#39684

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

RE: 2318369 - GIEBEIG - LOT 10 CCP

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

Site Information:
Customer Info: Giebeig Homes Project Name: n/a Model: St. Johns 3 Bdrm
Lot/Block: 10 Subdivision: Cannon Creek Place
Address: TBD SW Arrow 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: 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 28 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	T20128511	CJ1	5/4/20	23	T20128533	T17	5/4/20
2	T20128512	CJ3	5/4/20	24	T20128534	T18	5/4/20
3	T20128513	CJ5	5/4/20	25	T20128535	T18G	5/4/20
4	T20128514	EJ5	5/4/20	26	T20128536	T19	5/4/20
5	T20128515	EJ7	5/4/20	27	T20128537	T20	5/4/20
6	T20128516	HJ7	5/4/20	28	T20128538	T21	5/4/20
7	T20128517	HJ9	5/4/20				
8	T20128518	T03	5/4/20				
9	T20128519	T03G	5/4/20				
10	T20128520	T04	5/4/20				
11	T20128521	T05	5/4/20				
12	T20128522	T06	5/4/20				
13	T20128523	T07	5/4/20				
14	T20128524	T08	5/4/20				
15	T20128525	T09	5/4/20				
16	T20128526	T10	5/4/20				
17	T20128527	T11	5/4/20				
18	T20128528	T12	5/4/20				
19	T20128529	T13	5/4/20				
20	T20128530	T14	5/4/20				
21	T20128531	T15	5/4/20				
22	T20128532	T16	5/4/20				

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.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: May 4,2020

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	GIEBEIG - LOT 10 CCP	T20128511
2318369	CJ1	Jack-Open	10	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:08 2020 Page 1
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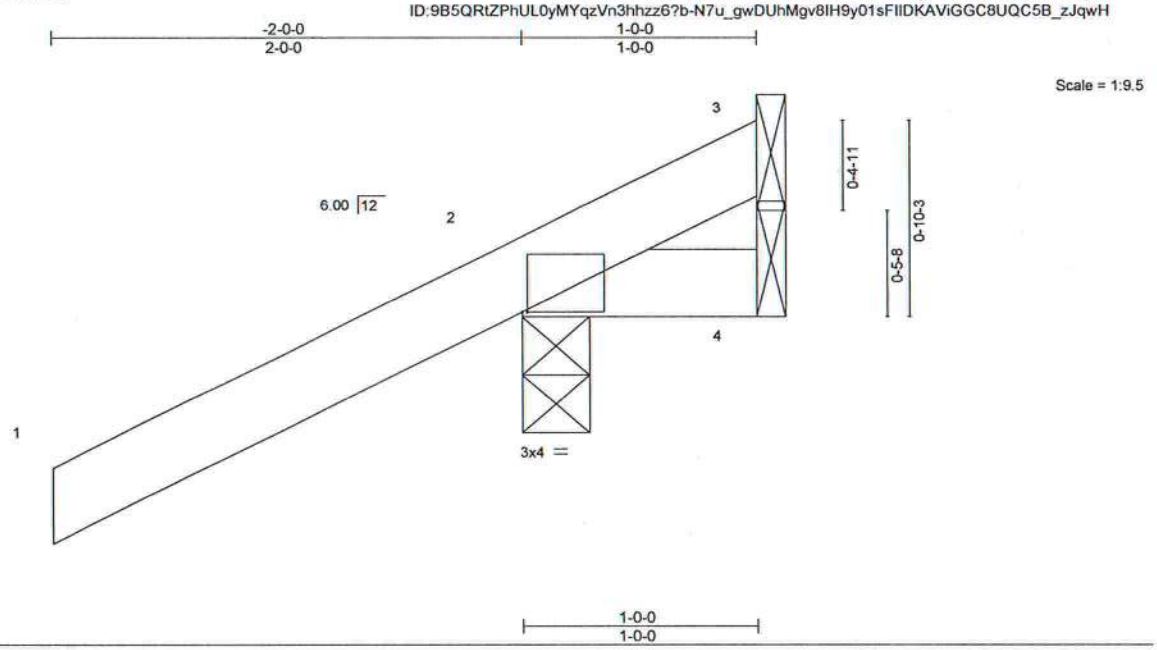

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 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=66(LC 12)
Max Uplift 3=-26(LC 1), 2=-163(LC 12), 4=-47(LC 1)
Max Grav 3=25(LC 16), 2=254(LC 1), 4=45(LC 16)

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

NOTES- (6)
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; 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) 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 26 lb uplift at joint 3, 163 lb uplift at joint 2 and 47 lb uplift at joint 4.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128512
2318369	CJ3	Jack-Open	10	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:09 2020 Page 1
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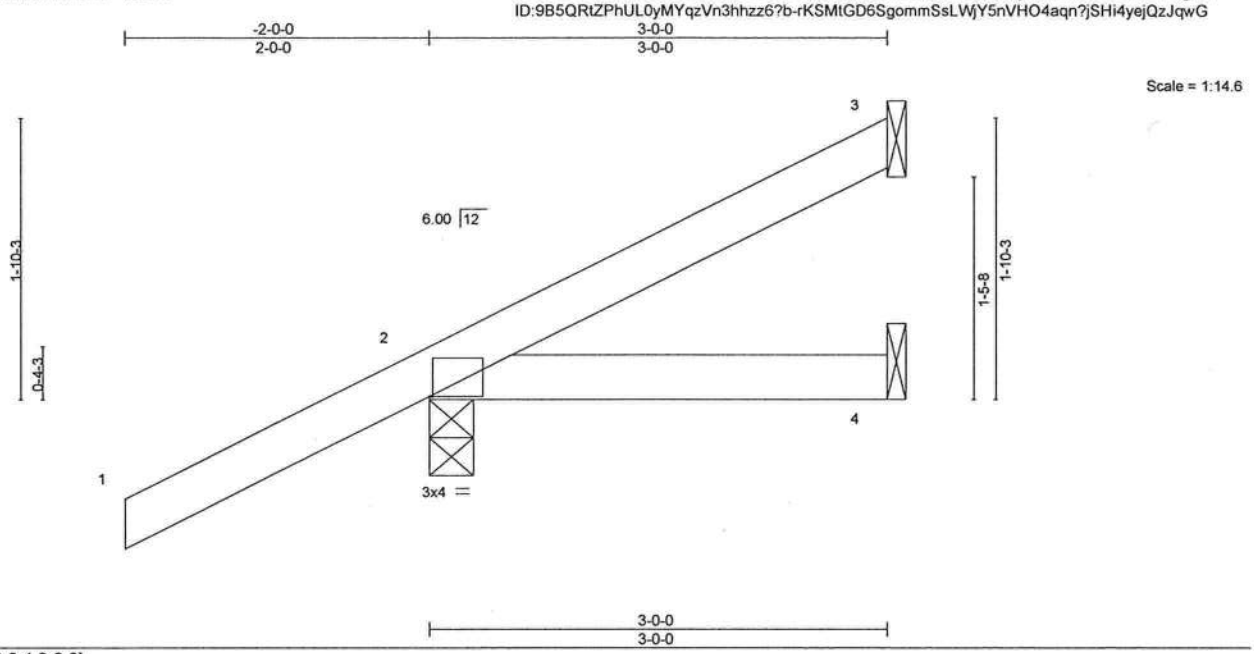

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.01	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: 13 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 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=113(LC 12)
Max Uplift 3=-47(LC 12), 2=-127(LC 12), 4=-22(LC 9)
Max Grav 3=52(LC 1), 2=253(LC 1), 4=47(LC 3)

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

NOTES- (6)
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; 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) 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 47 lb uplift at joint 3, 127 lb uplift at joint 2 and 22 lb uplift at joint 4.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128513
2318369	CJ5	Jack-Open	6	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:09 2020 Page 1
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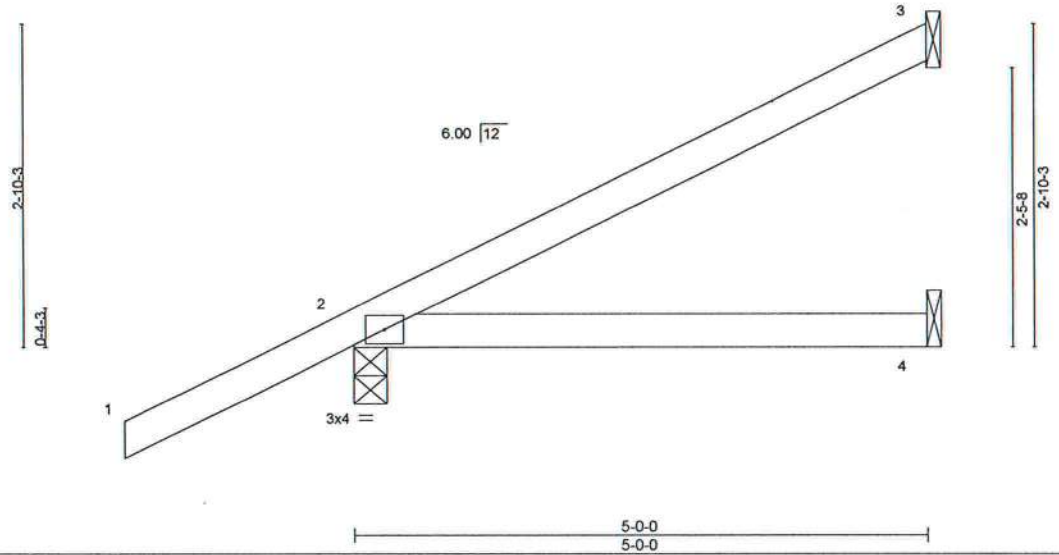

5-0-0 / 5-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.03	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	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: 19 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied 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=162(LC 12)
Max Uplift 3=-97(LC 12), 2=-137(LC 12), 4=-1(LC 12)
Max Grav 3=108(LC 1), 2=313(LC 1), 4=87(LC 3)

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

NOTES- (6)
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 97 lb uplift at joint 3, 137 lb uplift at joint 2 and 1 lb uplift at joint 4.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128514
2318369	EJ5	JACK-OPEN	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:10 2020 Page 1
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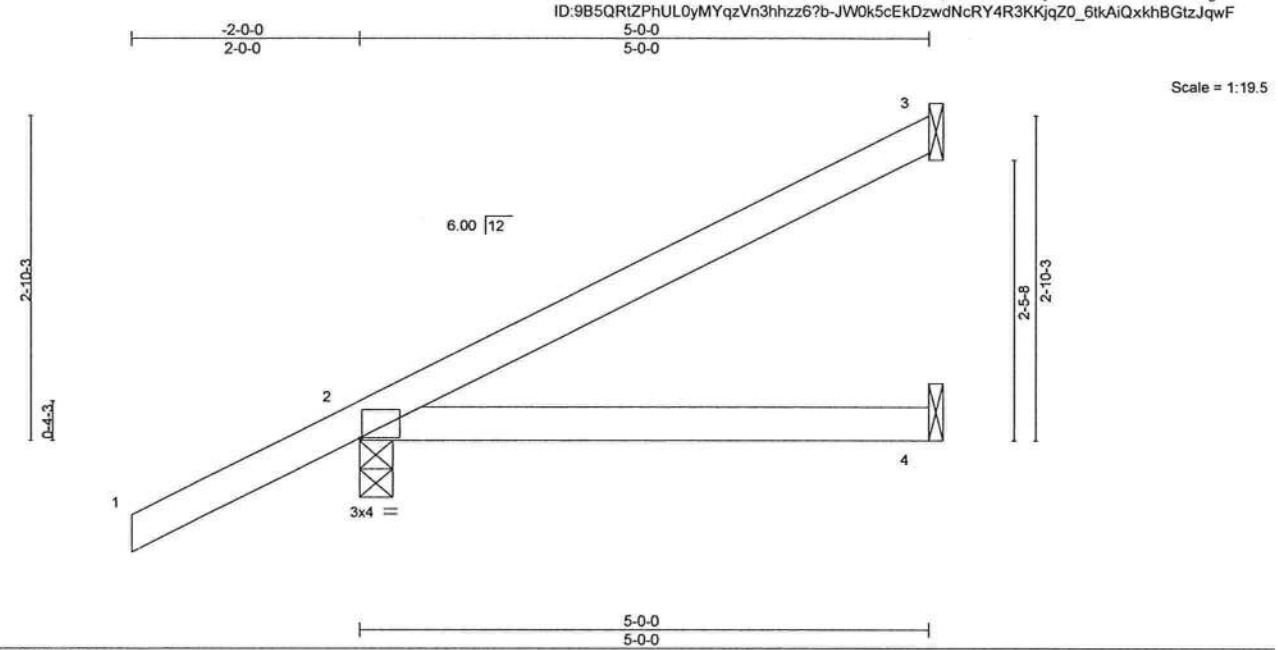

Plate Offsets (X,Y)-- [2:0-0-4,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	0.08	4-7	>756	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	0.07	4-7	>863	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: 19 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied 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=162(LC 12)
Max Uplift 3=-97(LC 12), 2=-137(LC 12), 4=-44(LC 9)
Max Grav 3=108(LC 1), 2=313(LC 1), 4=87(LC 3)

