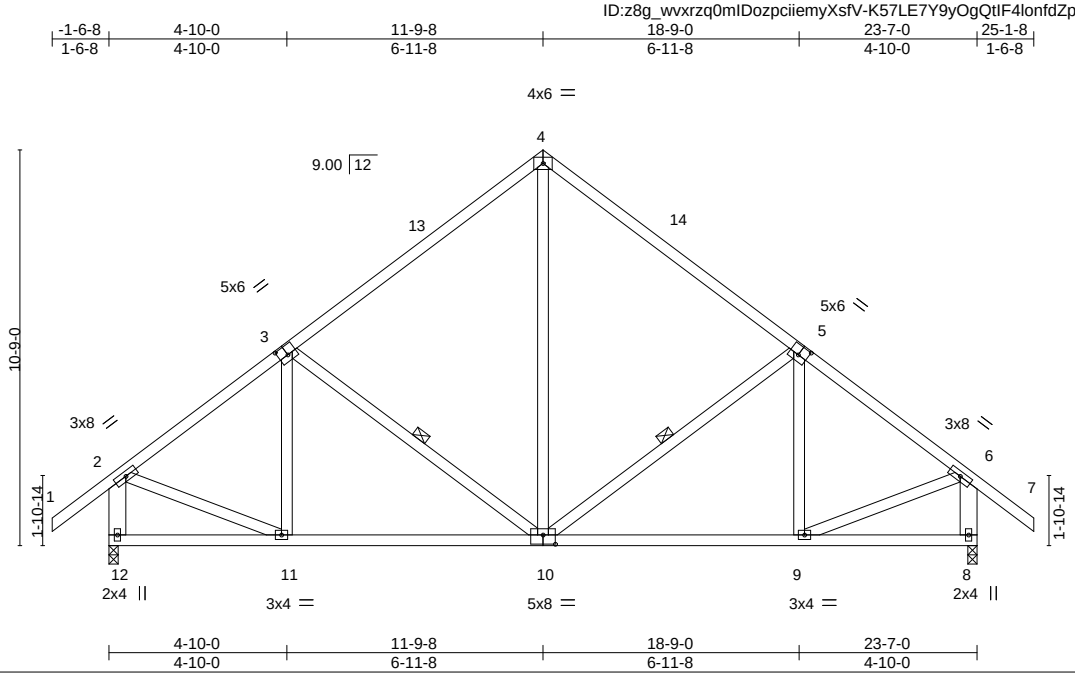


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.05	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.10	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 161 lb	FT = 20%

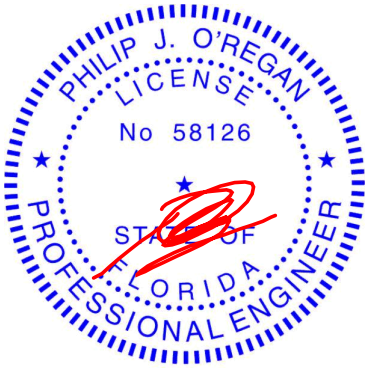
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-12,6-8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-10, 3-10

REACTIONS. (size) 12=0-3-0, 8=0-3-0
Max Horz 12=268(LC 11)
Max Uplift 12=-183(LC 12), 8=-183(LC 13)
Max Grav 12=951(LC 1), 8=951(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-856/178, 3-4=-729/223, 4-5=-729/223, 5-6=-856/178, 2-12=-914/222, 6-8=-914/222
BOT CHORD 10-11=-160/725, 9-10=-67/640
WEBS 4-10=-107/452, 5-10=-253/195, 3-10=-253/195, 2-11=-96/696, 6-9=-96/696

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 11-9-8, Exterior(2R) 11-9-8 to 14-9-8, Interior(1) 14-9-8 to 25-1-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=183, 8=183.



Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 21,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T07G	GABLE	1	1	T24403622
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:30 2021 Page 1
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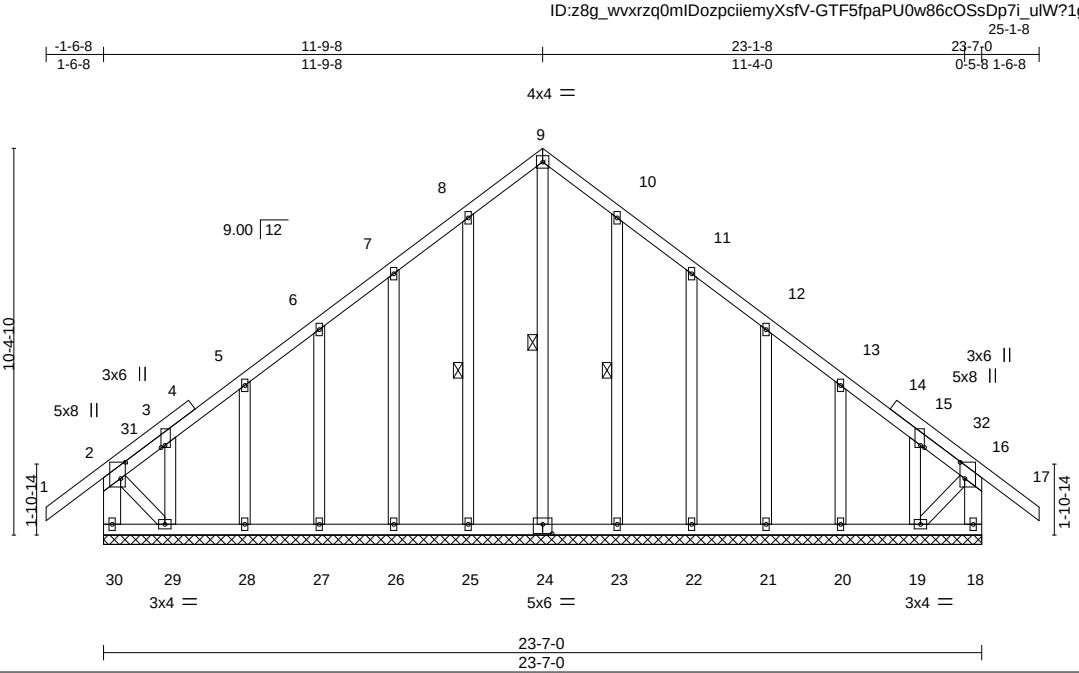


Plate Offsets (X,Y)-- [2:0-5-4,0-1-8], [3:0-0-11,0-1-4], [15:0-0-11,0-1-4], [16:0-5-4,0-1-8], [24:0-3-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.02	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 199 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x6 SP No.2 *Except* 2-29,16-19: 2x4 SP No.3
OTHERS	2x4 SP No.3

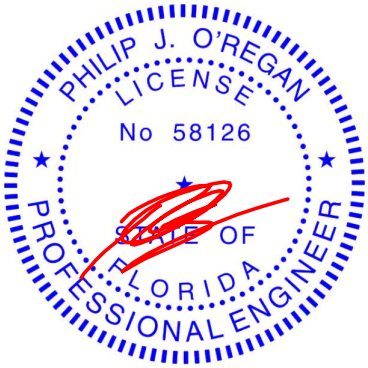
BRACING-

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, Except: 6-0-0 oc bracing: 29-30,18-19.
WEBS	1 Row at midpt 9-24, 8-25, 10-23

REACTIONS. All bearings 23-7-0.
(lb) - Max Horz 30=-255(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 18, 25, 26, 27, 28, 23, 22, 21, 20 except 30=-146(LC 8), 29=-218(LC 12), 19=-198(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 18, 24, 25, 26, 27, 28, 29, 23, 22, 21, 20, 19 except 30=291(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-30=-275/146

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-5-8, Exterior(2N) 1-5-8 to 11-9-8, Corner(3R) 11-9-8 to 14-9-8, Exterior(2N) 14-9-8 to 25-1-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18, 25, 26, 27, 28, 23, 22, 21, 20 except (jt=lb) 30=146, 29=218, 19=198.



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T08	ROOF SPECIAL	1	1	T24403623
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:31 2021 Page 1
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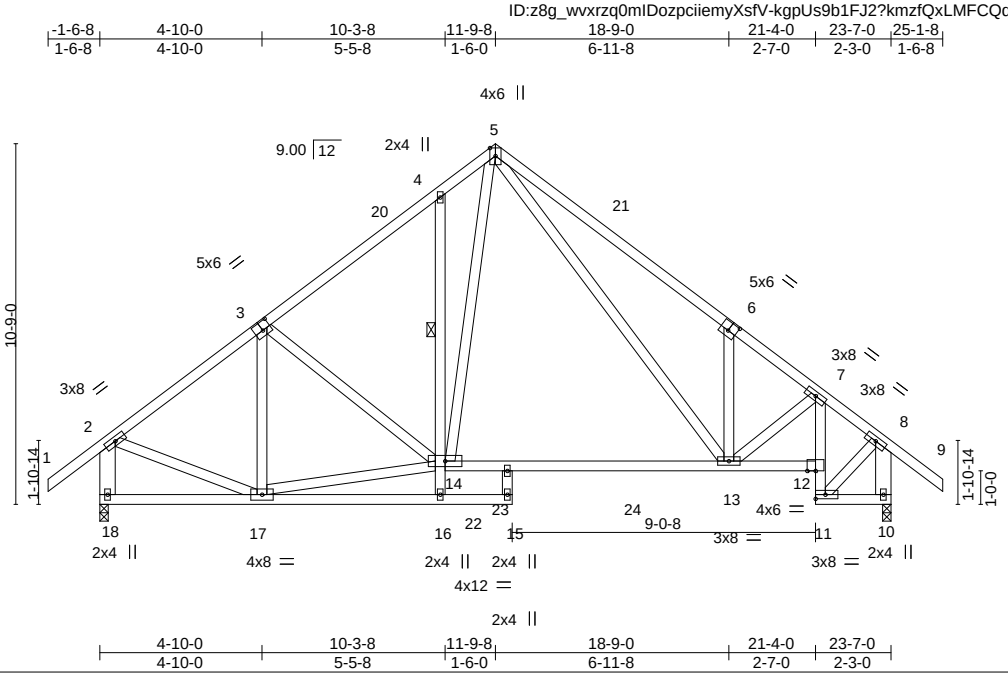


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.26	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.42	13-14	>654	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 190 lb	FT = 20%

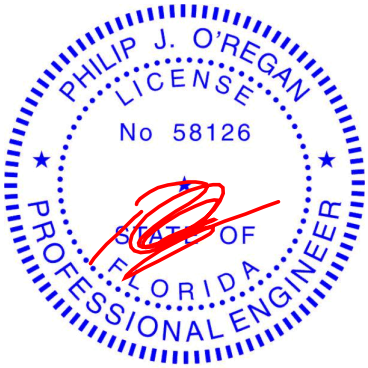
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-16: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-18,8-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 4-14
10-0-0 oc bracing: 14-16

REACTIONS. (size) 18=0-3-0, 10=0-3-0
Max Horz 18=-268(LC 10)
Max Uplift 18=-176(LC 12), 10=-177(LC 13)
Max Grav 18=1100(LC 19), 10=1106(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-987/167, 3-4=-1038/202, 4-5=-1014/287, 5-6=-1389/380, 6-7=-1239/180, 7-8=-783/135, 2-18=-1031/216, 8-10=-1151/218
BOT CHORD 17-18=-242/262, 13-14=-32/751, 12-13=-45/722, 11-12=-388/43, 7-12=-498/37
WEBS 3-17=-283/69, 14-17=-127/1029, 5-14=-210/780, 5-13=-286/681, 6-13=-399/299, 7-13=-43/398, 2-17=-66/796, 8-11=-65/744

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 11-9-8, Exterior(2R) 11-9-8 to 14-9-8, Interior(1) 14-9-8 to 25-1-8 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=176, 10=177.



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Date:
June 21,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T09	ROOF SPECIAL	4	1	T24403624
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:33 2021 Page 1
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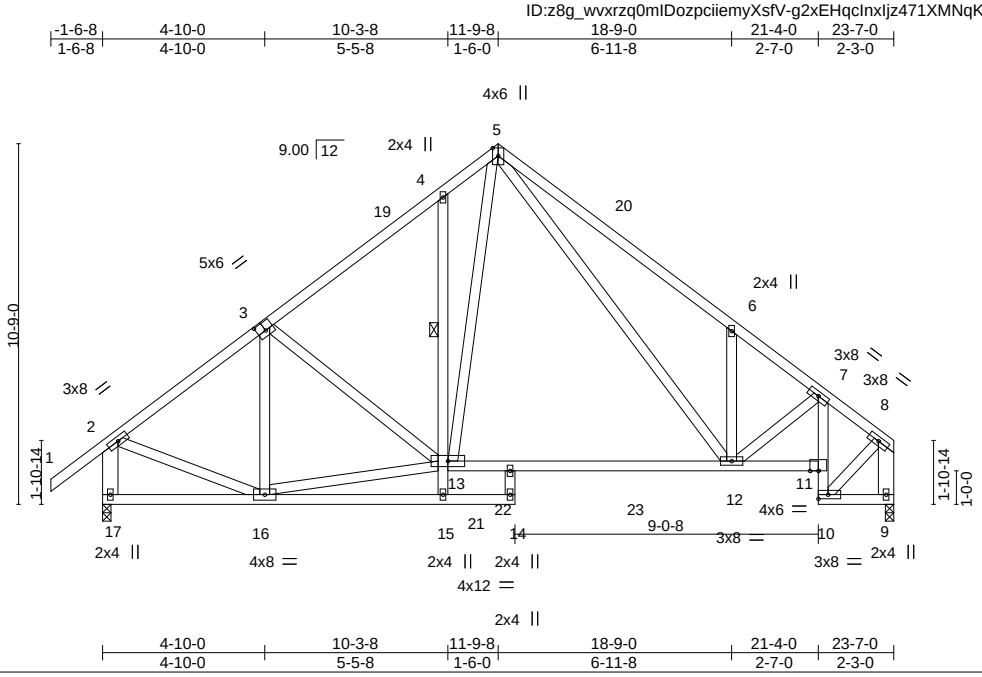


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.26	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.84	Vert(CT)	-0.42	12-13	>653	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 187 lb	FT = 20%

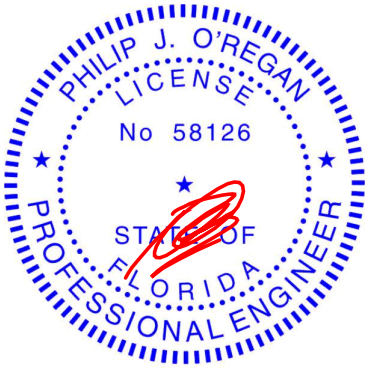
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-15: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-17,8-9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 15-16,10-11.
1 Row at midpt 4-13
10-0-0 oc bracing: 13-15

REACTIONS. (size) 17=0-3-0, 9=0-3-0
Max Horz 17=259(LC 9)
Max Uplift 17=-175(LC 12), 9=-141(LC 13)
Max Grav 17=1103(LC 19), 9=1016(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-990/167, 3-4=-1040/210, 4-5=-1017/290, 5-6=-1409/392, 6-7=-1251/197, 7-8=-796/129, 2-17=-1034/215, 8-9=-1067/167
BOT CHORD 12-13=-44/738, 11-12=-117/733, 10-11=-393/56, 7-11=-504/56
WEBS 3-16=-282/73, 13-16=-144/1018, 5-13=-212/779, 5-12=-295/703, 6-12=-394/297, 7-12=-32/376, 2-16=-66/799, 8-10=-98/755

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 11-9-8, Exterior(2R) 11-9-8 to 14-9-8, Interior(1) 14-9-8 to 23-4-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=175, 9=141.



