



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

RE: 1685796 - SIMQUE HOMES - CAROLINA IV

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Aaron Simque Homes Project Name: n/a Model: Carolina IV
Lot/Block: 19 Subdivision: Preserves at Laurel Lake
Address: tbd, tbd
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 52 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	T16288462	CJ01	2/18/19	18	T16288479	EJ08	2/18/19
2	T16288463	CJ02	2/18/19	19	T16288480	EJ09	2/18/19
3	T16288464	CJ03	2/18/19	20	T16288481	HJ01	2/18/19
4	T16288465	CJ03A	2/18/19	21	T16288482	HJ02	2/18/19
5	T16288466	CJ04	2/18/19	22	T16288483	HJ03	2/18/19
6	T16288467	CJ05	2/18/19	23	T16288484	HJ04	2/18/19
7	T16288468	CJ06	2/18/19	24	T16288485	T01	2/18/19
8	T16288469	CJ07	2/18/19	25	T16288486	T02	2/18/19
9	T16288470	CJ08	2/18/19	26	T16288487	T03	2/18/19
10	T16288471	CJ09	2/18/19	27	T16288488	T04	2/18/19
11	T16288472	CJ10	2/18/19	28	T16288489	T05	2/18/19
12	T16288473	EJ01	2/18/19	29	T16288490	T06	2/18/19
13	T16288474	EJ03	2/18/19	30	T16288491	T07	2/18/19
14	T16288475	EJ04	2/18/19	31	T16288492	T08	2/18/19
15	T16288476	EJ05	2/18/19	32	T16288493	T09	2/18/19
16	T16288477	EJ06	2/18/19	33	T16288494	T10	2/18/19
17	T16288478	EJ07	2/18/19	34	T16288495	T11	2/18/19



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: Lee, Julius

My license renewal date for the state of Florida is February 28, 2021.



IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek. Any project specific information included is for MiTek's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.

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6904 Parke East Blvd. Tampa FL 33610
Date:

February 18, 2019

Lee, Julius

1 of 2



RE: 1685796 - SIMQUE HOMES - CAROLINA IV

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

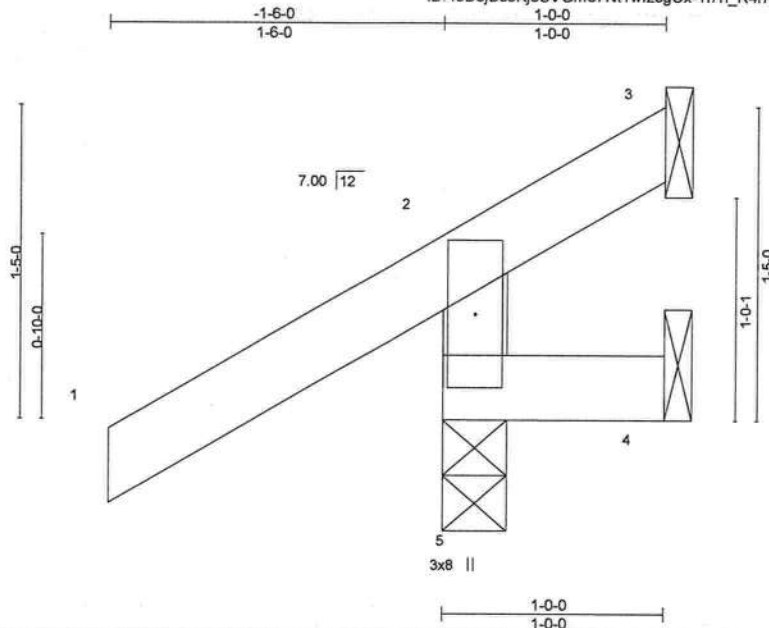
Customer Info: Aaron Simque Homes Project Name: n/a Model: Carolina IV
Lot/Block: 19 Subdivision: Preserves at Laurel Lake
Address: tbd, tbd
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
35	T16288496	T12	2/18/19
36	T16288497	T13	2/18/19
37	T16288498	T14	2/18/19
38	T16288499	T15	2/18/19
39	T16288500	T16	2/18/19
40	T16288501	T17	2/18/19
41	T16288502	T18	2/18/19
42	T16288503	T19	2/18/19
43	T16288504	T20	2/18/19
44	T16288505	T21	2/18/19
45	T16288506	T22	2/18/19
46	T16288507	T23	2/18/19
47	T16288508	T24	2/18/19
48	T16288509	T25	2/18/19
49	T16288510	T26	2/18/19
50	T16288511	T26G	2/18/19
51	T16288512	T27	2/18/19
52	T16288513	V01	2/18/19

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288462
1685796	CJ01	Jack-Open	10	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:03 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfzcgOx-117n_R4f7PSJsz71EQ9NnEMxUNEXQlyzRnj_KwzjxFc



Scale = 1:10.0

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 0.22	Vert(LL)	0.00	5	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	0.00	5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						
								Weight: 7 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=207/0-3-8, 3=42/Mechanical, 4=14/Mechanical
Max Horz 5=54(LC 12)
Max Uplift 5=96(LC 12), 3=42(LC 1), 4=14(LC 1)
Max Grav 5=207(LC 1), 3=20(LC 16), 4=10(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; end vertical left 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 100 lb uplift at joint(s) 5, 3, 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:

February 18, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

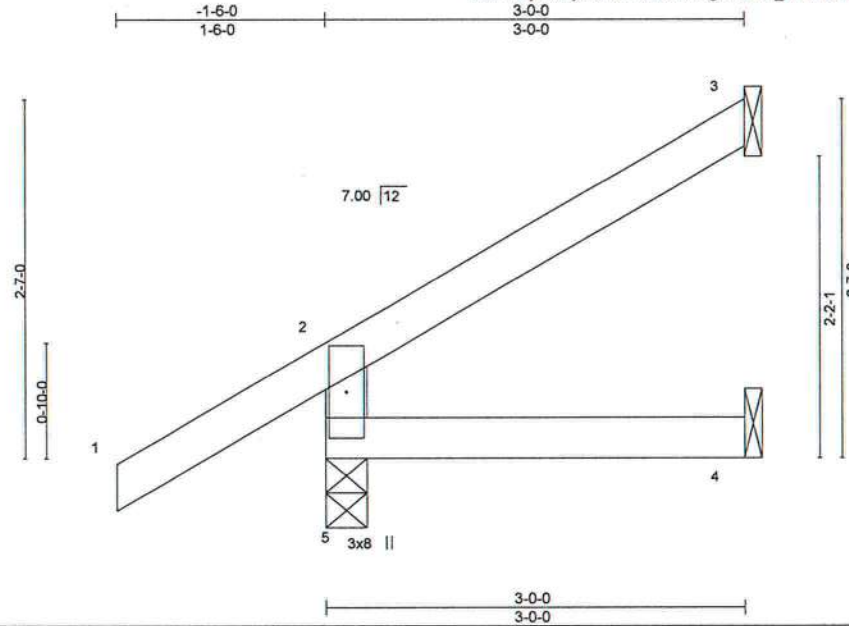
MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss CJ02	Truss Type Jack-Open	Qty 8	Ply 1	SIMQUE HOMES - CAROLINA IV Job Reference (optional)	T16288463
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Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:03 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfzcgOx-1l7n_R4f7PSJs2?1EQ9NnEMxGNDIQlyzRnj_KwzjxFc



Scale: 3/4"=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 0.23	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	-0.01	4-5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						Weight: 13 lb	FT = 20%

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

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

REACTIONS. (lb/size) 5=218/0-3-8, 3=55/Mechanical, 4=22/Mechanical
Max Horz 5=109(LC 12)
Max Uplift 5=-78(LC 12), 3=-69(LC 12), 4=-4(LC 12)
Max Grav 5=218(LC 1), 3=68(LC 19), 4=50(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; end vertical left 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 100 lb uplift at joint(s) 5, 3, 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:

February 18, 2019

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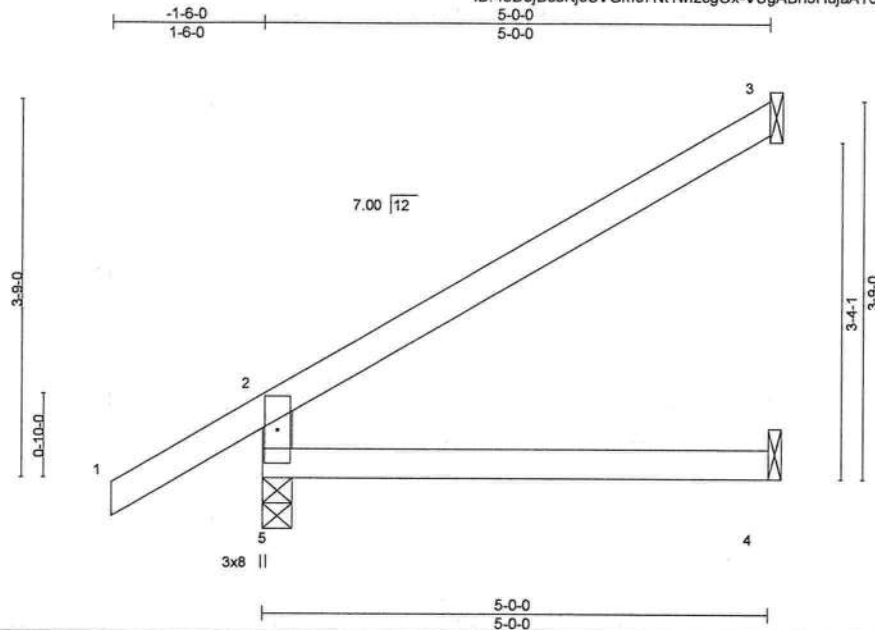


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288464
1685796	CJ03	Jack-Open	7	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:04 2019 Page 1
ID: 45D0jBc6Kj3SVGme7Nt1wfcgOx-VUgABn5HujAT6aDo7hcJSu4mnXQ9IC6fRTYsNzjxGb



Scale = 1:22.0

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.37	Vert(LL)	0.04	4-5	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.25	Vert(CT)	-0.06	4-5	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.03	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						
								Weight: 19 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 5=281/0-3-8, 3=111/Mechanical, 4=51/Mechanical
Max Horz 5=176(LC 12)
Max Uplift 5=88(LC 12), 3=122(LC 12), 4=8(LC 12)
Max Grav 5=281(LC 1), 3=130(LC 19), 4=88(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 100 lb uplift at joint(s) 5, 4 except (jt=lb) 3=122.
- 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:

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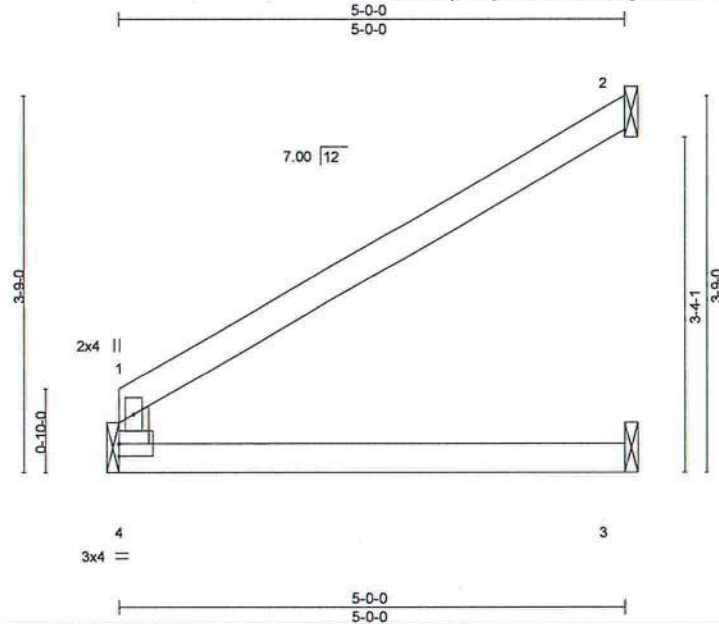
MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288465
1685796	CJ03A	Jack-Open	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:05 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-zhEYP75vf0i15G8QMrCrsfRFOBBSRuCRGu5C5OpzjxFa



Scale = 1:22.0

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 0.38	Vert(LL)	0.04	3-4	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.27	Vert(CT)	-0.06	3-4	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.03	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						Weight: 17 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 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 4=177/Mechanical, 2=119/Mechanical, 3=58/Mechanical
Max Horz 4=136(LC 12)
Max Uplift 4=25(LC 12), 2=127(LC 12), 3=11(LC 12)
Max Grav 4=177(LC 1), 2=138(LC 19), 3=90(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 100 lb uplift at joint(s) 4, 3 except (jt=lb) 2=127.
- 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:

February 18, 2019

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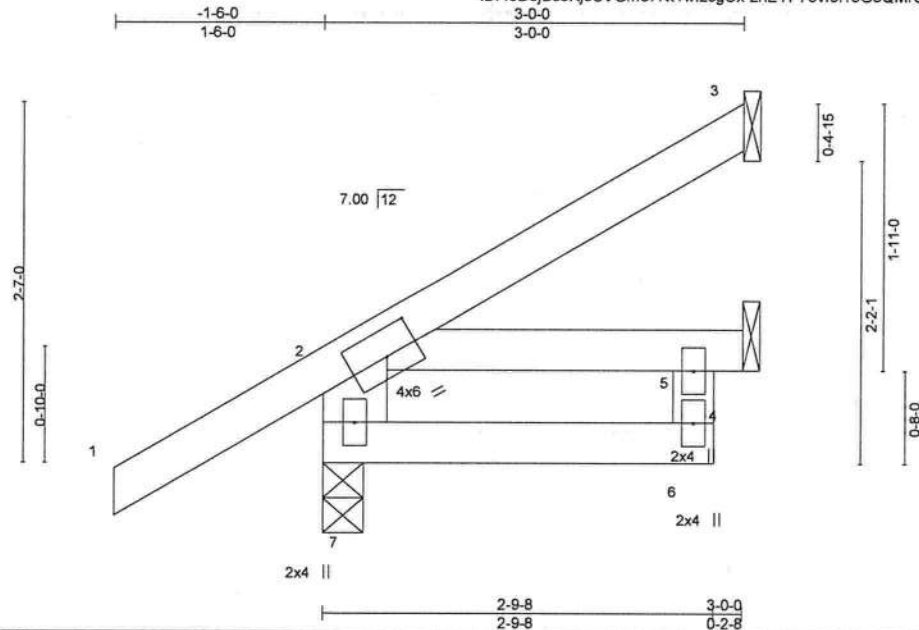


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288466
1685796	CJ04	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:05 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfcgOx-zhEYP75v0i15GBQMrCrsfRHIBuPuCRGu5C5OpzjFa



Scale: 3/4"=1'

Plate Offsets (X,Y)-		[2:0-2-12,0-2-4]											
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 20.0		Plate Grip DOL	1.25	TC 0.23		Vert(LL)	-0.00 2	>999	240	MT20	244/190		
TCDL 7.0		Lumber DOL	1.25	BC 0.14		Vert(CT)	-0.00 2-5	>999	180				
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00 3	n/a	n/a				
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MR									
										Weight: 18 lb	FT = 20%		

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
5-6: 2x4 SP No.3
WEBS 2x6 SP No.2

BRACING-

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

REACTIONS. (lb/size) 7=250/0-3-8, 3=54/Mechanical, 4=38/Mechanical
Max Horz 7=108(LC 12)
Max Uplift 7=72(LC 12), 3=59(LC 12), 4=4(LC 12)
Max Grav 7=250(LC 1), 3=63(LC 19), 4=94(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; end vertical left 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 100 lb uplift at joint(s) 7, 3, 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.