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

NOTES- (6)
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; 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) 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 97 lb uplift at joint 3, 137 lb uplift at joint 2 and 44 lb uplift at joint 4.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128515
2318369	EJ7	JACK	22	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:11 2020 Page 1
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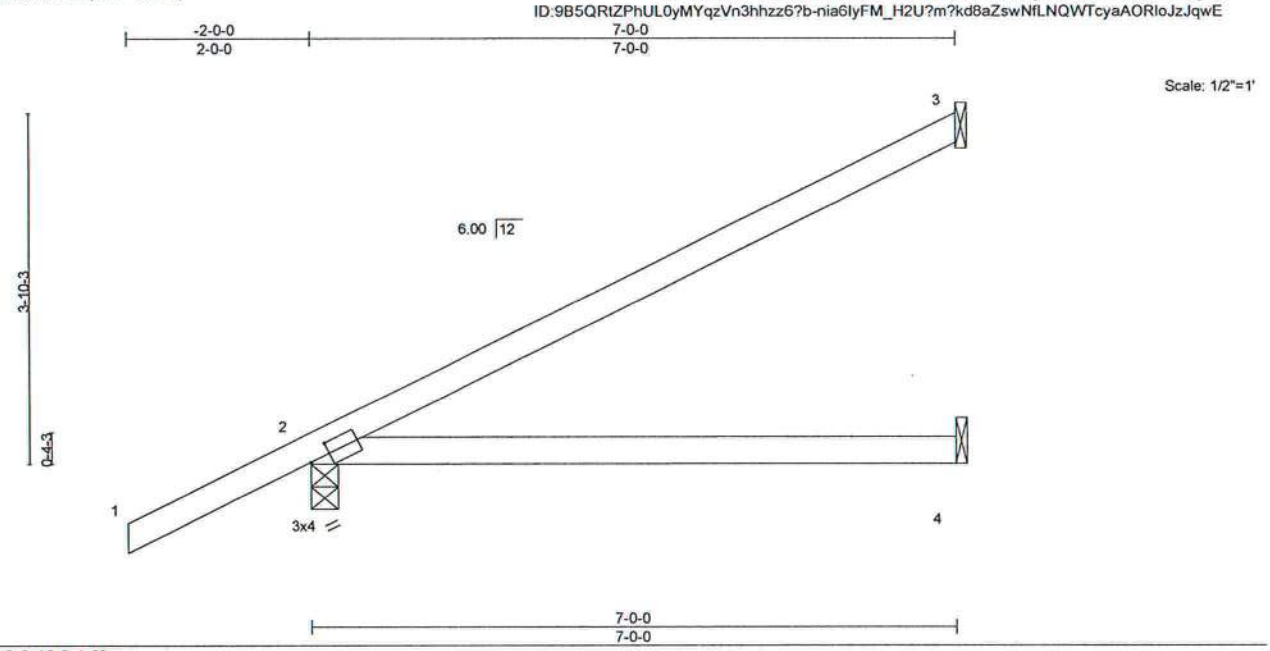

Plate Offsets (X,Y)-- [2:0-2-10,0-1-8]

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	0.66	Vert(LL)	0.13	4-7	>654	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.21	4-7	>395	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: 26 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=210(LC 12)
Max Uplift 3=-144(LC 12), 2=-155(LC 12), 4=-5(LC 12)
Max Grav 3=160(LC 1), 2=380(LC 1), 4=125(LC 3)

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

NOTES- (6)
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 144 lb uplift at joint 3, 155 lb uplift at joint 2 and 5 lb uplift at joint 4.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128516
2318369	HJ7	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:12 2020 Page 1
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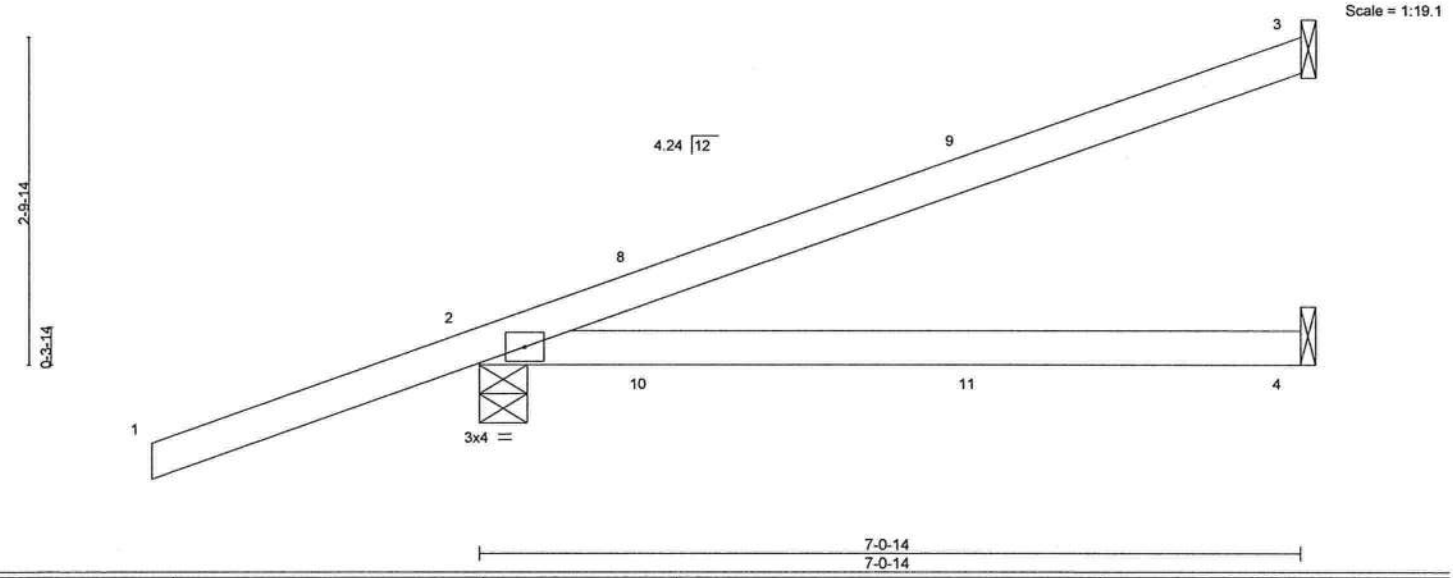
Scale = 1:19.1



7-0-14 / 7-0-14

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)	-0.13	4-7	>663	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.43	Vert(CT)	-0.17	4-7	>496	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 26 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=0-4-15, 4=Mechanical
Max Horz 2=185(LC 4)
Max Uplift 3=-118(LC 8), 2=-260(LC 4), 4=-55(LC 5)
Max Grav 3=141(LC 1), 2=347(LC 1), 4=110(LC 3)

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

NOTES- (8)
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; porch left and right exposed; 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 118 lb uplift at joint 3, 260 lb uplift at joint 2 and 55 lb uplift at joint 4.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 103 lb up at 1-5-12, 83 lb down and 103 lb up at 1-5-12, and 26 lb down and 37 lb up at 4-3-11, and 26 lb down and 37 lb up at 4-3-11 on top chord, and 70 lb down and 75 lb up at 1-5-12, 70 lb down and 75 lb up at 1-5-12, and 53 lb down and 30 lb up at 4-3-11, and 53 lb down and 30 lb up at 4-3-11 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).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 8=49(F=24, B=24) 10=70(F=35, B=35) 11=4(F=2, B=2)

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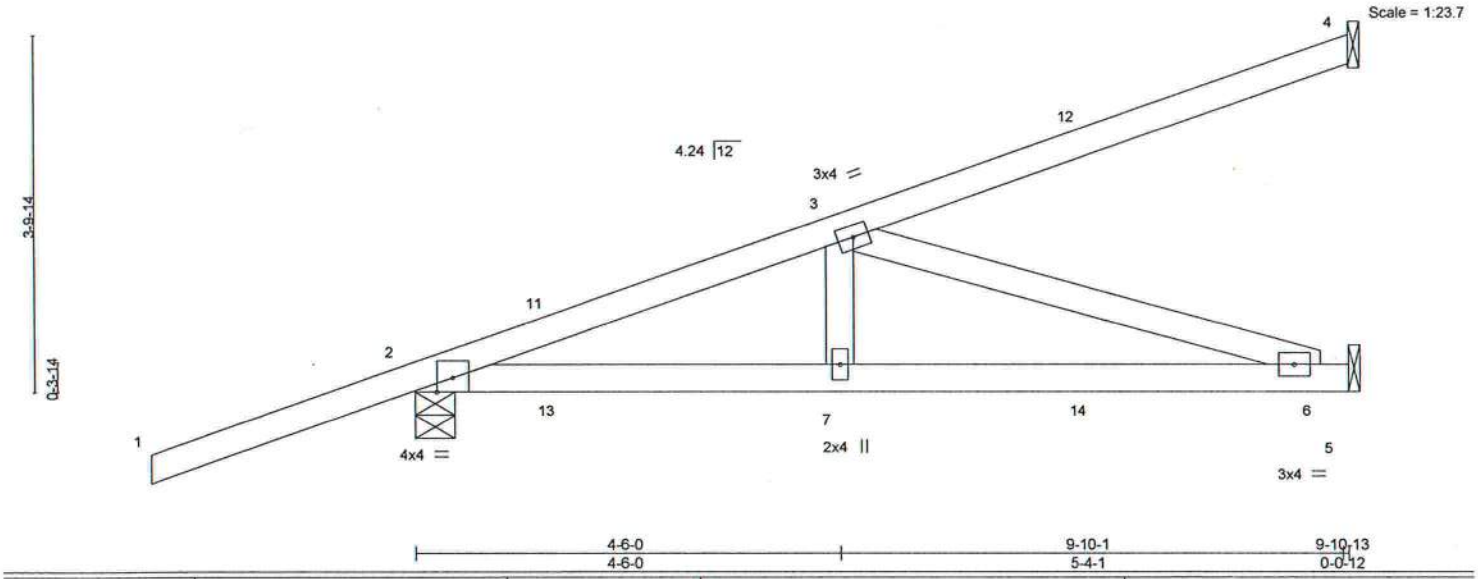
May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128517
2318369	HJ9	Diagonal Hip Girder	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:14 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-BHFFw_HFGCQ3sDkJJG7GUZ?BgbQWguu0sMfPPezJqwB

-2-9-15 / 2-9-15 | 4-6-0 / 4-6-0 | 9-10-13 / 5-4-13



4-6-0 / 4-6-0 | 9-10-1 / 5-4-1 | 9-10-13 / 0-0-12

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	0.59	Vert(LL)	-0.06	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.12	6-7	>948	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.37	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 45 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 8-5-15 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-15, 5=Mechanical
Max Horz 2=234(LC 4)
Max Uplift 4=-139(LC 4), 2=-313(LC 4), 5=-133(LC 8)
Max Grav 4=150(LC 1), 2=466(LC 1), 5=268(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-662/367
BOT CHORD 2-7=-442/608, 6-7=-442/608
WEBS 3-7=-26/251, 3-6=-638/463

NOTES- (8)
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 139 lb uplift at joint 4, 313 lb uplift at joint 2 and 133 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 83 lb down and 103 lb up at 1-5-12, 83 lb down and 103 lb up at 1-5-12, 26 lb down and 37 lb up at 4-3-11, 26 lb down and 37 lb up at 4-3-11, and 50 lb down and 96 lb up at 7-1-10, and 50 lb down and 96 lb up at 7-1-10 on top chord, and 37 lb down and 75 lb up at 1-5-12, 37 lb down and 75 lb up at 1-5-12, 20 lb down and 30 lb up at 4-3-11, 20 lb down and 30 lb up at 4-3-11, and 44 lb down and 15 lb up at 7-1-10, and 44 lb down and 15 lb up at 7-1-10 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).
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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=4(F=2, B=2) 11=49(F=24, B=24) 12=-63(F=-31, B=-31) 13=70(F=35, B=35) 14=-49(F=-25, B=-25)

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May 4,2020

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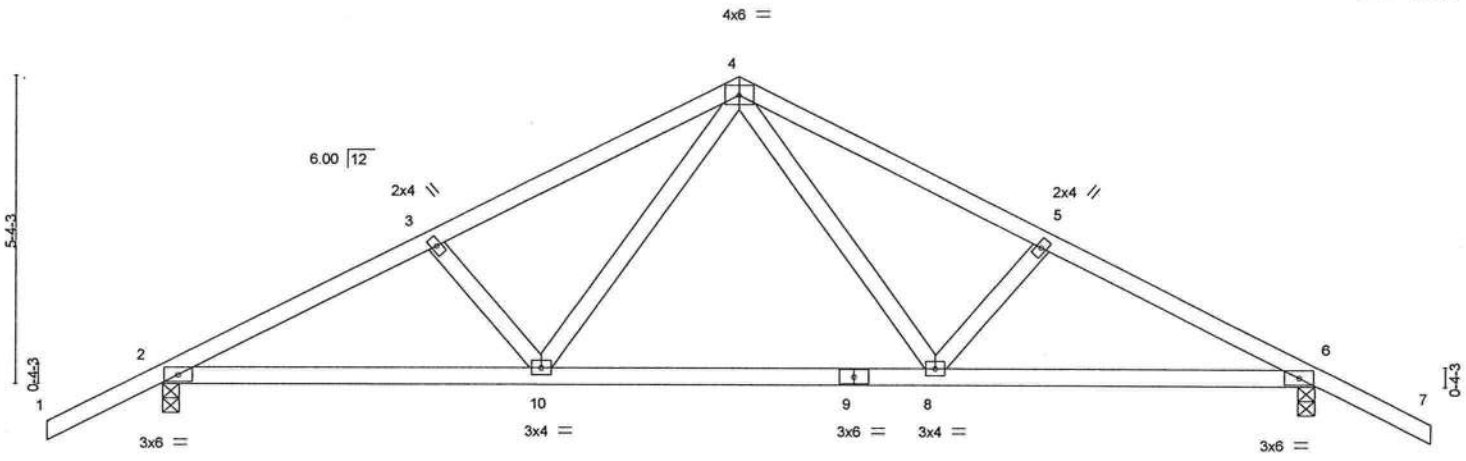
Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128518
2318369	T03	COMMON	9	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:15 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-fTpd8KIt1WYwUNJVs_fV1mXPo?gUPMwA50Pyx4zJqwA

-2-0-0	4-9-0	10-0-0	15-3-0	20-0-0	22-0-0
2-0-0	4-9-0	5-3-0	5-3-0	4-9-0	2-0-0

Scale = 1:38.5



6-7-1	13-4-15	20-0-0
6-7-1	6-9-15	6-7-1

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	0.44	Vert(LL)	0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.34	8-10	>705	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.26	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 96 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-9-9 oc bracing.