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Date:
June 21,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T10	COMMON	1	1	T24403625
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:35 2021 Page 1
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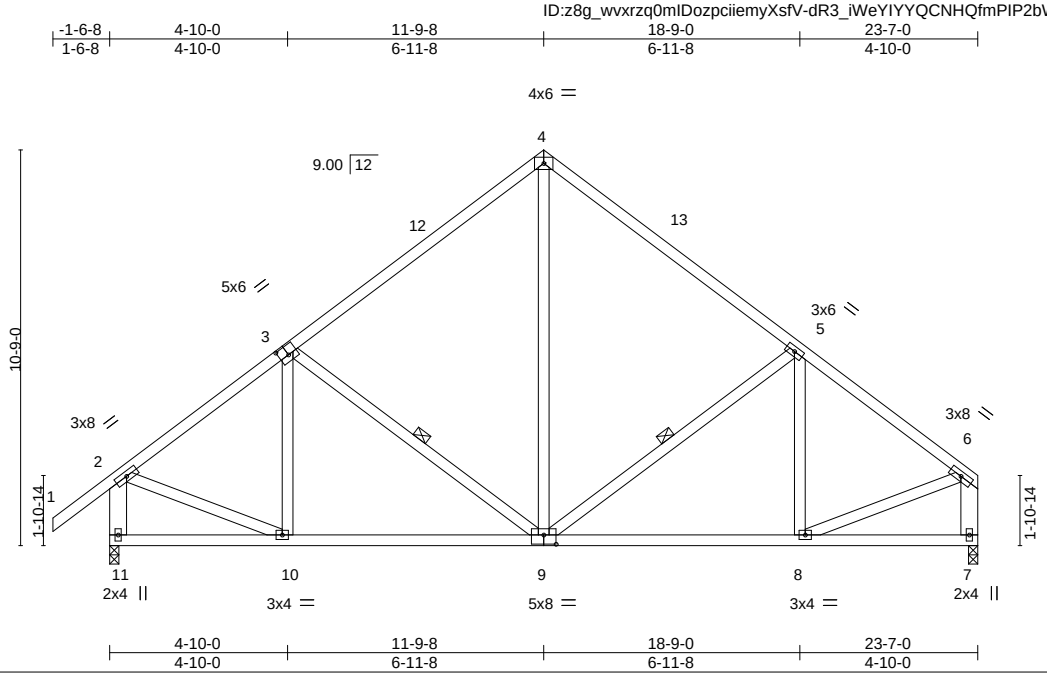

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Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.05	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.10	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 158 lb	FT = 20%

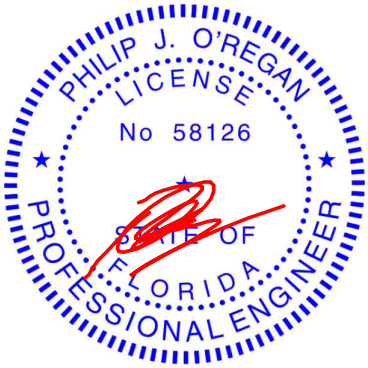
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-11,6-7: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 10-11.
WEBS 1 Row at midpt 5-9, 3-9

REACTIONS. (size) 11=0-3-0, 7=0-3-0
Max Horz 11=259(LC 9)
Max Uplift 11=-182(LC 12), 7=-147(LC 13)
Max Grav 11=955(LC 1), 7=852(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-860/178, 3-4=-734/222, 4-5=-734/223, 5-6=-868/175, 2-11=-918/221, 6-7=-814/161
BOT CHORD 9-10=-178/713, 8-9=-123/653
WEBS 5-9=-263/194, 3-9=-252/195, 2-10=-96/700, 6-8=-109/672, 4-9=-108/455

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 11-9-8, Exterior(2R) 11-9-8 to 14-9-8, Interior(1) 14-9-8 to 23-4-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=182, 7=147.



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6904 Parke East Blvd. Tampa FL 33610
Date:
June 21,2021

MiTek
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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T11	Common	4	1	T24403626
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:36 2021 Page 1
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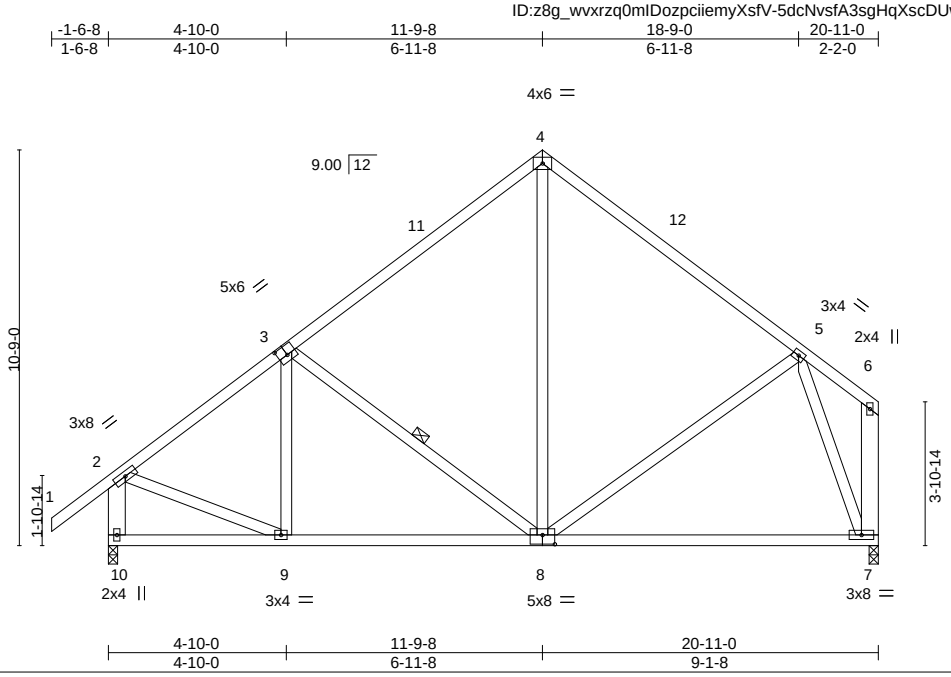


Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.15	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.30	7-8	>810	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 147 lb	FT = 20%

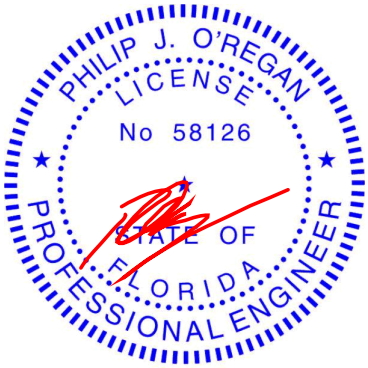
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-10,6-7: 2x6 SP No.2

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

REACTIONS. (size) 10=0-3-0, 7=0-3-0
Max Horz 10=230(LC 9)
Max Uplift 10=-160(LC 12), 7=-136(LC 12)
Max Grav 10=857(LC 1), 7=753(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-748/153, 3-4=-603/187, 4-5=-603/190, 2-10=-816/198
BOT CHORD 8-9=-227/612, 7-8=-71/283
WEBS 3-8=-268/204, 4-8=-68/348, 2-9=-75/604, 5-7=-768/234

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 11-9-8, Exterior(2R) 11-9-8 to 14-9-8, Interior(1) 14-9-8 to 20-8-4 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=160, 7=136.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
June 21,2021

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T12	Common	8	1	T24403627
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:37 2021 Page 1
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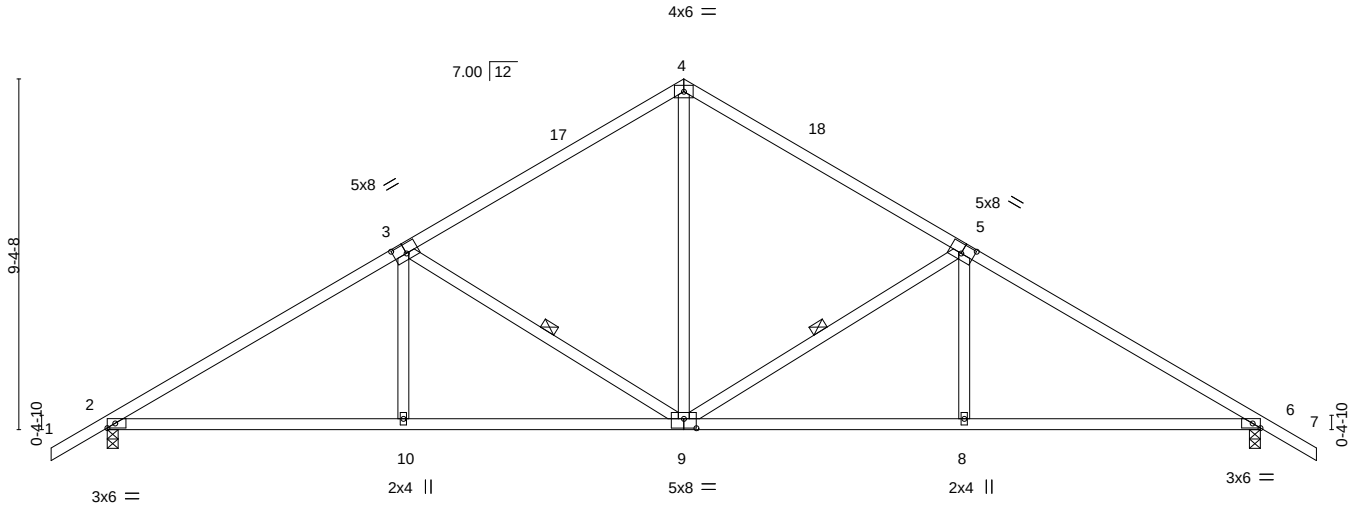
-1-6-0	7-11-0	15-5-0	22-11-0	30-10-0	32-4-0
1-6-0	7-11-0	7-6-0	7-6-0	7-11-0	1-6-0

Scale = 1:61.6



7-11-0	15-5-0	22-11-0	30-10-0
7-11-0	7-6-0	7-6-0	7-11-0

Plate Offsets (X,Y)-- [3:0-4-0,0-3-0], [5:0-4-0,0-3-0], [6:0-2-8,Edge], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	0.10	10-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.22	8-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 156 lb	FT = 20%

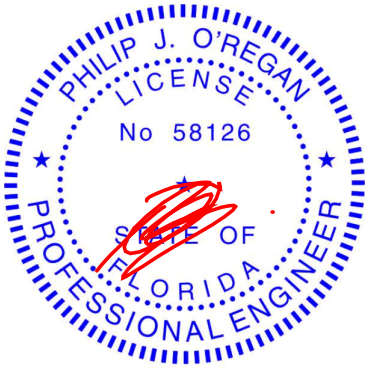
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9, 3-9

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=211(LC 11)
Max Uplift 2=-249(LC 12), 6=-249(LC 13)
Max Grav 2=1222(LC 1), 6=1222(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1838/336, 3-4=-1256/290, 4-5=-1256/290, 5-6=-1838/337
BOT CHORD 2-10=-320/1511, 9-10=-320/1510, 8-9=-184/1510, 6-8=-184/1511
WEBS 4-9=-143/795, 5-9=-646/270, 5-8=0/326, 3-9=-645/270, 3-10=0/326

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-5-0, Exterior(2R) 15-5-0 to 18-5-0, Interior(1) 18-5-0 to 32-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=249, 6=249.



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June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T12G	Common Supported Gable	1	1	T24403628
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:39 2021 Page 1
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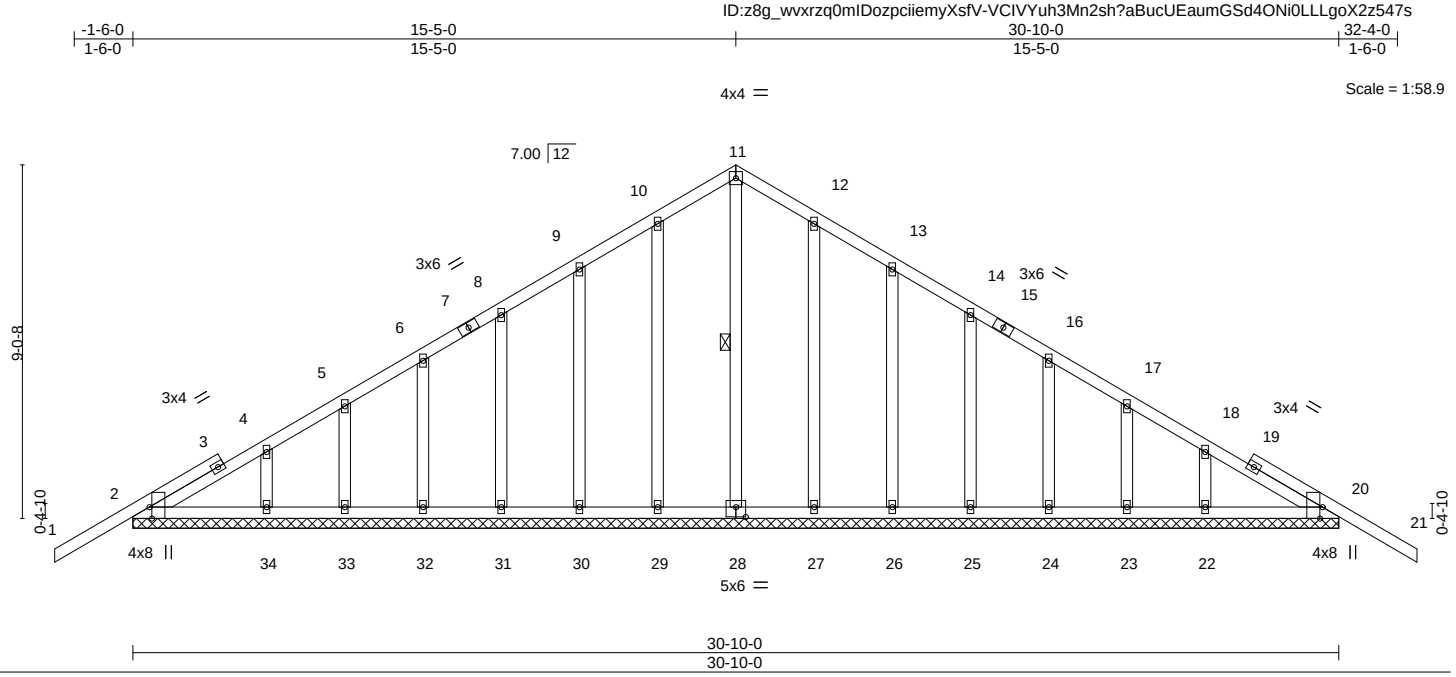


Plate Offsets (X,Y)-- [2:0-3-8,Edge], [20:0-3-8,Edge], [28:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.02	21	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.02	21	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 204 lb	FT = 20%

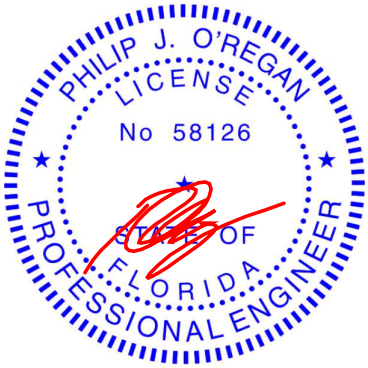
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 11-28

REACTIONS. All bearings 30-10-0.
(lb) - Max Horz 2=210(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 27, 26, 25, 24, 23, 22, 20
Max Grav All reactions 250 lb or less at joint(s) 28, 29, 30, 31, 32, 33, 34, 27, 26, 25, 24, 23, 22 except 2=259(LC 1), 20=259(LC 1)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 15-5-0, Corner(3R) 15-5-0 to 18-5-0, Exterior(2N) 18-5-0 to 32-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 29, 30, 31, 32, 33, 34, 27, 26, 25, 24, 23, 22, 20.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 20.



