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

RE: 2452221 - IC CONST. - JEFFCOAT

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

Site Information:

Customer Info: IC Construction Project Name: Jeffcoat Model: Garage/Breezeway
Lot/Block: N/A Subdivision: N/A
Address: 3261 SW Fry Ave., 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):

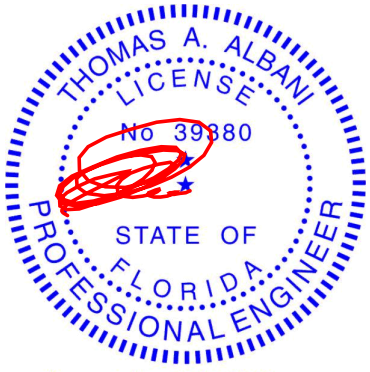
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 16 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
1	T21090193	CJ01	8/21/20
2	T21090194	CJ01A	8/21/20
3	T21090195	CJ03	8/21/20
4	T21090196	CJ03A	8/21/20
5	T21090197	CJ05	8/21/20
6	T21090198	CJ05A	8/21/20
7	T21090199	EJ01	8/21/20
8	T21090200	EJ02	8/21/20
9	T21090201	HJ10	8/21/20
10	T21090202	T01	8/21/20
11	T21090203	T01A	8/21/20
12	T21090204	T02	8/21/20
13	T21090205	T03	8/21/20
14	T21090206	T04	8/21/20
15	T21090207	T05	8/21/20
16	T21090208	T06	8/21/20

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-Jacksonville.

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2021.



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Date:
August 21,2020

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.

Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	CJ01	Jack-Open	6	1	T21090193
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:43 2020 Page 1
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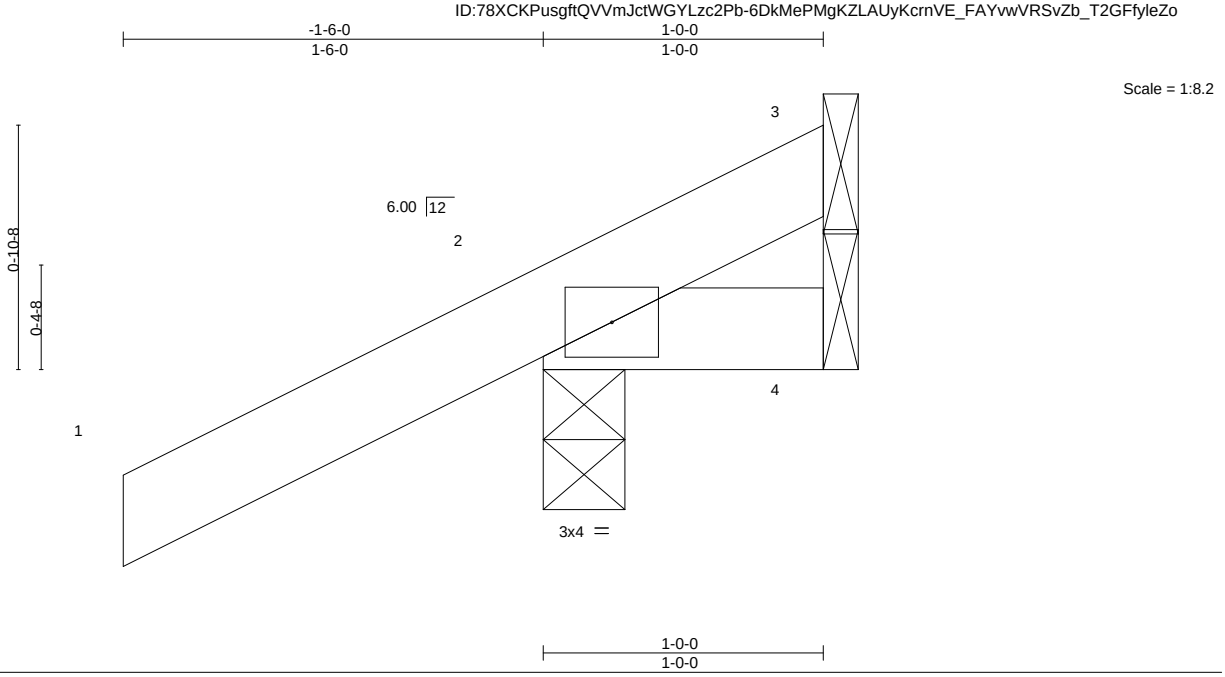


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 6 lb	FT = 20%

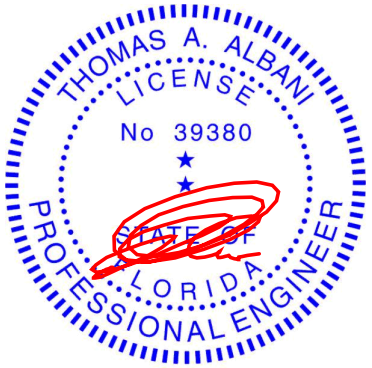
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=55(LC 12)
Max Uplift 3=-6(LC 1), 2=-107(LC 12), 4=-19(LC 1)
Max Grav 3=12(LC 8), 2=179(LC 1), 4=25(LC 16)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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=107.



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August 21,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	CJ01A	Jack-Open	2	1	T21090194
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:43 2020 Page 1
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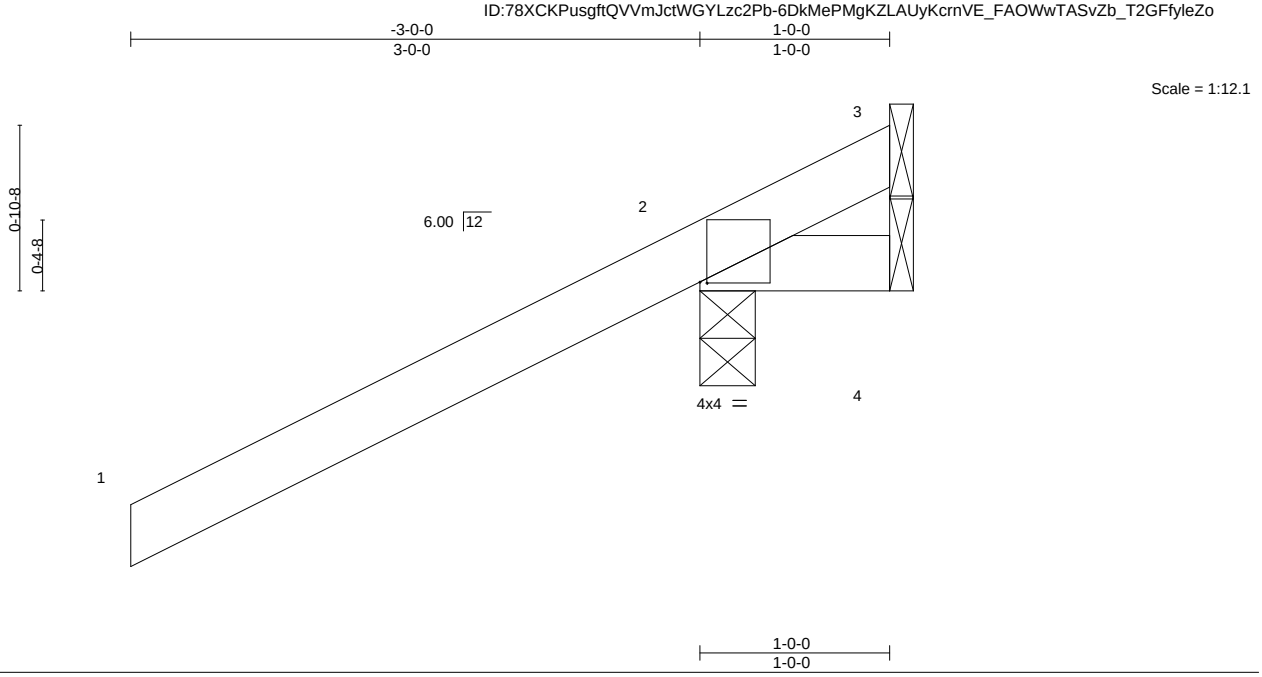


Plate Offsets (X,Y)-- [2:0-0-7,0-0-1]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 8 lb	FT = 20%