REACTIONS. (size) 6=0-3-8, 2=0-3-8
Max Horz 2=126(LC 12)
Max Uplift 6=-441(LC 13), 2=-441(LC 12)
Max Grav 6=1053(LC 1), 2=1053(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1773/939, 3-4=-1621/901, 4-5=-1621/901, 5-6=-1773/939
BOT CHORD 2-10=-692/1541, 8-10=-358/1017, 6-8=-717/1541
WEBS 4-8=-347/677, 5-8=-247/260, 4-10=-347/677, 3-10=-247/260

NOTES- (7)
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.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 441 lb uplift at joint 6 and 441 lb uplift at joint 2.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 10-14=-20, 8-10=-80(F=-60), 8-11=-20

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128519
2318369	T03G	Common Supported Gable	1	1	Job Reference (optional)	

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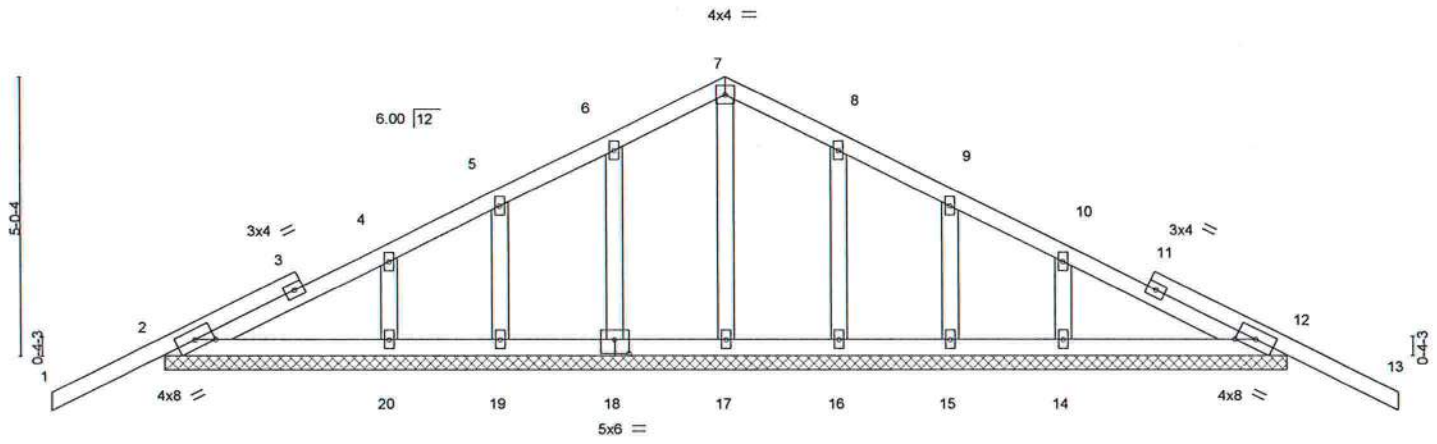
-2-0-0 2-0-0 | 10-0-0 10-0-0 | 20-0-0 10-0-0 | 22-0-0 2-0-0

Scale = 1:39.7



20-0-0
20-0-0

Plate Offsets (X,Y)-- [2:0-4-0,0-1-15], [12:0-4-0,0-1-15], [18:0-3-0,0-3-0]

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	0.32	Vert(LL)	-0.02	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	-0.02	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 105 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 6-0-0 oc bracing.

REACTIONS. All bearings 20-0-0.
(lb) - Max Horz 2=-119(LC 17)
Max Uplift All uplift 100 lb or less at joint(s) 18, 19, 16, 15 except 2=-112(LC 12), 12=-132(LC 13), 20=-120(LC 12), 14=-125(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 17, 18, 19, 20, 16, 15, 14 except 2=265(LC 23), 12=265(LC 24)

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

NOTES- (11)
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) 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) 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) 18, 19, 16, 15 except (jt=lb) 2=112, 12=132, 20=120, 14=125.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 12.
11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128520
2318369	T04	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:19 2020 Page 1
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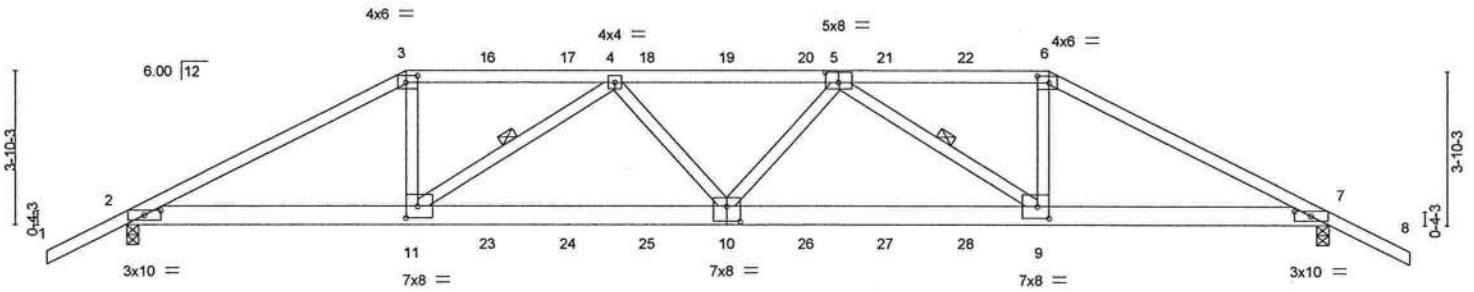
-2-0-0	7-0-0	12-2-14	17-10-2	23-1-0	30-1-0	32-1-0
2-0-0	7-0-0	5-2-14	5-7-5	5-2-14	7-0-0	2-0-0

Scale = 1:55.5



7-0-0	15-0-8	23-1-0	30-1-0
7-0-0	8-0-8	8-0-8	7-0-0

Plate Offsets (X,Y)-- [2:0-5-0,0-1-7], [3:0-3-8,0-2-0], [5:0-4-0,0-3-0], [6:0-3-8,0-2-0], [7:0-5-0,0-1-7], [9:0-3-8,0-3-8], [10:0-4-0,0-4-8], [11:0-3-8,0-3-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	0.30	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.41	9-10	>889	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 164 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

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

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=95(LC 31)
Max Uplift 2=-1167(LC 8), 7=-1215(LC 9)
Max Grav 2=2216(LC 1), 7=2255(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4295/2297, 3-4=-3832/2117, 4-5=-5214/2904, 5-6=-3908/2212, 6-7=-4383/2405
BOT CHORD 2-11=-2007/3772, 10-11=-2818/5038, 9-10=-2834/5068, 7-9=-2058/3850
WEBS 3-11=-697/1432, 4-11=-1535/1010, 4-10=-44/445, 5-10=0/424, 5-9=-1465/928, 6-9=-649/1392

NOTES- (9)
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=1167, 7=1215.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 145 lb up at 7-0-0, 106 lb down and 145 lb up at 9-0-12, 106 lb down and 145 lb up at 11-0-12, 106 lb down and 145 lb up at 13-0-12, 106 lb down and 145 lb up at 15-0-8, 106 lb down and 145 lb up at 17-0-4, 106 lb down and 145 lb up at 19-0-4, and 106 lb down and 145 lb up at 21-0-4, and 226 lb down and 285 lb up at 23-1-0 on top chord, and 296 lb down and 187 lb up at 7-0-0, 85 lb down and 25 lb up at 9-0-12, 85 lb down and 25 lb up at 11-0-12, 85 lb down and 25 lb up at 13-0-12, 85 lb down and 25 lb up at 15-0-8, 85 lb down and 25 lb up at 17-0-4, 85 lb down and 25 lb up at 19-0-4, and 85 lb down and 25 lb up at 21-0-4, and 296 lb down and 187 lb up at 23-0-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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

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Continued on page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-54, 6-8=-54, 2-7=-20

Concentrated Loads (lb)

Vert: 3=-106(B) 6=-179(B) 10=-61(B) 11=-287(B) 9=-287(B) 16=-106(B) 17=-106(B) 18=-106(B) 19=-106(B) 20=-106(B) 21=-106(B) 22=-106(B) 23=-61(B) 24=-61(B) 25=-61(B) 26=-61(B) 27=-61(B) 28=-61(B)

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128521
2318369	T05	HIP	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:20 2020 Page 1
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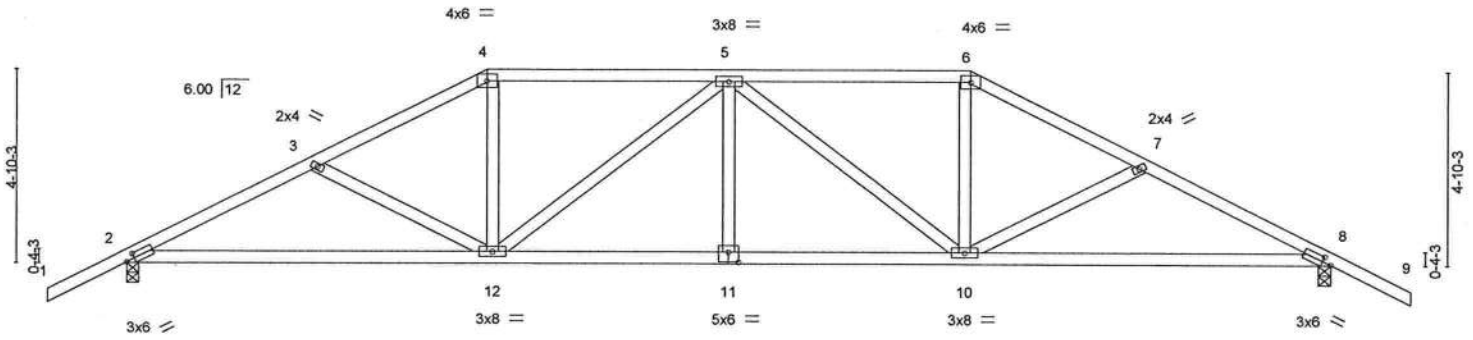
-2-0-0	4-9-5	9-0-0	15-0-8	21-1-0	25-3-11	30-1-0	32-1-0
2-0-0	4-9-5	4-2-11	6-0-8	6-0-8	4-2-11	4-9-5	2-0-0

Scale = 1:55.5



9-0-0	15-0-8	21-1-0	30-1-0
9-0-0	6-0-8	6-0-8	9-0-0

Plate Offsets (X,Y)-- [2:0-2-9,0-1-8], [8:0-2-9,0-1-8], [11:0-3-0,0-3-0]

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	0.41	Vert(LL)	-0.16	12-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.33	12-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 154 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-3 oc bracing.