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Date:
June 21,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T14	ROOF SPECIAL	1	1	T24403629
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:40 2021 Page 1
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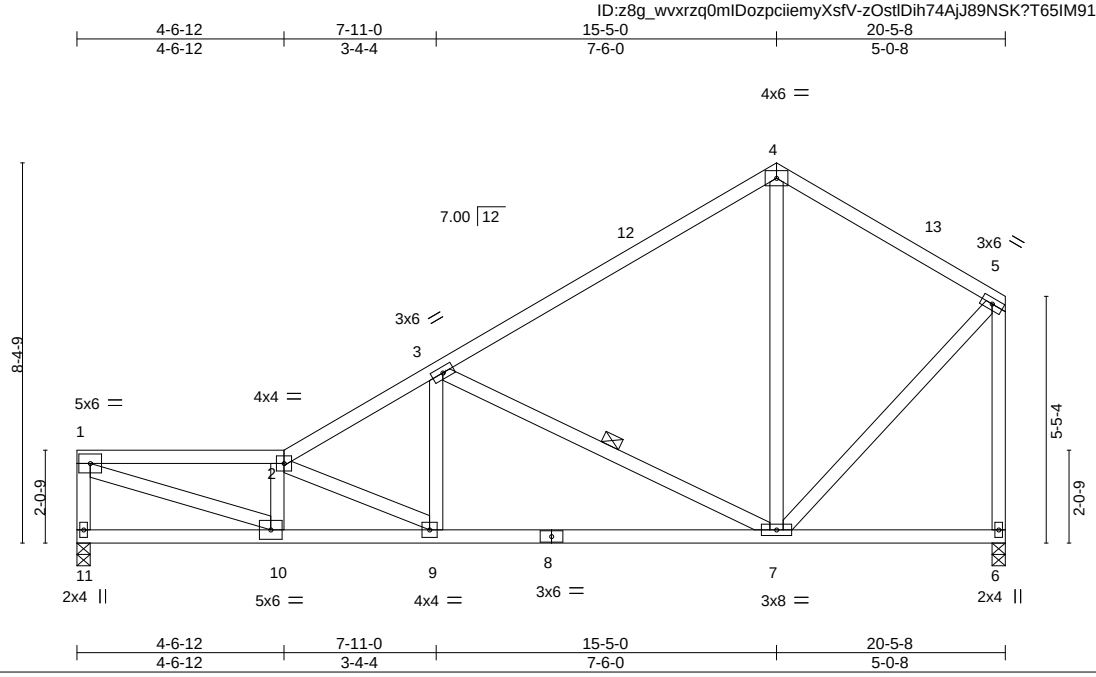


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.08	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.18	7-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 127 lb	FT = 20%

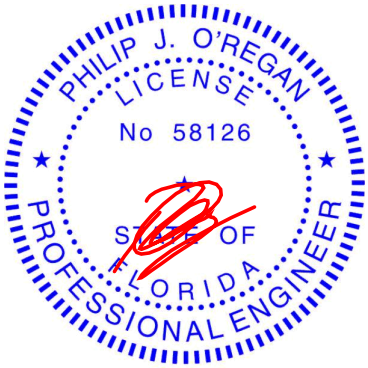
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing.
WEBS 1 Row at midpt 3-7

REACTIONS. (size) 11=0-3-8, 6=0-3-8
Max Horz 11=157(LC 12)
Max Uplift 11=-150(LC 12), 6=-163(LC 12)
Max Grav 11=746(LC 1), 6=746(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-690/159, 1-2=-1411/255, 2-3=-1212/229, 3-4=-536/117, 4-5=-484/137, 5-6=-712/172
BOT CHORD 9-10=-422/1454, 7-9=-337/1049
WEBS 1-10=-260/1464, 2-10=-519/123, 2-9=-458/95, 3-9=-8/415, 3-7=-758/278, 5-7=-127/526

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-5-0, Exterior(2R) 15-5-0 to 18-5-0, Interior(1) 18-5-0 to 20-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=150, 6=163.



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Date:
June 21,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T15	Roof Special	1	1	T24403630
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:41 2021 Page 1
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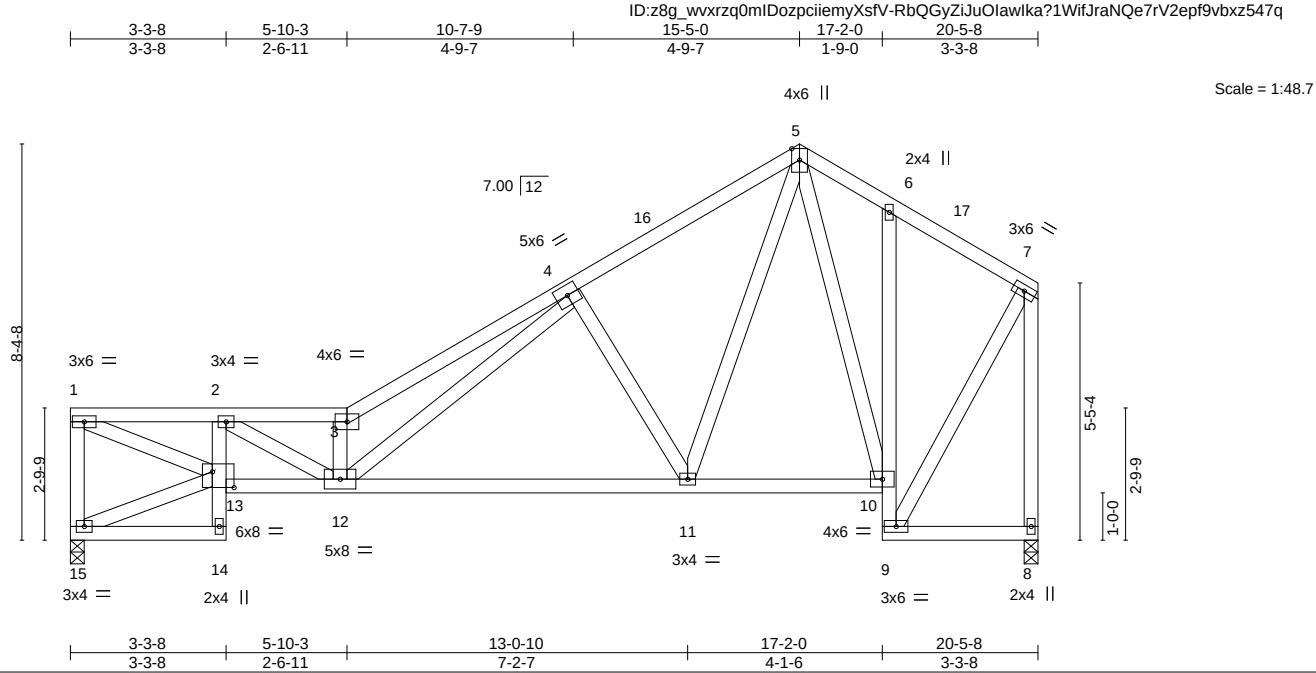


Plate Offsets (X,Y)-- [13:0-5-8,0-4-0]

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	0.34	Vert(LL)	-0.13	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.28	11-12	>879	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.14	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 148 lb	FT = 20%

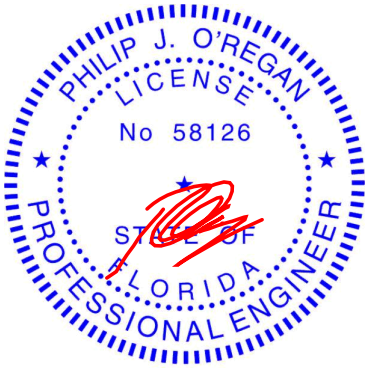
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-14,6-9: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-11-0 oc bracing: 12-13
6-0-0 oc bracing: 9-10.

REACTIONS. (size) 15=0-3-8, 8=0-3-8
Max Horz 15=131(LC 12)
Max Uplift 15=-152(LC 12), 8=-160(LC 12)
Max Grav 15=746(LC 1), 8=746(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-15=-691/207, 1-2=-1402/393, 2-3=-1989/434, 3-4=-2484/595, 4-5=-793/208, 5-6=-383/142, 6-7=-378/100, 7-8=-750/177
BOT CHORD 2-13=-466/83, 12-13=-547/1484, 11-12=-292/920, 10-11=-95/391, 9-10=-433/114
WEBS 1-13=-425/1512, 2-12=-38/592, 3-12=-1379/374, 4-12=-410/1597, 4-11=-584/257, 5-11=-199/710, 5-10=-337/99, 7-9=-130/574

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 15-5-0, Exterior(2R) 15-5-0 to 18-5-0, Interior(1) 18-5-0 to 20-3-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 15=152, 8=160.



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Date:
June 21,2021

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T16	Jack-Partial	2	1	T24403631
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:42 2021 Page 1
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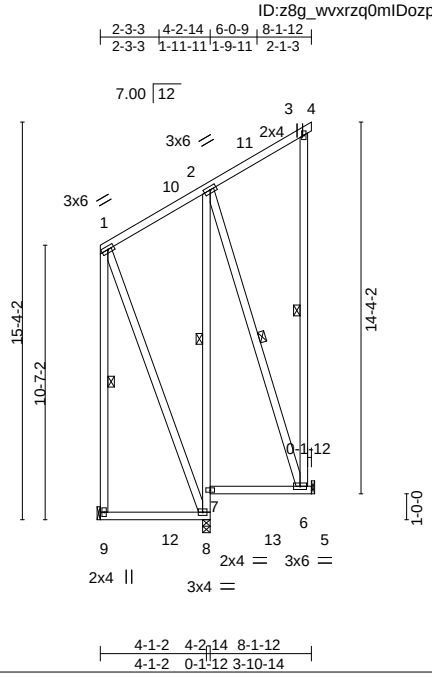


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	-0.03	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	-0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 114 lb	FT = 20%

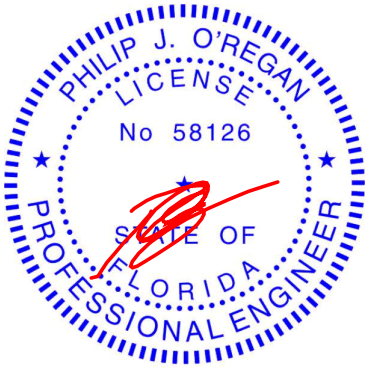
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
3-6: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 7-8.
1 Row at midpt 2-7
WEBS 1 Row at midpt 1-9, 3-6, 2-6

REACTIONS. (size) 9=Mechanical, 8=0-3-8, 6=Mechanical
Max Horz 9=142(LC 12)
Max Uplift 9=-16(LC 10), 8=-176(LC 12), 6=-199(LC 12)
Max Grav 9=302(LC 21), 8=385(LC 19), 6=256(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-276/101
BOT CHORD 7-8=-265/0
WEBS 1-8=-143/288

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-1-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 8=176, 6=199.



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Date:
June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T17	GABLE	1	1	T24403632
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:45 2021 Page 1
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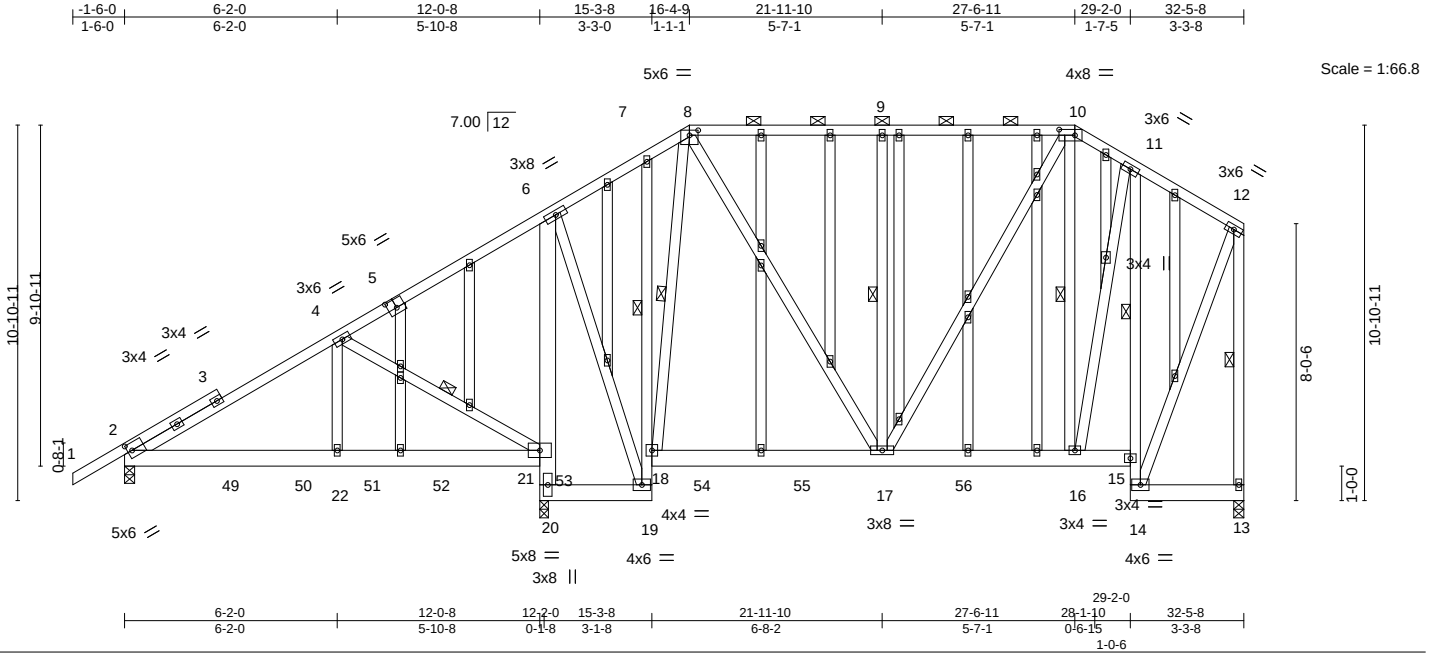


Plate Offsets (X,Y)-- [2:0-1-8,0-2-8], [5:0-3-0,0-3-0], [8:0-3-0,0-1-12], [10:0-5-8,0-2-0]

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	0.49	Vert(LL)	0.06	22-48	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.08	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.32	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 415 lb	FT = 20%

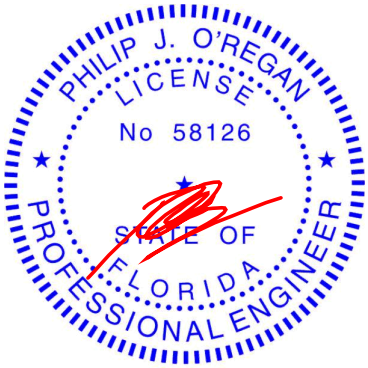
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
7-19,11-14: 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-5 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied or 4-11-8 oc bracing. Except:
1 Row at midpt 7-18, 11-15
WEBS 1 Row at midpt 4-21, 8-18, 9-17, 10-16, 12-13

REACTIONS. (size) 2=0-3-8, 20=0-3-0, 13=0-3-8
Max Horz 2=280(LC 27)
Max Uplift 2=-322(LC 8), 20=-738(LC 8), 13=-166(LC 28)
Max Grav 2=864(LC 19), 20=2043(LC 2), 13=738(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-912/340, 4-6=-169/366, 8-9=-373/156, 9-10=-373/156, 10-11=-353/147, 11-12=-272/86, 12-13=-710/179
BOT CHORD 2-22=-471/765, 21-22=-471/765, 20-21=-2008/741, 6-21=-1184/330, 18-19=-727/156, 16-17=-50/283, 14-15=-448/109, 11-15=-498/120
WEBS 4-22=-401/768, 4-21=-1122/599, 6-19=-149/842, 8-18=-570/164, 8-17=-114/505, 9-17=-349/161, 11-16=-113/372, 12-14=-112/563

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=322, 20=738, 13=166.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 307 lb down and 235 lb up at 3-0-0, 171 lb down and 118 lb up at 5-1-5, 171 lb down and 118 lb up at 7-1-5, and 171 lb down and 118 lb up at 9-1-5, and 171 lb down and 118 lb up at 11-1-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).