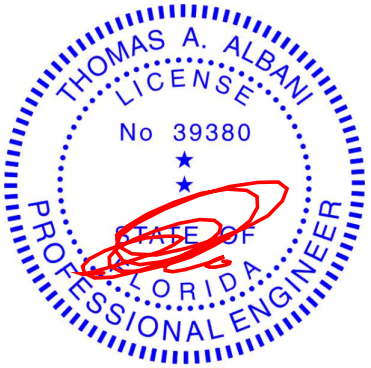
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=87(LC 12)
Max Uplift 3=-87(LC 1), 2=-304(LC 12), 4=-122(LC 1)
Max Grav 3=68(LC 12), 2=445(LC 1), 4=103(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=304, 4=122.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	CJ03	Jack-Open	6	1	T21090195
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:44 2020 Page 1
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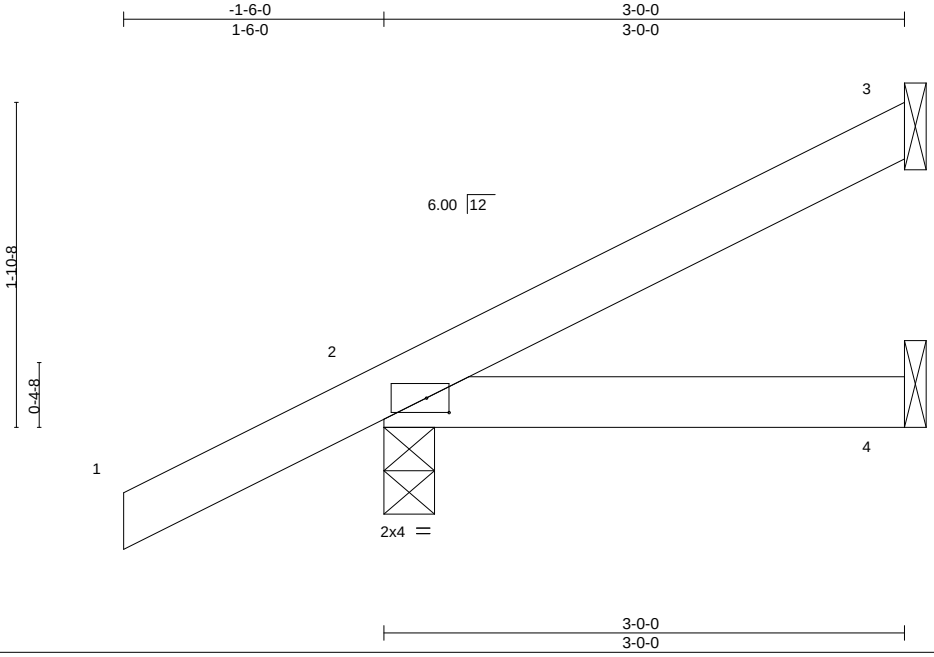


Plate Offsets (X,Y)-- [2:0-1-9,0-1-0]

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	0.17	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 12 lb	FT = 20%

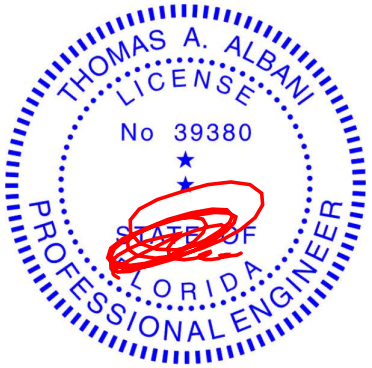
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=103(LC 12)
Max Uplift 3=-54(LC 12), 2=-97(LC 12)
Max Grav 3=60(LC 1), 2=210(LC 1), 4=50(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	CJ03A	Jack-Open	2	1	T21090196
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:45 2020 Page 1
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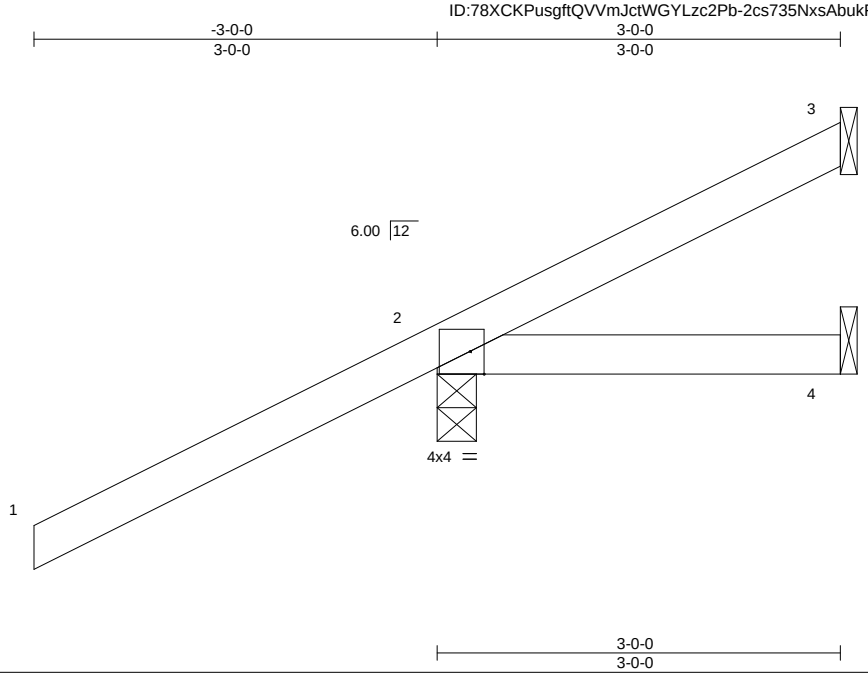


Plate Offsets (X,Y)-- [2:0-1-4,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 15 lb	FT = 20%

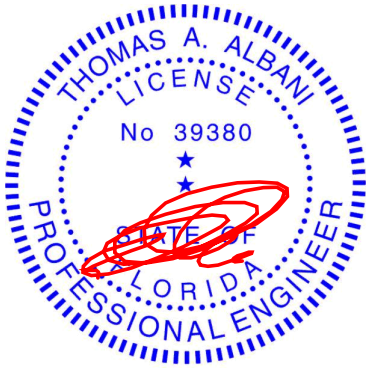
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=134(LC 12)
Max Uplift 3=-31(LC 12), 2=-196(LC 12), 4=-5(LC 1)
Max Grav 3=31(LC 1), 2=353(LC 1), 4=46(LC 16)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) 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=196.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	CJ05	Jack-Open	6	1	T21090197
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:45 2020 Page 1
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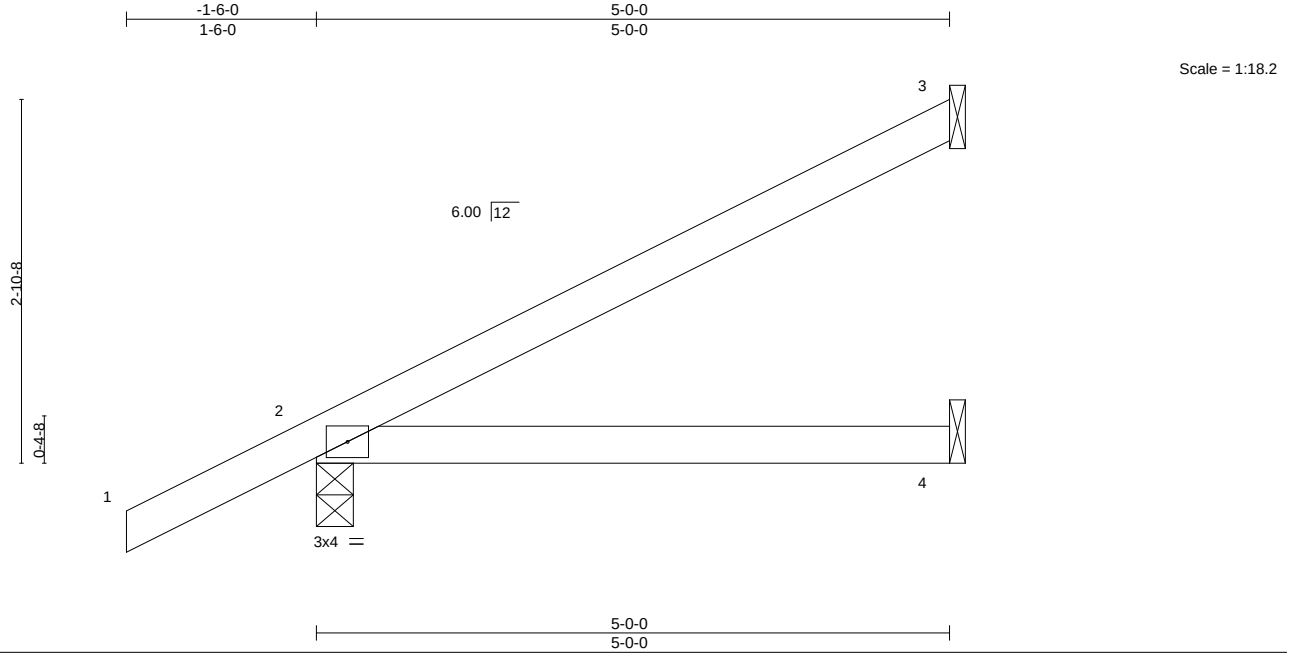