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=-75(LC 10)
Max Uplift 8=-234(LC 13), 2=-234(LC 12)
Max Grav 8=1221(LC 1), 2=1221(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2046/1062, 3-4=-1789/916, 4-5=-1565/875, 5-6=-1565/875, 6-7=-1789/916, 7-8=-2046/1062
BOT CHORD 2-12=-794/1804, 11-12=-747/1863, 10-11=-747/1863, 8-10=-824/1804
WEBS 3-12=-289/276, 4-12=-202/530, 5-12=-465/216, 5-10=-465/216, 6-10=-202/530, 7-10=-289/276

NOTES- (7)
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) 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=234, 2=234.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128522
2318369	T06	HIP	1	1	Job Reference (optional)	

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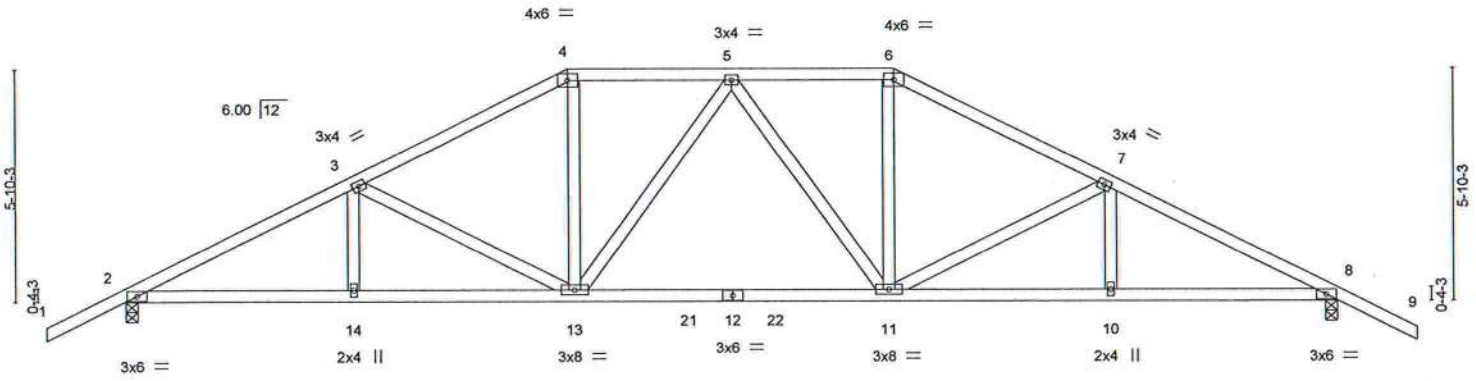
-2-0-0	5-7-11	11-0-0	15-0-8	19-1-0	24-5-5	30-1-0	32-1-0
2-0-0	5-7-11	5-4-5	4-0-8	4-0-8	5-4-5	5-7-11	2-0-0

Scale = 1:55.5



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

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 0.40	Vert(LL) -0.15 11-13 >999 240	MT20 244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.63	Vert(CT) -0.30 11-13 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.34	Horz(CT) 0.08 8 n/a n/a	
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS		Weight: 160 lb FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-2 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-88(LC 10)
Max Uplift 2=-249(LC 12), 8=-249(LC 13)
Max Grav 2=1221(LC 1), 8=1221(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2070/1047, 3-4=-1636/876, 4-5=-1410/844, 5-6=-1410/844, 6-7=-1636/876, 7-8=-2070/1047
BOT CHORD 2-14=-773/1802, 13-14=-773/1802, 11-13=-556/1488, 10-11=-803/1802, 8-10=-803/1802
WEBS 3-13=-458/346, 4-13=-196/465, 6-11=-196/465, 7-11=-458/346

NOTES- (7)
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) 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) 2=249, 8=249.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

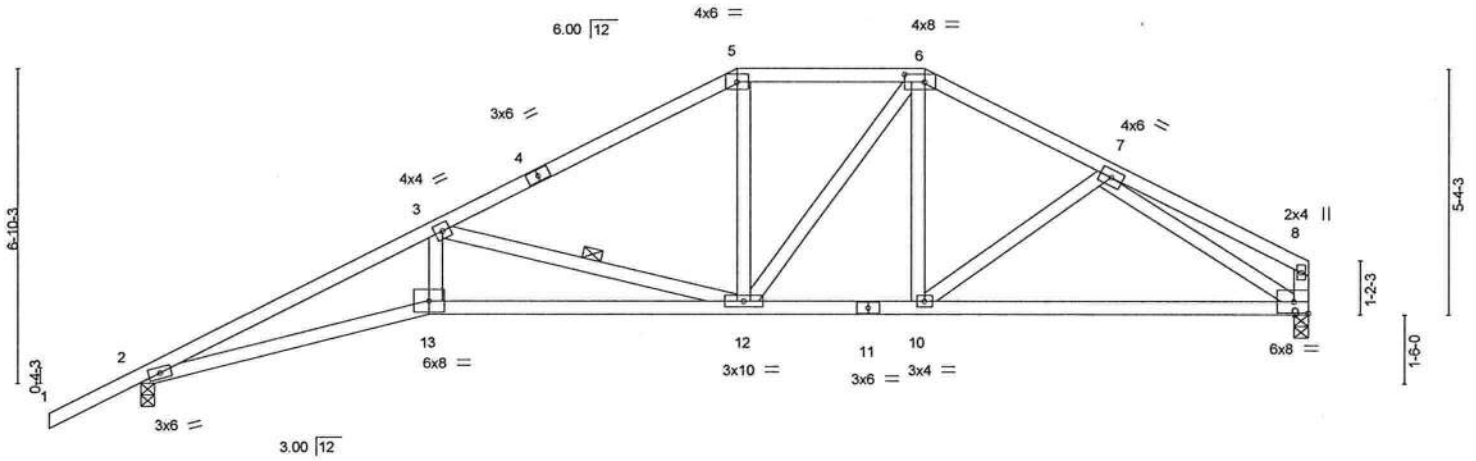
May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128523
2318369	T07	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:22 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-yqkHcjNGOfRwpSLmyH8pFKYEp5uYSICicbqhAzJqw3

-2-0-0	6-3-8	13-0-0	17-1-0	21-0-1	25-5-0
2-0-0	6-3-8	6-8-8	4-1-0	3-11-1	4-4-15

Scale: 1/4"=1'



6-3-8	13-0-0	17-1-0	25-5-0
6-3-8	6-8-8	4-1-0	8-4-0

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

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	0.61	Vert(LL)	-0.18	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.37	12-13	>810	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.16	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 134 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 3-1-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-8 oc bracing.
WEBS 1 Row at midpt 3-12

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=160(LC 12)
Max Uplift 2=-234(LC 12), 9=-167(LC 13)
Max Grav 2=1047(LC 1), 9=931(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3026/1617, 3-5=-1401/762, 5-6=-1187/755, 6-7=-1216/695
BOT CHORD 2-13=-1522/2737, 12-13=-1447/2585, 10-12=-442/1042, 9-10=-564/1063
WEBS 3-13=-324/763, 3-12=-1454/946, 5-12=-100/355, 6-12=-151/304, 7-9=-1143/654

NOTES- (8)
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) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=234, 9=167.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

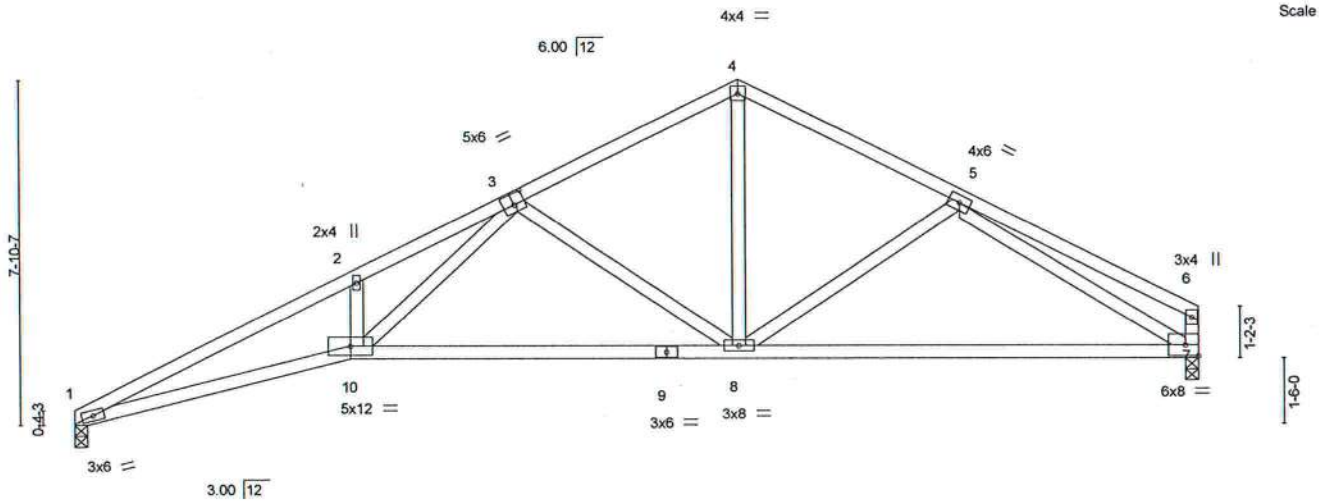
May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128524
2318369	T08	SPECIAL	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:23 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-Q0Ifp3Ou9zZnRcw2KfoNLSskfDSQHrlLxFLNDczJqw2

6-3-8	10-0-11	15-0-8	20-0-5	25-5-0
6-3-8	3-9-2	4-11-14	4-11-13	5-4-11

Scale = 1:50.4



6-3-8	15-0-8	25-5-0
6-3-8	8-9-0	10-4-8

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	0.57	Vert(LL)	-0.20	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.41	7-8	>739	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.14	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 126 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-9: 2x4 SP M 31
WEBS 2x4 SP No.3 *Except*
6-7: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-7-5 oc bracing.

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=145(LC 12)
Max Uplift 1=-203(LC 12), 7=-180(LC 13)
Max Grav 1=935(LC 1), 7=935(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3036/1640, 2-3=-3019/1794, 3-4=-1165/686, 4-5=-1166/690, 5-6=-258/141
BOT CHORD 1-10=-1541/2747, 8-10=-871/1615, 7-8=-590/1093
WEBS 2-10=-234/270, 3-10=-888/1465, 3-8=-765/576, 4-8=-395/729, 5-7=-1107/649

NOTES- (7)
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) 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.
5) Bearing at joint(s) 1 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) 1=203, 7=180.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
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6904 Parke East Blvd. Tampa FL 33610
Date:

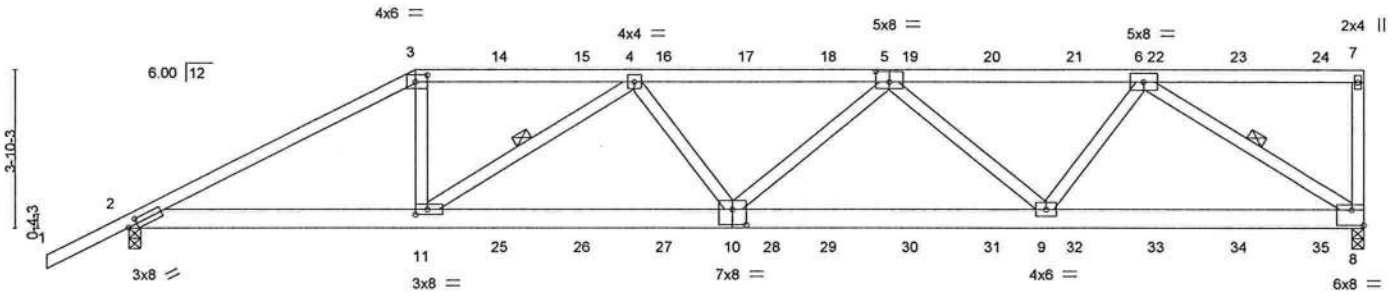
May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128525
2318369	T09	Half Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:26 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-rb_nS4RnRuxMI3fd0oL4z5UGSQaFUBYndDZ2qxzJqw?