Julius Lee PE No.34869
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Date:

February 18,2019

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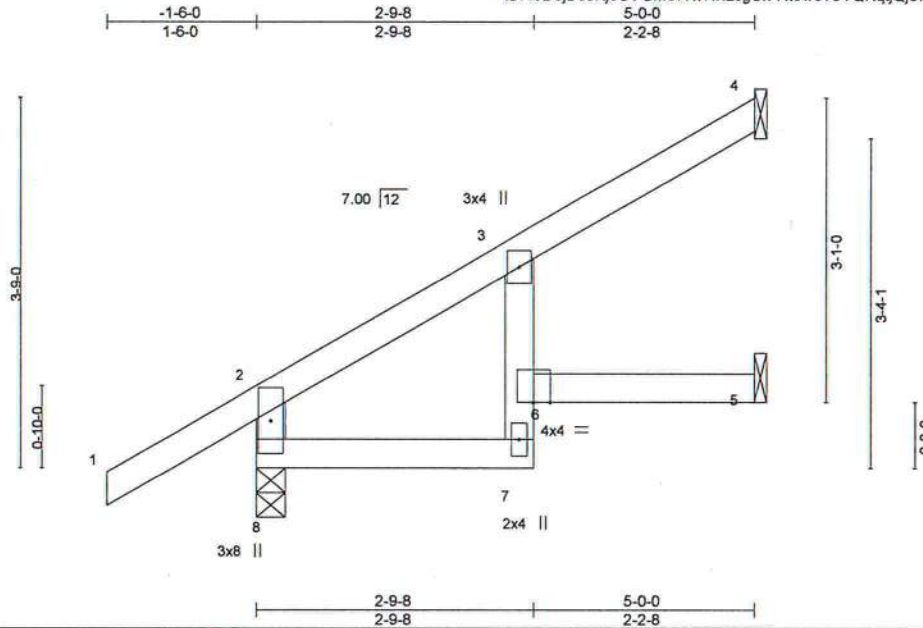


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288467
1685796	CJ05	Jack-Open	2	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:06 2019 Page 1
ID:45DojBc6Kj3SVGme7N11wfcgOx-RtowcT6YQKqJQjcvYj4Ot_SJbCEdthP7lyewFzjxZ



Scale = 1:22.4

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 0.24	Vert(LL)	0.04	6	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.05	6	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						Weight: 22 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 8=281/0-3-8, 4=100/Mechanical, 5=62/Mechanical
Max Horz 8=166(LC 12)
Max Uplift 8=-89(LC 12), 4=-94(LC 12), 5=-35(LC 12)
Max Grav 8=281(LC 1), 4=115(LC 19), 5=74(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; end vertical left 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 100 lb uplift at joint(s) 8, 4, 5.
- 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:

February 18, 2019

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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288468
1685796	CJ06	JACK	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:07 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-w3Mlpp7ABeykKaloTGEJx4Wed?bhM6xYMPHCTizjxFY

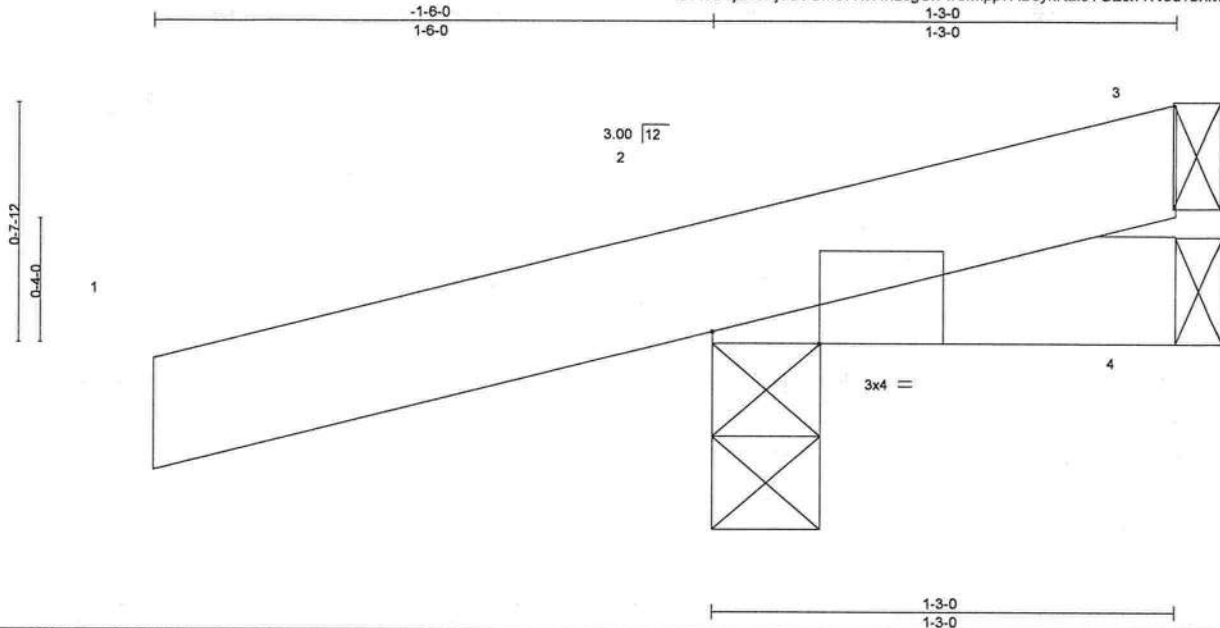


Plate Offsets (X,Y)-		[2-0-3-7, Edge]											
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 20.0		Plate Grip DOL	1.25	TC 0.14		Vert(LL)	0.00 5	>999	240	MT20	244/190		
TCDL 7.0		Lumber DOL	1.25	BC 0.02		Vert(CT)	-0.00 5	>999	180				
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00 4	n/a	n/a				
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MP									
										Weight: 6 lb	FT = 20%		

LUMBER-

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

BRACING-

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

REACTIONS.

(lb/size) 2=175/0-3-8, 4=11/Mechanical
Max Horz 2=39(LC 8)
Max Uplift 2=172(LC 8), 4=11(LC 1)
Max Grav 2=175(LC 1), 4=23(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 100 lb uplift at joint(s) 4 except (jt=lb) 2=172.
- 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	SIMQUE HOMES - CAROLINA IV	T16288469
1685796	CJ07	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:07 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfzcgOx-w3Mlpp7ABeykKaloTGEJx4Wed?afM6xYMPHCTizjxFY

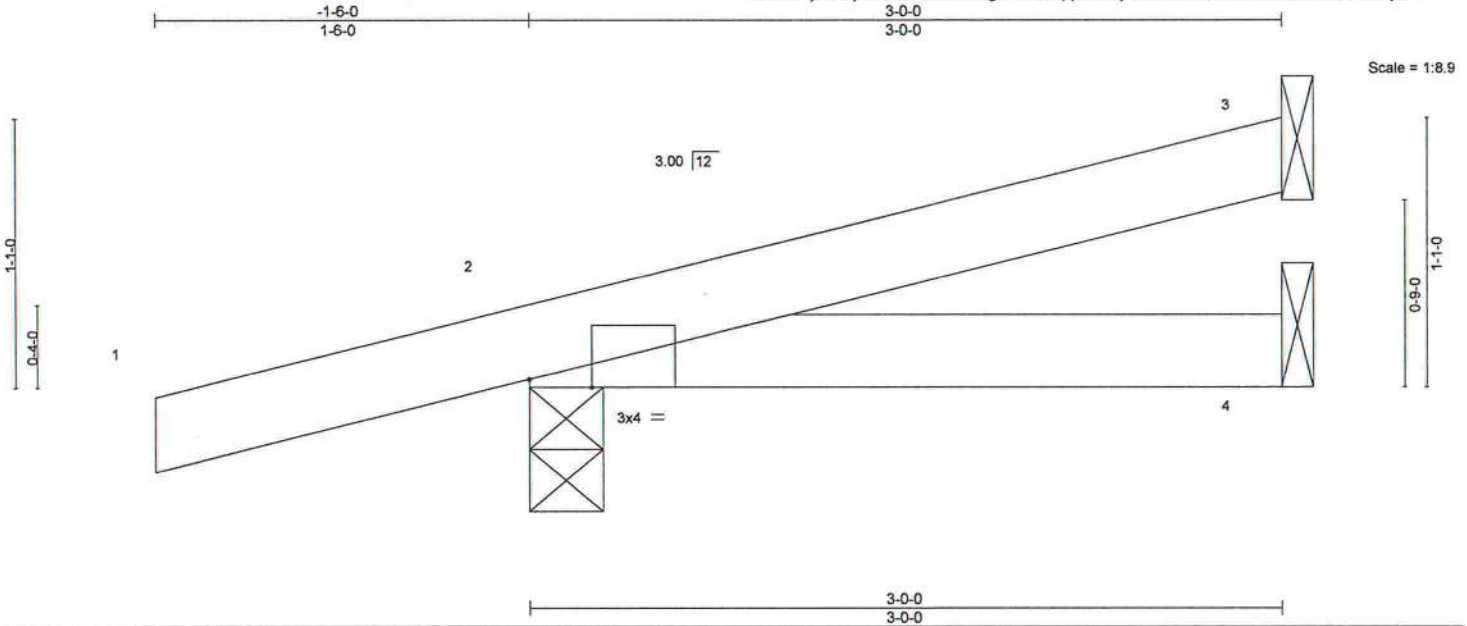


Plate Offsets (X,Y)- [2:0-2-15,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	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: 11 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(lb/size) 3=56/Mechanical, 2=210/0-3-8, 4=32/Mechanical
Max Horz 2=60(LC 8)
Max Uplift 3=43(LC 8), 2=187(LC 8), 4=25(LC 9)
Max Grav 3=56(LC 1), 2=210(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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=187.
- 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:

February 18,2019

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288470
1685796	CJ08	Jack-Open	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:08 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfzcgOx-OFwg188oyx4bykt?1zIYUI3mPOs15ZBia3RI?8zjzFX

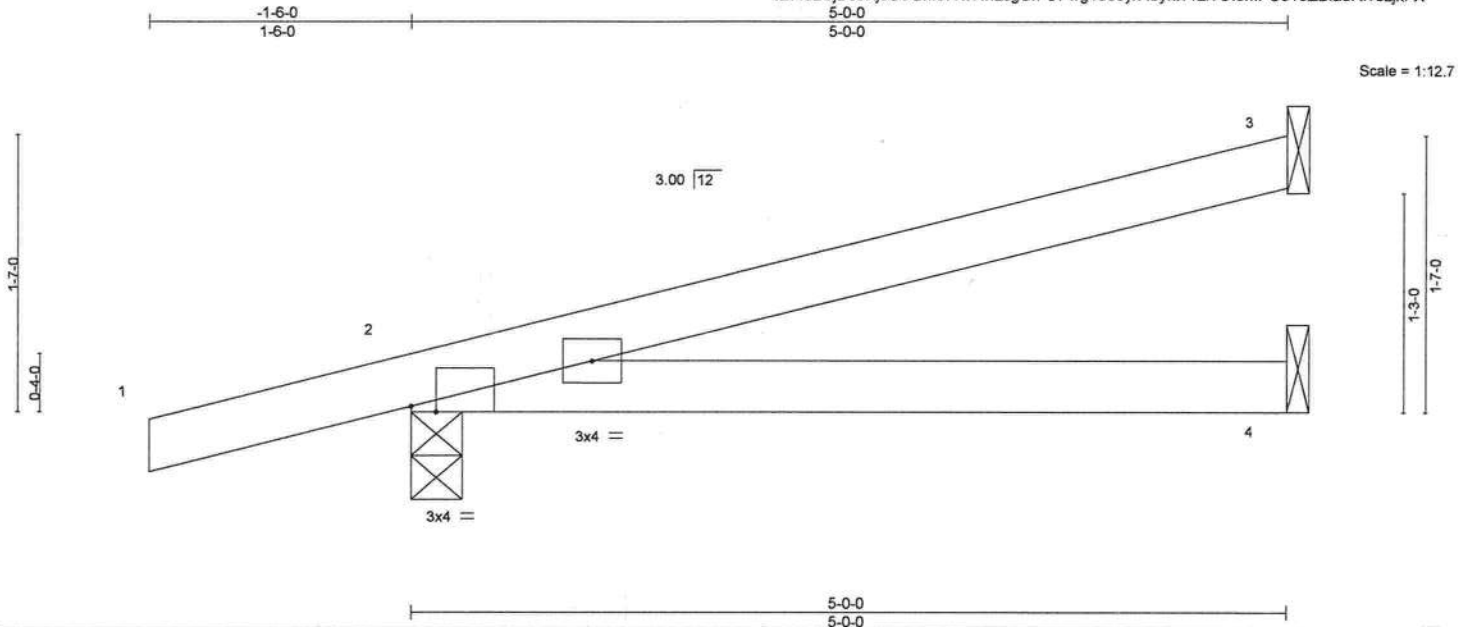


Plate Offsets (X,Y)-		[2:0-1-11,Edge]													
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP		
TCLL 20.0		Plate Grip DOL	1.25	TC 0.33		Vert(LL)	0.08	4-7	>756	240		MT20	244/190		
TCDL 7.0		Lumber DOL	1.25	BC 0.34		Vert(CT)	0.07	4-7	>876	180					
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	-0.00	3	n/a	n/a					
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MP											
												Weight: 18 lb	FT = 20%		

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 3=110/Mechanical, 2=276/0-3-8, 4=60/Mechanical
Max Horz 2=84(LC 8)
Max Uplift 3=-87(LC 8), 2=-232(LC 8), 4=-49(LC 8)
Max Grav 3=110(LC 1), 2=276(LC 1), 4=85(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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=232.
- 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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6904 Parke East Blvd. Tampa FL 33610
Date:

February 18, 2019

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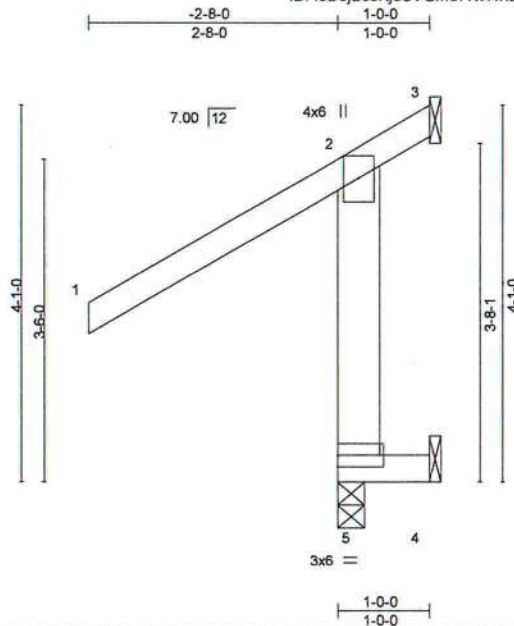


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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288471
1685796	CJ09	JACK-OPEN	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:09 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfcgOx-sSU3EU9QIFCSauSBgGn0VcsNoAlq0RrpjAJXazjFW



Scale: 1/2"=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 0.70	Vert(LL)	-0.00	5	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.46	Vert(CT)	-0.00	5	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.05	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						Weight: 15 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 5=483/0-3-8, 3=208/Mechanical, 4=62/Mechanical
Max Horz 5=138(LC 10)
Max Uplift 5=155(LC 16), 3=208(LC 1), 4=207(LC 9)
Max Grav 5=483(LC 1), 3=72(LC 16), 4=175(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-406/383

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; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=155, 3=208, 4=207.
- 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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MiTek USA, Inc. FL Cert 6634
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Date:

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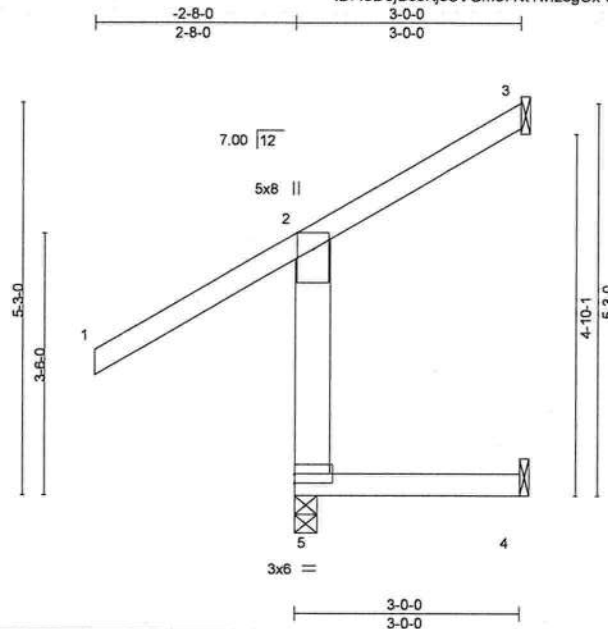


6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV
1685796	CJ10	JACK-OPEN	4	1	T16288472

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:09 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-sSU3EU9QIFCSauSBbgGn0VcsNo8Zq0RrpjAJXazjFW



Scale = 1:29.6

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.70	Vert(LL)	0.03	4-5	>958	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.64	Vert(CT)	0.03	4-5	>948	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.22	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MR						Weight: 22 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 5=340/0-3-8, 3=16/Mechanical, 4=0/Mechanical
Max Horz 5=164(LC 9)
Max Uplift 5=-55(LC 8), 3=-94(LC 12), 4=-95(LC 9)
Max Grav 5=340(LC 1), 3=74(LC 10), 4=53(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-286/234

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; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 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:

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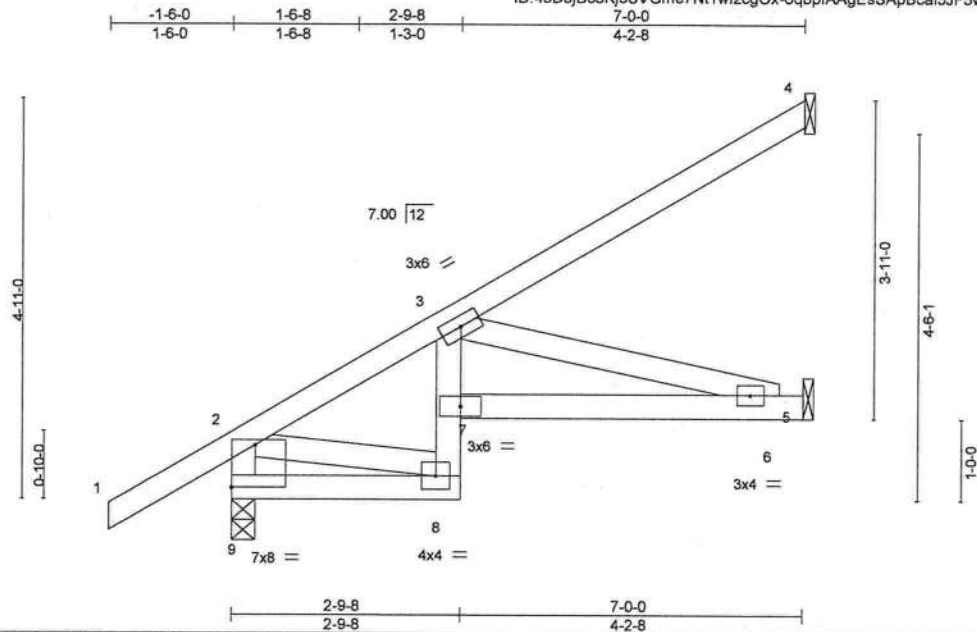


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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288474
1685796	EJ03	Jack-Partial	5	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:11 2019 Page 1
ID:45D0jBc5Kj3SVGme7Nt1wfcgOx-oqbpfAAgEsSApBcai5JF5whHpcnAltU8G0fPcTzjxFU



Scale = 1:27.2

Plate Offsets (X,Y)- [9:0-1-12,0-0-0], [9:Edge,0-6-4]

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 0.26	Vert(LL)	-0.03	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.88	Vert(CT)	-0.06	6-7	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.22	Horz(CT)	0.04	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						Weight: 38 lb	FT = 20%

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

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

REACTIONS. (lb/size) 9=351/0-3-8, 4=106/Mechanical, 5=135/Mechanical
Max Horz 9=155(LC 12)
Max Uplift 9=49(LC 12), 4=71(LC 12), 5=43(LC 12)
Max Grav 9=351(LC 1), 4=116(LC 19), 5=149(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-9=-326/181, 2-3=-261/44
BOT CHORD 8-9=-270/210, 6-7=-387/586
WEBS 3-6=-606/400

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) and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9, 4, 5.
- 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:

February 18, 2019

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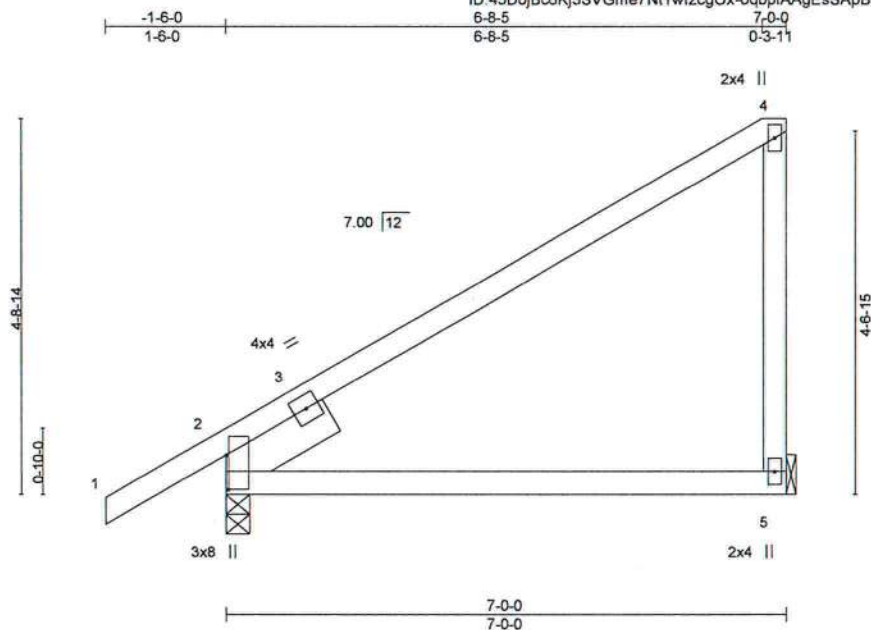
MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288475
1685796	EJ04	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MITek Industries, Inc. Mon Feb 18 10:11:11 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-oqbptAAgEsSapBcai5JF5whBCrDlww8G0fPcTzjxFU
6-8-5 7-0-0
6-8-5 0-3-11



Scale = 1:27.8

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	0.14	5-8	>573	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.56	Vert(CT)	-0.25	5-8	>334	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.07	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP							
									Weight: 35 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-

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

REACTIONS.

(lb/size) 5=245/Mechanical, 2=343/0-3-8
Max Horz 2=159(LC 12)
Max Uplift 5=-114(LC 12), 2=-47(LC 12)
Max Grav 5=267(LC 19), 2=343(LC 1)

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

TOP CHORD 2-4=-414/159

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) and C-C Exterior(2) zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 5=114.
- 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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February 18,2019

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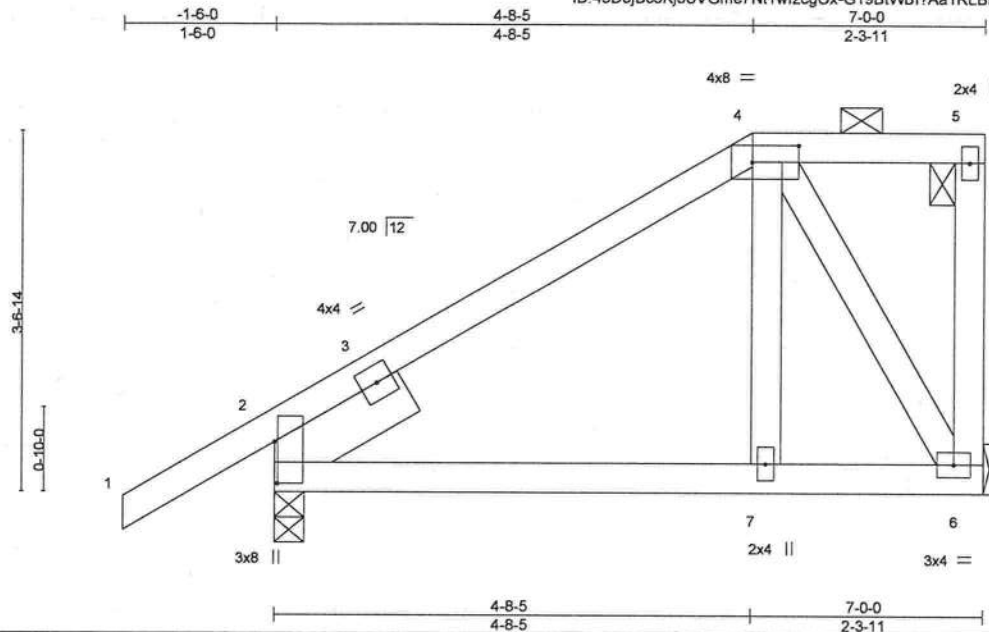


6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288476
1685796	EJ05	Half Hip	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:12 2019 Page 1
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Scale = 1:22.0

Plate Offsets (X,Y)- [2:0-4-15,0-0-6], [4:0-5-8,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.25	Vert(LL)	-0.02	7-10	>999	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.26	Vert(CT)	-0.03	7-10	>999	180	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.01	2	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						
								Weight: 42 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=343/0-3-8, 6=245/Mechanical
Max Horz 2=117(LC 12)
Max Uplift 2=67(LC 12), 6=67(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-6=289/186

NOTES- (9)

- Unbalanced roof live loads have been considered for this design.
- 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; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 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:

February 18,2019

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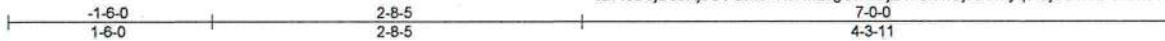
MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288477
1685796	EJ06	Half Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:13 2019 Page 1
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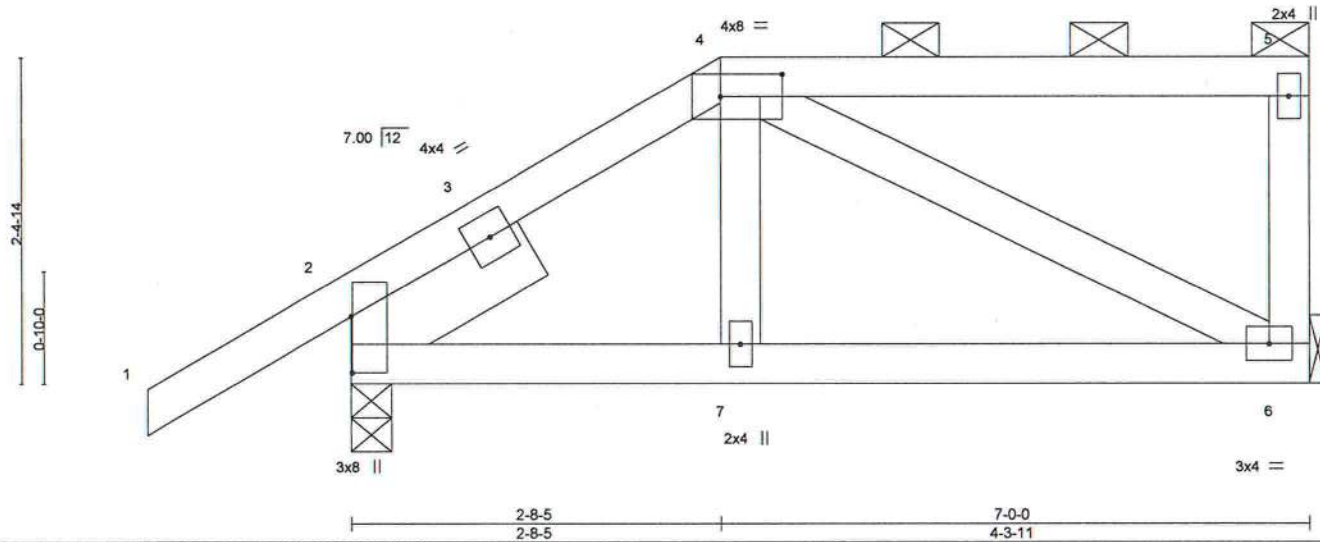


Plate Offsets (X,Y)- [2:0-4-15,0-0-2], [4:0-5-8,0-2-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.29	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.17	Vert(CT)	-0.02	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						Weight: 39 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins: 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=343/0-3-8, 6=245/Mechanical
Max Horz 2=77(LC 12)
Max Uplift 2=-71(LC 12), 6=-67(LC 9)

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

NOTES- (9)

- Unbalanced roof live loads have been considered for this design.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 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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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288478
1685796	EJ07	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:14 2019 Page 1
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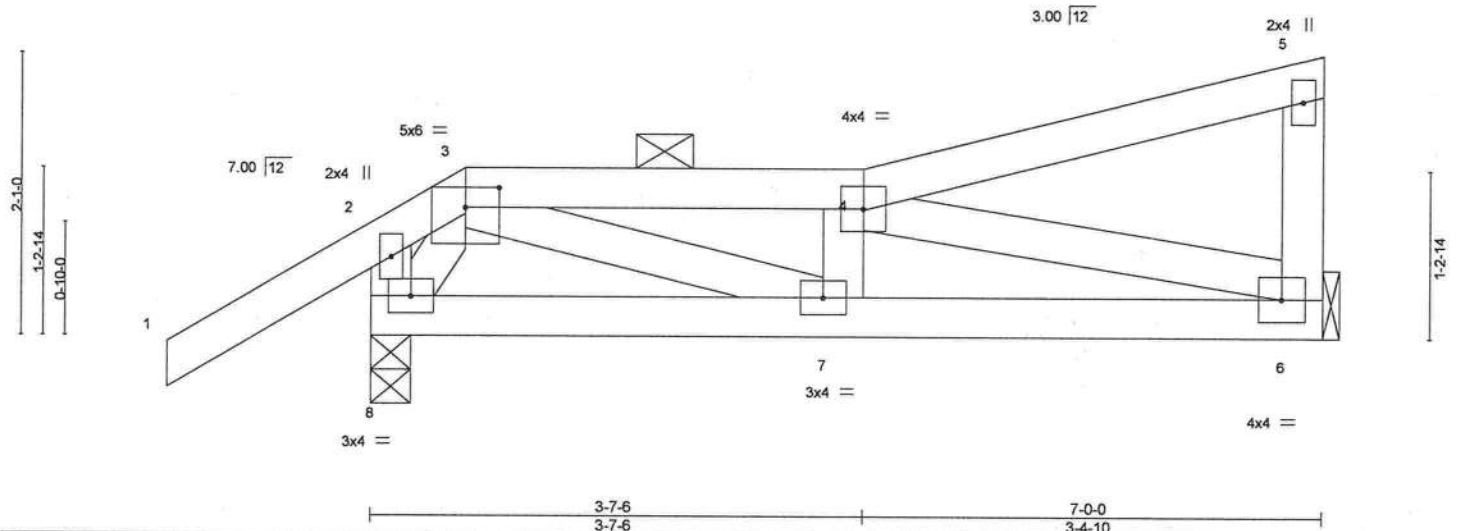


Plate Offsets (X,Y) -		[3:0-3-0,0-1-12]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.22		Vert(LL)	-0.01 7	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.16		Vert(CT)	-0.02 6-7	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.14		Horz(CT)	0.00 6	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MP						Weight: 38 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 6=237/Mechanical, 8=348/0-3-8
Max Horz 8=65(LC 12)
Max Uplift 6=-69(LC 8), 8=-92(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-401/240
BOT CHORD 6-7=-310/408
WEBS 3-7=-206/374, 4-6=-425/323, 2-8=-268/407, 3-8=-269/34

- 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) and C-C Exterior(2) zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 8.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288479
1685796	EJ08	Jack-Partial	5	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:14 2019 Page 1
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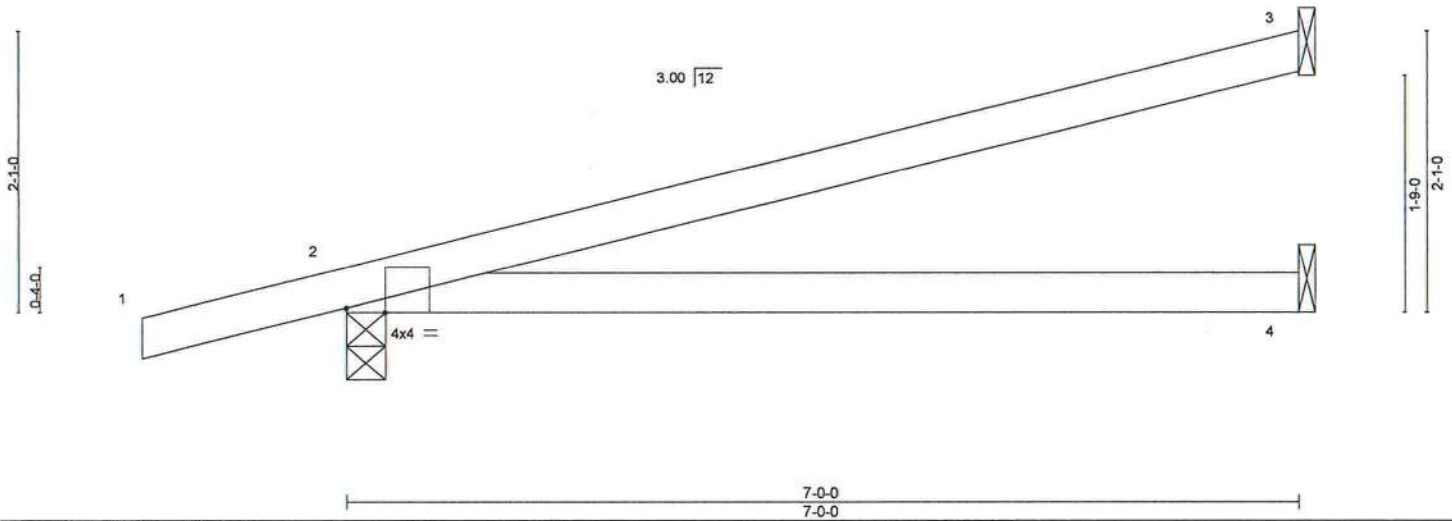


Plate Offsets (X,Y)-- [2:0-3-7,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	0.32	4-7	>263	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.72	Vert(CT)	0.27	4-7	>306		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.01	3	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP					Weight: 24 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. (lb/size) 3=161/Mechanical, 2=346/0-3-8, 4=86/Mechanical
Max Horz 2=77(LC 8)
Max Uplift 3=-86(LC 8), 2=-210(LC 8), 4=-63(LC 8)
Max Grav 3=161(LC 1), 2=346(LC 1), 4=122(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) 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 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=210.
- 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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

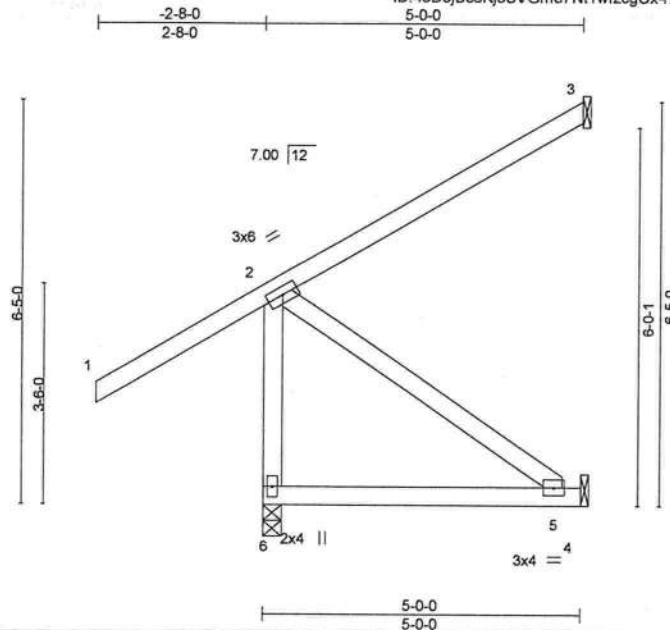
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV
1685796	EJ09	JACK-PARTIAL	5	1	T16288480
Builders FirstSource, Jacksonville, FL - 32244,					

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:15 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfzcgOx-hcrKVYDBI5zclpvLxxNBGmstXDEtEhzkBeddlEzjxFQ



Scale = 1:35.2

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66	Vert(LL)	0.08	5-6	>677	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.39	Vert(CT)	0.08	5-6	>762	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.19	Horz(CT)	-0.01	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP							
										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 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-0-11 oc bracing.