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	0.04	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 18 lb	FT = 20%

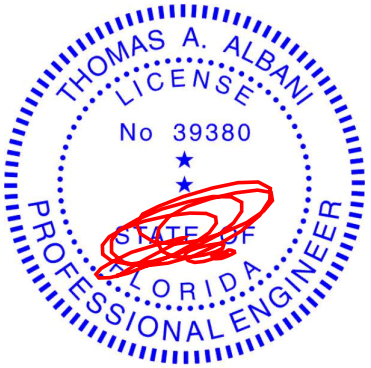
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=151(LC 12)
Max Uplift 3=-102(LC 12), 2=-112(LC 12), 4=-5(LC 12)
Max Grav 3=113(LC 1), 2=276(LC 1), 4=88(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=102, 2=112.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	CJ05A	Jack-Open	2	1	T21090198
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:46 2020 Page 1
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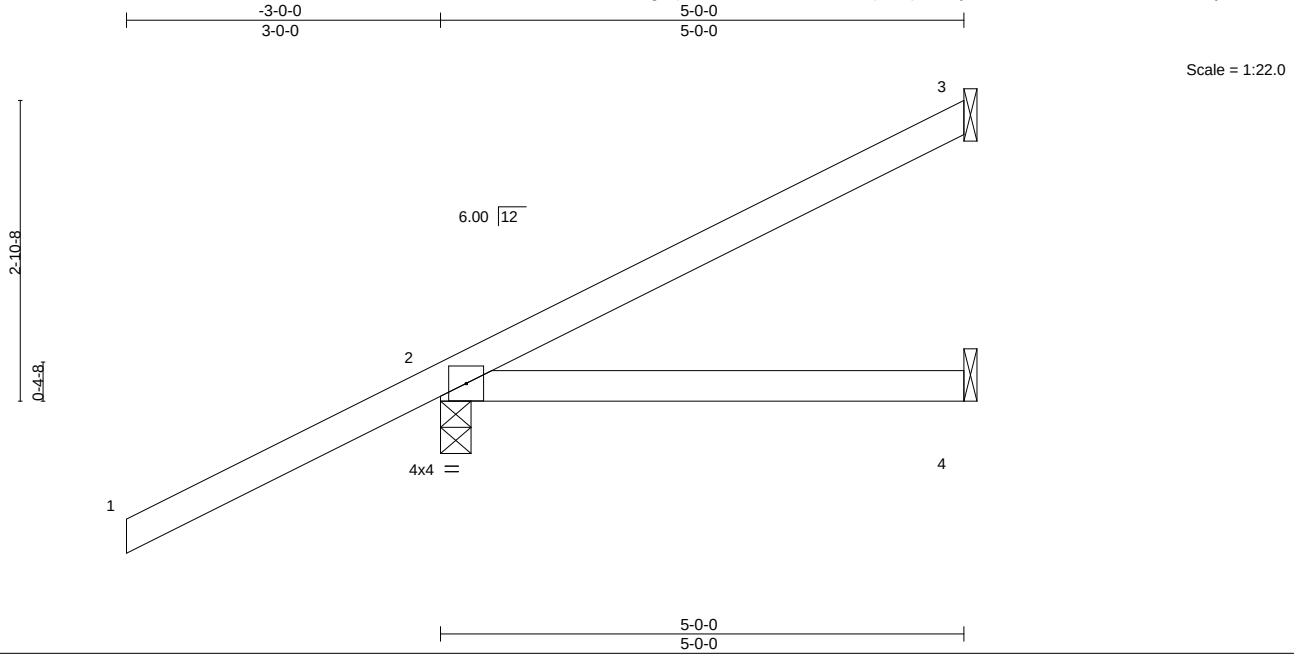


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	-0.05	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 21 lb	FT = 20%

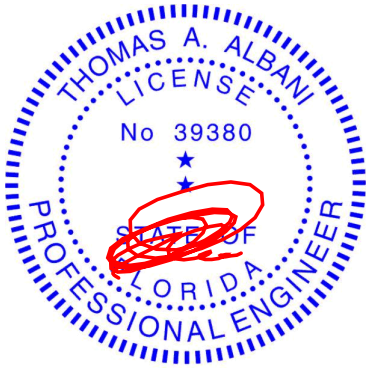
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=183(LC 12)
Max Uplift 3=-88(LC 12), 2=-192(LC 12)
Max Grav 3=95(LC 1), 2=394(LC 1), 4=83(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=192.



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	EJ01	Jack-Partial	9	1	T21090199
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:46 2020 Page 1
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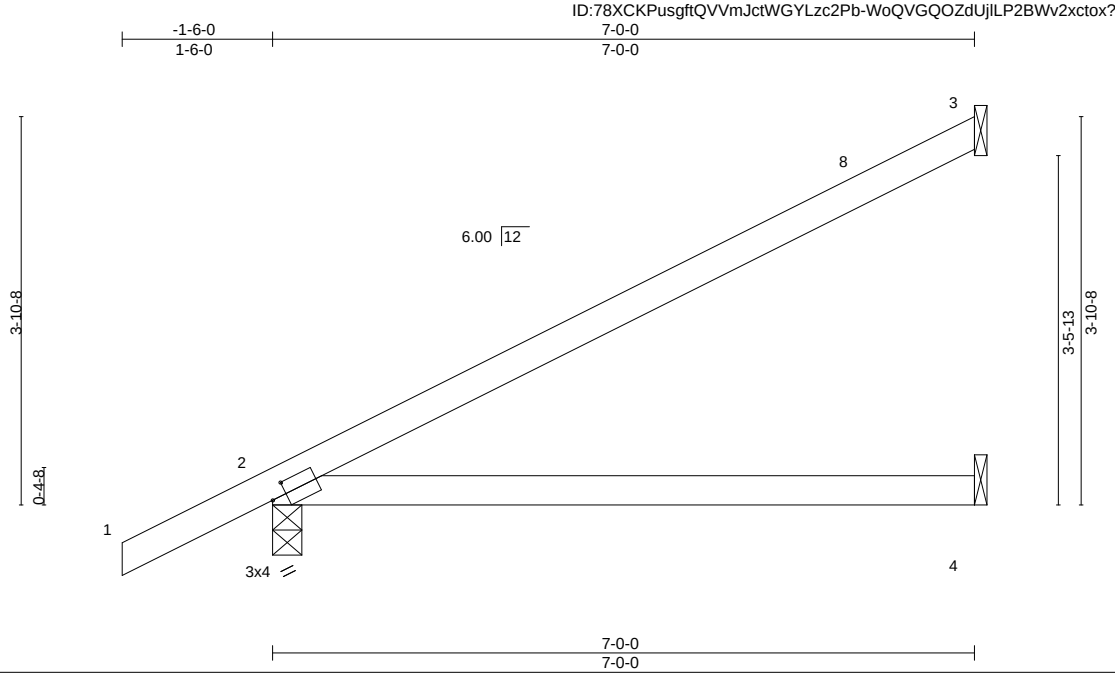


Plate Offsets (X,Y)-- [2:0-1-13,0-1-8]

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	0.69	Vert(LL)	0.14	4-7	>588	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.22	4-7	>385	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 25 lb	FT = 20%