-2-0-0	7-0-0	12-4-0	18-6-7	24-9-0	30-1-0
2-0-0	7-0-0	5-4-0	6-2-7	6-2-9	5-4-0

Scale = 1:54.0



7-0-0	14-8-12	22-4-3	30-1-0
7-0-0	7-8-12	7-7-7	7-8-13

Plate Offsets (X,Y)-- [2:0-2-10,0-1-8], [3:0-3-8,0-2-0], [5:0-4-0,0-3-0], [8:Edge,0-4-8], [10:0-4-0,0-4-8], [11:0-3-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.29	10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.38	10-11	>936	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.09	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 173 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP M 31
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-15 oc bracing.
WEBS 1 Row at midpt 4-11, 6-8

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=213(LC 27)
Max Uplift 8=-1501(LC 5), 2=-1137(LC 8)
Max Grav 8=2508(LC 1), 2=2187(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4227/2280, 3-4=-3769/2103, 4-5=-5073/2866, 5-6=-3860/2168, 7-8=-377/331
BOT CHORD 2-11=-2074/3711, 10-11=-2890/4965, 9-10=-2835/4836, 8-9=-1758/2961
WEBS 3-11=-682/1403, 4-11=-1514/993, 4-10=0/380, 5-10=-67/455, 5-9=-1321/901, 6-9=-721/1581, 6-8=-3508/2085

NOTES- (9)
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) 8=1501, 2=1137.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 125 lb down and 145 lb up at 7-0-0, 106 lb down and 145 lb up at 9-0-12, 106 lb down and 145 lb up at 11-0-12, 106 lb down and 145 lb up at 13-0-12, 106 lb down and 145 lb up at 15-0-12, 106 lb down and 145 lb up at 17-0-12, 106 lb down and 145 lb up at 19-0-12, 106 lb down and 145 lb up at 21-0-12, 106 lb down and 145 lb up at 23-0-12, 106 lb down and 145 lb up at 25-0-12, 106 lb down and 145 lb up at 27-0-12, and 109 lb down and 145 lb up at 29-0-12, and 135 lb down and 145 lb up at 29-11-4 on top chord, and 296 lb down and 187 lb up at 7-0-0, 85 lb down and 25 lb up at 9-0-12, 85 lb down and 25 lb up at 11-0-12, 85 lb down and 25 lb up at 13-0-12, 85 lb down and 25 lb up at 15-0-12, 85 lb down and 25 lb up at 17-0-12, 85 lb down and 25 lb up at 19-0-12, 85 lb down and 25 lb up at 21-0-12, 85 lb down and 25 lb up at 23-0-12, 85 lb down and 25 lb up at 25-0-12, and 85 lb down and 25 lb up at 27-0-12, and 87 lb down and 24 lb up at 29-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard

Continued on page 2

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: May 4,2020

LOAD CASE(S) Standard

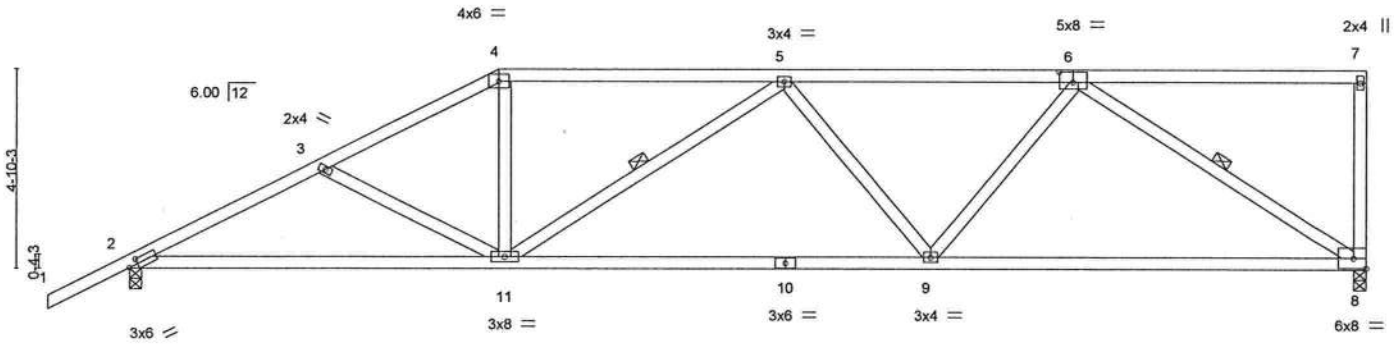
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-7=-54, 2-8=-20
   Concentrated Loads (lb)
   Vert: 3=-106(F) 7=-135(F) 11=-287(F) 14=-106(F) 15=-106(F) 16=-106(F) 17=-106(F) 18=-106(F) 19=-106(F) 20=-106(F) 21=-106(F) 22=-106(F) 23=-106(F) 24=-109(F) 25=-61(F) 26=-61(F) 27=-61(F) 28=-61(F) 29=-61(F) 30=-61(F) 31=-61(F) 32=-61(F) 33=-61(F) 34=-61(F) 35=-62(F)

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128526
2318369	T10	MONO HIP	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:27 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-JnYAfQRPCC3DwDEpZVsJWl1Q5qn1DjsxrtJbMOzJqw_

-2-0-0	4-9-5	9-0-0	15-11-9	23-1-7	30-1-0
2-0-0	4-9-5	4-2-11	6-11-9	7-1-14	6-11-9

Scale = 1:54.0



9-0-0	19-6-7	30-1-0
9-0-0	10-6-7	10-6-8

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

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	0.54	Vert(LL)	-0.22	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.46	8-9	>782	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 155 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
8-10: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-6 oc bracing.
WEBS 1 Row at midpt 5-11, 6-8

REACTIONS. (size) 8=0-3-8, 2=0-3-8
Max Horz 2=180(LC 12)
Max Uplift 8=-286(LC 9), 2=-230(LC 9)
Max Grav 8=1104(LC 1), 2=1219(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2046/1013, 3-4=-1798/871, 4-5=-1575/836, 5-6=-1667/805
BOT CHORD 2-11=-1071/1801, 9-11=-972/1841, 8-9=-698/1326
WEBS 3-11=-272/270, 4-11=-159/526, 5-11=-417/176, 5-9=-281/270, 6-9=-178/608, 6-8=-1548/823

NOTES- (7)
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) 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=286, 2=230.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

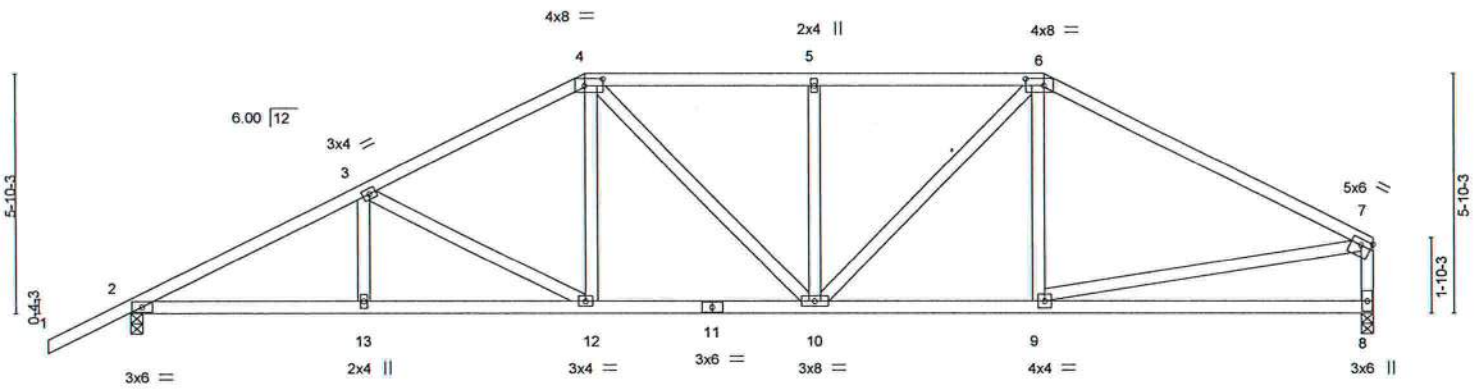
May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128527
2318369	T11	HIP	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:28 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-n_6YtmS1zVB4YNp?7COY2WadCEBLyBo44X28tqzJqvz

-2-0-0	5-7-11	11-0-0	16-6-8	22-1-0	30-1-0
2-0-0	5-7-11	5-4-5	5-6-8	5-6-8	8-0-0

Scale = 1:54.0



5-7-11	11-0-0	16-6-8	22-1-0	30-1-0
5-7-11	5-4-5	5-6-8	5-6-8	8-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [7:Edge,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	0.39	Vert(LL)	-0.12	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.25	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.06	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 168 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP M 31
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3 *Except*
7-8: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-1-11 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=129(LC 12)
Max Uplift 2=-248(LC 12), 8=-184(LC 13)
Max Grav 2=1219(LC 1), 8=1104(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2068/1039, 3-4=-1627/874, 4-5=-1499/888, 5-6=-1499/888, 6-7=-1434/723, 7-8=-1027/584
BOT CHORD 2-13=-927/1800, 12-13=-927/1800, 10-12=-630/1400, 9-10=-522/1193
WEBS 3-12=-463/339, 4-12=-124/387, 4-10=-110/259, 5-10=-336/228, 6-10=-218/515, 7-9=-425/1066

NOTES- (7)
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) 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) 2=248, 8=184.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

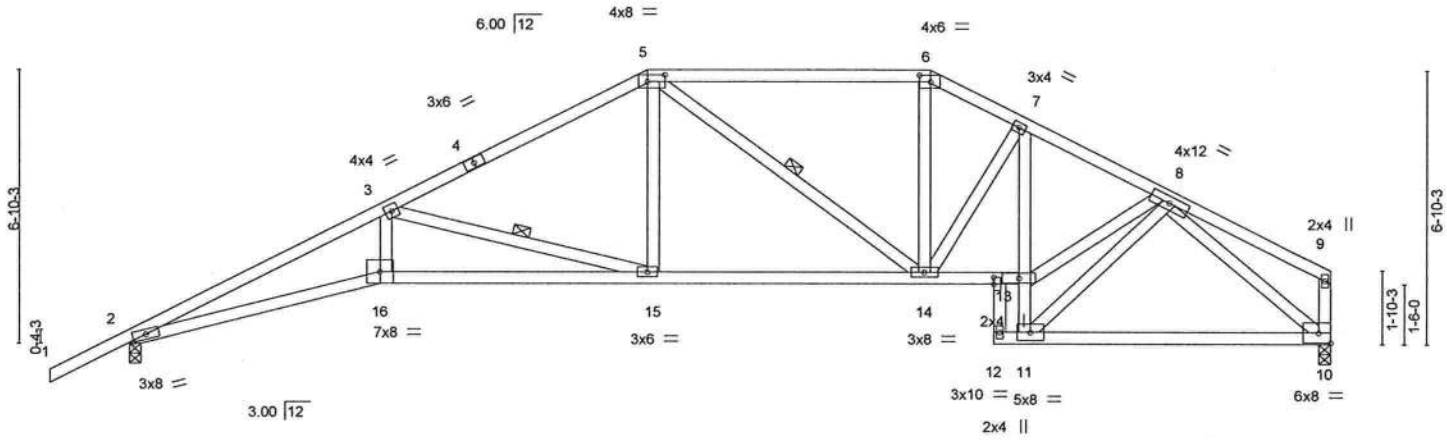
May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128528
2318369	T12	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:29 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-FAfw46TfkpJx9XNChwvnbj6jDeTbhaNDJBoiPGzJqvy

-2-0-0	6-3-8	13-0-0	20-1-0	22-3-8	26-0-10	30-1-0
2-0-0	6-3-8	6-8-8	7-1-0	2-2-8	3-9-2	4-0-5

Scale = 1:55.6



6-3-8	13-0-0	20-1-0	21-8-0	22-3-8	30-1-0
6-3-8	6-8-8	7-1-0	1-7-0	0-7-8	7-9-8

Plate Offsets (X,Y)-- [2:0-4-0,0-1-9], [5:0-5-4,0-2-0], [6:0-3-4,0-2-0], [17:0-2-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.25	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.50	15-16	>715	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.29	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 175 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-11: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
9-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-5-6 oc bracing. Except:
7-10-0 oc bracing: 11-13
WEBS 1 Row at midpt 3-15, 5-14

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=142(LC 12)
Max Uplift 2=-259(LC 12), 10=-196(LC 13)
Max Grav 2=1223(LC 1), 10=1115(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3735/1929, 3-5=-1918/1000, 5-6=-1497/885, 6-7=-1671/941, 7-8=-1806/971
BOT CHORD 2-16=-1761/3384, 15-16=-1674/3203, 14-15=-709/1661, 13-14=-708/1588, 11-13=-486/995, 10-11=-541/1066
WEBS 3-16=-381/906, 3-15=-1611/1004, 5-15=-214/602, 5-14=-313/111, 6-14=-206/484, 8-13=-786/1630, 8-11=-1265/725, 8-10=-1365/712

NOTES- (8)
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) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=259, 10=196.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

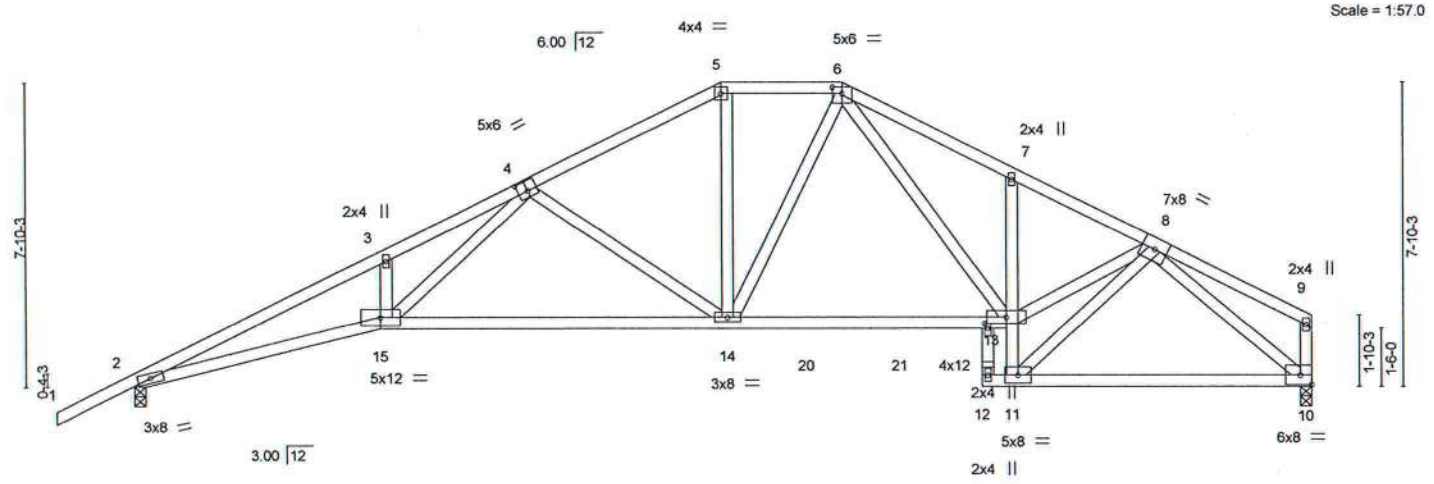
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128529
2318369	T13	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:30 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-jMDIHSUHV7RongyOFdQ08xfxq2ouQ2iNYrXFyizJqvx