REACTIONS. (lb/size) 6=374/0-3-8, 3=85/Mechanical, 4=48/Mechanical
Max Horz 6=195(LC 9)
Max Uplift 6=-54(LC 12), 3=-97(LC 12), 4=-146(LC 9)
Max Grav 6=374(LC 1), 3=103(LC 19), 4=96(LC 3)

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

TOP CHORD 2-6=-326/178
BOT CHORD 5-6=-308/250
WEBS 2-5=-308/379

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; end vertical left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 3 except (jt=lb) 4=146.
- 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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MiTek USA, Inc. FL Cert 6634
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Date:

February 18, 2019

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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288481
1685796	HJ01	Diagonal Hip Girder	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:16 2019 Page 1
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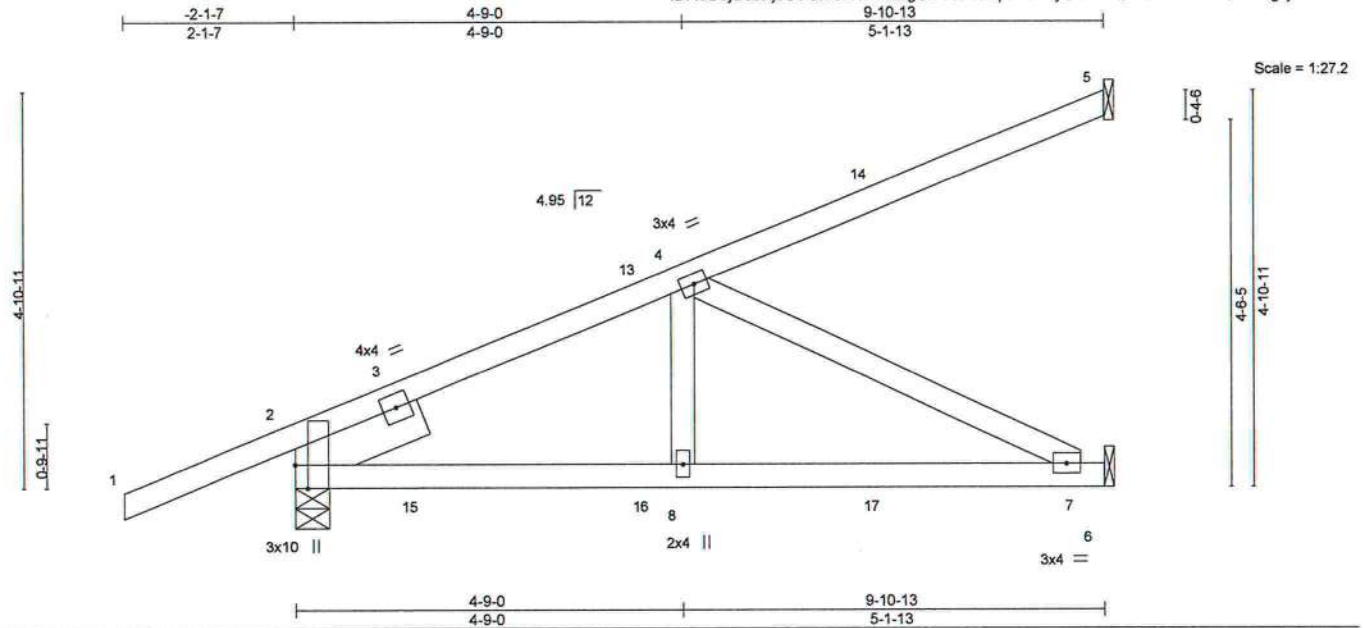


Plate Offsets (X,Y)-- [2:0-3-8,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.56	Vert(LL)	0.06	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.11	7-8	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.34	Horz(CT)	-0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 49 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-8-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-9-13 oc bracing.

REACTIONS. (lb/size) 5=146/Mechanical, 2=468/0-4-15, 6=280/Mechanical
Max Horz 2=234(LC 8)
Max Uplift 5=148(LC 8), 2=332(LC 4), 6=210(LC 8)
Max Grav 5=146(LC 1), 2=490(LC 35), 6=317(LC 35)

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

TOP CHORD 2-4=-650/328
BOT CHORD 2-8=-435/519, 7-8=-435/519
WEBS 4-8=-21/255, 4-7=-582/488

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; end vertical left 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 100 lb uplift at joint(s) except (jt=lb) 5=148, 2=332, 6=210.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 118 lb up at 1-5-12, 81 lb down and 118 lb up at 1-5-12, 110 lb down and 58 lb up at 4-3-11, 110 lb down and 58 lb up at 4-3-11, and 144 lb down and 121 lb up at 7-1-10, and 144 lb down and 121 lb up at 7-1-10 on top chord, and 11 lb down and 42 lb up at 1-5-12, 11 lb down and 42 lb up at 1-5-12, 26 lb down and 11 lb up at 4-3-11, 26 lb down and 11 lb up at 4-3-11, and 48 lb down and 22 lb up at 7-1-10, and 48 lb down and 22 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: 1-5=-54, 6-9=-20



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Date:

February 18,2019

Continued on page 2

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288481
1685796	HJ01	Diagonal Hip Girder	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:16 2019 Page 2
ID:45DqjBc6Kj3SVGme7Nt1wfcgOx-9oPiuEp3P5TvyUXVeuQozO4tdYIz5ttQINAHgzjxFP

LOAD CASE(S) Standard
Concentrated Loads (lb)

Vert: 3=60(F=30, B=30) 14=-69(F=-35, B=-35) 16=3(F=2, B=2) 17=-45(F=-23, B=-23)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288482
1685796	HJ02	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244, 8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:17 2019 Page 1
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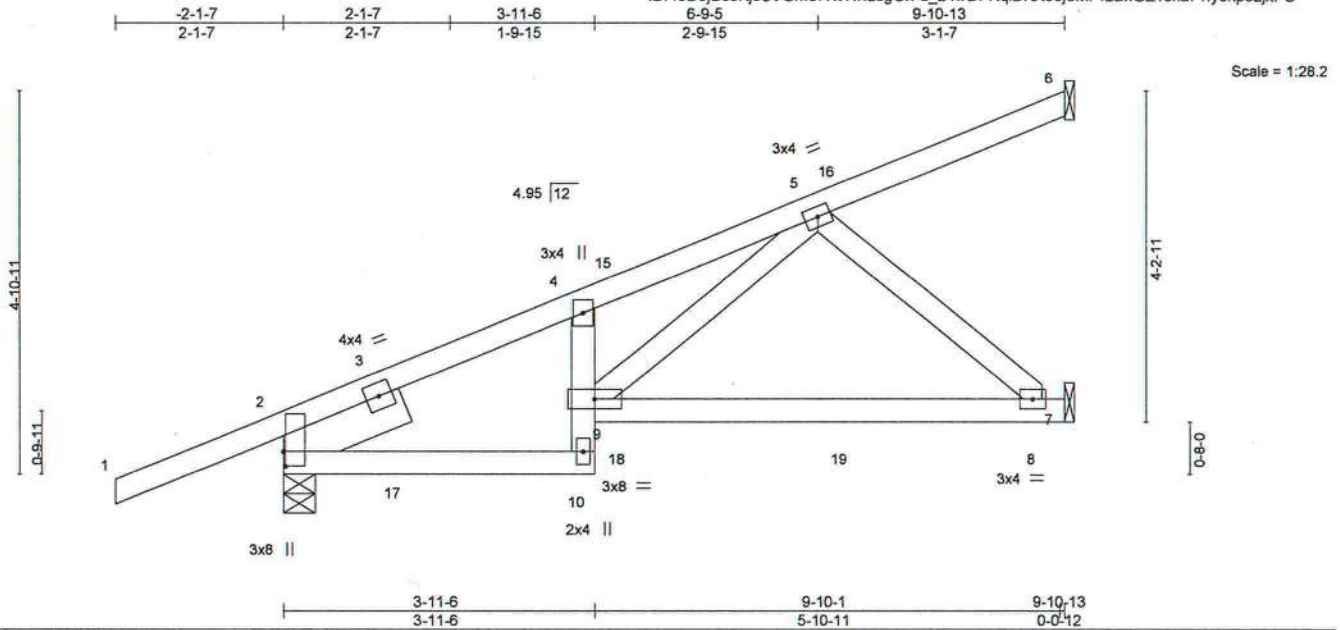


Plate Offsets (X,Y) -		[2:0-2-4,0-0-5]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.50	Vert(LL)	0.15	8-9	>768	240	MT20	244/190	
TCDL 7.0	Lumber DOL	1.25	BC 0.69	Vert(CT)	-0.21	8-9	>559	180			
BCLL 0.0	Rep Stress Incr	NO	WB 0.21	Horz(CT)	-0.03	7	n/a	n/a			
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 52 lb	FT = 20%	

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-8-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (lb/size) 6=70/Mechanical, 2=483/0-4-15, 7=367/Mechanical
Max Horz 2=234(LC 8)
Max Uplift 6=-66(LC 8), 2=-323(LC 4), 7=-286(LC 8)
Max Grav 6=70(LC 1), 2=511(LC 35), 7=415(LC 35)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-619/289, 4-5=-970/543
BOT CHORD 2-10=-397/501, 8-9=-288/355
WEBS 5-9=-408/627, 5-8=-484/393

- 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; end vertical left 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 100 lb uplift at joint(s) 6 except (jt=lb) 2=323, 7=286.
 - 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 81 lb down and 118 lb up at 1-5-12, 81 lb down and 118 lb up at 1-5-12, 98 lb down and 48 lb up at 4-3-11, 98 lb down and 48 lb up at 4-3-11, and 137 lb down and 93 lb up at 7-1-10, and 137 lb down and 93 lb up at 7-1-10 on top chord, and 11 lb down and 42 lb up at 1-5-12, 11 lb down and 42 lb up at 1-5-12, 58 lb down and 17 lb up at 4-3-11, 58 lb down and 17 lb up at 4-3-11, and 56 lb down and 50 lb up at 7-1-10, and 56 lb down and 50 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: 1-6=-54, 10-11=-20, 7-9=-20



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

February 18,2019

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288482
1685796	HJ02	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:17 2019 Page 2
ID:45DojBcKj3SVGme7Nt1wfcgOx-d_z4wDFRqiDKX63j3MPfLBxGZ1sfia71fy6kp6zjxFO

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=60(F=30, B=30) 16=-47(F=-23, B=-23) 18=-24(F=-12, B=-12) 19=-68(F=-34, B=-34)

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288483
1685796	HJ03	Diagonal Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:18 2019 Page 1
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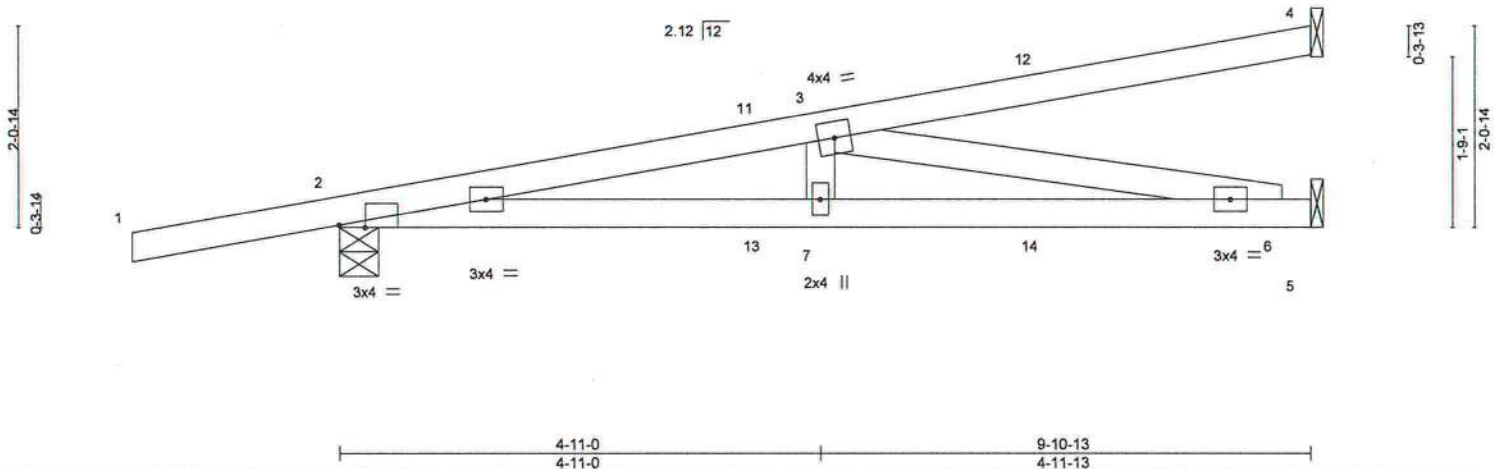


Plate Offsets (X,Y)-- [2:0-3-4,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	0.14	6-7	>850	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.68	Vert(CT)	-0.14	6-7	>853	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.64	Horz(CT)	0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 41 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 4-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-13 oc bracing.

REACTIONS. (lb/size) 4=142/Mechanical, 2=535/0-4-15, 5=312/Mechanical
Max Horz 2=109(LC 4)
Max Uplift 4=-116(LC 4), 2=-386(LC 4), 5=-220(LC 8)

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

TOP CHORD 2-3=-1356/979
BOT CHORD 2-7=-1023/1329, 6-7=-1023/1329
WEBS 3-7=-127/264, 3-6=-1353/1041

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 100 lb uplift at joint(s) except (jt=lb) 4=116, 2=386, 5=220.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 26 lb down and 38 lb up at 4-3-11, 26 lb down and 38 lb up at 4-3-11, and 48 lb down and 89 lb up at 7-1-10, and 48 lb down and 89 lb up at 7-1-10 on top chord, and 16 lb down and 36 lb up at 4-3-11, 16 lb down and 36 lb up at 4-3-11, and 34 lb down and 67 lb up at 7-1-10, and 34 lb down and 67 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: 11=-0(F=-0, B=-0) 12=-67(F=-34, B=-34) 13=-14(F=-7, B=-7) 14=-64(F=-32, B=-32)



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Date:

February 18, 2019

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The diagram illustrates a roof truss system with the following components and dimensions:

- Members:**
 - Member 1: Left roof slope.
 - Member 2: Vertical support member.
 - Member 3: Right roof slope.
 - Member 4: Horizontal bottom chord.
 - Member 5: Right vertical support member.
 - Member 6: Left vertical support member.
 - Member 7: Diagonal bracing member.
 - Member 8: Top horizontal chord.
 - Member 9: Diagonal bracing member.
 - Member 10: Horizontal bottom chord.
- Supports:**
 - Support 3: Pin support at the right end of the top chord.
 - Support 4: Roller support at the right end of the bottom chord.
 - Support 5: Roller support at the right end of the bottom chord.
 - Support 6: Pin support at the left end of the bottom chord.
- Dimensions:**
 - Vertical dimensions on the left: 6'-4.11" (total height) and 3'-5.11" (height to the peak).
 - Horizontal dimensions at the bottom: 7'-0.14" (total width) and 7'-0.14" (width to the right support).
 - Vertical dimensions on the right: 5'-10.2" (height to the peak) and 6'-4.11" (total height).
 - Horizontal dimensions at the top: 4.95' (width to the peak) and 12' (total width).
 - Horizontal dimensions at the bottom right: 9' (width to the right support) and 10' (width to the right support).
- Labels:**
 - 5x12 = 7 (Label for member 7)
 - 4x4 || (Label for member 6)
 - 3x4 = (Label for member 4)
 - 0.6.9 (Label for member 9)

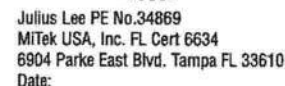
LUMBER-		BRACING-	
TOP CHORD	2x6 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	2x4 SP M 31		
WEBS	2x6 SP No.2 "Except"	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
	2-5: 2x4 SP No.3		

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

TOP CHORD	2-6=-446/366
BOT CHORD	5-6=-321/129
WEBS	2-5=-143/357

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (ji=lb) 6=827, 3=167, 4=312.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 168 lb down and 285 lb up at 1-5-12, 168 lb down and 285 lb up at 1-5-12, and 144 lb down and 78 lb up at 4-3-11, and 144 lb down and 78 lb up at 4-3-11 on top chord, and 200 lb down and 235 lb up at 1-5-12, 200 lb down and 235 lb up at 1-5-12, and 78 lb down and 98 lb up at 4-3-11, and 78 lb down and 98 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.