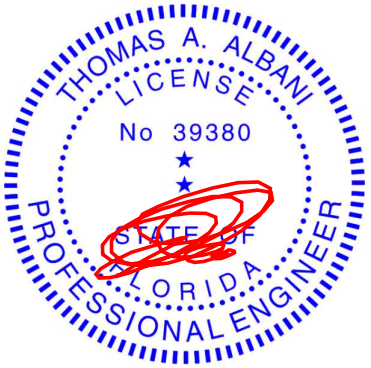
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=193(LC 12)
Max Uplift 3=-132(LC 12), 2=-134(LC 12), 4=-7(LC 12)
Max Grav 3=164(LC 1), 2=346(LC 1), 4=126(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=132, 2=134.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	EJ02	Jack-Partial	9	1	T21090200
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:47 2020 Page 1
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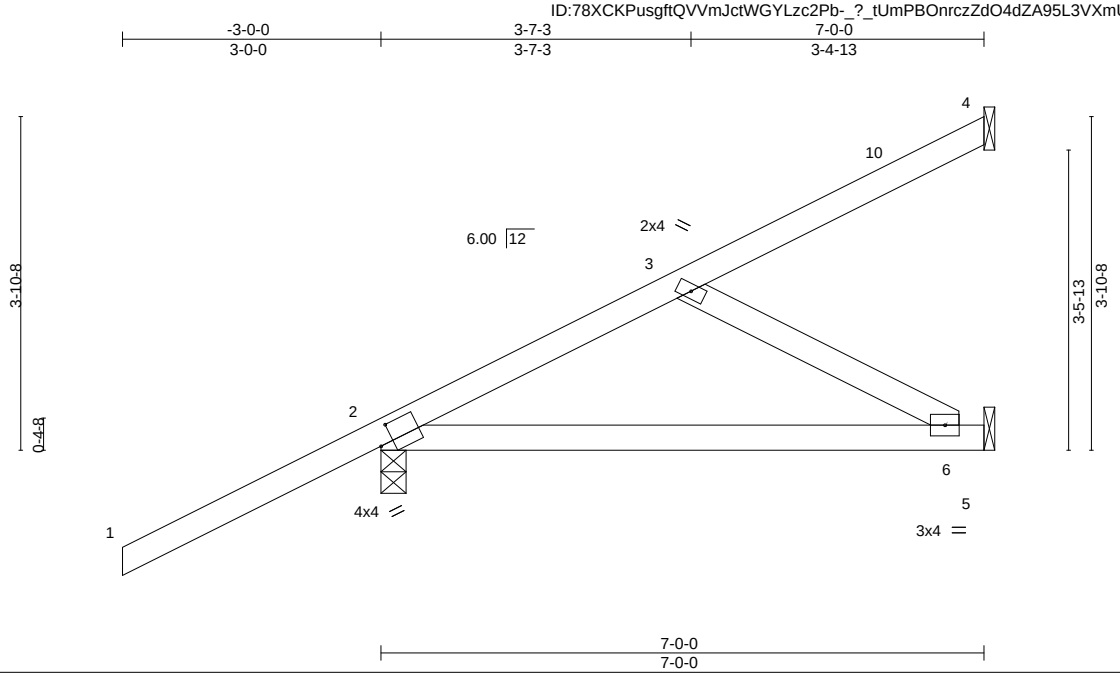


Plate Offsets (X,Y)-- [2:0-1-14,0-2-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	-0.07	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.14	6-9	>599	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 33 lb	FT = 20%

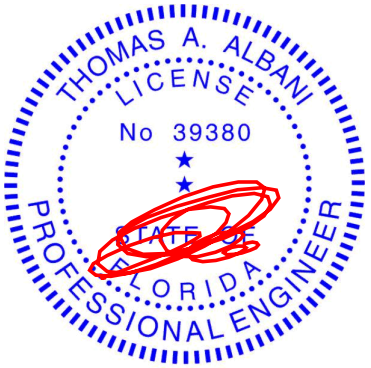
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

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

REACTIONS. (size) 4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz 2=224(LC 12)
Max Uplift 4=-68(LC 12), 2=-205(LC 12), 5=-51(LC 12)
Max Grav 4=80(LC 1), 2=454(LC 1), 5=167(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-261/241

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=205.



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	HJ10	Diagonal Hip Girder	4	1	T21090201
					Job Reference (optional)

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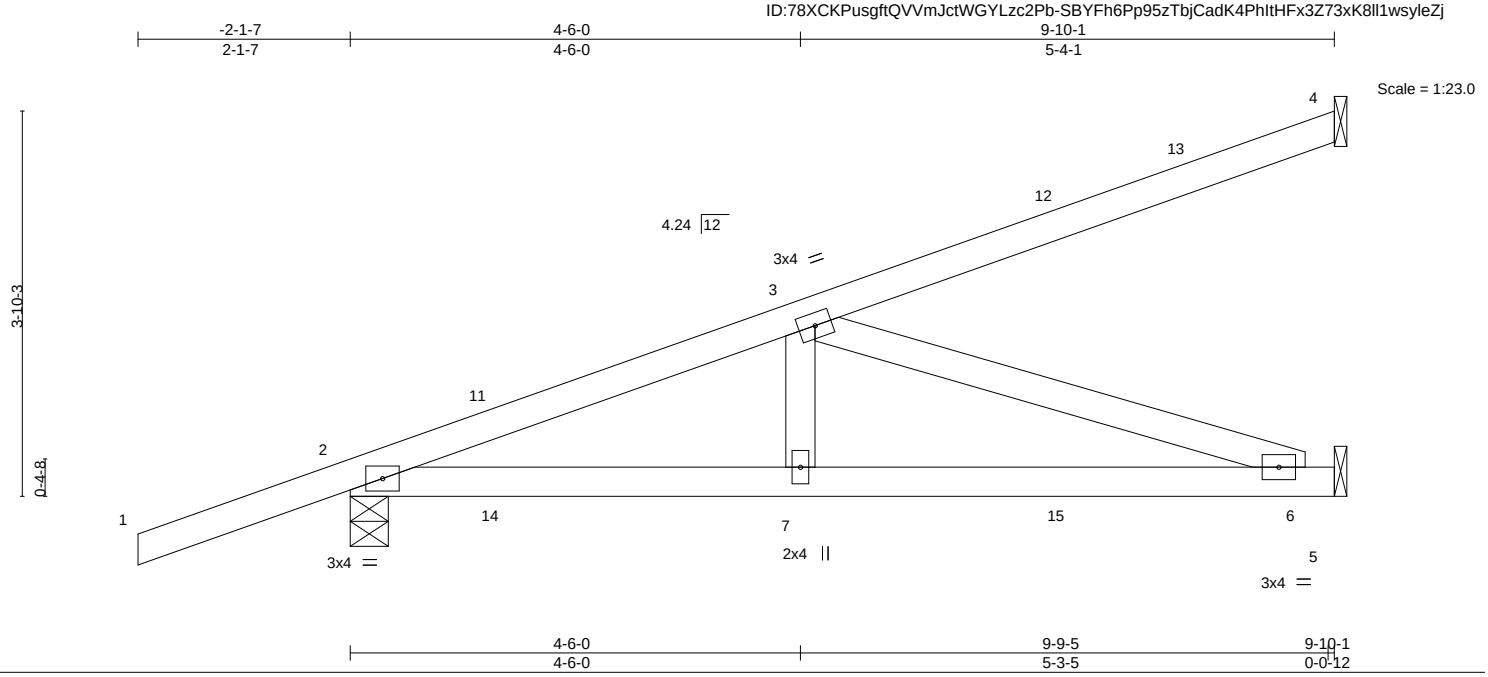


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.12	6-7	>992	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 43 lb	FT = 20%

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

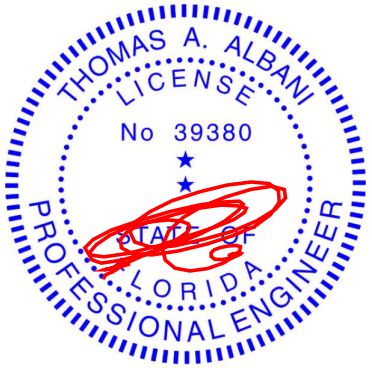
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-3-8 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=210(LC 4)
Max Uplift 4=-123(LC 4), 2=-234(LC 4), 5=-121(LC 8)
Max Grav 4=149(LC 1), 2=527(LC 1), 5=299(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-799/327
BOT CHORD 2-7=-380/729, 6-7=-380/729
WEBS 3-7=0/281, 3-6=-768/400