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Date: June 21,2021

Continued on 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: 1-8=-54, 8-10=-54, 10-12=-54, 21-46=-20, 19-20=-20, 15-18=-20, 13-14=-20
   Concentrated Loads (lb)
   Vert: 49=-307(B) 50=-171(B) 51=-171(B) 52=-171(B) 53=-171(B)

Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T18	Piggyback Base	3	1	T24403633
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:47 2021 Page 1
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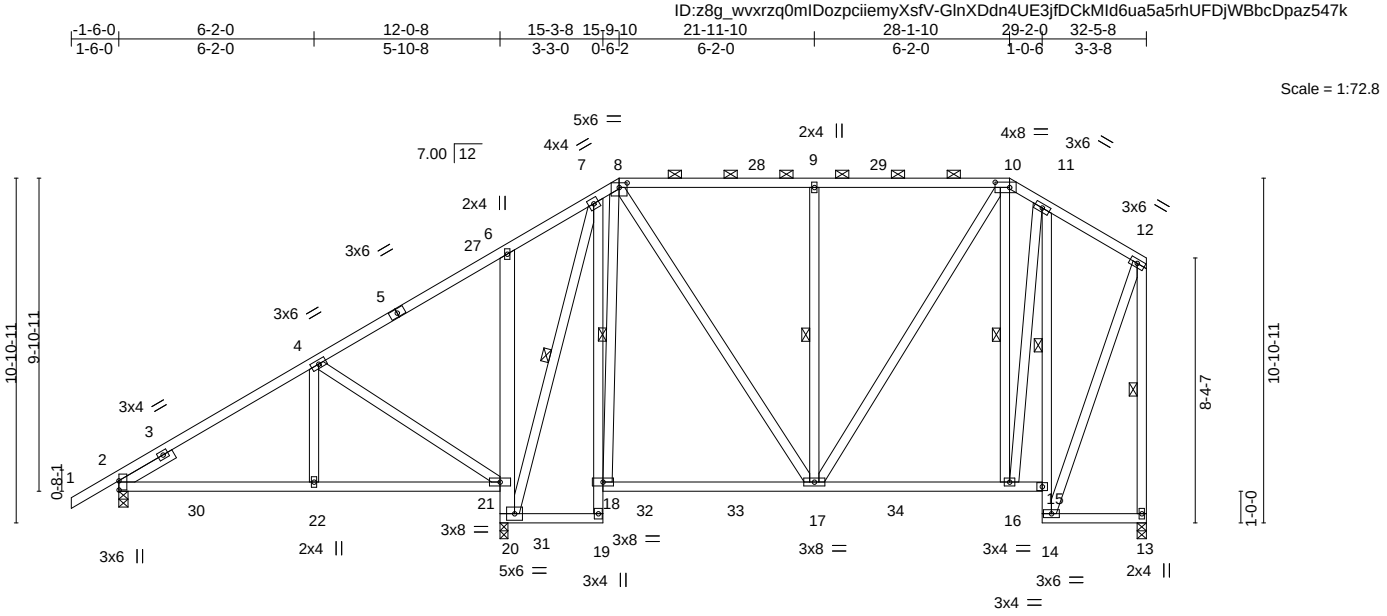


Plate Offsets (X,Y)-- [2:0-3-8,0-0-1], [8:0-3-0,0-1-12], [10:0-5-8,0-2-0]

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	0.45	Vert(LL)	-0.11	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.18	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 298 lb	FT = 20%

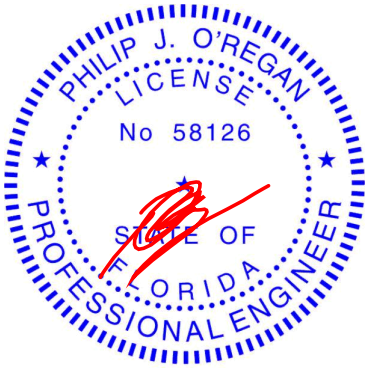
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-20: 2x6 SP No.2, 7-19,11-14: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 20-21,14-15.
1 Row at midpt 11-15
WEBS 1 Row at midpt 7-20, 8-18, 9-17, 10-16, 12-13

REACTIONS. (size) 2=0-3-8, 20=0-3-0, 13=0-3-8
Max Horz 2=287(LC 12)
Max Uplift 2=-64(LC 12), 20=-346(LC 12), 13=-153(LC 13)
Max Grav 2=459(LC 23), 20=1514(LC 2), 13=775(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-312/200, 4-6=-100/271, 8-9=-410/135, 9-10=-410/135, 10-11=-337/127, 11-12=-273/79, 12-13=-744/165
BOT CHORD 2-22=-239/300, 21-22=-239/300, 20-21=-613/358, 6-21=-273/170, 7-18=-108/616, 16-17=-41/279, 14-15=-486/100, 11-15=-618/108
WEBS 4-22=-201/268, 4-21=-509/303, 7-20=-944/145, 8-18=-407/136, 8-17=-105/500, 9-17=-388/178, 10-17=-89/259, 10-16=-263/142, 11-16=-116/501, 12-14=-100/597

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-9-10, Exterior(2R) 15-9-10 to 20-0-9, Interior(1) 20-0-9 to 28-1-10, Exterior(2E) 28-1-10 to 32-3-12 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 20=346, 13=153.
8) 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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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T19	Piggyback Base	3	1	T24403634
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:49 2021 Page 1
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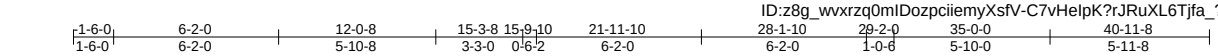

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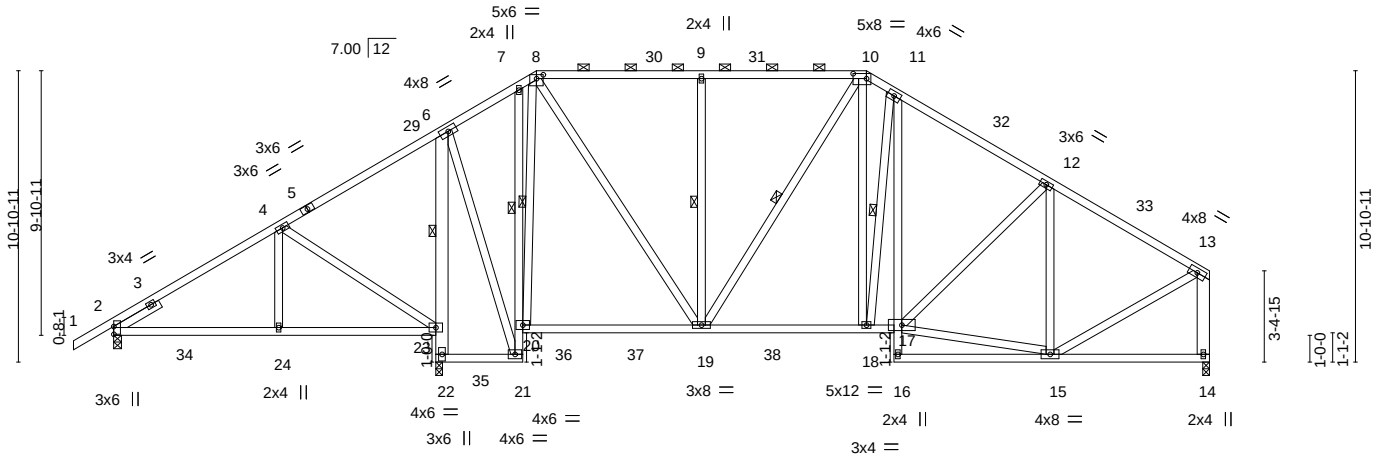


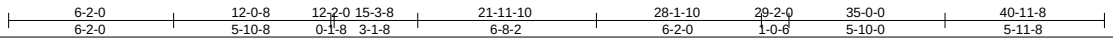


Plate Offsets (X,Y)-- [2:0-3-8,0-0-1], [8:0-3-0,0-1-12], [10:0-6-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.12	19-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.20	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 343 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except*
	6-22: 2x6 SP No.2, 7-21,11-16: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except*
	13-14: 2x6 SP No.2
SLIDER	Left 2x4 SP No.3 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
	5-2-1 oc bracing: 22-23
	6-0-0 oc bracing: 21-22
	5-2-7 oc bracing: 20-21.
	1 Row at midpt 6-23, 7-20
WEBS	1 Row at midpt 8-20, 9-19, 10-19, 11-18

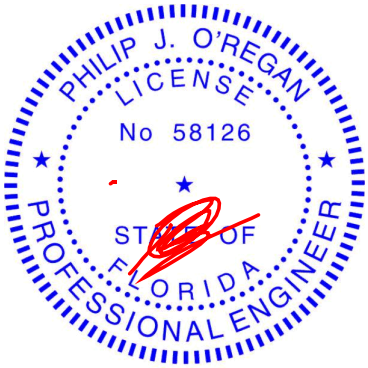
REACTIONS. (size) 2=0-3-8, 22=0-3-0, 14=0-3-0
Max Horz 2=262(LC 11)
Max Uplift 2=-141(LC 12), 22=-362(LC 9), 14=-245(LC 13)
Max Grav 2=433(LC 23), 22=1903(LC 2), 14=1126(LC 20)

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

TOP CHORD	2-4=-250/381, 4-6=-157/399, 6-7=-303/221, 7-8=-267/224, 8-9=-710/286, 9-10=-710/286, 10-11=-978/368, 11-12=-1041/323, 12-13=-1005/234, 13-14=-1040/258
BOT CHORD	2-24=-232/252, 23-24=-232/252, 22-23=-1897/438, 6-23=-1521/250, 20-21=-975/146, 18-19=-110/808, 17-18=-131/830
WEBS	4-24=-199/269, 4-23=-520/300, 6-21=-152/1129, 8-20=-812/170, 8-19=-155/911, 9-19=-382/178, 10-18=-163/607, 11-18=-303/173, 15-17=-174/696, 12-15=-394/159, 13-15=-169/872

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-9-10, Exterior(2R) 15-9-10 to 20-0-9, Interior(1) 20-0-9 to 28-1-10, Exterior(2R) 28-1-10 to 32-4-9, Interior(1) 32-4-9 to 40-8-12 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=141, 22=362, 14=245.
8) 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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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T20	Piggyback Base	1	1	T24403635
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:51 2021 Page 1
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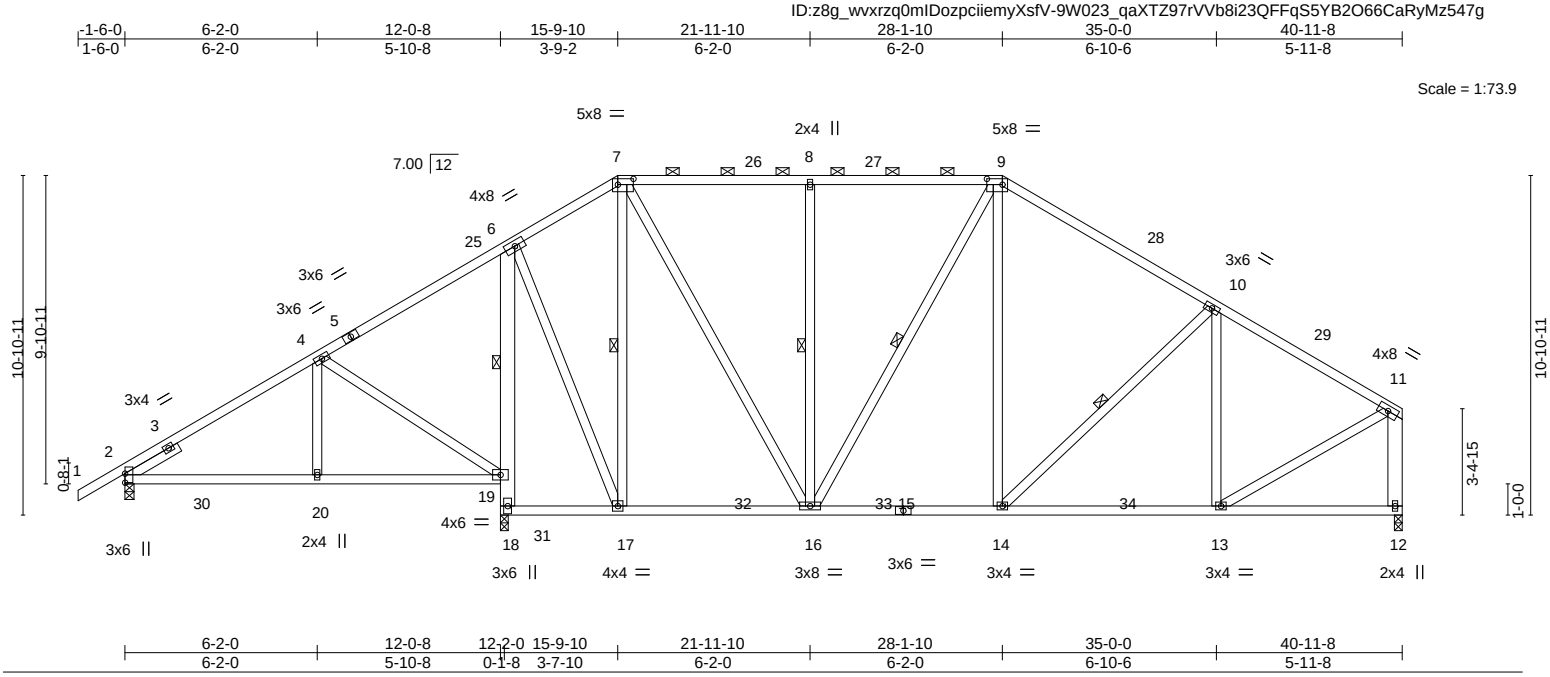


Plate Offsets (X,Y)-- [2:0-3-8,0-0-1], [7:0-6-0,0-2-4], [9:0-6-0,0-2-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	-0.08	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.14	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 304 lb	FT = 20%

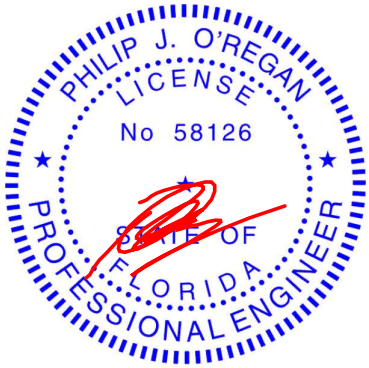
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-18: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
11-12: 2x6 SP No.2
SLIDER Left 2x4 SP No.3 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-15 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
5-9-0 oc bracing: 18-19
6-0-0 oc bracing: 17-18.
1 Row at midpt 6-19
WEBS 1 Row at midpt 7-17, 8-16, 9-16, 10-14