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=54, 2-3=54, 4-6=20



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Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288484
1685796	HJ04	DIAGONAL HIP GIRDER	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:19 2019 Page 2
ID:45DojBc6Kj3SVGme7Nt1wfzcgOx-ZN4rLvGhMKT1mQD6AnS8Qc0b8qdHAVgK6Gbqu?zjxFM

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 7=147(F=74, B=74) 9=75(F=37, B=37) 10=27(F=14, B=14)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288485
1685796	T01	Hip Girder	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:21 2019 Page 1
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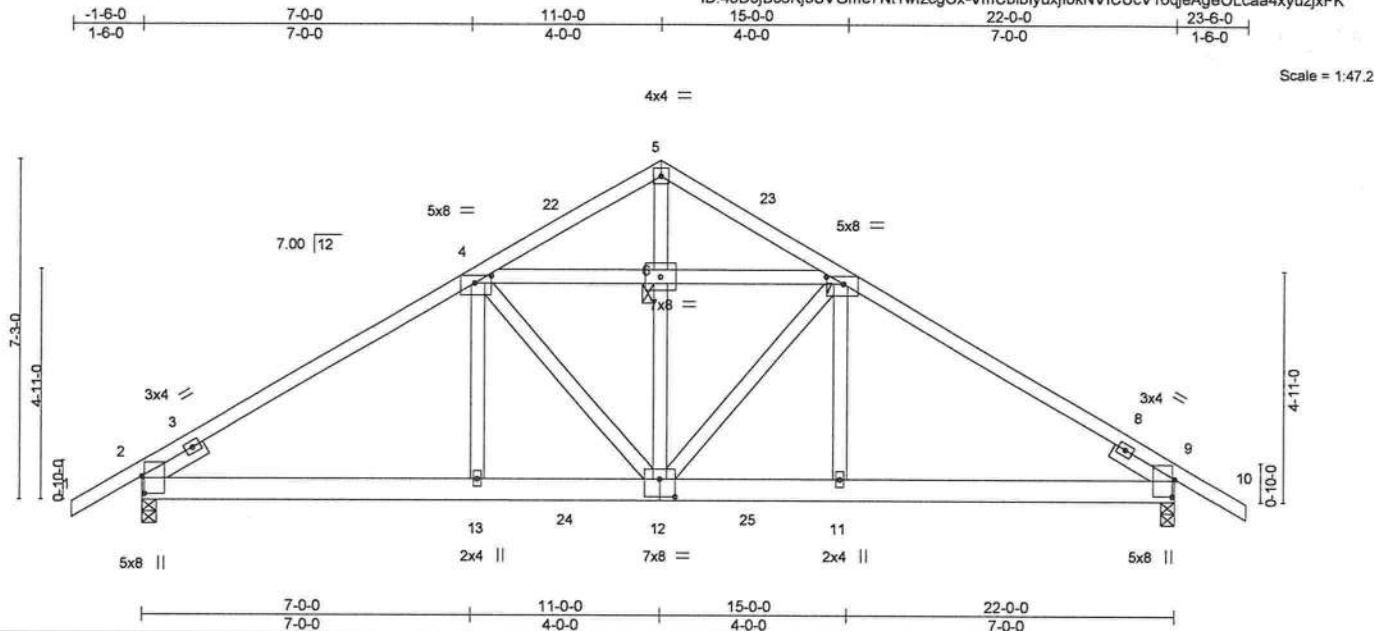


Plate Offsets (X, Y)--							
[2:0-4-7,0-0-9], [4:0-4-5,0-1-15], [7:0-4-5,0-1-15], [9:0-4-7,0-0-9], [12:0-4-0,0-4-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 1.00	Vert(LL)	0.11	11-12	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.87	Vert(CT)	-0.13	11-12	GRIP
BCDL 0.0 *	Rep Stress Incr	NO	WB 0.20	Horz(CT)	0.05	9	244/190
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS				
							Weight: 149 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 6-10-3 oc bracing.
JOINTS 1 Brace at Jt(s): 6

REACTIONS. (lb/size) 2=1632/0-3-8, 9=1632/0-3-8
Max Horz 2=-227(LC 6)
Max Uplift 2=-896(LC 8), 9=-896(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2381/1346, 4-5=-968/505, 4-6=-1178/801, 6-7=-1178/800, 5-7=-968/505,
7-9=-2381/1347
BOT CHORD 2-13=-1148/2077, 12-13=-1141/2068, 11-12=-1053/1970, 9-11=-1058/1977
WEBS 4-13=-259/469, 6-12=-377/443, 7-11=-260/469, 5-6=-419/531

- NOTES-** (10)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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
 - Provide adequate drainage to prevent ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=896, 9=896.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 285 lb down and 245 lb up at 7-3-1, 159 lb down and 53 lb up at 9-0-12, 139 lb down and 37 lb up at 11-0-0, and 159 lb down and 53 lb up at 12-11-4, and 285 lb down and 245 lb up at 14-8-15 on top chord, and 372 lb down and 351 lb up at 7-0-0, 117 lb down and 113 lb up at 9-0-12, 117 lb down and 113 lb up at 11-0-0, and 117 lb down and 113 lb up at 12-11-4, and 372 lb down and 351 lb up at 14-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 7-10=-54, 14-18=-20



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

February 18, 2019

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288485
1685796	T01	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:21 2019 Page 2
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-VmCbllyuxjl0kNVICUcV16qjeAgeOLcaa4xyuzjxFK

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 5=-119(F) 4=-188(F) 13=-299(F) 12=-48(F) 7=-188(F) 11=-299(F) 22=-119(F) 23=-119(F) 24=-48(F) 25=-48(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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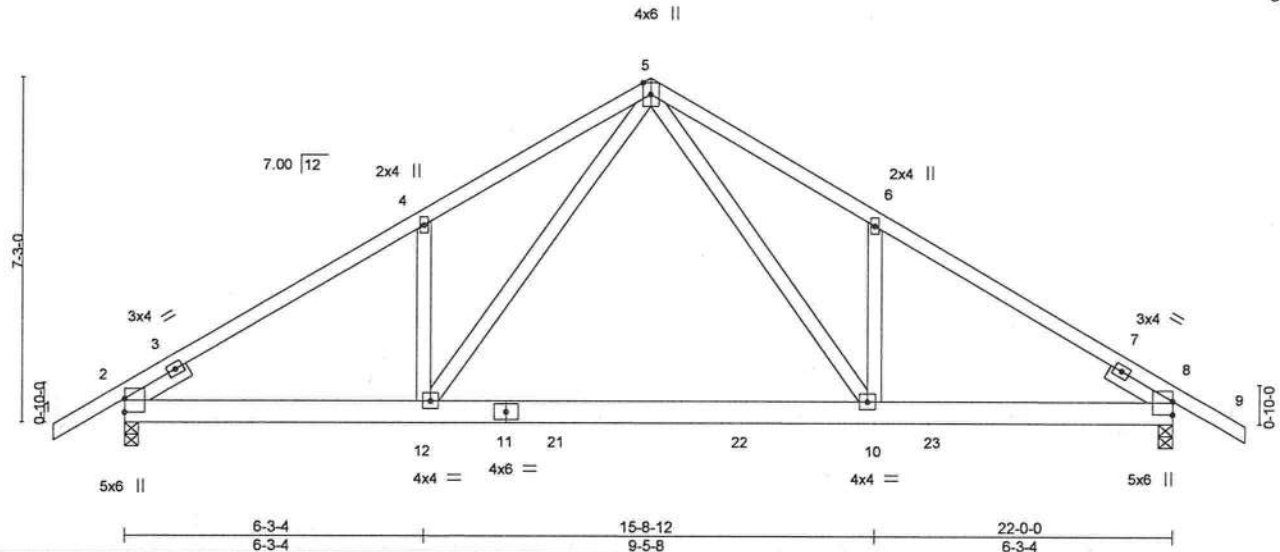
Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288486
1685796	T02	Common	4	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:22 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfcgOx-zymzzxJaffrcdyhrv?r2Ee2w2VINKmmoEqVVKzjxFJ



Scale = 1:46.6



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.20 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.91	Vert(CT)	-0.40 10-12	>665	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.70	Horz(CT)	0.04 8	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 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-4-14 oc bracing.

REACTIONS.

(lb/size) 2=1198/0-3-8, 8=1234/0-3-8
Max Horz 2=-227(LC 10)
Max Uplift 2=-488(LC 12), 8=-505(LC 13)
Max Grav 2=1212(LC 19), 8=1250(LC 20)

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

TOP CHORD 2-4=-1799/748, 4-5=-1833/906, 5-6=-1886/929, 6-8=-1857/771
BOT CHORD 2-12=-589/1627, 10-12=-305/1056, 8-10=-524/1532
WEBS 5-10=-538/1093, 6-10=-308/301, 5-12=-500/1006, 4-12=-308/301

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for the live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=488, 8=505.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 12-13=-20, 12-23=-80(F=-60), 17-23=-20



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Date:

February 18, 2019

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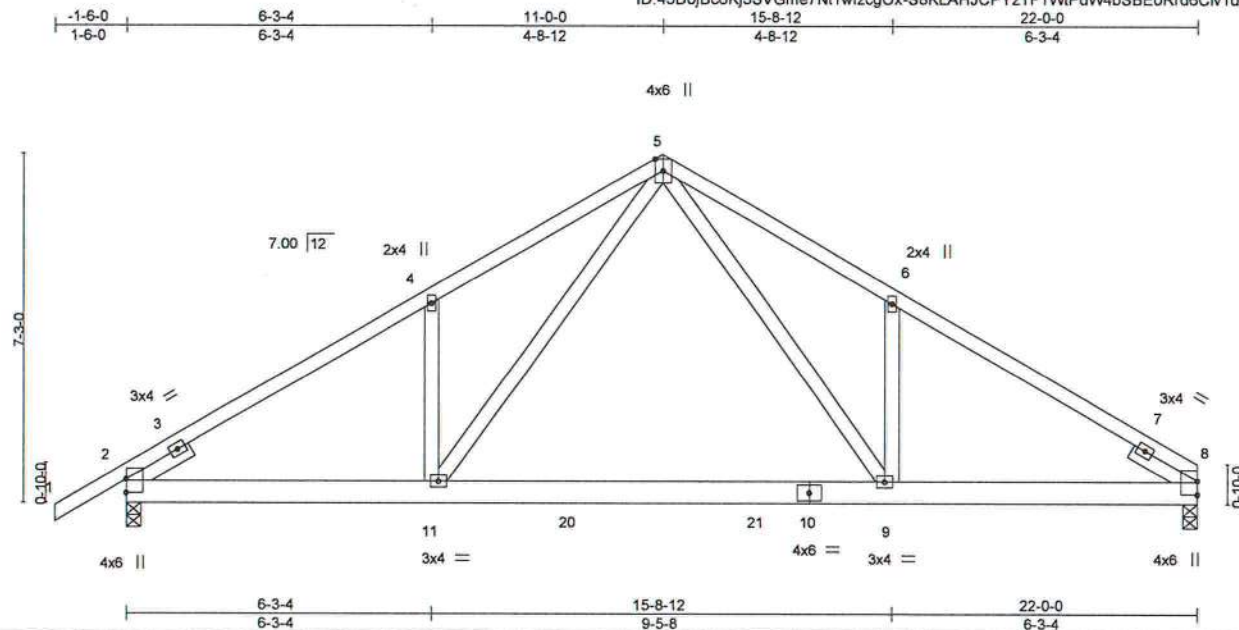
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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288487
1685796	T03	Common	3	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:23 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfzcgOx-S8KLAHJCPYzTF1WpPdW4bSBE0Rd6Civ1uZ21mzjxFI



Scale = 1:45.8

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.75	Vert(LL)	-0.20	9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.91	Vert(CT)	-0.39	9-11	>673	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.59	Horz(CT)	0.03	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS							
									Weight: 132 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0, Right 2x4 SP No.3 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-10-10 oc bracing.

REACTIONS.

(lb/size) 8=1095/0-3-8, 2=1182/0-3-8
Max Horz 2=175(LC 11)
Max Uplift 8=241(LC 13), 2=270(LC 12)
Max Grav 8=1103(LC 20), 2=1182(LC 19)

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

TOP CHORD 2-4=-1758/738, 4-5=-1805/897, 5-6=-1801/904, 6-8=-1769/745
BOT CHORD 2-11=-530/1552, 9-11=-278/994, 8-9=-536/1443
WEBS 5-9=-455/998, 6-9=-308/277, 5-11=-443/982, 4-11=-309/275

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=241, 2=270.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20



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MiTek USA, Inc. FL Cert 6634
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February 18, 2019

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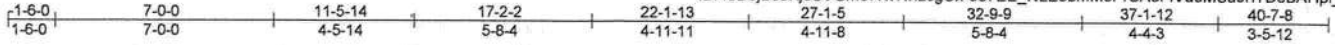
6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss T04	Truss Type Half Hip Girder	Qty 1	Ply 2	SIMQUE HOMES - CAROLINA IV Job Reference (optional)	T16288488
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Builders FirstSource, Jacksonville, FL - 32244,

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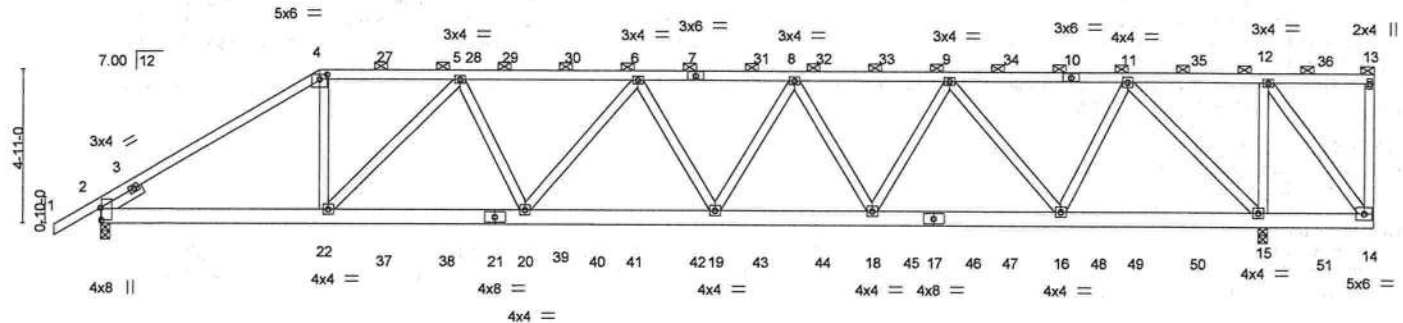


Plate Offsets (X,Y)=-	7-0-0 7-0-0	13-7-1 6-7-1	19-7-9 6-0-8	24-7-14 5-0-5	30-8-6 6-0-8	37-1-12 6-5-6	37-3-8 0-1-12	40-7-8 3-4-0
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.97	Vert(LL)	0.22 19-20	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.82	Vert(CT)	-0.34 19-20	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.64	Horz(CT)	0.09 15	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 530 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x4 SP No.3 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-0-0 max.); 4-13.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 9-11-1 oc bracing: 19-20 6-0-0 oc bracing: 14-15.