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=123, 2=234, 5=121.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 63 lb up at 1-6-1, 87 lb down and 63 lb up at 1-6-1, 28 lb down and 54 lb up at 4-4-0, 28 lb down and 54 lb up at 4-4-0, and 51 lb down and 110 lb up at 7-1-15, and 51 lb down and 110 lb up at 7-1-15 on top chord, and 25 lb down and 38 lb up at 1-6-1, 25 lb down and 38 lb up at 1-6-1, 24 lb down at 4-4-0, 24 lb down at 4-4-0, and 42 lb down and 20 lb up at 7-1-15, and 42 lb down and 20 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=-6(F=-3, B=-3) 12=-73(F=-36, B=-36) 15=-59(F=-29, B=-29)



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Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T01	Hip Girder	1	1	T21090202
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:50 2020 Page 1
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-1-6-0	3-11-15	7-0-0	12-5-0	17-7-0	23-0-0	26-0-1	30-0-0	31-6-0
1-6-0	3-11-15	3-0-1	5-5-0	5-2-0	5-5-0	3-0-1	3-11-15	1-6-0

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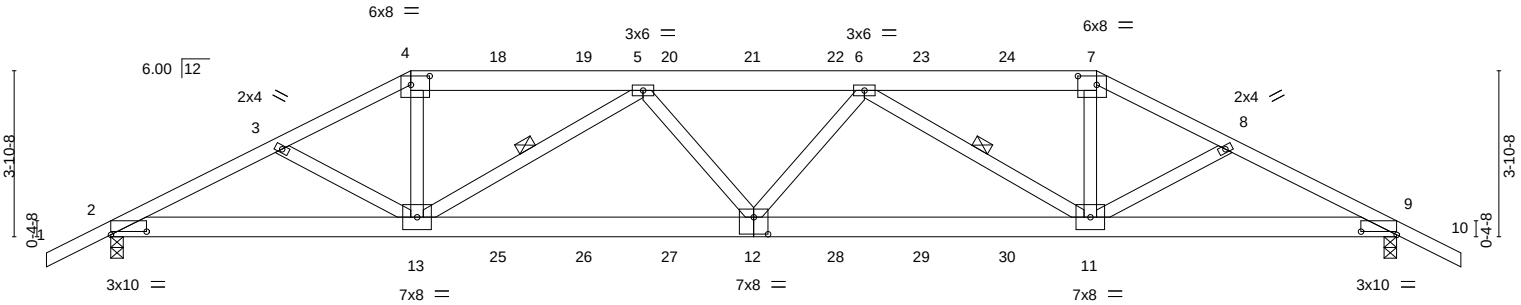

7-0-0	15-0-0	23-0-0	30-0-0
7-0-0	8-0-0	8-0-0	7-0-0

Plate Offsets (X,Y)-- [2:0-10-0,0-0-15], [4:0-5-4,0-2-7], [7:0-5-4,0-2-7], [9:0-10-0,0-0-15], [12:0-4-0,0-4-12]

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	0.50	Vert(LL)	0.30	12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.40	Vert(CT)	-0.45	11-12	>807	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.59	Horz(CT)	0.11	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 185 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-7: 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-0 oc bracing.
WEBS 1 Row at midpt 5-13, 6-11

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=88(LC 31)
Max Uplift 2=-1141(LC 8), 9=-1170(LC 9)
Max Grav 2=2261(LC 1), 9=2300(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4515/2285, 3-4=-4368/2219, 4-5=-3961/2053, 5-6=-5500/2781, 6-7=-4036/2108, 7-8=-4454/2282, 8-9=-4601/2348
BOT CHORD 2-13=-2035/3997, 12-13=-2702/5321, 11-12=-2712/5347, 9-11=-2003/4074
WEBS 4-13=-683/1553, 5-13=-1677/1000, 5-12=-84/444, 6-12=-37/426, 6-11=-1606/930, 7-11=-645/1520

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1141, 9=1170.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 128 lb down and 132 lb up at 7-0-0, 110 lb down and 132 lb up at 9-0-12, 110 lb down and 132 lb up at 11-0-12, 110 lb down and 132 lb up at 13-0-12, 110 lb down and 122 lb up at 15-0-0, 110 lb down and 132 lb up at 16-11-4, 110 lb down and 132 lb up at 18-11-4, and 110 lb down and 132 lb up at 20-11-4, and 230 lb down and 256 lb up at 23-0-0 on top chord, and 335 lb down and 177 lb up at 7-0-0, 86 lb down and 27 lb up at 9-0-12, 86 lb down and 27 lb up at 11-0-12, 86 lb down and 27 lb up at 13-0-12, 86 lb down and 27 lb up at 15-0-0, 86 lb down and 27 lb up at 16-11-4, 86 lb down and 27 lb up at 18-11-4, and 86 lb down and 27 lb up at 20-11-4, and 335 lb down and 177 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 7-10=-54, 2-9=-20

Concentrated Loads (lb)

Vert: 4=-110(B) 7=-182(B) 12=-64(B) 13=-335(B) 11=-335(B) 18=-110(B) 19=-110(B) 20=-110(B) 21=-110(B) 22=-110(B) 23=-110(B) 24=-110(B) 25=-64(B) 26=-64(B) 27=-64(B) 28=-64(B) 29=-64(B) 30=-64(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T01A	Hip Girder	1	1	T21090203
					Job Reference (optional)

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-1-6-0	3-11-15	7-0-0	12-5-0	17-7-0	23-0-0	26-0-1	30-0-0
1-6-0	3-11-15	3-0-1	5-5-0	5-2-0	5-5-0	3-0-1	3-11-15

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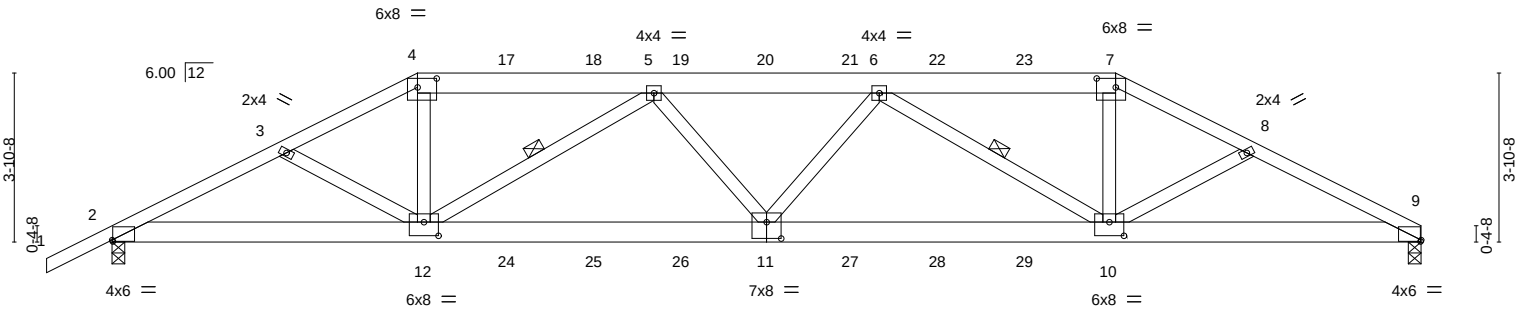


7-0-0	15-0-0	23-0-0	30-0-0
7-0-0	8-0-0	8-0-0	7-0-0

Plate Offsets (X,Y)-- [2:0-0-3,0-0-6], [4:0-5-4,0-2-7], [7:0-5-4,0-2-7], [9:0-0-3,0-0-6], [10:0-4-0,0-3-12], [11:0-4-0,0-4-8], [12:0-4-0,0-3-12]

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	0.45	Vert(LL)	0.29	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.43	10-11	>828	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-7: 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

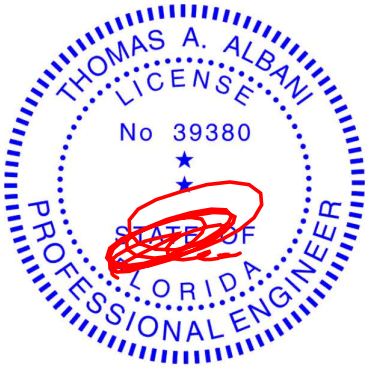
BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-4-7 oc bracing.
WEBS 1 Row at midpt 5-12, 6-10