REACTIONS. (size) 2=0-3-8, 18=0-3-0, 12=0-3-0
Max Horz 2=262(LC 11)
Max Uplift 2=-142(LC 12), 18=-319(LC 9), 12=-242(LC 13)
Max Grav 2=544(LC 25), 18=1709(LC 2), 12=1205(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-432/323, 6-7=-498/214, 7-8=-753/273, 8-9=-753/273, 9-10=-1035/296, 10-11=-1103/235, 11-12=-1124/255
BOT CHORD 2-20=-228/473, 19-20=-228/473, 18-19=-1668/443, 6-19=-1304/203, 16-17=-90/360, 14-16=-96/825, 13-14=-183/890
WEBS 4-20=-199/266, 4-19=-502/300, 6-17=-108/944, 7-17=-639/135, 7-16=-158/789, 8-16=-387/185, 9-14=-44/412, 10-13=-288/130, 11-13=-177/989

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-9-10, Exterior(2R) 15-9-10 to 20-0-9, Interior(1) 20-0-9 to 28-1-10, Exterior(2R) 28-1-10 to 32-4-9, Interior(1) 32-4-9 to 40-8-12 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=142, 18=319, 12=242.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:
June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T21	Piggyback Base	5	1	T24403636
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:52 2021 Page 1
ID:z8g_wvxrzq0mIDozpciiemyXsfV-diaQGKrDImh0l?4h9rDHbdoPqsN4wWaFLsJ_Uoz547f

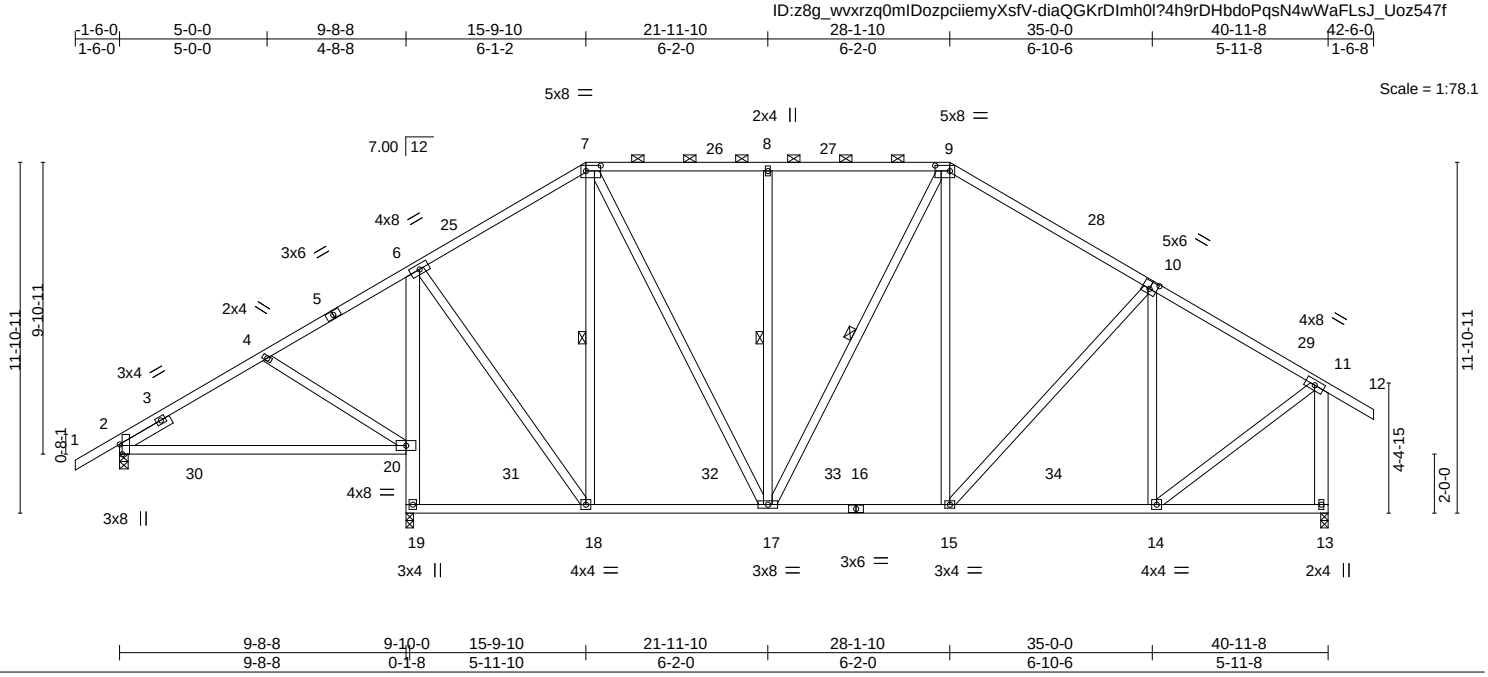


Plate Offsets (X,Y)-- [2:0-4-0,Edge], [7:0-6-0,0-2-4], [9:0-6-0,0-2-4], [10:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	0.26	20-23	>454	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.41	20-23	>288	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 312 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 6-19: 2x6 SP No.2
WEBS	2x4 SP No.3 *Except* 7-17,9-17: 2x4 SP No.2, 11-13: 2x6 SP No.2
SLIDER	Left 2x4 SP No.3 1-11-8

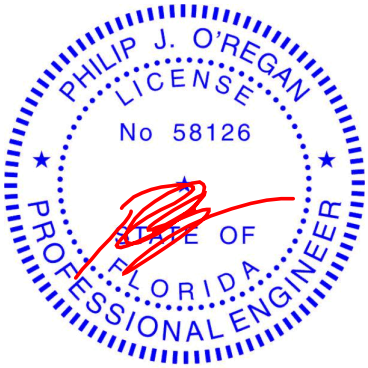
BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-9 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 5-8-13 oc bracing: 19-20 6-0-0 oc bracing: 18-19.
WEBS	1 Row at midpt 7-18, 8-17, 9-17

REACTIONS. (size) 2=0-3-8, 19=0-3-0, 13=0-3-0
Max Horz 2=293(LC 11)
Max Uplift 2=-125(LC 8), 19=-345(LC 9), 13=-289(LC 13)
Max Grav 2=450(LC 25), 19=1750(LC 2), 13=1402(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-914/675, 4-6=-262/251, 6-7=-757/243, 7-8=-855/291, 8-9=-855/291, 9-10=-1085/307, 10-11=-1068/230, 11-13=-1322/302
BOT CHORD 2-20=-123/308, 19-20=-1622/392, 6-20=-1310/258, 17-18=-91/556, 15-17=-88/868, 14-15=-158/848
WEBS 4-20=-326/160, 6-18=-142/933, 7-18=-511/155, 7-17=-141/655, 8-17=-380/183, 9-15=-38/344, 10-14=-389/138, 11-14=-160/1033

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 15-9-10, Exterior(2R) 15-9-10 to 20-0-9, Interior(1) 20-0-9 to 28-1-10, Exterior(2R) 28-1-10 to 32-4-9, Interior(1) 32-4-9 to 42-6-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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=125, 19=345, 13=289.
8) 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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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T22	PIGGYBACK BASE	1	1	T24403637
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:53 2021 Page 1
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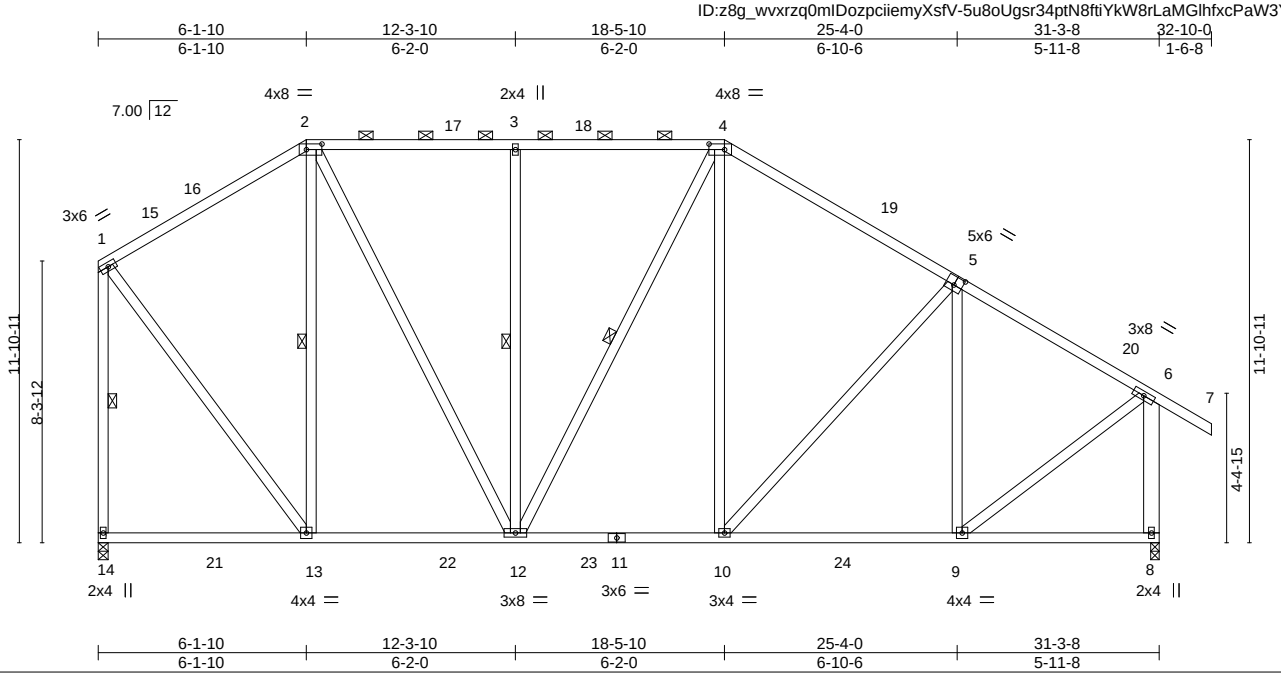


Plate Offsets (X,Y)-- [2:0-5-8,0-2-0], [4:0-5-8,0-2-0], [5:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.08	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.15	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.57	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 260 lb	FT = 20%

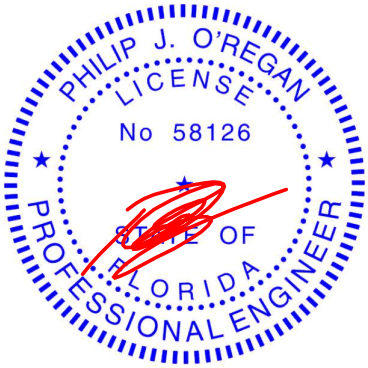
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
2-12,4-12: 2x4 SP No.2, 6-8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-1-8 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-15 max.): 2-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-13, 3-12, 4-12, 1-14

REACTIONS. (size) 14=0-3-8, 8=0-3-0
Max Horz 14=-237(LC 8)
Max Uplift 14=-216(LC 12), 8=-254(LC 13)
Max Grav 14=1349(LC 2), 8=1390(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-742/159, 2-3=-870/234, 3-4=-870/234, 4-5=-1097/263, 5-6=-1047/199, 1-14=-1226/230, 6-8=-1309/267
BOT CHORD 12-13=-166/614, 10-12=-111/879, 9-10=-131/856
WEBS 2-13=-509/152, 2-12=-190/646, 3-12=-375/182, 4-10=-50/357, 5-9=-395/119, 1-13=-142/950, 6-9=-127/1042

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 6-1-10, Exterior(2R) 6-1-10 to 10-4-9, Interior(1) 10-4-9 to 18-5-10, Exterior(2R) 18-5-10 to 22-8-9, Interior(1) 22-8-9 to 32-10-0 zone; end vertical 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=216, 8=254.
8) 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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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T23G	GABLE	1	1	T24403638
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:54 2021 Page 1
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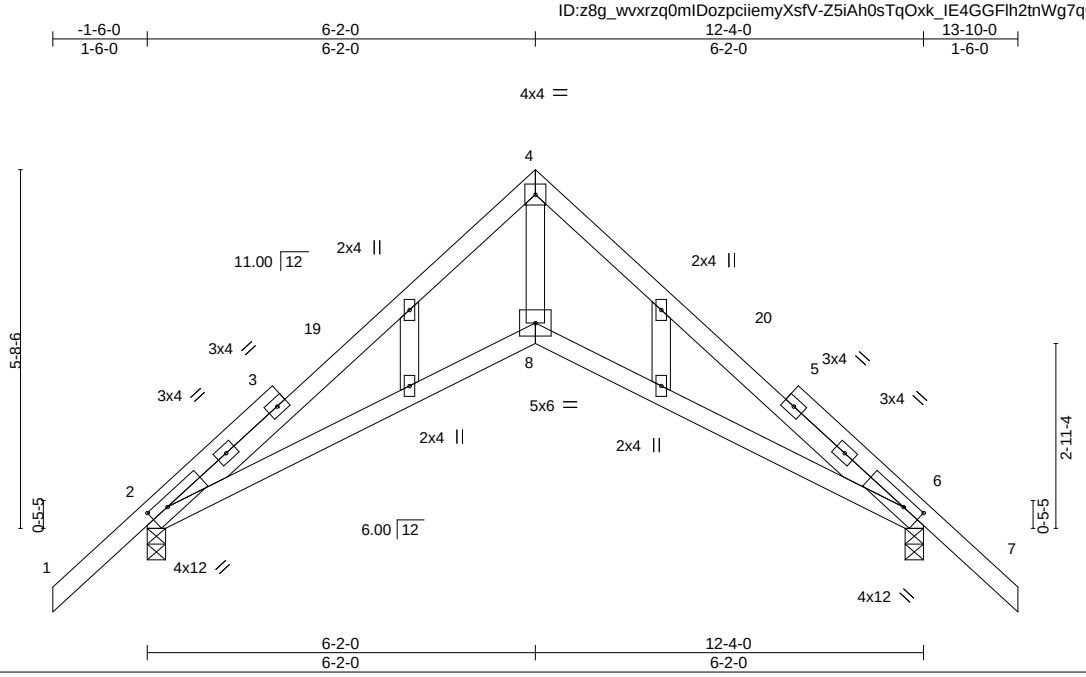


Plate Offsets (X,Y)-- [2:0-3-10,0-1-12], [6:0-3-10,0-1-12]

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	0.44	Vert(LL)	0.08	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.12	8-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.07	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 66 lb	FT = 20%

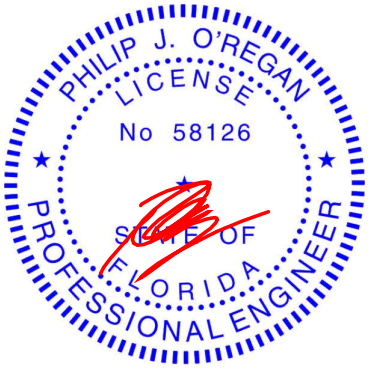
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-142(LC 10)
Max Uplift 2=-111(LC 12), 6=-111(LC 13)
Max Grav 2=534(LC 1), 6=534(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-846/70, 4-6=-862/112
BOT CHORD 2-8=-19/770, 6-8=-13/763
WEBS 4-8=-10/809