REACTIONS. (lb/size) 2=2761/0-3-8, 15=3621/0-3-8
Max Horz 2=163(LC 8)
Max Uplift 2=1176(LC 5), 15=1504(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-4367/2027, 4-5=-3726/1794, 5-6=-5531/2545, 6-8=-5838/2613, 8-9=-5166/2290, 9-11=-3176/1410, 13-14=-264/36
BOT CHORD 2-22=-1767/3671, 20-22=-2341/5137, 19-20=-2626/5912, 18-19=-2481/5647, 16-18=-1974/4561, 15-16=-955/2249
WEBS 4-22=-837/1803, 5-22=-2043/848, 5-20=-515/1055, 6-20=-616/146, 8-19=-278/452, 8-18=-995/395, 9-18=-666/1331, 9-16=-2233/910, 11-16=-1084/2288, 11-15=-3585/1524, 12-15=-774/234, 12-14=-166/400

NOTES- (10)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; 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); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1176, 15=1504.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 18, 2019

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288488
1685796	T04	Half Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:28 2019 Page 2
ID:45DojBc6Kj3SVGme7Nt1wfzcgOx-o67EE_NLE5bmMoPrCA6FIVu0MSa9nTDeBAHpi_zjxFD

NOTES- (10)

- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 188 lb down and 196 lb up at 7-0-0, 119 lb down and 28 lb up at 9-0-12, 119 lb down and 28 lb up at 11-0-12, 119 lb down and 28 lb up at 13-0-12, 119 lb down and 28 lb up at 15-0-12, 119 lb down and 28 lb up at 17-0-12, 119 lb down and 28 lb up at 19-0-12, 119 lb down and 28 lb up at 21-0-12, 119 lb down and 28 lb up at 23-0-12, 119 lb down and 28 lb up at 25-0-12, 119 lb down and 28 lb up at 27-0-12, 119 lb down and 28 lb up at 29-0-12, 119 lb down and 28 lb up at 31-0-12, 119 lb down and 28 lb up at 33-0-12, 119 lb down and 28 lb up at 35-0-12, 119 lb down and 28 lb up at 37-0-12, and 119 lb down and 28 lb up at 39-0-12, and 144 lb down and 24 lb up at 40-5-12 on top chord, and 372 lb down and 351 lb up at 7-0-0, 117 lb down and 113 lb up at 9-0-12, 117 lb down and 113 lb up at 11-0-12, 117 lb down and 113 lb up at 13-0-12, 117 lb down and 113 lb up at 15-0-12, 117 lb down and 113 lb up at 17-0-12, 117 lb down and 113 lb up at 19-0-12, 117 lb down and 113 lb up at 21-0-12, 117 lb down and 113 lb up at 23-0-12, 117 lb down and 113 lb up at 25-0-12, 117 lb down and 113 lb up at 27-0-12, 117 lb down and 113 lb up at 29-0-12, 117 lb down and 113 lb up at 31-0-12, 117 lb down and 113 lb up at 33-0-12, 117 lb down and 113 lb up at 35-0-12, and 117 lb down and 113 lb up at 39-0-12, and 120 lb down and 103 lb up at 40-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) 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, 4-13=-54, 14-23=-20

Concentrated Loads (lb)

Vert: 4=-188(F) 7=-119(F) 13=-144(F) 14=-58(F) 22=-299(F) 6=-119(F) 9=-119(F) 11=-119(F) 12=-119(F) 10=-119(F) 27=-119(F) 28=-119(F) 29=-119(F) 30=-119(F) 31=-119(F) 32=-119(F) 33=-119(F) 34=-119(F) 35=-119(F) 36=-119(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-48(F) 41=-48(F) 42=-48(F) 43=-48(F) 44=-48(F) 45=-48(F) 46=-48(F) 47=-48(F) 48=-48(F) 49=-48(F) 50=-48(F) 51=-48(F)

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6904 Parke East Blvd.
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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288489
1685796	T05	Half Hip	1	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:29 2019 Page 1

ID:45DojBc6Kj3SVGme7Nt1wfzcgOx-GlhdRKOz?Okdzy_1mtdUqjRB4svtWtaoPqQMEQzjxFC

1-6-0	4-7-5	9-0-0	14-10-6	20-10-7	25-5-2	31-5-2	37-3-8	40-7-8
1-6-0	4-7-5	4-4-12	5-10-6	6-0-1	4-6-11	5-11-15	5-10-6	3-4-0

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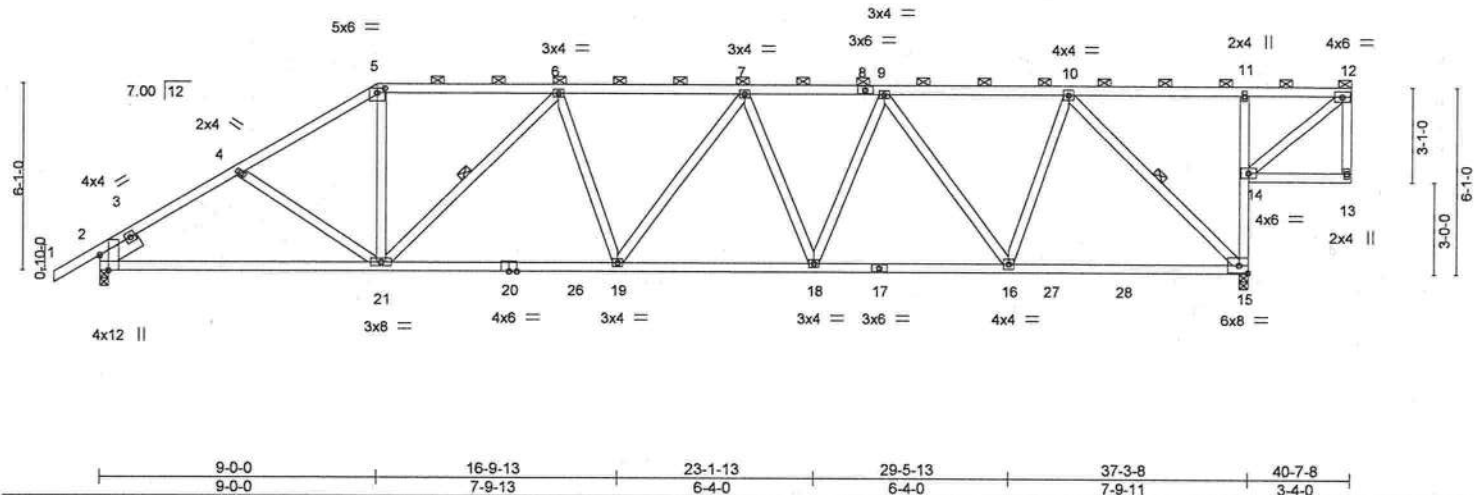


Plate Offsets (X,Y)-- [2-0-5-15,Edge], [5-0-3-0,0-1-12]															
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		in (loc)		I/defl L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.97		Vert(LL)		-0.20 19-21		>999 240		MT20		244/190	
TCDL 7.0		Lumber DOL 1.25		BC 0.85		Vert(CT)		-0.36 19-21		>999 180					
BCLL 0.0 *		Rep Stress Incr YES		WB 0.82		Horz(CT)		0.11 15		n/a n/a					
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS											
Weight: 242 lb														FT = 20%	

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
11-15: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-12 max.): 5-12.
BOT CHORD Rigid ceiling directly applied or 5-7-5 oc bracing.
WEBS 1 Row at midpt 6-21, 10-15

REACTIONS. (lb/size) 2=1446/0-3-8, 15=1630/0-3-8
Max Horz 2=202(LC 12)
Max Uplift 2=281(LC 9), 15=429(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2044/951, 4-5=-1908/909, 5-6=-1633/848, 6-7=-2152/1074, 7-9=-2025/1000, 9-10=-1390/670
BOT CHORD 2-21=-960/1671, 19-21=-1083/2107, 18-19=-1080/2139, 16-18=-936/1868, 15-16=-559/1108, 14-15=-407/234, 11-14=-286/209
WEBS 5-21=-252/653, 6-21=-674/336, 7-18=-312/216, 9-18=-177/429, 9-16=-833/463, 10-16=-352/889, 10-15=-1629/820

- NOTES-** (7)
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) 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) Provide adequate drainage to prevent water ponding.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=281, 15=429.
6) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
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.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:

February 18,2019

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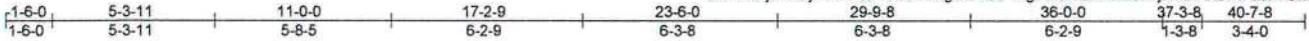
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288490
1685796	T06	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:30 2019 Page 1

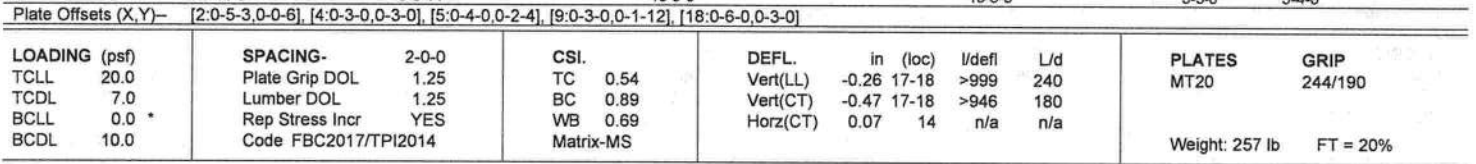
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8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:32 2019 Page 1
ID:45D0jBc5Kj3SVGme7Nt1wfcgOx-hTnI3MQRlJ6BqQicR0BBSL3pA4w0JfJE5oF0rlzxF9

1-6.0 6-11.6 13-0.0 20-0.0 27-0.0 34-0.0 37-3.8 40-7.8
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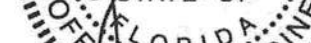


REACTIONS. (lb/size) 2=1446/0-3-8, 14=1630/0-3-8
Max Horz 2=200(LC 9)
Max Uplift 2=-275(LC 12), 14=-268(LC 8)
Max Grav 2=1447(LC 23), 14=1630(LC 1)

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

TOP CHORD	2-4=-2053/927, 4-5=-1737/873, 5-6=-1454/824, 6-8=-1528/804, 8-9=-516/356
BOT CHORD	2-19=-855/1683, 18-19=-856/1682, 17-18=-722/1593, 15-17=-566/1279, 14-15=-174/495, 13-14=-375/227, 10-13=-282/206
WEBS	4-18=-465/267, 5-18=-201/565, 6-18=-310/202, 6-17=-289/233, 8-17=-160/628, 8-15=-1184/596, 9-15=-411/1176, 9-14=-1503/573

- 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=275, 14=268.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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: February 18, 2019

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288492
1685796	T08	Roof Special	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:33 2019 Page 1
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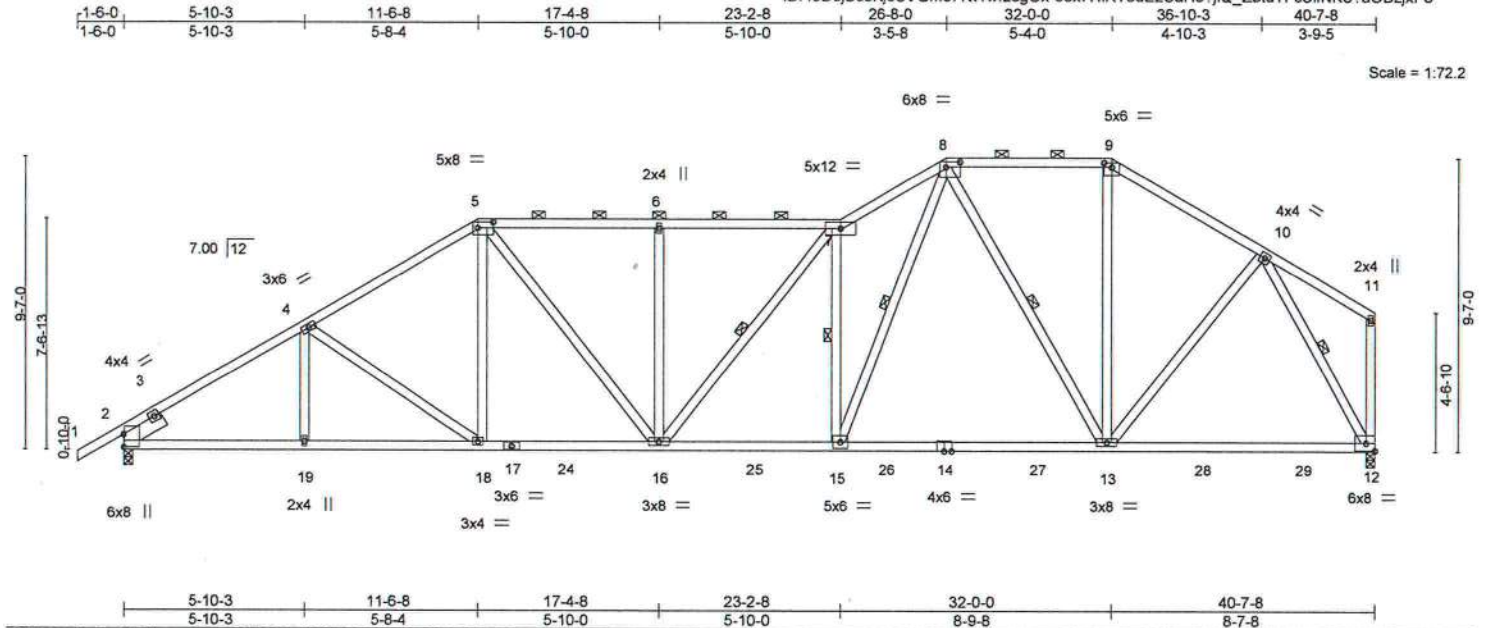


Plate Offsets (X,Y)-- [2:0-4-15,0-0-2], [5:0-6-0,0-2-4], [8:0-5-8,0-2-0], [9:0-3-0,0-1-12]										
LOADING (psf)		SPACING- 2-0-0		CSI.	DEFL. in (loc)		l/defl	L/d	PLATES GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.99	Vert(LL)	-0.27 13-15	>999	240	MT20 244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.93	Vert(CT)	-0.46 13-15	>999	180	
BCLL	0.0 *	Rep Stress Incr YES		WB	0.69	Horz(CT)	0.09 12	n/a	n/a	
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						
										Weight: 277 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-17: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-7-13 max.): 5-7, 8-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 7-16, 7-15, 8-15, 8-13, 10-12

REACTIONS. (lb/size) 2=1580/0-3-8, 12=1496/0-3-8
Max Horz 2=229(LC 9)
Max Uplift 2=375(LC 12), 12=269(LC 12)
Max Grav 2=1580(LC 1), 12=1549(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-2272/1024, 4-5=-2062/1003, 5-6=-2094/1092, 6-7=-2094/1092, 7-8=-2542/1311, 8-9=-1169/675, 9-10=-1403/717
BOT CHORD 2-19=-956/1897, 18-19=-956/1897, 16-18=-794/1732, 15-16=-929/2139, 13-15=-632/1515, 12-13=-352/775
WEBS 4-18=-350/196, 5-18=-89/368, 5-16=-259/580, 6-16=-356/271, 7-15=-1445/854, 8-15=-869/1803, 8-13=-762/380, 9-13=-158/471, 10-13=-147/643, 10-12=-1548/727

- NOTES-** (8)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=375, 12=269.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:

February 18, 2019

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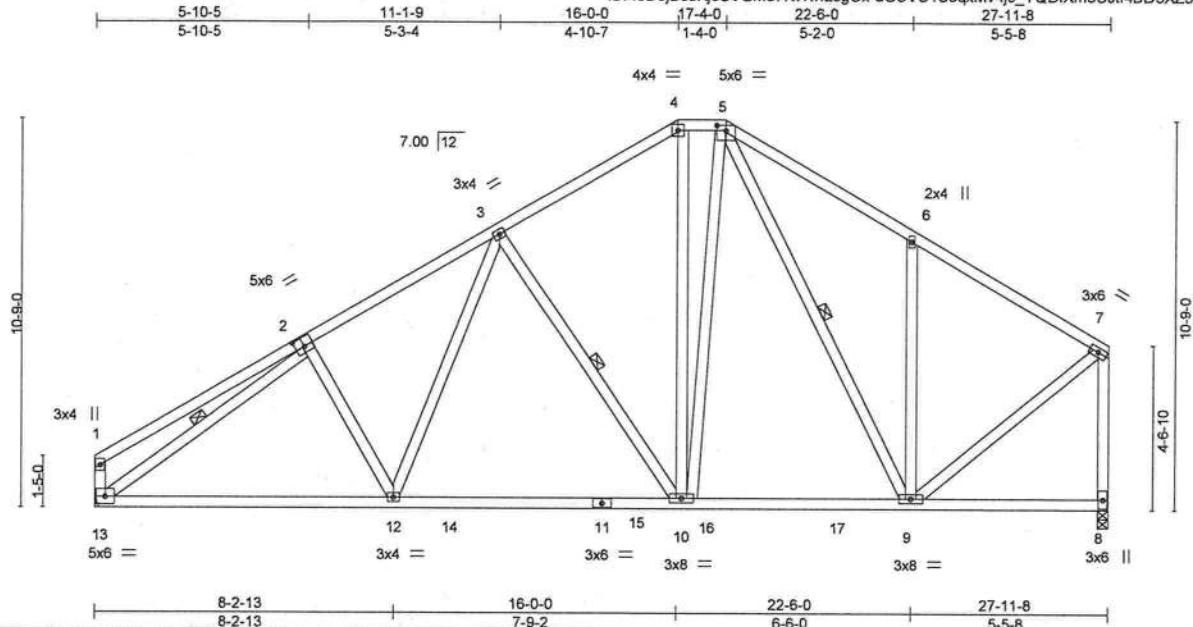
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288493
1685796	T09	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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ID:45DojBc6Kj3SVGme7Nt1wfcgOx-dGUVU1S6qxMv4js_YQDfXm8CJtf4BD5XZ5k7wdzjxF7



Scale = 1:61.3

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.37	Vert(LL)	-0.13 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.66	Vert(CT)	-0.21 10-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.03 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 207 lb	FT = 20%

LUMBER-

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

REACTIONS.