-2-0-0	6-3-8	10-1-8	15-0-0	18-1-0	22-3-8	26-0-10	30-1-0
2-0-0	6-3-8	3-10-0	4-10-8	3-1-0	4-2-8	3-9-2	4-0-5

Scale = 1:57.0



6-3-8	15-0-0	21-8-0	22-3-8	30-1-0
6-3-8	8-8-8	6-8-0	0-7-8	7-9-8

Plate Offsets (X,Y)-- [4:0-3-0,0-3-0], [6:0-3-0,0-2-0], [16:0-1-8,0-1-0]

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	0.58	Vert(LL)	-0.26	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.96	Vert(CT)	-0.60	14-15	>595	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.27	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 178 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-11: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
9-10: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
7-10-0 oc bracing: 11-13

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=154(LC 12)
Max Uplift 2=-269(LC 12), 10=-209(LC 13)
Max Grav 2=1223(LC 1), 10=1115(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3694/1898, 3-4=-3650/2042, 4-5=-1624/910, 5-6=-1403/873, 6-7=-1902/1147, 7-8=-1853/1007
BOT CHORD 2-15=-1724/3341, 14-15=-1034/2074, 13-14=-529/1316, 11-13=-482/1014, 7-13=-244/256, 10-11=-546/1060
WEBS 3-15=-203/250, 4-15=-906/1620, 4-14=-830/590, 5-14=-234/492, 6-14=-65/310, 6-13=-383/572, 8-13=-820/1711, 8-11=-1301/724, 8-10=-1356/719

NOTES- (8)
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) 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=269, 10=209.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128530
2318369	T14	SPECIAL	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:32 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-glL2i8VX1khW0_6mM2SUDMkF5rU?uyCg?90M0bzJqvv

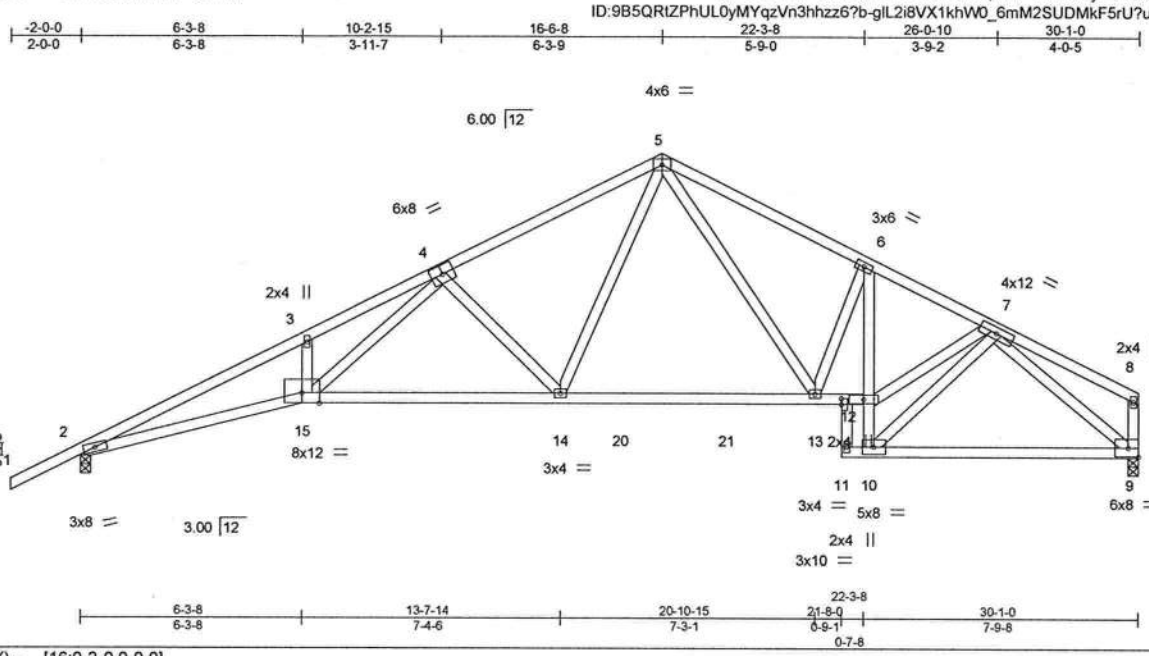


Plate Offsets (X,Y)-- [16:0-2-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.24	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.50	14-15	>717	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.27	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 176 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-10: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
8-9: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-5-4 oc bracing. Except:
2-2-0 oc bracing: 10-12

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=164(LC 12)
Max Uplift 2=-276(LC 12), 9=-217(LC 13)
Max Grav 2=1223(LC 1), 9=1115(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3680/1918, 3-4=-3630/2055, 4-5=-1790/1037, 5-6=-1779/1068, 6-7=-1808/1008
BOT CHORD 2-15=-1742/3325, 14-15=-1036/2059, 13-14=-476/1217, 12-13=-771/1620, 10-12=-480/965, 9-10=-552/1060
WEBS 4-15=-912/1601, 4-14=-776/583, 5-14=-413/798, 5-13=-343/588, 6-13=-284/295, 7-12=-819/1617, 7-10=-1221/716, 7-9=-1354/723

NOTES- (7)
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) 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) Bearing at joint(s) 2 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) 2=276, 9=217.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128531
2318369	T15	SPECIAL	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:33 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-8xvRwUWAo2pMe8hzwmzjlZHR4FsldQspEpmvZ1zJqvu

-2-0-0	6-3-8	10-2-15	16-6-8	23-1-7	30-1-0	32-1-0
2-0-0	6-3-8	3-11-7	6-3-9	6-6-15	6-11-9	2-0-0

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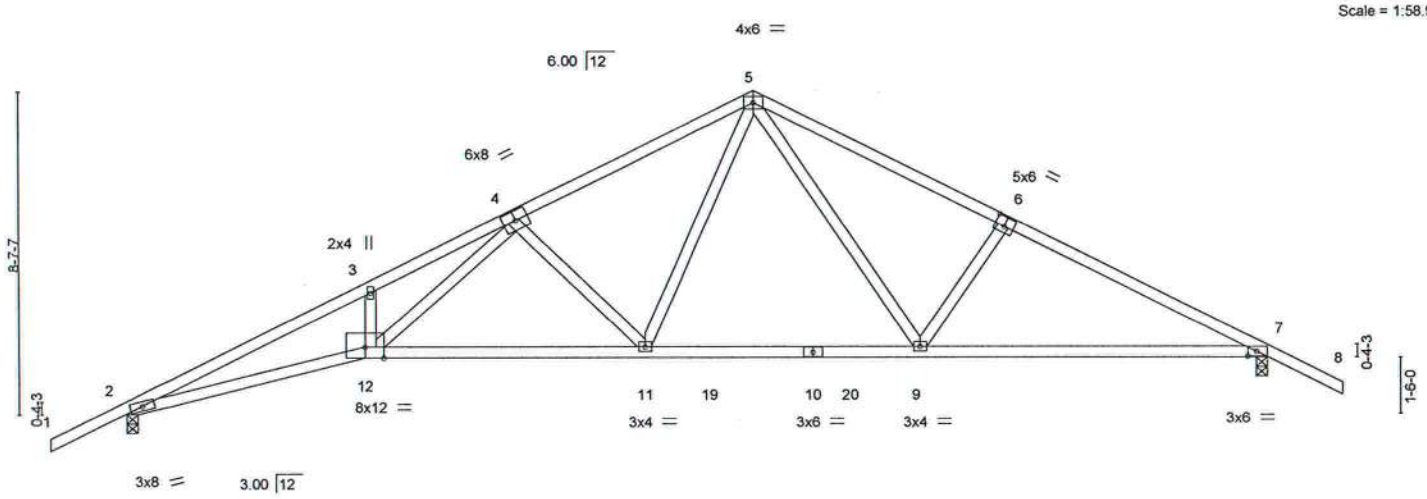

6-3-8	13-7-14	20-10-15	30-1-0
6-3-8	7-4-6	7-3-1	9-2-1

Plate Offsets (X,Y)-- [6:0-3-0,0-3-0], [7:0-2-12,0-1-8]

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	0.58	Vert(LL)	-0.24	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.51	11-12	>713	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.61	Horz(CT)	0.20	7	n/a	n/a		
BCDL	10.0	Code FBC2017/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-15 oc bracing.

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=148(LC 12)
Max Uplift 2=-278(LC 12), 7=-260(LC 13)
Max Grav 2=1221(LC 1), 7=1221(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3672/1837, 3-4=-3623/1976, 4-5=-1780/1020, 5-6=-1790/1042, 6-7=-1971/1062
BOT CHORD 2-12=-1599/3318, 11-12=-956/2050, 9-11=-417/1214, 7-9=-800/1722
WEBS 4-12=-859/1604, 4-11=-776/564, 5-11=-401/793, 5-9=-325/581, 6-9=-376/377

NOTES- (7)
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) 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) Bearing at joint(s) 2 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) 2=278, 7=260.
7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

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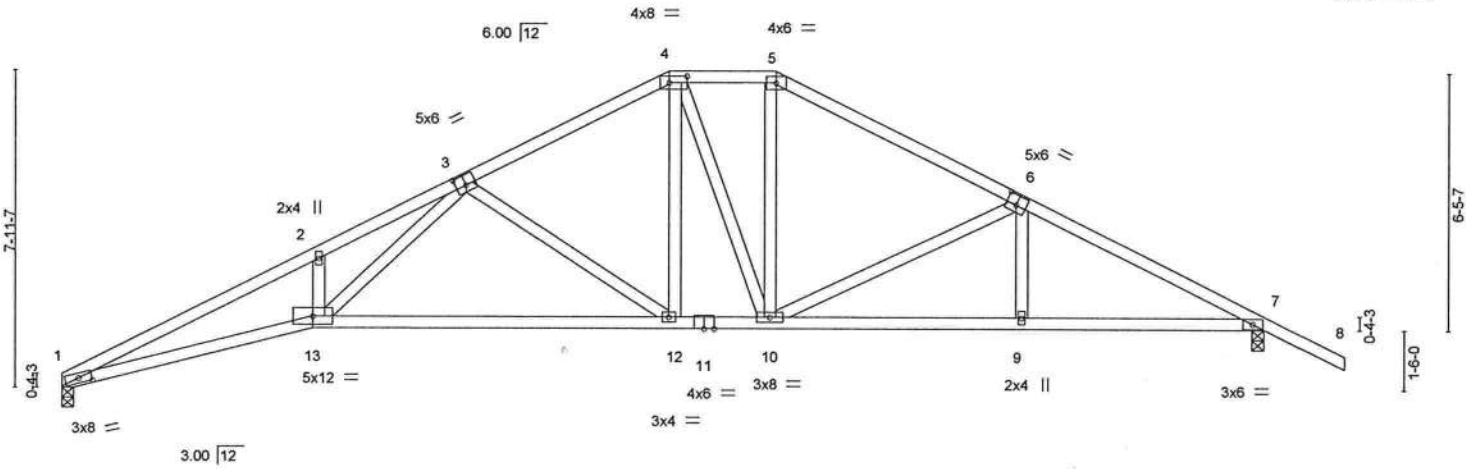
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	
2318369	T16	SPECIAL	1	1	Job Reference (optional)	T20128532

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:35 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-4K1BL9YQKf34tSrL1B0Br_Mly3V75JO6h7F0dwzJqvs

6-3-8	10-1-8	15-2-8	17-10-8	24-0-4	30-1-0	32-1-0
6-3-8	3-10-0	5-1-0	2-8-0	6-1-12	6-0-12	2-0-0