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-3-4, Interior(1) 1-3-4 to 6-2-0, Exterior(2R) 6-2-0 to 9-2-0, Interior(1) 9-2-0 to 13-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=111, 6=111.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T24	Scissor	3	1	T24403639
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:55 2021 Page 1
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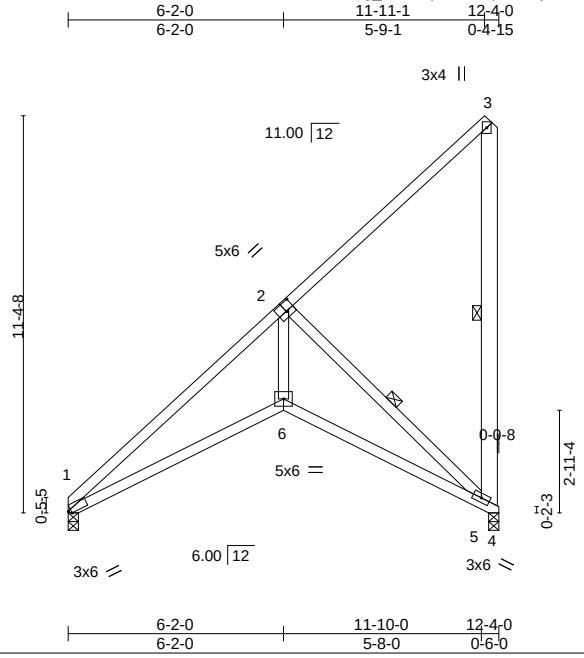


Plate Offsets (X,Y)-- [1:0-0-15,Edge], [2:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.07	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.10	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 86 lb	FT = 20%

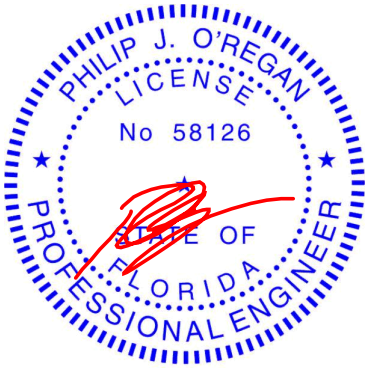
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
3-5: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-11-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-12 oc bracing.
WEBS 1 Row at midpt 2-5, 3-5

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=369(LC 12)
Max Uplift 5=-290(LC 12)
Max Grav 1=446(LC 1), 5=490(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-856/170
BOT CHORD 1-6=-462/724, 5-6=-457/725
WEBS 2-6=-382/748, 2-5=-856/554

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 12-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=290.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T24A	SCISSORS	3	1	T24403640
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:56 2021 Page 1
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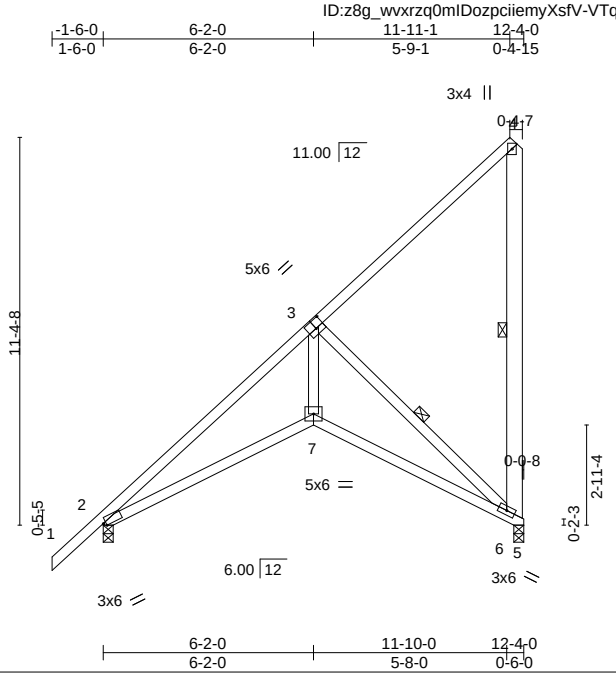


Plate Offsets (X,Y)-- [2:0-0-15,Edge], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	0.06	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.35	Vert(CT)	-0.10	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 89 lb	FT = 20%

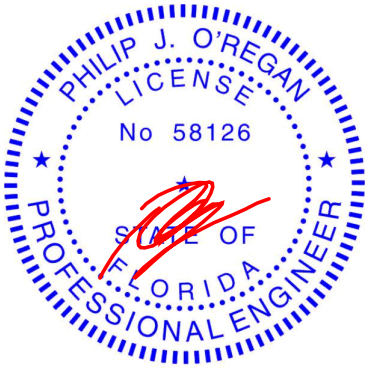
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-6: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-5 oc bracing.
WEBS 1 Row at midpt 3-6, 4-6

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=409(LC 12)
Max Uplift 6=-287(LC 12)
Max Grav 2=532(LC 1), 6=486(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-839/158
BOT CHORD 2-7=-449/705, 6-7=-445/708
WEBS 3-7=-367/726, 3-6=-835/539

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 12-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=287.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T24G	GABLE	1	1	T24403641
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:58 2021 Page 1
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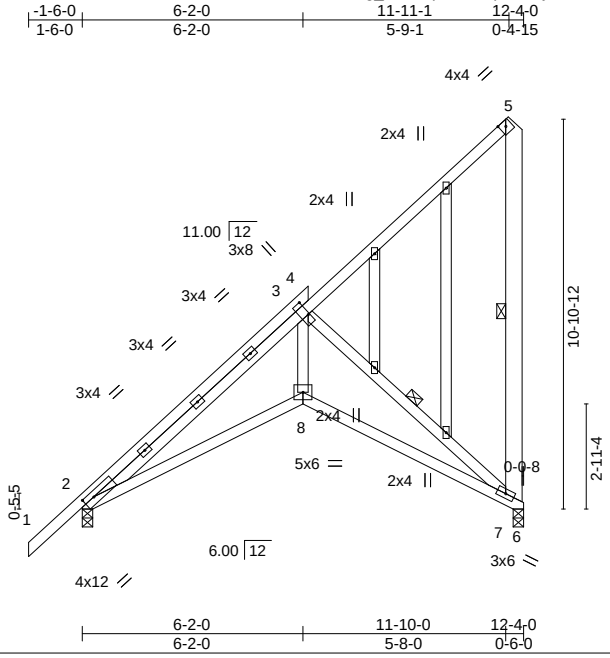


Plate Offsets (X,Y)-- [2:0-3-10,0-1-12], [3:0-5-0,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.05	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.10	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.29	Horz(CT)	0.07	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 115 lb	FT = 20%

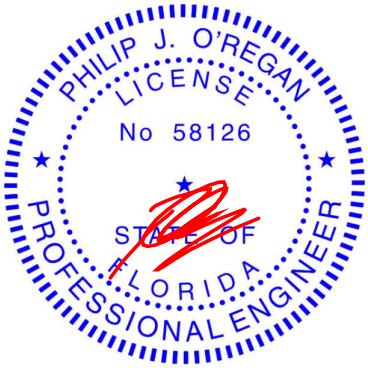
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
5-7: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.
WEBS 1 Row at midpt 5-7, 3-7

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=395(LC 12)
Max Uplift 7=-272(LC 12)
Max Grav 2=536(LC 1), 7=476(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-831/183
BOT CHORD 2-8=-457/746, 7-8=-463/763
WEBS 3-8=-375/761, 3-7=-885/551

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-3-4, Interior(1) 1-3-4 to 12-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable studs spaced at 2-0-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=272.



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June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T25	Monopitch	2	1	T24403642
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:36:59 2021 Page 1
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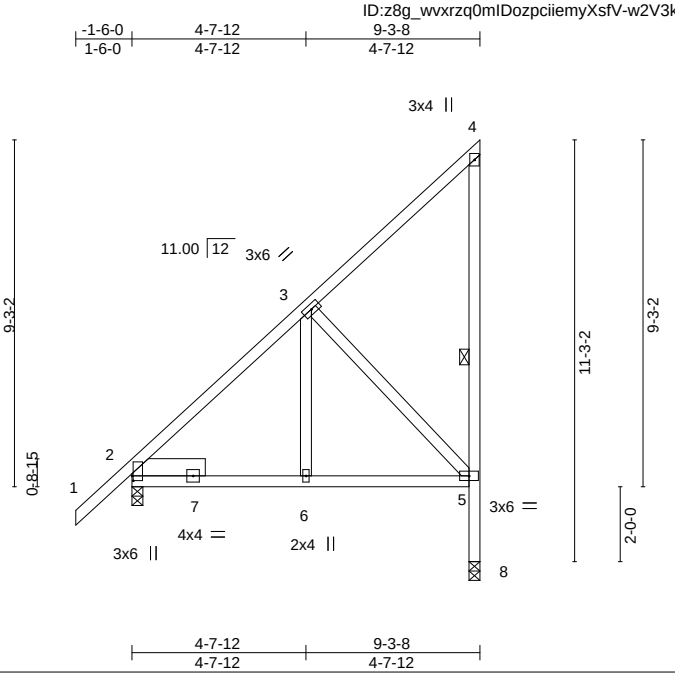


Plate Offsets (X,Y)-- [2:0-1-9,0-0-6]

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	0.44	Vert(LL)	0.04	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	-0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 72 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
4-8: 2x4 SP No.2
SLIDER Left 2x6 SP No.2 1-11-8

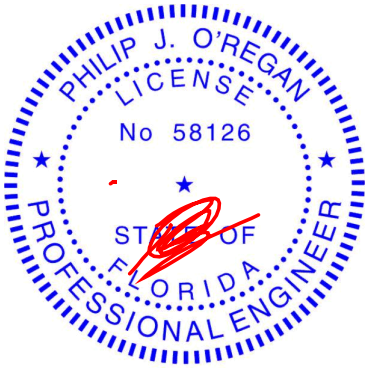
REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=352(LC 11)
Max Uplift 2=-77(LC 8), 8=-226(LC 9)
Max Grav 2=426(LC 1), 8=335(LC 19)

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-9 oc bracing.
WEBS 1 Row at midpt 4-8

VERTICAL LEGS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY SUPPORTS (BEARINGS).

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-379/282, 5-8=-362/626
BOT CHORD 2-6=-646/457, 5-6=-472/323
WEBS 3-5=-269/474, 3-6=-312/200

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 9-1-12 zone; end vertical 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) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 8=226.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	T25G	Monopitch Supported Gable	1	1	T24403643
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:00 2021 Page 1
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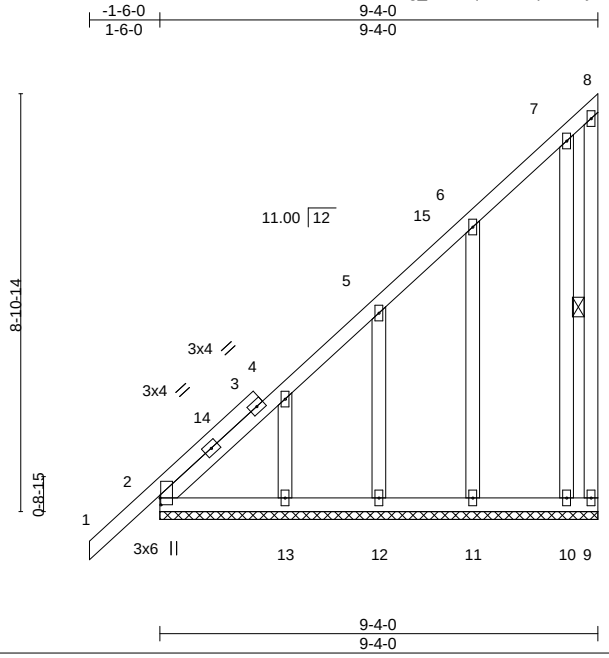


Plate Offsets (X,Y)-- [2:0-1-12,0-0-3]

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	0.18	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 82 lb	FT = 20%

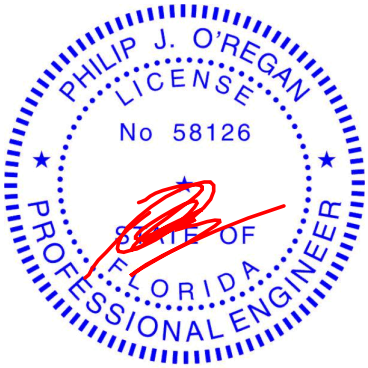
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 8-9

REACTIONS. All bearings 9-4-0.
(lb) - Max Horz 2=309(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 9, 12, 10 except 13=-102(LC 12), 11=-101(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 13, 11, 10

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-512/255, 4-5=-377/173, 5-6=-258/115

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 9-2-4 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) 9, 12, 10 except (jt=lb) 13=102, 11=101.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	TG01	Flat Girder	1	1	T24403644
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:01 2021 Page 1
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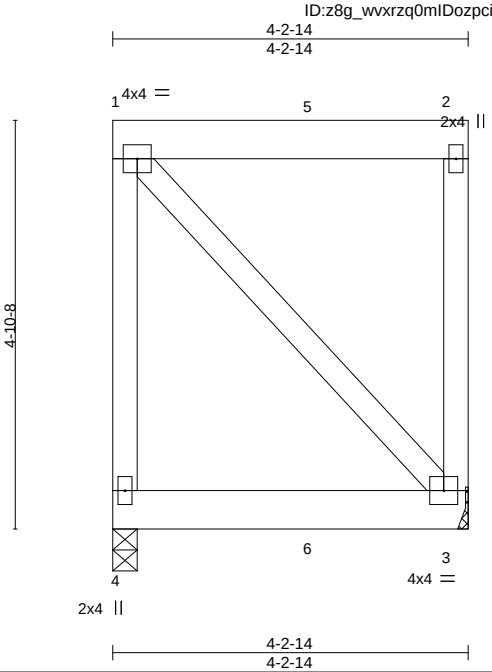

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.01	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 40 lb	FT = 20%

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

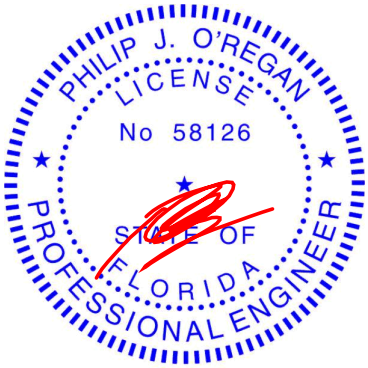
BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=0-3-8, 3=Mechanical
Max Uplift 4=-138(LC 4), 3=-79(LC 4)
Max Grav 4=281(LC 1), 3=198(LC 1)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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) 3 except (jt=lb) 4=138.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 34 lb down and 9 lb up at 0-1-12, and 43 lb down and 8 lb up at 2-5-4 on top chord, and 97 lb down and 78 lb up at 0-1-12, and 90 lb down and 85 lb up at 2-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 3-4=-20
Concentrated Loads (lb)
Vert: 4=-97(F) 6=-90(F)



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V01	Valley	1	1	T24403645
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:02 2021 Page 1
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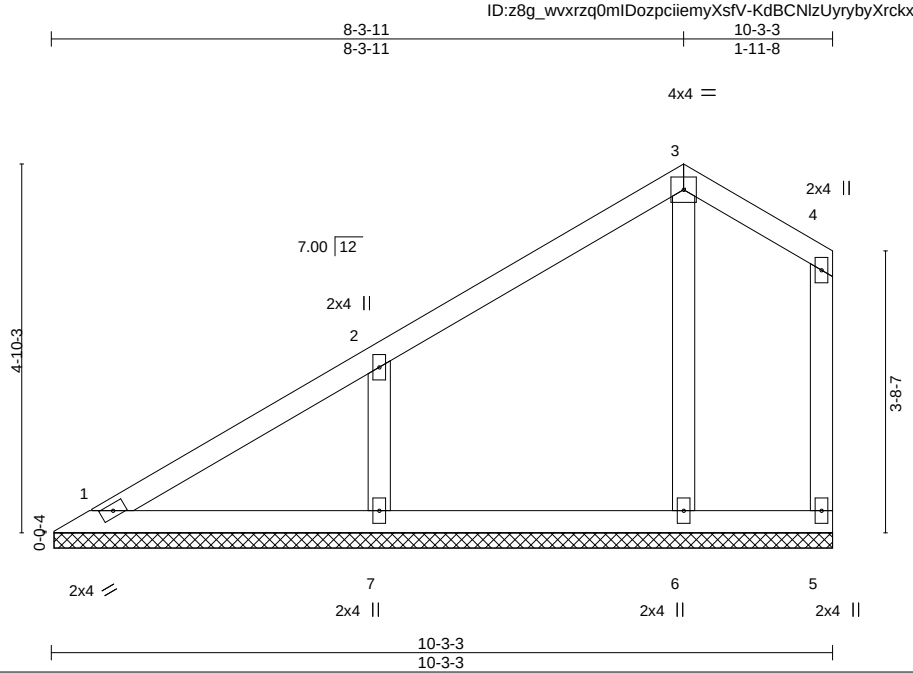