REACTIONS. (size) 9=0-3-8, 2=0-3-8
Max Horz 2=103(LC 31)
Max Uplift 9=-1024(LC 9), 2=-1048(LC 8)
Max Grav 9=2099(LC 1), 2=2145(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4277/2093, 3-4=-4126/2024, 4-5=-3743/1877, 5-6=-5212/2547, 6-7=-3830/1943, 7-8=-4226/2100, 8-9=-4381/2173
BOT CHORD 2-12=-1877/3783, 11-12=-2416/4935, 10-11=-2429/4964, 9-10=-1878/3878
WEBS 4-12=-703/1586, 5-12=-1475/840, 5-11=-209/561, 6-11=-158/541, 6-10=-1400/766, 7-10=-673/1560

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=1024, 2=1048.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 45 lb down and 66 lb up at 7-0-0, 27 lb down and 66 lb up at 9-0-12, 27 lb down and 66 lb up at 11-0-12, 27 lb down and 66 lb up at 13-0-12, 27 lb down and 55 lb up at 15-0-0, 27 lb down and 66 lb up at 16-11-4, 27 lb down and 66 lb up at 18-11-4, and 27 lb down and 66 lb up at 20-11-4, and 146 lb down and 190 lb up at 23-0-0 on top chord, and 392 lb down and 221 lb up at 7-0-0, 127 lb down and 71 lb up at 9-0-12, 127 lb down and 71 lb up at 11-0-12, 127 lb down and 71 lb up at 13-0-12, 127 lb down and 71 lb up at 15-0-0, 127 lb down and 71 lb up at 16-11-4, 127 lb down and 71 lb up at 18-11-4, and 127 lb down and 71 lb up at 20-11-4, and 392 lb down and 221 lb up at 22-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25



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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 7-9=-54, 2-9=-20

Concentrated Loads (lb)

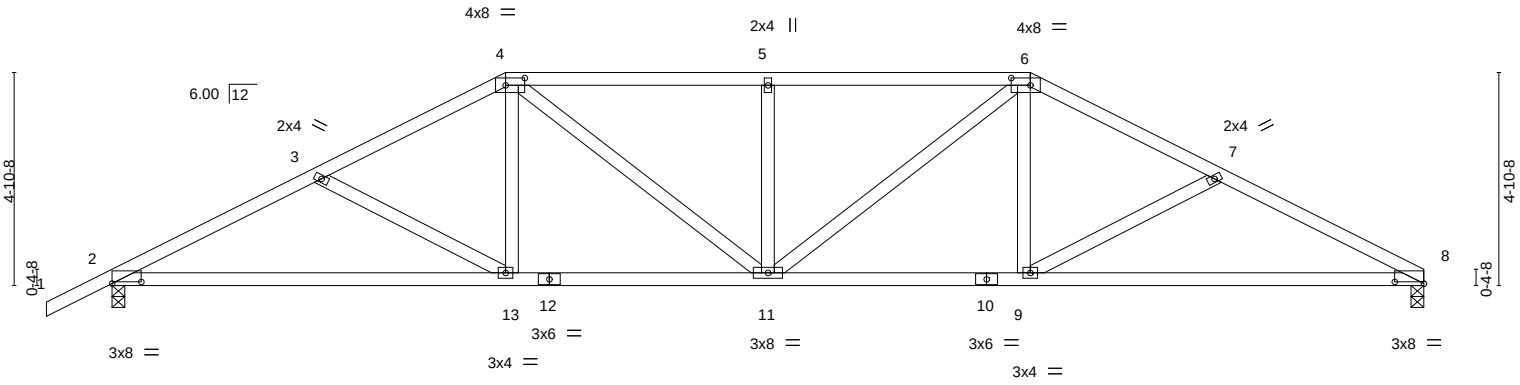
Vert: 4=-26(F) 7=-99(F) 11=-122(F) 12=-392(F) 10=-392(F) 17=-26(F) 18=-26(F) 19=-26(F) 20=-26(F) 21=-26(F) 22=-26(F) 23=-26(F) 24=-122(F) 25=-122(F) 26=-122(F) 27=-122(F) 28=-122(F) 29=-122(F)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T02	Hip	2	1	T21090204
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:52 2020 Page 1
ID:78XCKPusgftQVVmJctWGYLzc2Pb-LynmXUTKCKTu3KWLsA9Lr820uYO03vjw3NjF3dyleZf

-1-6-0	4-9-8	9-0-0	15-0-0	21-0-0	25-2-8	30-0-0
1-6-0	4-9-8	4-2-8	6-0-0	6-0-0	4-2-8	4-9-8

Scale = 1:52.7



9-0-0	15-0-0	21-0-0	30-0-0
9-0-0	6-0-0	6-0-0	9-0-0

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

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	0.41	Vert(LL)	-0.15	9-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.33	9-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.08	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 150 lb	FT = 20%

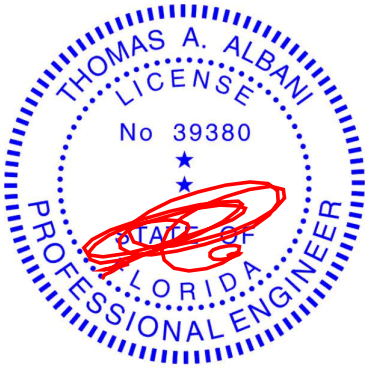
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-2 oc bracing.

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=126(LC 12)
Max Uplift 8=-427(LC 13), 2=-479(LC 12)
Max Grav 8=1108(LC 1), 2=1193(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2045/1078, 3-4=-1788/932, 4-5=-1858/1051, 5-6=-1858/1051, 6-7=-1796/939, 7-8=-2061/1093
BOT CHORD 2-13=-887/1801, 11-13=-642/1557, 9-11=-648/1563, 8-9=-904/1820
WEBS 3-13=-289/280, 4-13=-84/390, 4-11=-254/471, 5-11=-373/278, 6-11=-250/467, 6-9=-93/393, 7-9=-304/293

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=427, 2=479.



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August 21,2020

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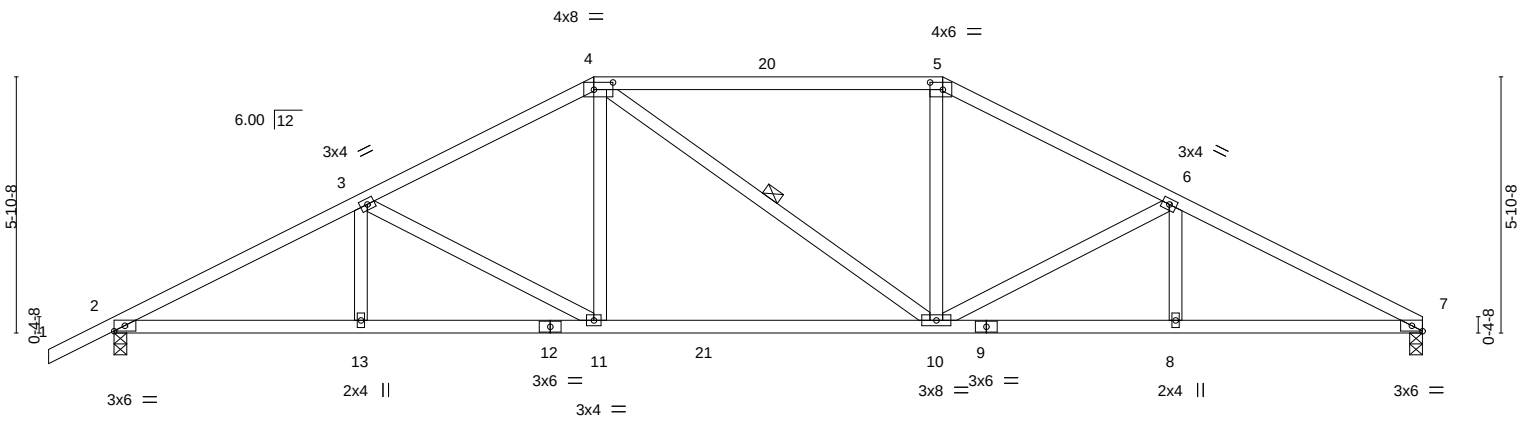
Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T03	Hip	2	1	T21090205
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:53 2020 Page 1
ID:78XCKPusgftQVVmJctWGYLzc2Pb-p8L8kqTyzdblhU5XQtgaOMaBvymsoLt4l1Tob4yleZe