(lb/size) 13=1024/Mechanical, 8=1024/0-3-8
Max Horz 13=227(LC 9)
Max Uplift 13=-207(LC 12), 8=-189(LC 13)
Max Grav 13=1058(LC 19), 8=1024(LC 1)

FORCES.

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

TOP CHORD 2-3=-1314/620, 3-4=-907/522, 4-5=-817/502, 5-6=-909/561, 6-7=-790/375,
7-8=-981/464

BOT CHORD 12-13=-547/1234, 10-12=-400/1050, 9-10=-210/726

WEBS 3-12=-129/357, 3-10=-523/331, 4-10=-153/331, 5-10=-127/433, 6-9=-398/325,
2-13=-1233/452, 7-9=-314/824

NOTES-

- Unbalanced roof live loads have been considered for this design.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=207, 8=189.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 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	SIMQUE HOMES - CAROLINA IV	T16288494
1685796	T10	Roof Special	2	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:35 2019 Page 1
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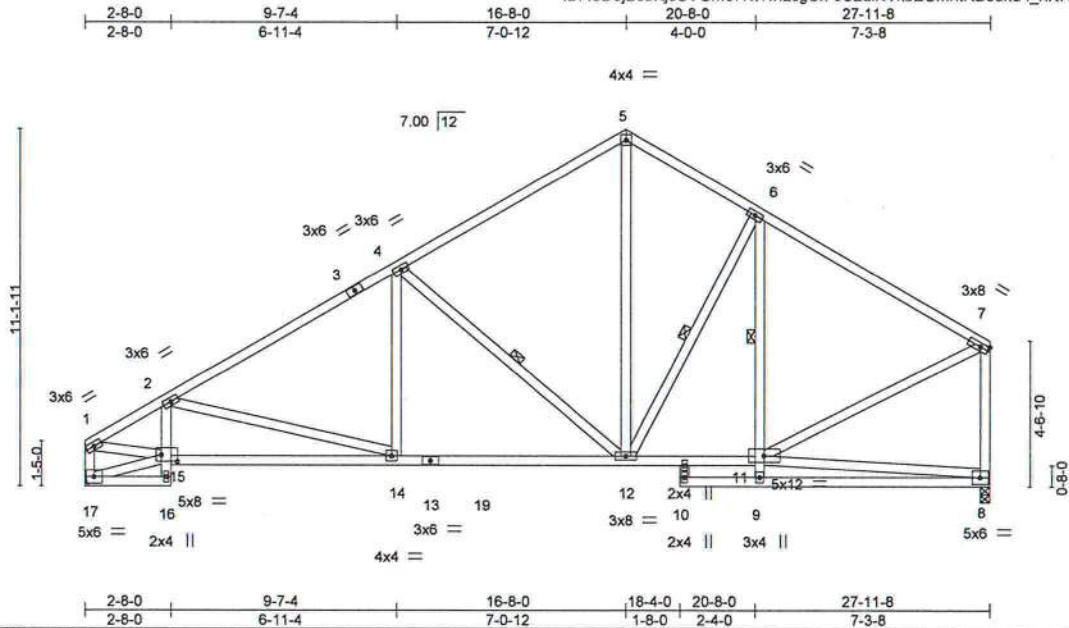


Plate Offsets (X,Y) = [15:0-6-0,0-2-8]

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 0.55	Vert(LL)	-0.08 14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.17 14-15	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.68	Horz(CT)	0.06 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 204 lb	FT = 20%

LUMBER-

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

REACTIONS. (lb/size) 8=1058/0-3-8, 17=1038/Mechanical
Max Horz 17=236(LC 9)
Max Uplift 8=182(LC 13), 17=204(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1499/651, 2-4=-1407/608, 4-5=-964/502, 5-6=-989/539, 6-7=-969/434,
1-17=-1026/445, 7-8=-996/461
BOT CHORD 14-15=-744/1523, 12-14=-504/1266, 11-12=-269/756, 9-11=0/259
WEBS 2-14=-315/248, 4-14=-12/333, 4-12=-686/394, 5-12=-340/717, 1-15=-556/1288,
7-11=-290/827

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide
will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
8=182, 17=204.
- 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.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:

February 18, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not
a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall
building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing
is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the
fabrication, storage, delivery, erection and bracing of trusses and truss systems, see
Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288495
1685796	T11	Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:39 2019 Page 1
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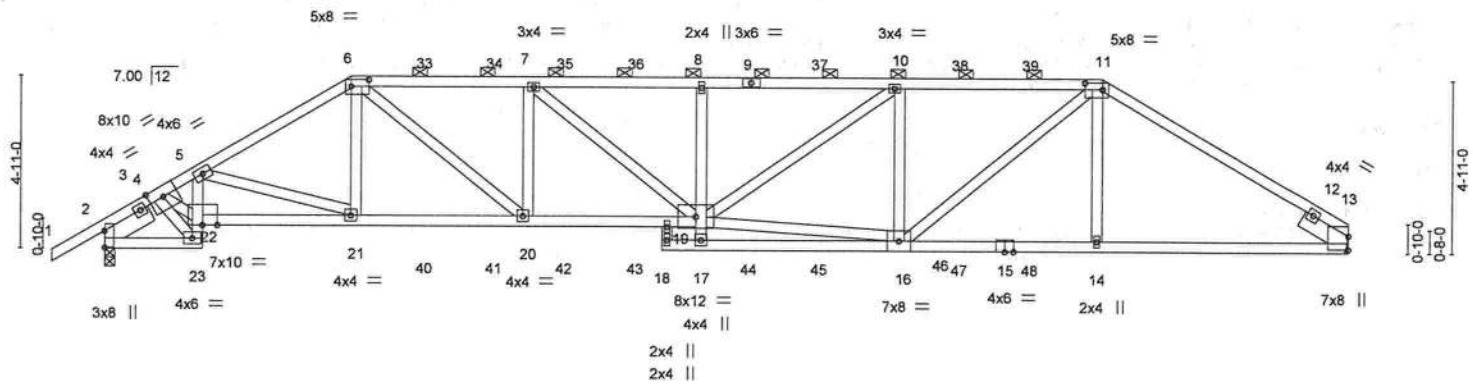


Plate Offsets (X,Y)-	[2:0-5-11,0-0-2], [6:0-6-0,0-2-4], [11:0-6-0,0-2-4]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.81	Vert(LL)	0.33	18	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.95	Vert(CT)	-0.50	18	>852		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.86	Horz(CT)	0.21	13	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 418 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
11-13: 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except*
8-17: 2x4 SP No.3, 15-18,13-15: 2x4 SP M 31
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-0-13 oc purlins, except
2-0-0 oc purlins (4-4-1 max.): 6-11.
BOT CHORD Rigid ceiling directly applied or 7-7-5 oc bracing. Except:
10-0-0 oc bracing: 17-19

REACTIONS. (lb/size) 13=2641/Mechanical, 2=2736/0-3-8
Max Horz 2=117(LC 5)
Max Uplift 13=1171(LC 9), 2=1194(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-3473/1568, 4-5=-5151/2359, 5-6=-4980/2354, 6-7=-5995/2777, 7-8=-6617/3008,
8-10=-6549/2970, 10-11=-5267/2440, 11-13=-4285/2004
BOT CHORD 2-23=-1212/2502, 22-23=-951/1993, 21-22=-2293/4839, 20-21=-2075/4287,
19-20=-2782/5995, 17-19=-103/290, 8-19=-551/144, 16-17=-469/872, 14-16=-1642/3582,
13-14=-1634/3573
WEBS 4-23=-2556/1238, 4-22=-2012/4258, 5-21=-658/297, 6-21=-438/863, 6-20=-967/2209,
7-20=-924/484, 7-19=-355/827, 16-19=-1967/4501, 10-19=-675/1525, 10-16=-1646/561,
11-16=-996/2237, 11-14=-285/501

NOTES- (12)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- 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); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
13=1171, 2=1194.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

February 18,2019

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288495
1685796	T11	Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:40 2019 Page 2
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-SPsnt5XsPn63ofK8vhK3n1O7vleubqjPx1BS7HzjxF1

NOTES- (12)

- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 119 lb down and 155 lb up at 7-0-0, 94 lb down and 77 lb up at 9-0-12, 94 lb down and 77 lb up at 11-0-12, 94 lb down and 77 lb up at 13-0-12, 94 lb down and 77 lb up at 15-0-12, 119 lb down and 28 lb up at 17-0-12, 119 lb down and 28 lb up at 18-3-4, 119 lb down and 28 lb up at 20-3-4, 119 lb down and 28 lb up at 22-3-4, 119 lb down and 28 lb up at 24-3-4, and 119 lb down and 28 lb up at 26-3-4, and 235 lb down and 196 lb up at 28-4-0 on top chord, and 479 lb down and 377 lb up at 7-0-0, 122 lb down and 63 lb up at 9-0-12, 122 lb down and 63 lb up at 11-0-12, 122 lb down and 63 lb up at 13-0-12, 122 lb down and 63 lb up at 15-0-12, 117 lb down and 113 lb up at 16-11-4, 117 lb down and 113 lb up at 18-3-4, 117 lb down and 113 lb up at 20-3-4, 117 lb down and 113 lb up at 22-3-4, 117 lb down and 113 lb up at 24-3-4, and 117 lb down and 113 lb up at 26-3-4, and 372 lb down and 351 lb up at 28-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 12) 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: 1-6=-54, 6-11=-54, 11-13=-54, 23-29=-20, 19-22=-20, 17-18=-20, 17-25=-20

Concentrated Loads (lb)

Vert: 6=-53(B) 9=-119(B) 11=-188(B) 19=-48(B) 8=-119(B) 21=-454(B) 10=-119(B) 14=-299(B) 33=-52(B) 34=-52(B) 35=-52(B) 36=-52(B) 37=-119(B) 38=-119(B) 39=-119(B) 40=-115(B) 41=-115(B) 42=-115(B) 43=-115(B) 44=-48(B) 45=-48(B) 46=-48(B) 47=-48(B) 48=-48(B)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

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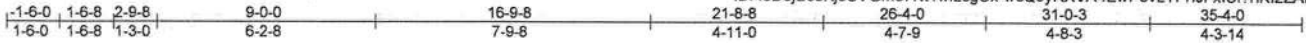
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288496
1685796	T12	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:41 2019 Page 1

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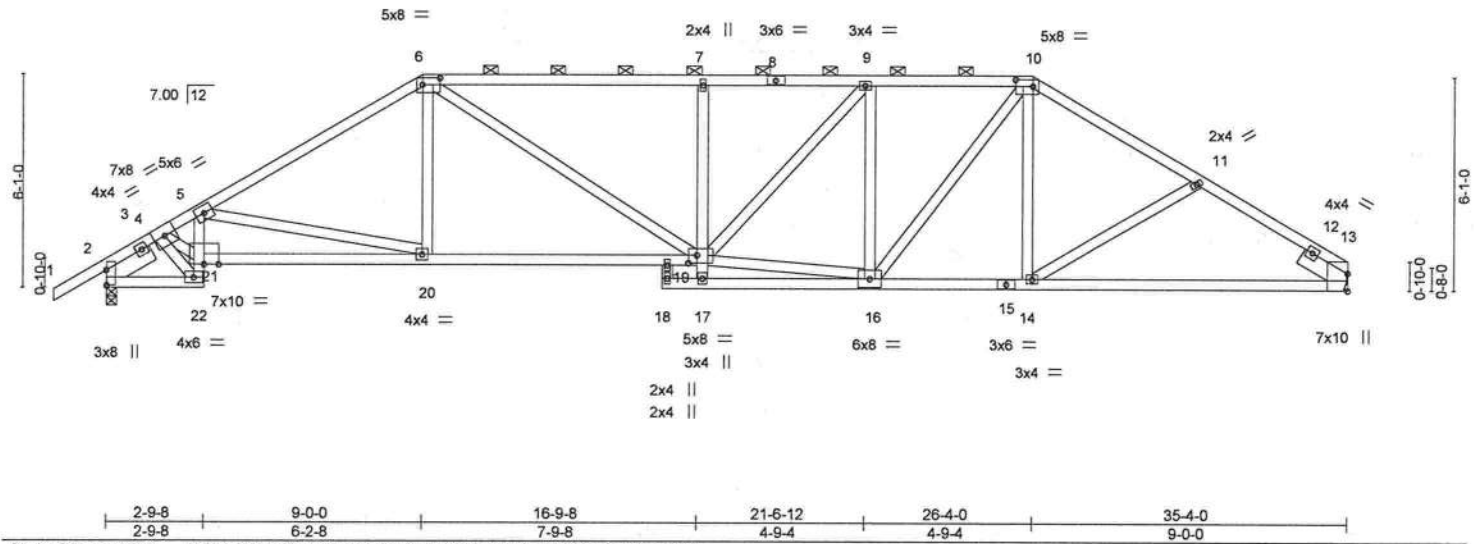


Plate Offsets (X,Y) -		[2-0-5-3,0-0-2], [6-0-6-0,0-2-4], [10-0-6-0,0-2-4], [19-0-2-12,0-2-12]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL 20.0	Plate Grip DOL	1.25	TC 0.82	Vert(LL)	-0.17 18	>999	240	MT20	244/190		
TCDL 7.0	Lumber DOL	1.25	BC 0.85	Vert(CT)	-0.36 19-20	>999	180				
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.17 13	n/a	n/a				
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS								
										Weight: 217 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2 *Except* 6-8: 2x4 SP M 31	TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (3-10-0 max.): 6-10.
BOT CHORD	2x4 SP No.2 *Except* 7-17: 2x4 SP No.3	BOT CHORD	Rigid ceiling directly applied or 5-7-13 oc bracing. Except: 10-0-0 oc bracing: 17-19
WEBS	2x4 SP No.3		
SLIDER	Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0		

REACTIONS. (lb/size) 13=1316/Mechanical, 2=1402/0-3-8
Max Horz 2=146(LC 9)
Max Uplift 13=213(LC 13), 2=240(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1657/756, 4-5=-2480/1126, 5-6=-2137/974, 6-7=-2340/1184, 7-9=-2310/1169,
9-10=-1918/1004, 10-11=-1834/886, 11-13=-1978/940
BOT CHORD 2-22=-509/1190, 21-22=-357/949, 20-21=-1099/2416, 19-20=-669/1776, 7-19=-400/299,
14-16=-582/1549, 13-14=-715/1624
WEBS 4-22=-1195/461, 4-21=-888/2069, 5-20=-783/440, 6-20=-46/424, 6-19=-326/768,
16-19=-658/1723, 9-19=-233/591, 9-16=-664/339, 10-16=-292/662, 10-14=-25/274

- NOTES-** (9)
- Unbalanced roof live loads have been considered for this design.
 - 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
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=213, 2=240.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 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:

February 18, 2019

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6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss T13	Truss Type Hip	Qty 1	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288497
Builders FirstSource, Jacksonville, FL - 32244,						8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:42 2019 Page 1
Job Reference (optional)						ID:45D0jBc6Kj3SVGme7Nt1wfzcgOx-OozXAnY7xOMn1yTX06MXsSTSq6KU3JiPLgYCAzjxF?