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LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 46 lb	FT = 20%

LUMBER-

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

BRACING-

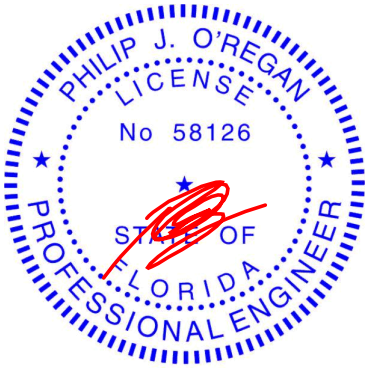
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-2-12.
(lb) - Max Horz 1=131(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5, 6 except 7=-143(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 6 except 7=352(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-7=-258/195

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 8-3-11, Exterior(2E) 8-3-11 to 10-1-7 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 5, 6 except (jt=lb) 7=143.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V01G	GABLE	1	1	T24403646
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:03 2021 Page 1
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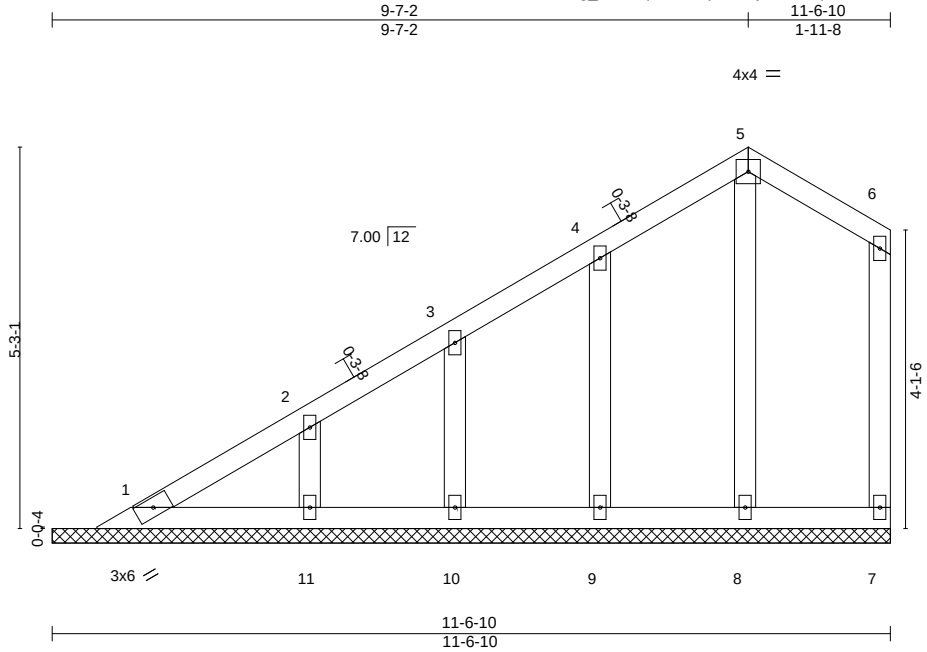


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							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.

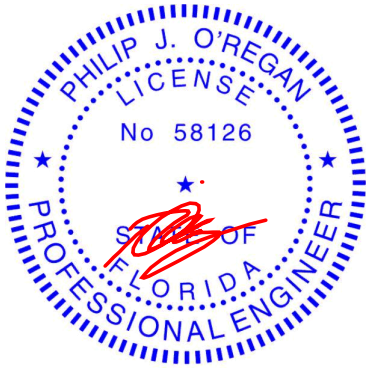
TRUSS DESIGNED FOR WIND LOADS IN THE PLANE OF THE TRUSS ONLY. FOR STUDS EXPOSED TO WIND (NORMAL TO THE FACE), SEE STANDARD INDUSTRY GABLE END DETAILS AS APPLICABLE, OR CONSULT QUALIFIED BUILDING DESIGNER AS PER ANSI/TPI 1.

REACTIONS. All bearings 11-6-10.
(lb) - Max Horz 1=145(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 7, 8, 9, 10, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 8, 9, 10, 11

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 1-1-7 to 4-1-7, Interior(1) 4-1-7 to 9-7-2, Exterior(2E) 9-7-2 to 11-4-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 7, 8, 9, 10, 11.



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June 21,2021

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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V02	Valley	1	1	T24403647
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:04 2021 Page 1
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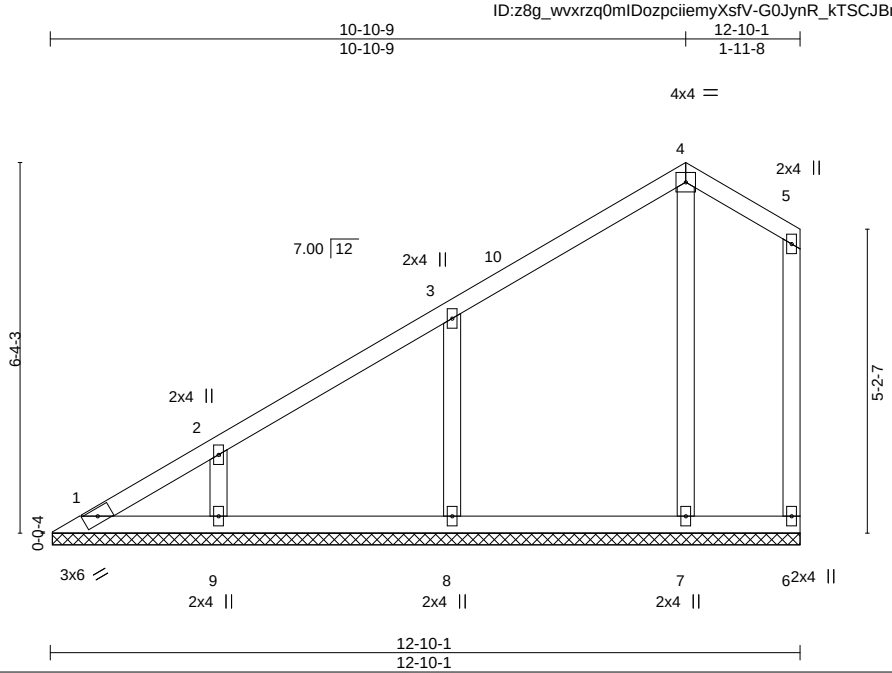


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 63 lb	FT = 20%

LUMBER-

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

BRACING-

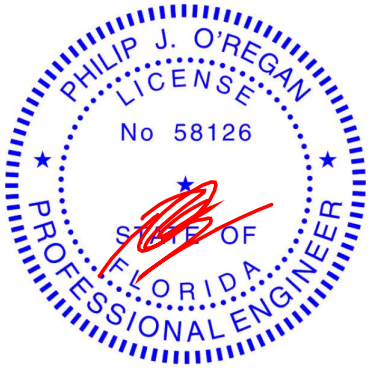
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 12-9-10.
(lb) - Max Horz 1=181(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 6, 7 except 8=-136(LC 12), 9=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=308(LC 19), 8=429(LC 19), 9=311(LC 19)

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

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 10-10-9, Exterior(2E) 10-10-9 to 12-8-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 1, 6, 7 except (jt=lb) 8=136, 9=104.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V03	Valley	1	1	T24403648
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:05 2021 Page 1
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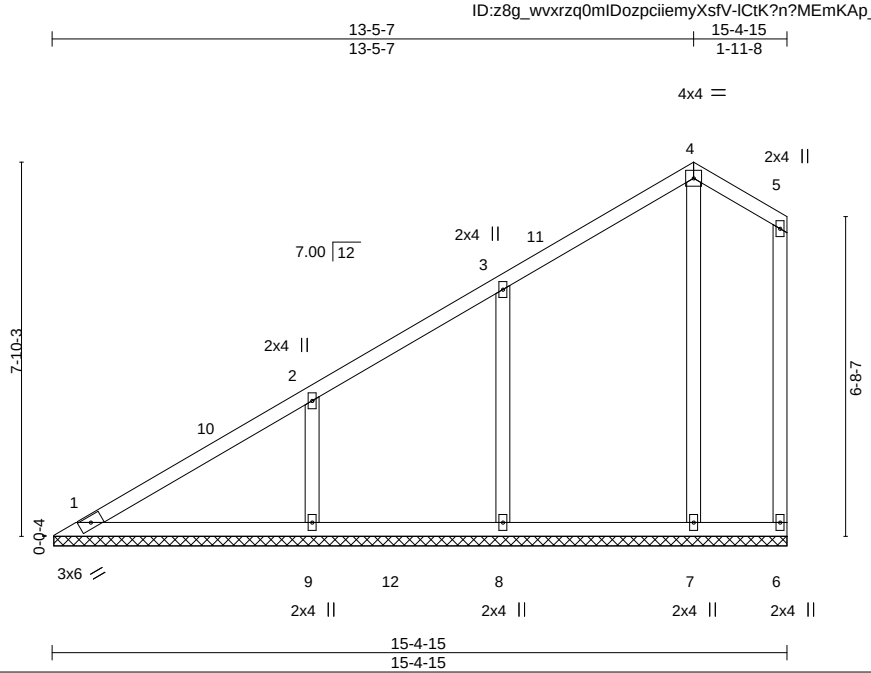


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 80 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

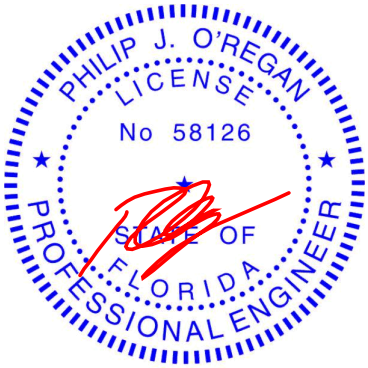
BRACING-

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 15-4-8.
(lb) - Max Horz 1=232(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 6, 7 except 8=-121(LC 12), 9=-157(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 1, 6 except 7=317(LC 19), 8=413(LC 19), 9=479(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-283/178

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 13-5-7, Exterior(2E) 13-5-7 to 15-3-3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 6, 7 except (jt=lb) 8=121, 9=157.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V04	Valley	1	1	T24403649
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:06 2021 Page 1
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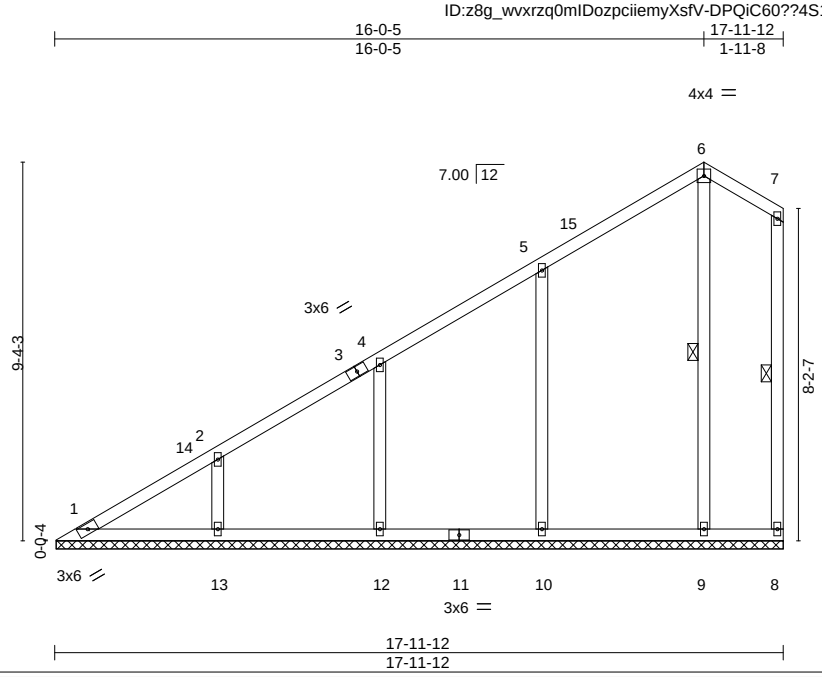


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-S							Weight: 100 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

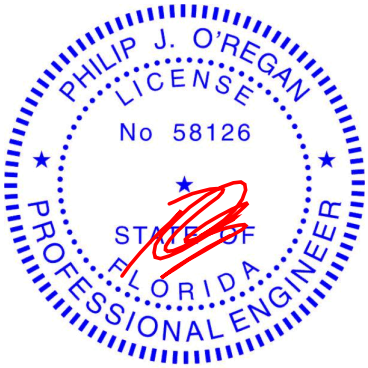
BRACING-

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.
WEBS	1 Row at midpt 7-8, 6-9

REACTIONS. All bearings 17-11-6.
(lb) - Max Horz 1=282(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 8, 1, 9 except 10=-133(LC 12), 12=-118(LC 12), 13=-128(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 8, 1 except 9=304(LC 19), 10=455(LC 19), 12=384(LC 19), 13=378(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-299/165

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 16-0-5, Exterior(2E) 16-0-5 to 17-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 1, 9 except (jt=lb) 10=133, 12=118, 13=128.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V05	Valley	1	1	T24403650
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:07 2021 Page 1
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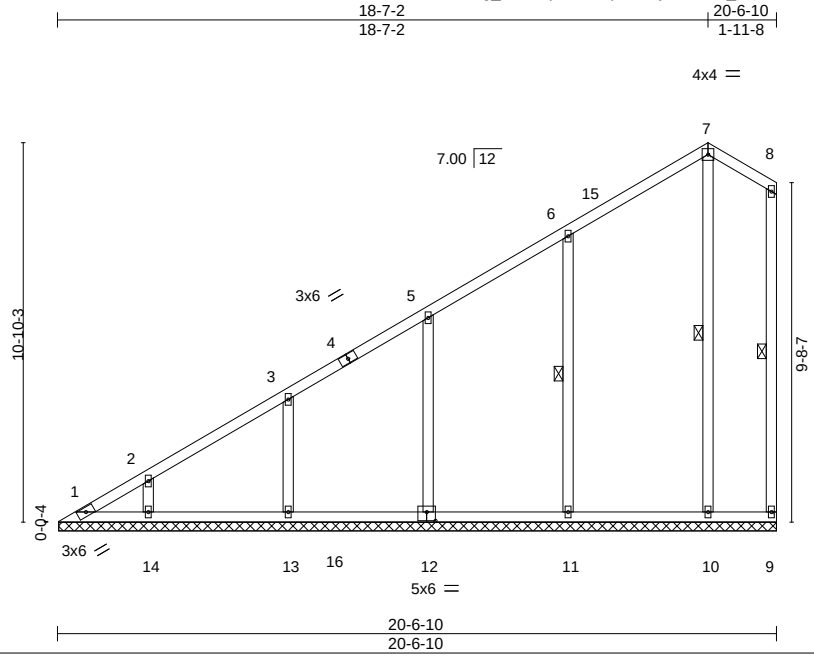


Plate Offsets (X,Y)-- [12:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	-0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 121 lb	FT = 20%

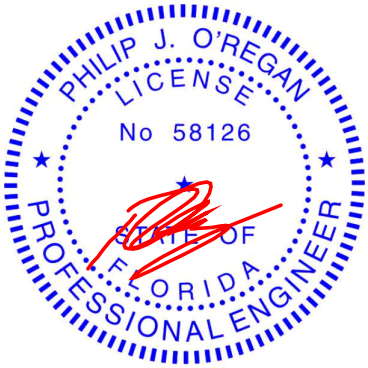
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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.
WEBS 1 Row at midpt 8-9, 7-10, 6-11

REACTIONS. All bearings 20-6-3.
(lb) - Max Horz 1=332(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 9, 1, 10 except 11=-132(LC 12), 12=-118(LC 12), 13=-126(LC 12), 14=-104(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 9, 1 except 10=305(LC 19), 11=451(LC 19), 12=419(LC 19), 13=398(LC 19), 14=308(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-374/205, 2-3=-304/167

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 18-7-2, Exterior(2E) 18-7-2 to 20-4-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 1, 10 except (jt=lb) 11=132, 12=118, 13=126, 14=104.