-1-6-0 | 5-7-15 | 11-0-0 | 19-0-0 | 24-4-1 | 30-0-0
1-6-0 | 5-7-15 | 5-4-1 | 8-0-0 | 5-4-1 | 5-7-15

Scale = 1:52.8



5-7-15 | 11-0-0 | 19-0-0 | 24-4-1 | 30-0-0
5-7-15 | 5-4-1 | 8-0-0 | 5-4-1 | 5-7-15

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [5:0-3-8,0-2-0], [7:0-2-15,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	0.40	Vert(LL)	-0.11	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.26	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 151 lb	FT = 20%

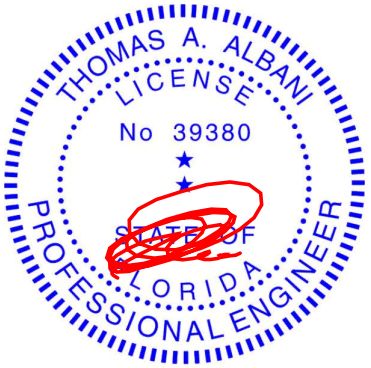
LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-5: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-8 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=147(LC 12)
Max Uplift 7=-424(LC 13), 2=-476(LC 12)
Max Grav 7=1108(LC 1), 2=1193(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2063/1059, 3-4=-1643/896, 4-5=-1423/867, 5-6=-1646/899, 6-7=-2081/1075
BOT CHORD 2-13=-860/1792, 11-13=-860/1792, 10-11=-568/1420, 8-10=-876/1811, 7-8=-876/1811
WEBS 3-11=-434/333, 4-11=-114/427, 5-10=-118/429, 6-10=-451/350

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=424, 2=476.



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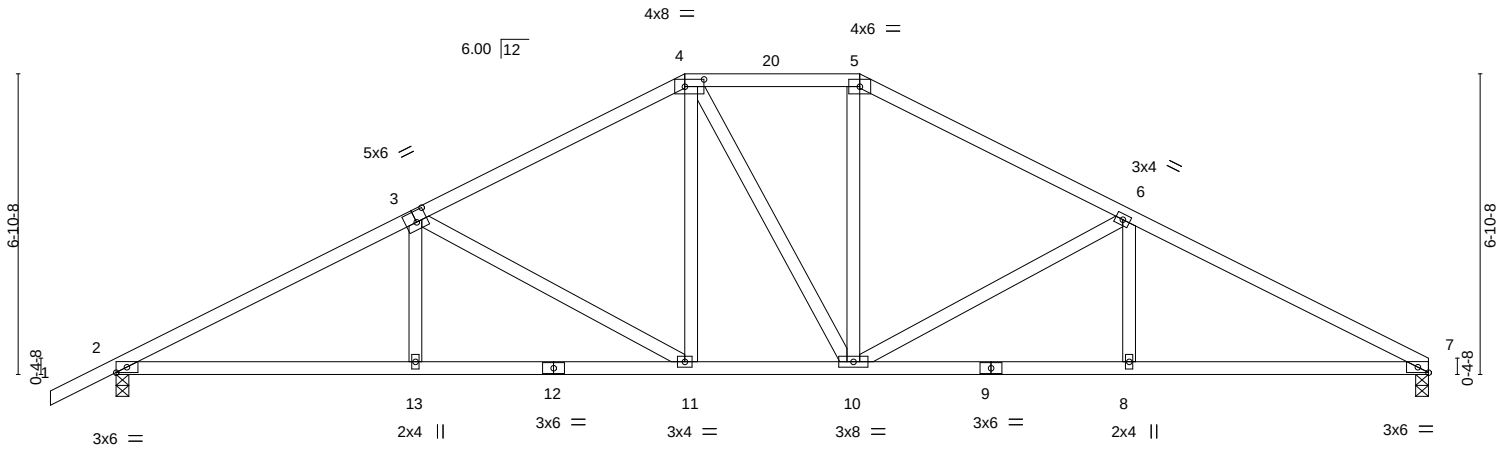
Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T04	Hip	2	1	T21090206
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:54 2020 Page 1
ID:78XCKPusgftQVVmJctWGYLzc2Pb-HLvWy9UakxjcJegk_bBpxZ7KaL65Xk6DWhCL8WyleZd

-1-6-0	6-10-2	13-0-0	17-0-0	23-1-14	30-0-0
1-6-0	6-10-2	6-1-14	4-0-0	6-1-14	6-10-2

Scale = 1:52.7



6-10-2	13-0-0	17-0-0	23-1-14	30-0-0
6-10-2	6-1-14	4-0-0	6-1-14	6-10-2

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [4:0-5-4,0-2-0], [7:0-2-15,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	0.53	Vert(LL)	0.11	8-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.19	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 156 lb	FT = 20%

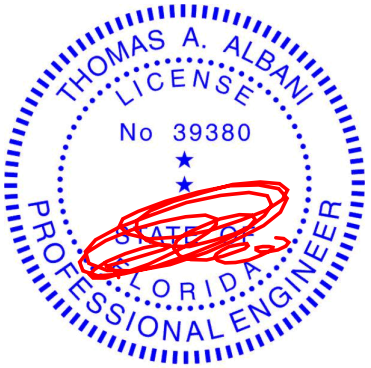
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-2-1 oc bracing.

REACTIONS. (size) 7=0-3-8, 2=0-3-8
Max Horz 2=168(LC 12)
Max Uplift 7=-419(LC 13), 2=-471(LC 12)
Max Grav 7=1108(LC 1), 2=1193(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2028/1054, 3-4=-1480/849, 4-5=-1256/825, 5-6=-1482/850, 6-7=-2039/1065
BOT CHORD 2-13=-842/1753, 11-13=-841/1755, 10-11=-475/1255, 8-10=-852/1765, 7-8=-852/1765
WEBS 3-13=0/281, 3-11=-584/422, 4-11=-173/394, 5-10=-177/396, 6-10=-596/436, 6-8=0/282

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=419, 2=471.



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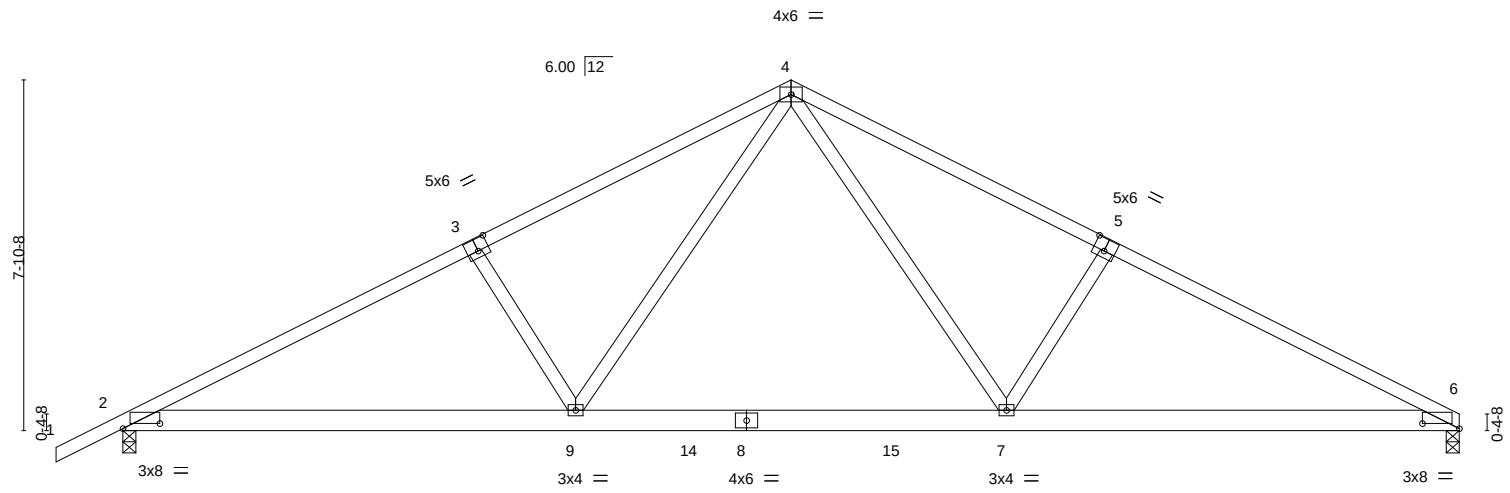
Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T05	Common	1	1	T21090207
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:55 2020 Page 1
ID:78XCKPusgftQVVmJctWGYLzc2Pb-lXTv9VVCVFrTxoFwYIi2TmgUzIS5GB5MlLyvgyyleZc