Scale = 1:55.6



6-3-8	15-2-8	17-10-8	24-0-4	30-1-0
6-3-8	8-11-0	2-8-0	6-1-12	6-0-12

Plate Offsets (X,Y)-- [1:0-4-0,0-1-9], [3:0-3-0,0-3-0], [4:0-5-4,0-2-0], [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	0.68	Vert(LL)	-0.29	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.67	12-13	>541	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.21	7	n/a	n/a		
BCDL	10.0	Code FBC2017/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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 7=0-3-8
Max Horz 1=113(LC 12)
Max Uplift 1=-234(LC 12), 7=-253(LC 13)
Max Grav 1=1109(LC 1), 7=1225(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3754/1921, 2-3=-3725/2072, 3-4=-1599/903, 4-5=-1321/852, 5-6=-1548/878, 6-7=-2071/1073
BOT CHORD 1-13=-1699/3403, 12-13=-987/2077, 10-12=-493/1382, 9-10=-822/1796, 7-9=-821/1799
WEBS 2-13=-218/266, 3-13=-932/1691, 3-12=-857/604, 4-12=-288/650, 4-10=-286/65, 5-10=-206/432, 6-10=-548/391, 6-9=0/268

NOTES- (8)
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) 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=234, 7=253.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128533
2318369	T17	SPECIAL	1	1	Job Reference (optional)	

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ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-YWaZYVY25zBxVbQYbuXQNCvwjSrVqnBFwn_Z9MzJqvr

6-3-8	10-0-11	15-0-8	16-10-8	19-10-8	24-8-8	30-1-0	32-1-0
6-3-8	3-9-3	4-11-13	1-10-0	3-0-0	4-10-0	5-4-8	2-0-0

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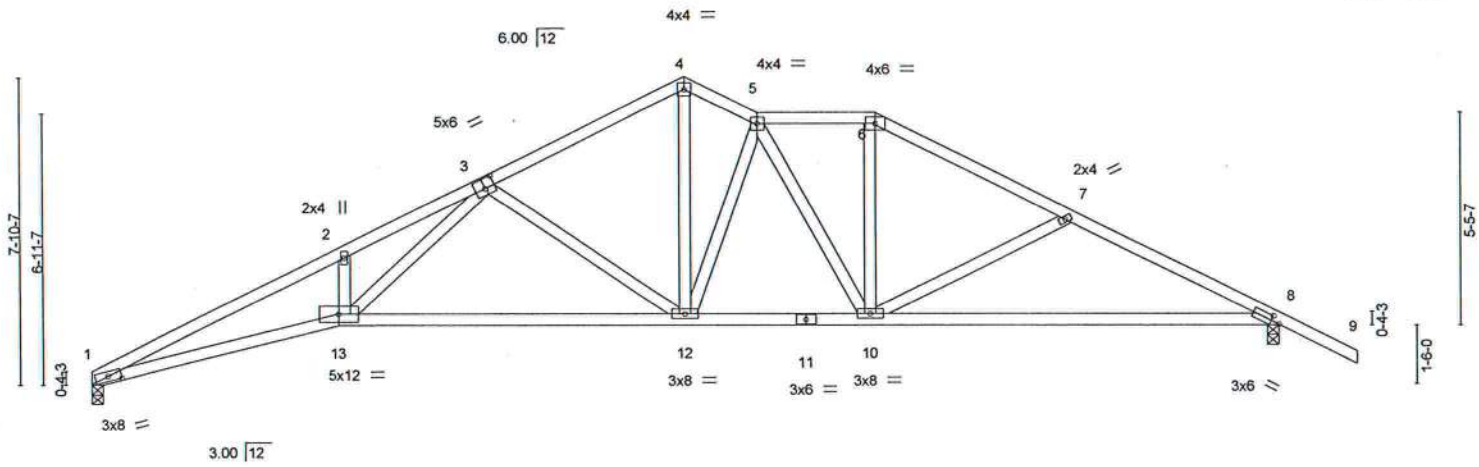

6-3-8	15-0-8	19-10-8	30-1-0
6-3-8	8-9-0	4-10-0	10-2-8

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

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	0.68	Vert(LL)	-0.29	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.67	12-13	>540	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.21	8	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 2-2-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 8=0-3-8
Max Horz 1=111(LC 12)
Max Uplift 1=-233(LC 12), 8=-273(LC 13)
Max Grav 1=1109(LC 1), 8=1225(LC 1)

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

TOP CHORD	1-2=-3754/1921, 2-3=-3725/2071, 3-4=-1632/924, 4-5=-1561/942, 5-6=-1481/891, 6-7=-1710/929, 7-8=-2022/1106
BOT CHORD	1-13=-1699/3403, 12-13=-1002/2100, 10-12=-635/1595, 8-10=-857/1784
WEBS	2-13=-221/265, 3-13=-921/1674, 3-12=-847/592, 4-12=-638/1165, 5-12=-579/363, 5-10=-265/139, 6-10=-226/518, 7-10=-361/331

NOTES- (8)

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) 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=233, 8=273.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128534
2318369	T18	Common	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:37 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-0i8xlrZgsGJo7l?k9b2fwPRA0sNlZMLP9Rk7iozJqvq

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2-0-0	4-2-0	4-2-0	2-0-0

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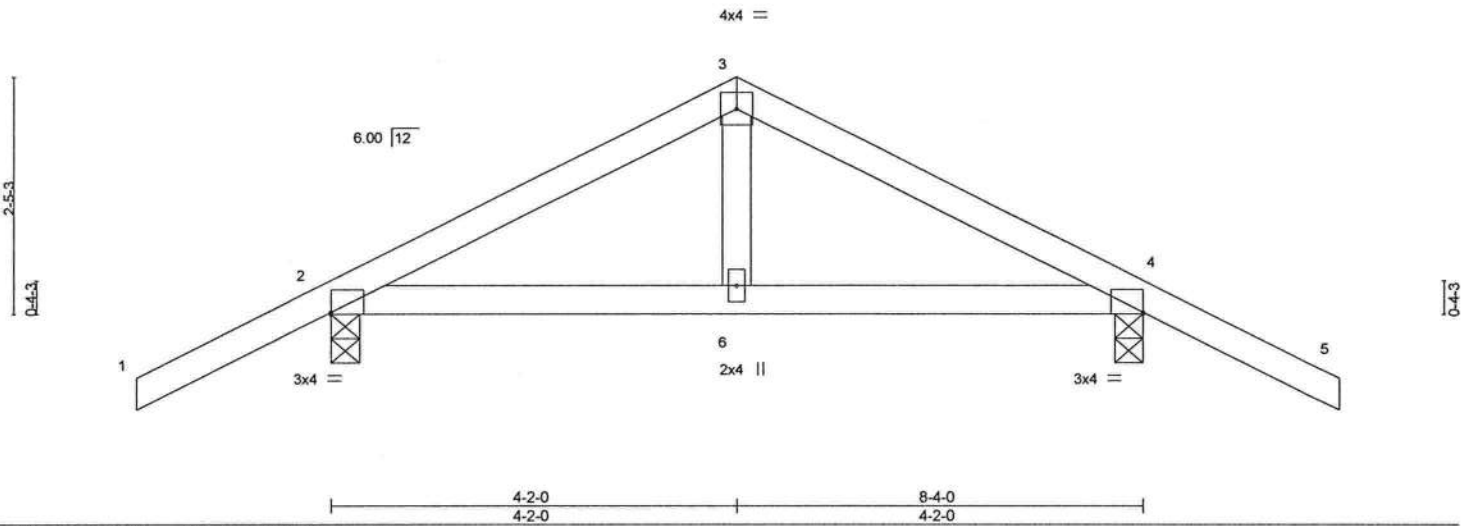

4-2-0	8-4-0
4-2-0	4-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.02	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.02	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 36 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=65(LC 16)
Max Uplift 2=-188(LC 12), 4=-188(LC 13)
Max Grav 2=416(LC 1), 4=416(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-363/545, 3-4=-363/545
BOT CHORD 2-6=-344/284, 4-6=-344/284
WEBS 3-6=-265/177

NOTES- (6)
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=188, 4=188.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128535
2318369	T18G	GABLE	1	1	Job Reference (optional)	

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2-0-0 | 4-2-0 | 4-2-0 | 2-0-0

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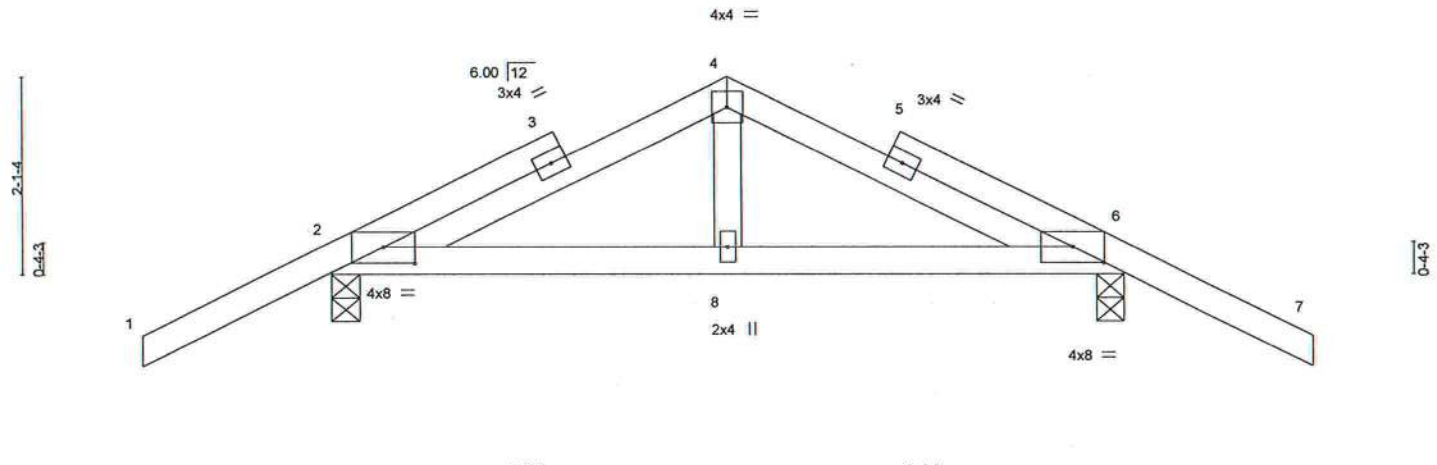

4-2-0 | 8-4-0
4-2-0 | 4-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.02	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.02	8-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 42 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) 2=0-3-8, 6=0-3-8
Max Horz 2=58(LC 12)
Max Uplift 2=-191(LC 12), 6=-191(LC 13)
Max Grav 2=413(LC 1), 6=413(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-334/523, 4-6=-334/521
BOT CHORD 2-8=-390/267, 6-8=-390/267

NOTES- (8)
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) 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=191, 6=191.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128536
2318369	T19	COMMON	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon May 4 15:39:40 2020 Page 1
ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-RHq4OtbZ8BiN_DjJqkbMY23hF4N0mj2rrPznI7zJqvn

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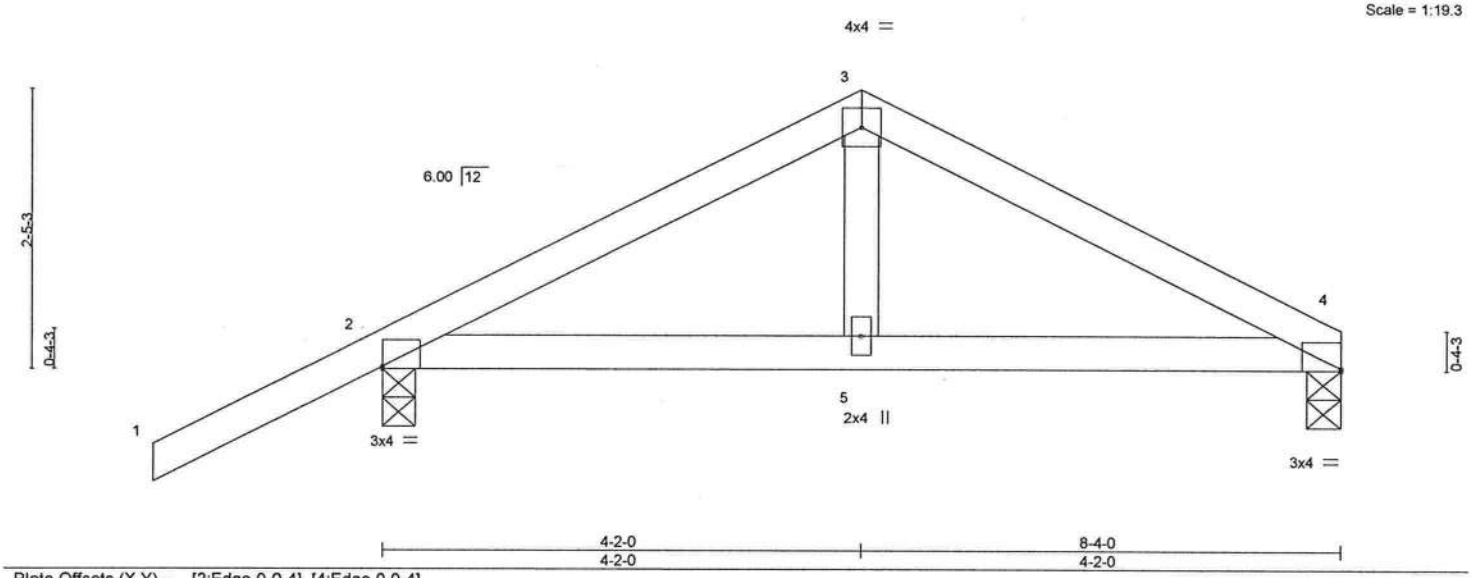

4-2-0 4-2-0 | 8-4-0 4-2-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	0.03	5-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.20	Vert(CT)	0.03	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	4	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 8-3-4 oc bracing.