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Date:
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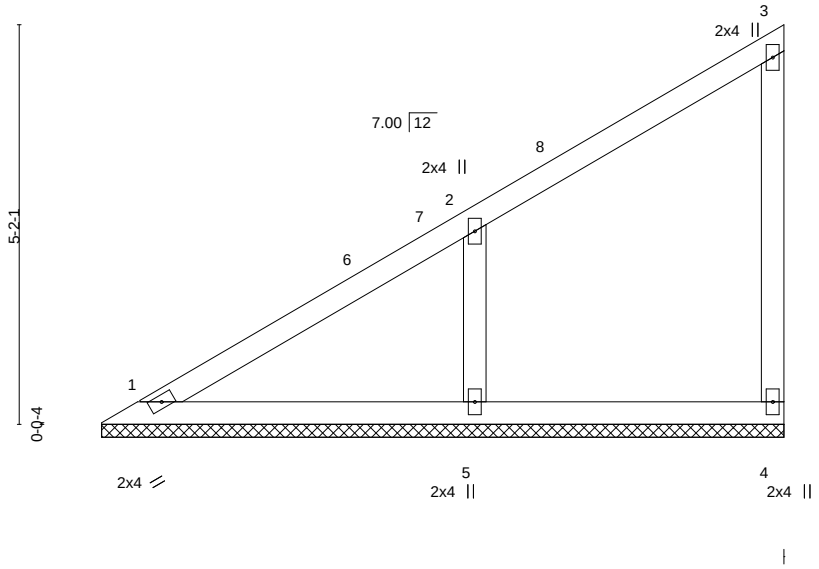
Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V06	Valley	1	1	T24403651
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:08 2021 Page 1
ID:z8g_wvxrzq0mIDozpciiemyXsfV-9nYTdo1FXhilgSIm4CV1F?TDUJzpgrNc0MBq2tz547P

8-10-6
8-10-6

Scale = 1:29.8



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	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 38 lb	FT = 20%

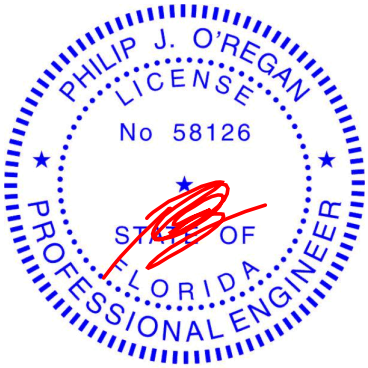
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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. (size) 1=8-9-15, 4=8-9-15, 5=8-9-15
Max Horz 1=143(LC 12)
Max Uplift 4=-24(LC 14), 5=-137(LC 12)
Max Grav 1=127(LC 1), 4=109(LC 19), 5=382(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-276/184

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 8-8-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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) 4 except (jt=lb) 5=137.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V07	Valley	1	1	T24403652
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:09 2021 Page 1
ID:z8g_wvxrzq0mIDozpciiemyXsfV-dz6rr82tI?qcHctyev0GnD?MrjIHPH0lF0xObJz547O

8-10-10
8-10-10

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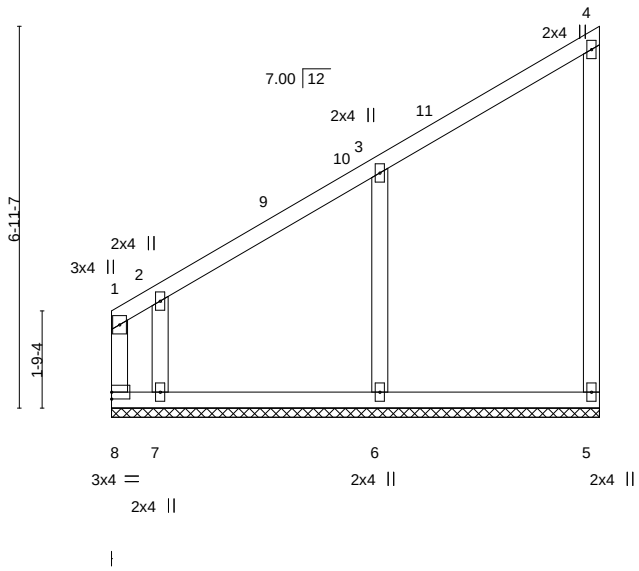


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 49 lb	FT = 20%

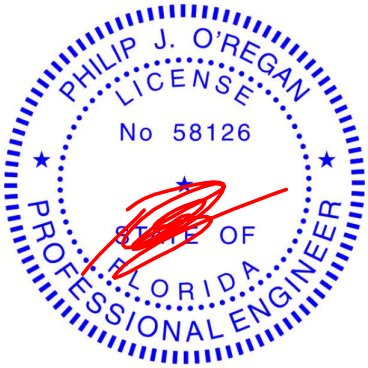
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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 8-10-10.
(lb) - Max Horz 8=151(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 5 except 8=-211(LC 10), 6=-105(LC 12), 7=-453(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 5 except 8=452(LC 12), 6=436(LC 19), 7=404(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-8=-304/180, 1-2=-297/172
WEBS 2-7=-241/316

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 8-8-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 8=211, 6=105, 7=453.



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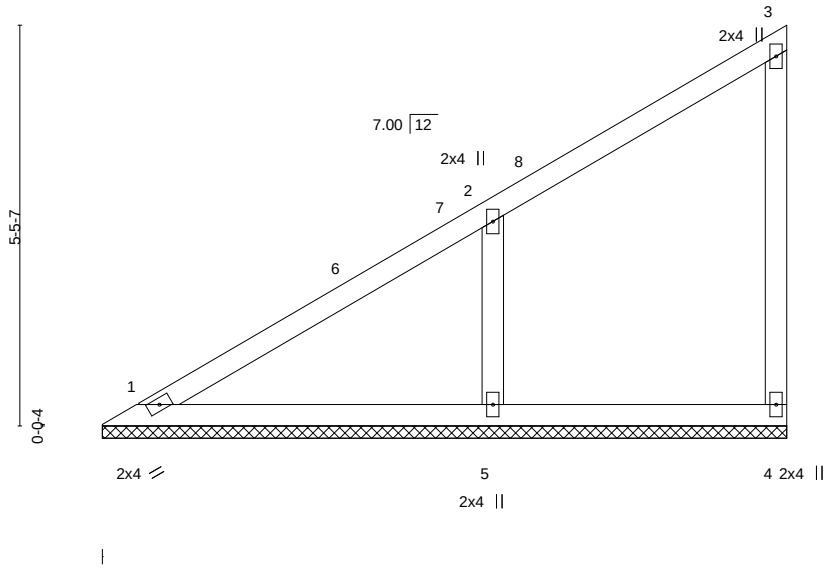
Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V08	Valley	1	1	T24403653
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:10 2021 Page 1
ID:z8g_wvxrzq0mIDozpciiemyXsfV-5AgD2U3V3lyTvmS8CdXVKQYZO6fu8llvUggx7lz547N

8-10-10
8-10-10

Scale = 1:31.4



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	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 40 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-

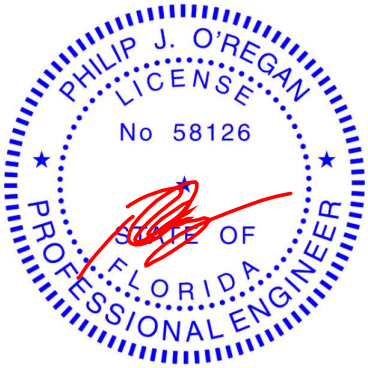
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=9-3-12, 4=9-3-12, 5=9-3-12
Max Horz 1=150(LC 12)
Max Uplift 4=-23(LC 14), 5=-143(LC 12)
Max Grav 1=143(LC 1), 4=102(LC 19), 5=410(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-295/194

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-15 to 3-0-15, Interior(1) 3-0-15 to 8-8-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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) 4 except (jt=lb) 5=143.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V09	VALLEY	1	1	T24403654
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:11 2021 Page 1
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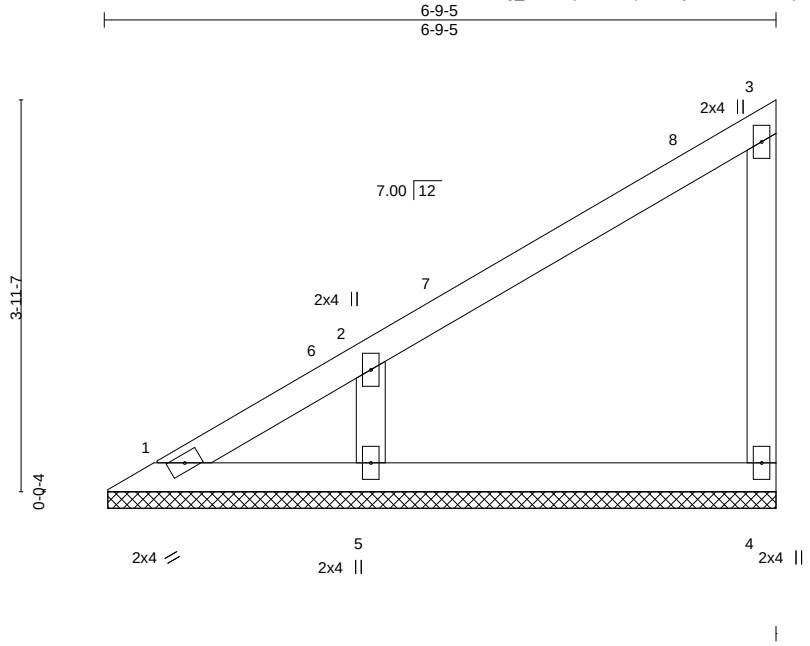


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 27 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-

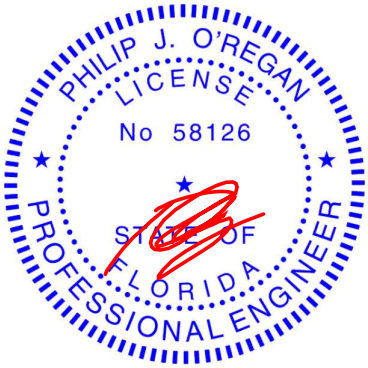
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=6-8-14, 4=6-8-14, 5=6-8-14
Max Horz 1=115(LC 12)
Max Uplift 1=-5(LC 10), 4=-41(LC 12), 5=-123(LC 12)
Max Grav 1=55(LC 12), 4=122(LC 19), 5=311(LC 19)

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

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 6-7-9 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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) 1, 4 except (jt=lb) 5=123.



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Job	Truss	Truss Type	Qty	Ply	JON MORRIS
2478875	V10	VALLEY	1	1	T24403655
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.430 s Jun 2 2021 MiTek Industries, Inc. Fri Jun 18 10:37:12 2021 Page 1
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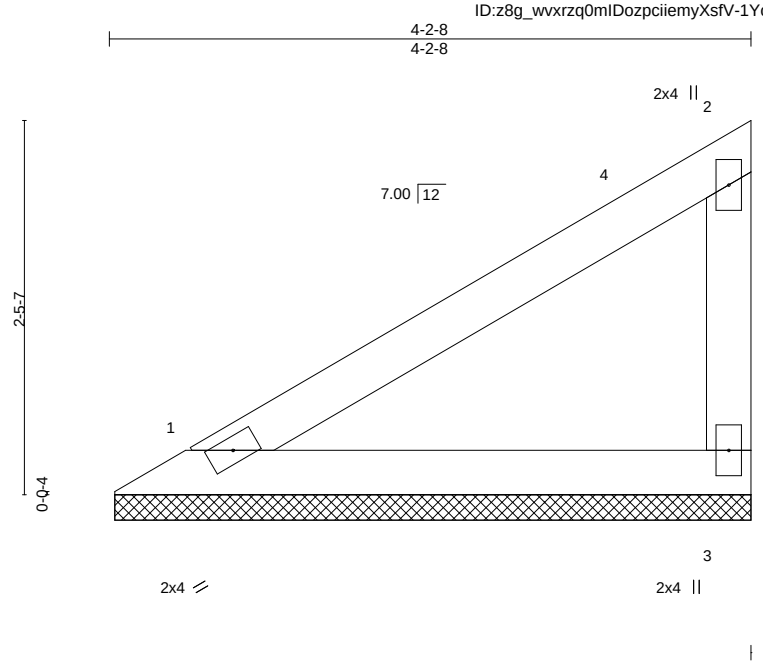


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%

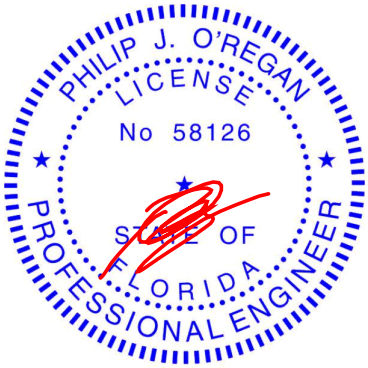
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-2-1, 3=4-2-1
Max Horz 1=69(LC 12)
Max Uplift 1=-13(LC 12), 3=-53(LC 12)
Max Grav 1=130(LC 1), 3=134(LC 19)

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

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-6-8 to 3-6-8, Interior(1) 3-6-8 to 4-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) 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) 1, 3.



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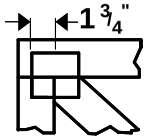
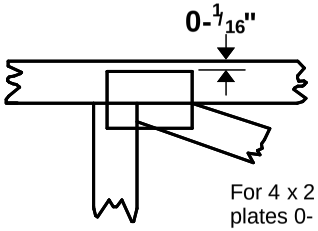
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

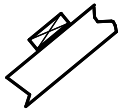
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

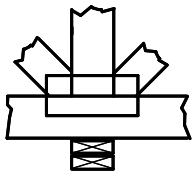
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

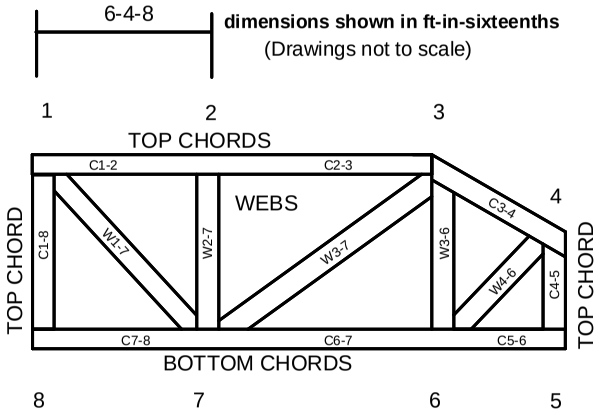


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

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

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/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 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/TPI 1 Quality Criteria.

21.The design does not take into account any dynamic or other loads other than those expressly stated.