-1-6-0 | 7-11-0 | 15-0-0 | 22-1-0 | 30-0-0
1-6-0 | 7-11-0 | 7-1-0 | 7-1-0 | 7-11-0

Scale = 1:51.7



10-1-15 | 19-10-1 | 30-0-0
10-1-15 | 9-8-1 | 10-1-15

Plate Offsets (X,Y)-- [2:0-9-15,0-1-6], [3:0-3-0,0-3-4], [5:0-3-0,0-3-4], [6:0-9-15,0-1-6]

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	0.62	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.26	7-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 161 lb	FT = 20%

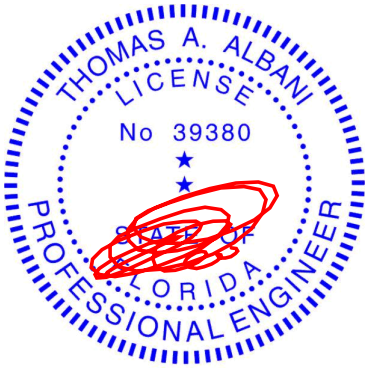
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-8 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=189(LC 12)
Max Uplift 2=-467(LC 12), 6=-415(LC 13)
Max Grav 2=1193(LC 1), 6=1108(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1958/1056, 3-4=-1765/1059, 4-5=-1773/1067, 5-6=-1967/1064
BOT CHORD 2-9=-823/1686, 7-9=-410/1121, 6-7=-831/1695
WEBS 4-7=-399/718, 5-7=-401/415, 4-9=-384/708, 3-9=-399/412

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=467, 6=415.



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August 21,2020

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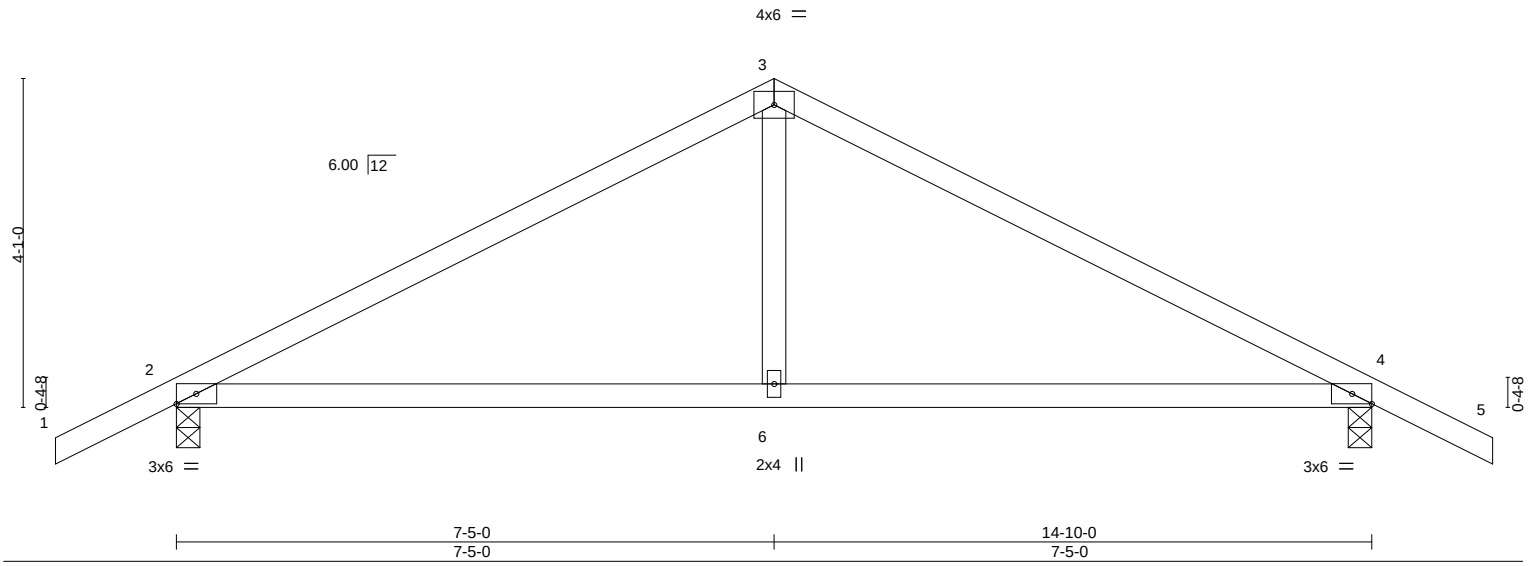
Job	Truss	Truss Type	Qty	Ply	IC CONST. - JEFFCOAT
2452221	T06	Common	8	1	T21090208
					Job Reference (optional)

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Fri Aug 21 11:08:56 2020 Page 1
ID:78XCKPusgftQVVmJctWGYLzc2Pb-Dj1HNrWqGYzKYyp650EH0_Ceu9oM?lNW_?hSCOyleZb

-1-6-0 7-5-0 14-10-0 16-4-0
1-6-0 7-5-0 7-5-0 1-6-0

Scale = 1:28.6



7-5-0 14-10-0
7-5-0 7-5-0

Plate Offsets (X,Y)-- [4:0-2-15,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	0.67	Vert(LL)	0.20	6-12	>893	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	0.17	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 57 lb	FT = 20%

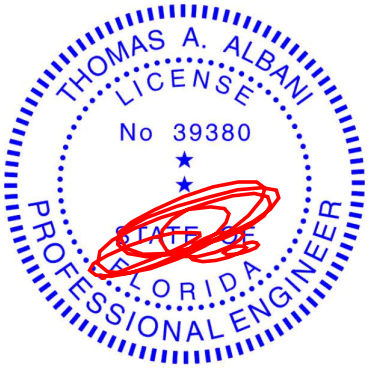
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=94(LC 12)
Max Uplift 2=-271(LC 9), 4=-271(LC 8)
Max Grav 2=630(LC 1), 4=630(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-766/1020, 3-4=-766/1020
BOT CHORD 2-6=-760/613, 4-6=-760/613
WEBS 3-6=-534/341

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) 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
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) except (jt=lb) 2=271, 4=271.



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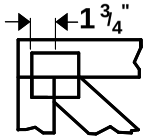
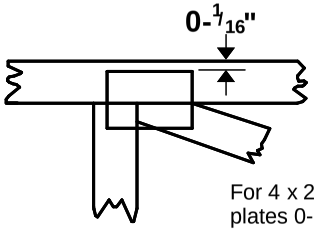
Symbols

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.

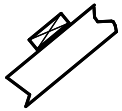
*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4

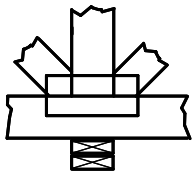
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

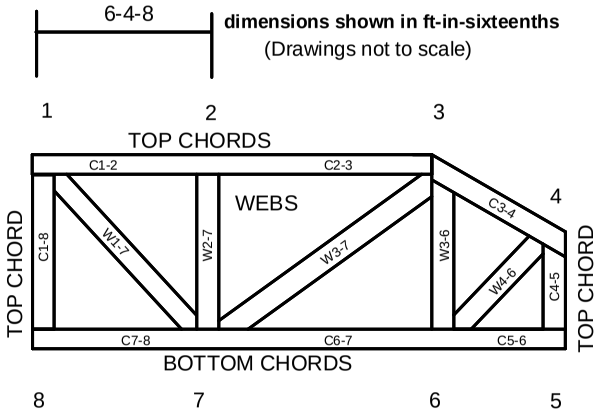


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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.