REACTIONS. (size) 4=0-3-8, 2=0-3-8
Max Horz 2=53(LC 16)
Max Uplift 4=-115(LC 8), 2=-143(LC 8)
Max Grav 4=295(LC 1), 2=429(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-401/611, 3-4=-387/604
BOT CHORD 2-5=-466/319, 4-5=-466/319
WEBS 3-5=-303/183

NOTES- (6)
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) 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) 4=115, 2=143.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

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Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	T20128537
2318369	T20	HIP GIRDER	1	1	Job Reference (optional)	

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ID:9B5QRtZPhUL0yMYqzVn3hhzz6?b-NgyqpYdpgpy5DWthy9eqdT917t1yEdr8ljSuN0zJqvl

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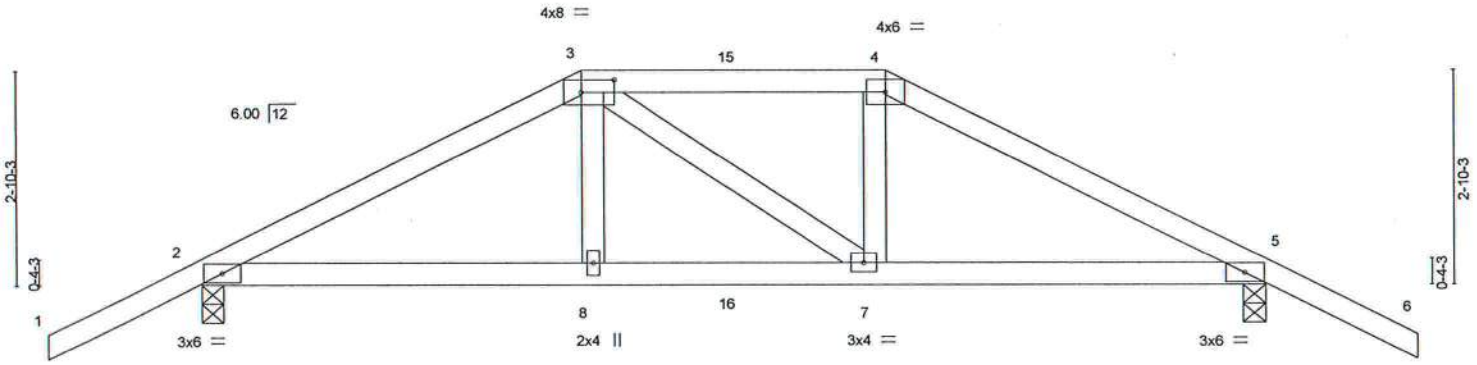

5-0-0 5-0-0 | 9-0-0 4-0-0 | 14-0-0 5-0-0

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

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	0.36	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.05	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.11	Horz(CT)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 63 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 5-0-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-9-1 oc bracing.

REACTIONS. (size) 2=0-3-8, 5=0-3-8
Max Horz 2=74(LC 12)
Max Uplift 2=-527(LC 8), 5=-544(LC 9)
Max Grav 2=811(LC 1), 5=829(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1179/883, 3-4=-1049/857, 4-5=-1220/921
BOT CHORD 2-8=-750/1005, 7-8=-759/1015, 5-7=-759/1041
WEBS 3-8=-157/302, 4-7=-128/290

NOTES- (9)
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; porch left and right exposed; 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=527, 5=544.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 72 lb down and 98 lb up at 5-0-0, and 54 lb down and 98 lb up at 7-0-0, and 165 lb down and 217 lb up at 9-0-0 on top chord, and 144 lb down and 127 lb up at 5-0-0, and 47 lb down and 58 lb up at 7-0-0, and 144 lb down and 127 lb up at 8-10-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-54, 4-6=-54, 9-12=-20
Concentrated Loads (lb)
Vert: 3=-54(B) 4=-119(B) 8=-64(B) 7=-64(B) 15=-54(B) 16=-33(B)

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Date:

May 4,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - LOT 10 CCP	
2318369	T21	COMMON	3	1	Job Reference (optional)	T20128538

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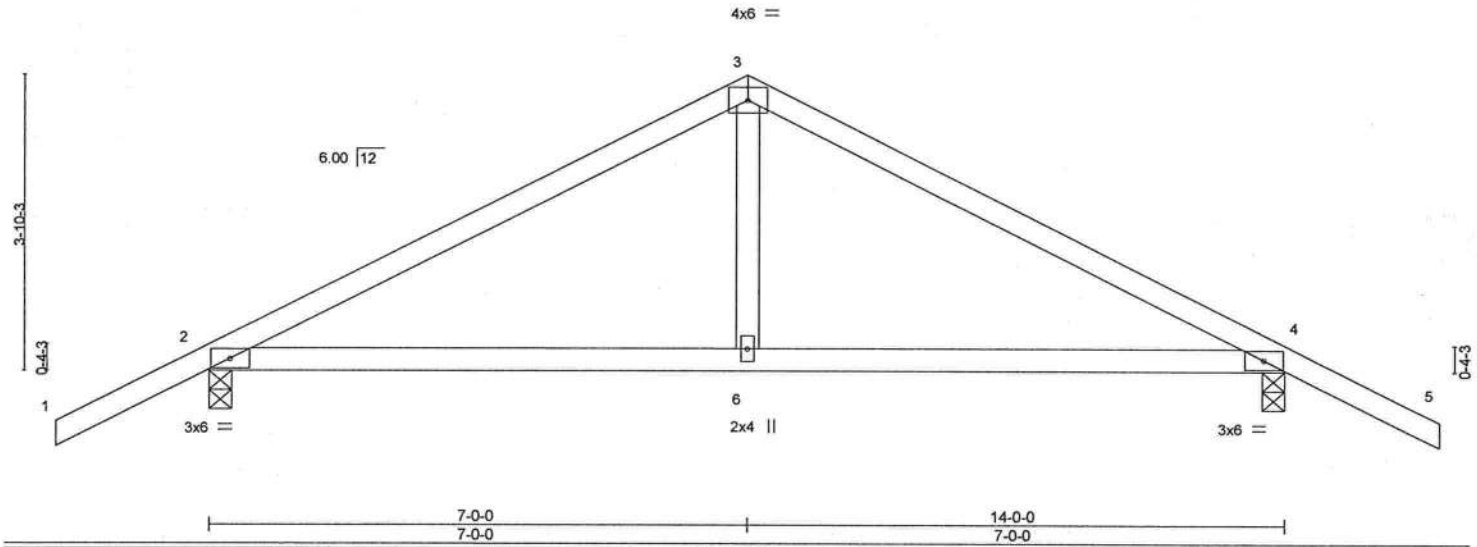


7-0-0 7-0-0 | 14-0-0 7-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	0.16	6-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	0.14	6-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 56 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-14 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=61(LC 11)
Max Uplift 2=-219(LC 9), 4=-219(LC 8)
Max Grav 2=626(LC 1), 4=626(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-705/949, 3-4=-705/949
BOT CHORD 2-6=-686/562, 4-6=-686/562
WEBS 3-6=-493/320

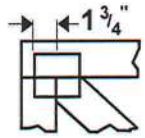
NOTES- (6)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & 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=219, 4=219.
6) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

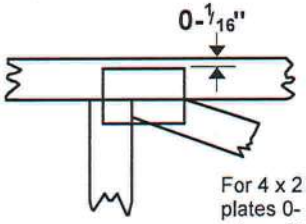
May 4,2020

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

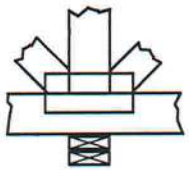
4 x 4

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

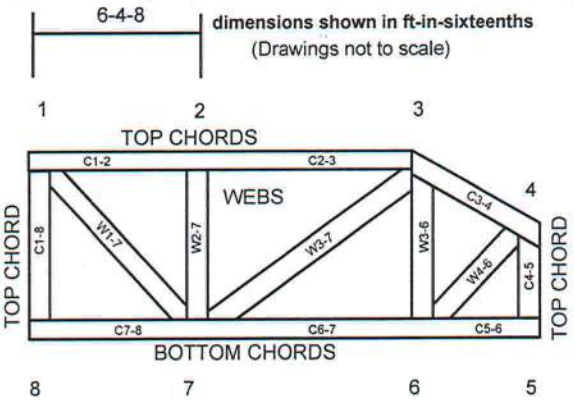


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

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®

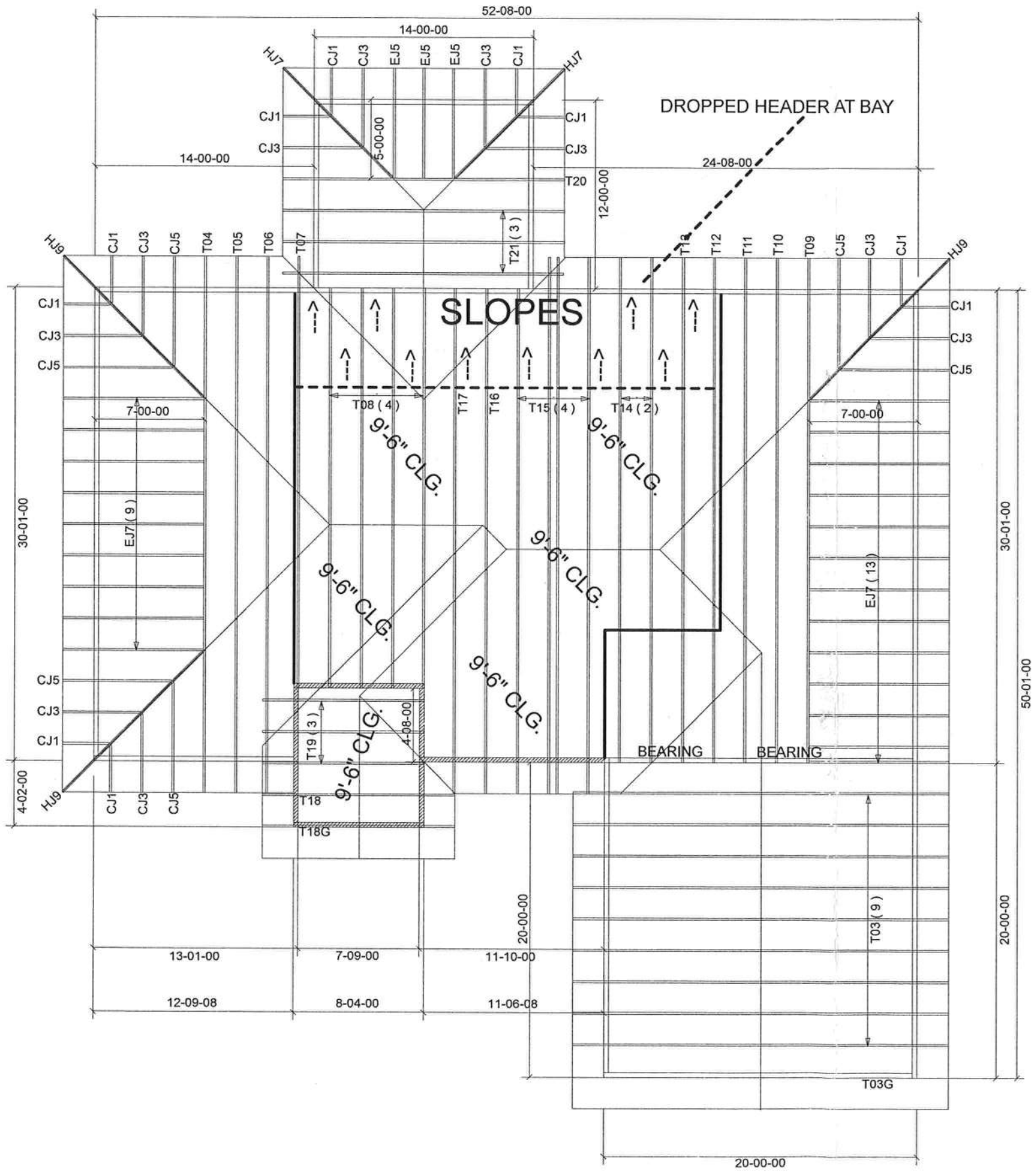
MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

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.

6/12 PITCH
24" O/H



BEARING HEIGHT SCHEDULE

- 8' 1-1/8"
- 9' 7-1/8"

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HTU26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved By: _____ Date: _____

Builders FirstSource
Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994
Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973
Lake City
PHONE: 386-755-6894 FAX: 386-755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: GIEBEIG HOMES		
LEGAL ADDRESS: LOT 10 CANNON CREEK PL		
MODEL: ST. JOHNS 3-BDRM	REVISION:	SCALE: NTS
DATE: 4-10-20	DRAWN BY: K.L.H.	JOB #: 2318369