1-6-0	1-6-8	2-9-8	6-7-6	11-0-0	16-9-8	24-4-0	29-8-4	35-4-0
1-6-0	1-6-8	1-3-0	3-9-14	4-4-10	5-9-8	7-6-8	5-4-4	5-7-12

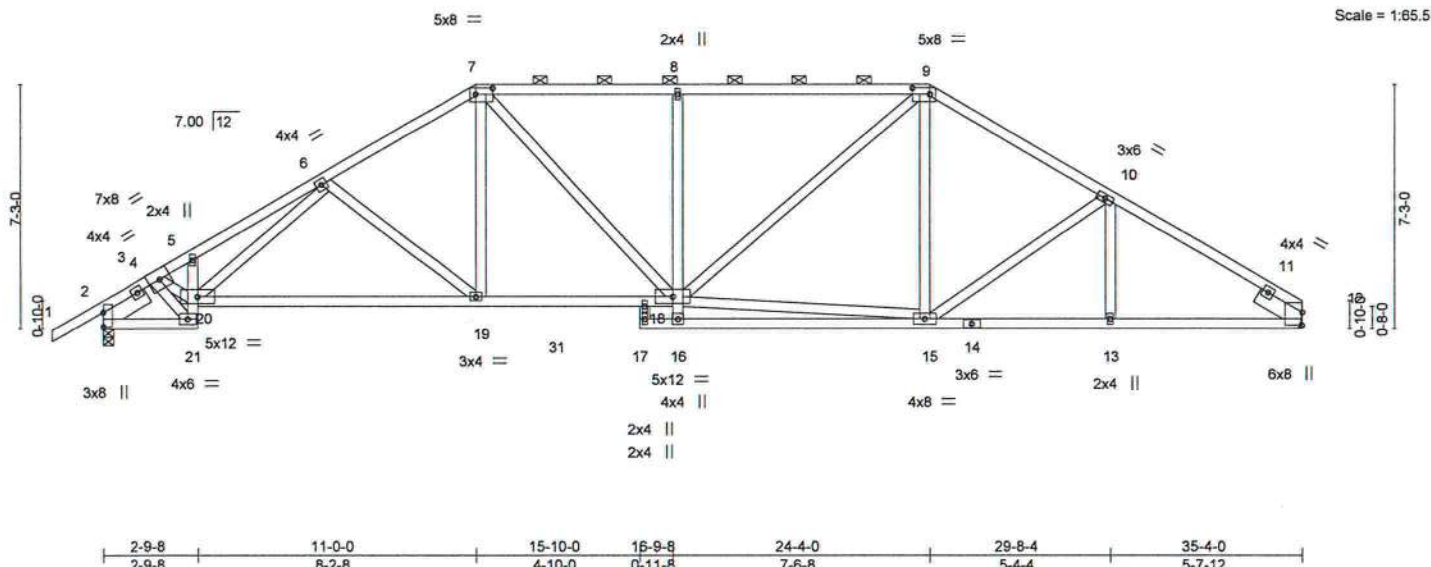


Plate Offsets (X,Y)-- [2:0-5-3,0-0-2], [7:0-6-0,0-2-4], [9:0-6-0,0-2-4], [12:0-4-11,0-0-2]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.78	Vert(LL)	-0.18 19-20	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.94	Vert(CT)	-0.40 19-20	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.79	Horz(CT)	0.15 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 224 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
 BOT CHORD 2x4 SP No.2 *Except*
 5-21,8-16: 2x4 SP No.3, 14-17,12-14: 2x4 SP M 31
 WEBS 2x4 SP No.3
 SLIDER Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins, except 2-0-0 oc purlins (3-1-9 max.): 7-9.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except: 10-0-0 oc bracing: 16-18

REACTIONS.

(lb/size) 12=1316/Mechanical, 2=1402/0-3-8
 Max Horz 2=175(LC 9)
 Max Uplift 12=228(LC 13), 2=256(LC 12)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-4=-1680/759, 4-5=-2439/1072, 5-6=-2681/1234, 6-7=-1935/931, 7-8=-1894/998, 8-9=-1890/999, 9-10=-1766/868, 10-12=-1976/897
 BOT CHORD 2-21=-518/1207, 20-21=-386/1031, 5-20=-284/202, 19-20=-785/1908, 18-19=-558/1620, 8-18=-417/314, 15-16=-44/295, 13-15=-675/1631, 12-13=-675/1631
 WEBS 4-21=-1307/504, 4-20=-821/2067, 6-20=-220/593, 6-19=-450/293, 7-19=-137/496, 7-18=-212/498, 15-18=-472/1206, 9-18=-248/638, 9-15=-47/288, 10-15=-327/197

NOTES- (9)

- Unbalanced roof live loads have been considered for this design.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=228, 2=256.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 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:

February 18,2019

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8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:45 2019 Page 1

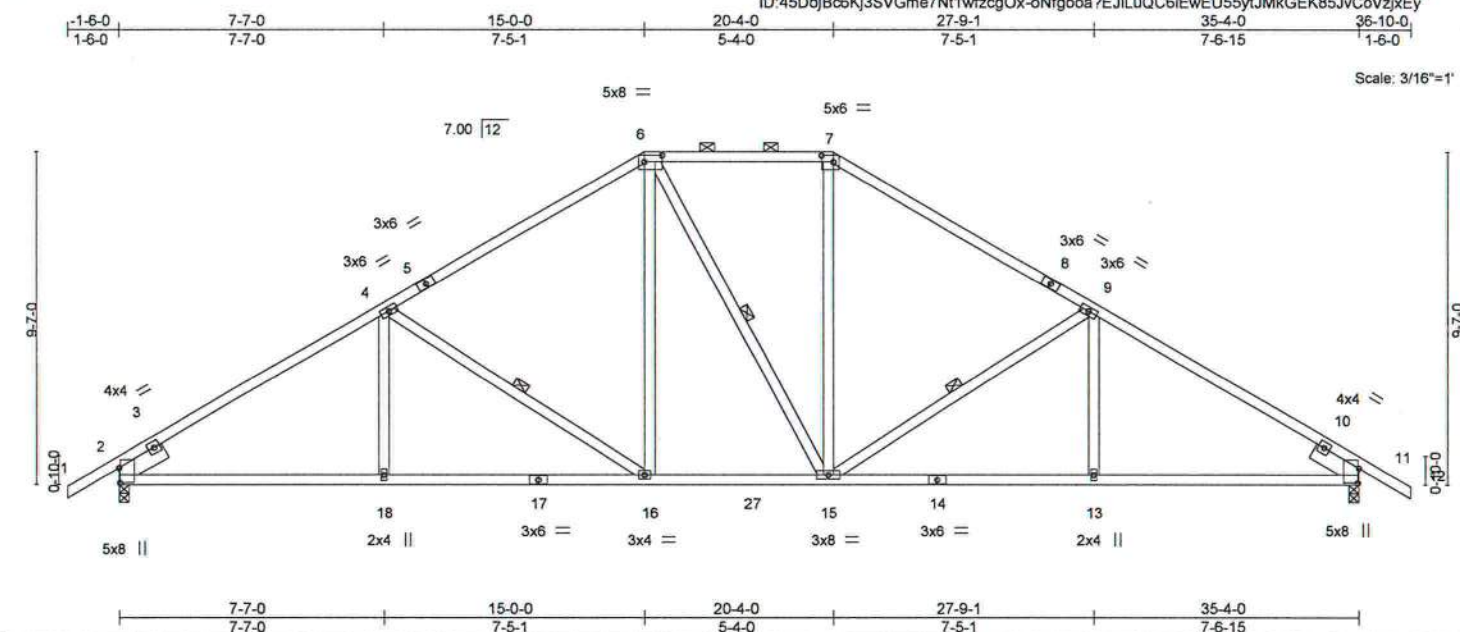


Plate Offsets (X,Y)-- [2:0-5-3,0-0-6], [6:0-6-0,0-2-4], [7:0-4-0,0-2-4], [11:0-5-3,0-0-6]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.86	Vert(LL)	-0.14	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.31	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.12	11	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 206 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 1-5,8-12: 2x4 SP M 31
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 1-6-0, Right 2x6 SP No.2 1-6-0

REACTIONS.

(lb/size) 2=1388/0-3-8, 11=1388/0-3-8
Max Horz 2=-240(LC 10)
Max Uplift 2=-284(LC 12), 11=-284(LC 13)

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

TOP CHORD 2-4=-1965/874, 4-6=-1527/779, 6-7=-1281/751, 7-9=-1527/780, 9-11=-1965/873
BOT CHORD 2-18=-595/1643, 16-18=-595/1643, 15-16=-314/1231, 13-15=-601/1611, 11-13=-601/1611
WEBS 4-18=0/275, 4-16=-600/345, 6-16=-154/483, 7-15=-154/455, 9-15=-599/345, 9-13=0/274

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., GCp1=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=284, 11=284.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 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.

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-0-10 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 7-7-0 oc bracing.
WEBS	1 Row at midpt 4-16, 6-15, 9-15



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Date:

February 18, 2019



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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED RITER REFERENCE PAGE M1413 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of frames and truss systems, see **ANSI/TPI 1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288500
1685796	T16	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:46 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-GZD278bd?dtCWanIFyRT0leE1jiD7aXIJzemKxzjxEx

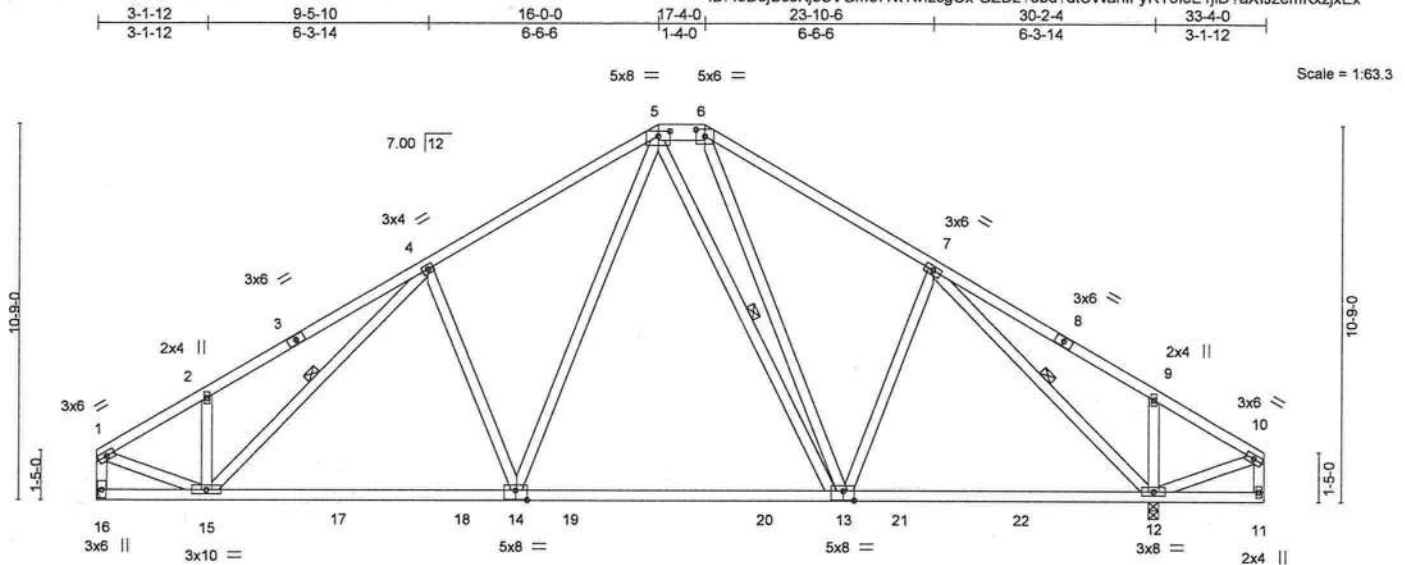


Plate Offsets (X,Y)--		[5:0-4-0,0-1-11], [6:0-3-0,0-2-5], [13:0-3-12,0-3-4], [14:0-4-0,0-3-4]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.45	Vert(LL)	-0.22 13-14	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.89	Vert(CT)	-0.35 13-14	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.71	Horz(CT)	0.04 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 223 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
5-6: 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-6-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-15, 5-13, 7-12

REACTIONS. (lb/size) 16=1100/Mechanical, 12=1345/0-3-8
Max Horz 16=230(LC 11)
Max Uplift 16=227(LC 12), 12=270(LC 13)
Max Grav 16=1195(LC 19), 12=1388(LC 20)

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

TOP CHORD 1-2=-1397/530, 2-4=-1478/692, 4-5=-1386/707, 5-6=-889/545, 6-7=-1192/626,
1-16=-1209/457
BOT CHORD 14-15=-378/1348, 13-14=-148/942, 12-13=-249/919
WEBS 2-15=-324/268, 4-14=-430/351, 5-14=-293/759, 5-13=-296/189, 6-13=-176/452,
7-12=-1323/509, 9-12=-347/279, 1-15=-447/1268

NOTES- (9)

- Unbalanced roof live loads have been considered for this design.
- 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; cantilever right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=227, 12=270.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 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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February 18, 2019

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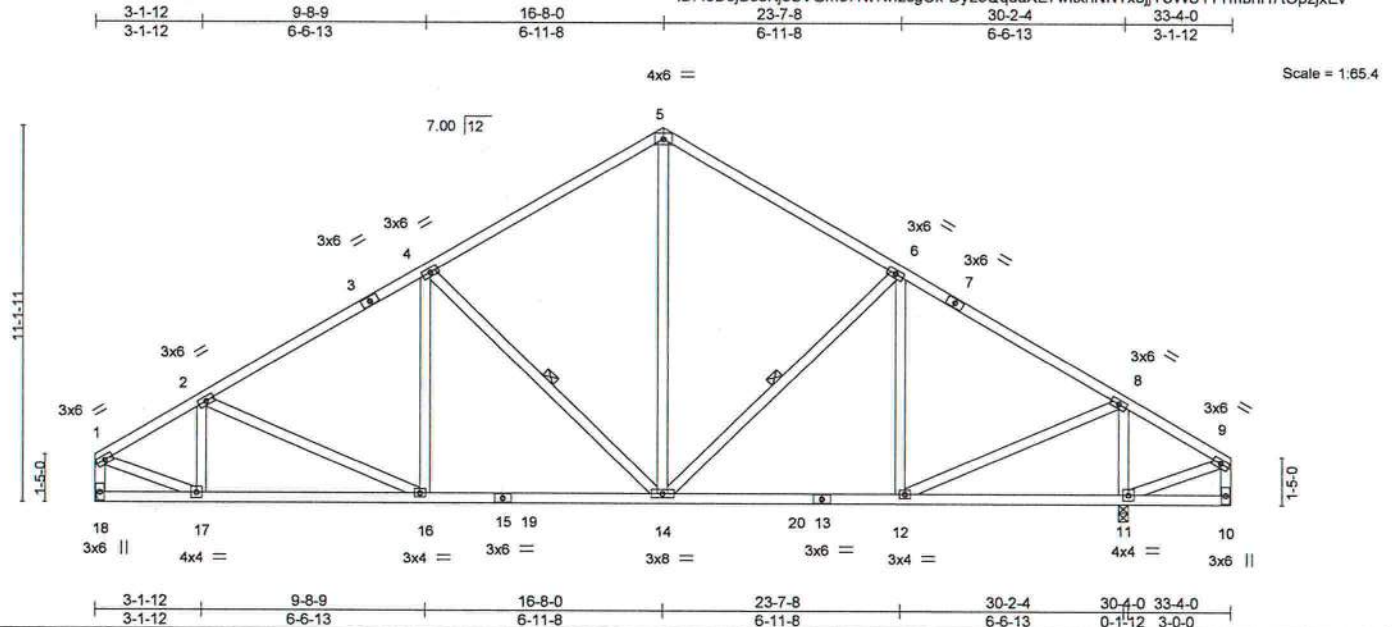


6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss T17	Truss Type Common	Qty 1	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288501
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Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:48 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-DyLoQqduXE7wltxhNNTx5jiYSWU1TTmbnH7tOpzjxEv



LOADING (psf)	SPACING-	CSL	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.52	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.49	Vert(LL) -0.08 14-16 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.73	Vert(CT) -0.14 14-16 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS	Horz(CT) 0.03 11 n/a n/a		
	Code FBC2017/TPI2014			Weight: 210 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 4-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 4-14

REACTIONS. (lb/size) 18=1100/Mechanical, 11=1345/0-3-8
Max Horz 18=240(LC 11)
Max Uplift 18=-229(LC 12), 11=-273(LC 13)
Max Grav 18=1113(LC 19), 11=1345(LC 1)

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

TOP CHORD 1-2=-1262/536, 2-4=-1377/624, 4-5=-1051/566, 5-6=-1050/566, 6-8=-1082/483,
1-18=-1087/462

BOT CHORD 16-17=-436/1250, 14-16=-366/1274, 12-14=-243/884

WEBS 5-14=-321/703, 6-12=-265/199, 8-12=-371/1003, 8-11=-1211/633, 4-14=-585/344,
4-16=0/269, 2-17=-329/207, 1-17=-460/1130

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpl=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=229, 11=273.
- 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:

February 18,2019

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288502
1685796	T18	Roof Special	2	1		

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:49 2019 Page 1

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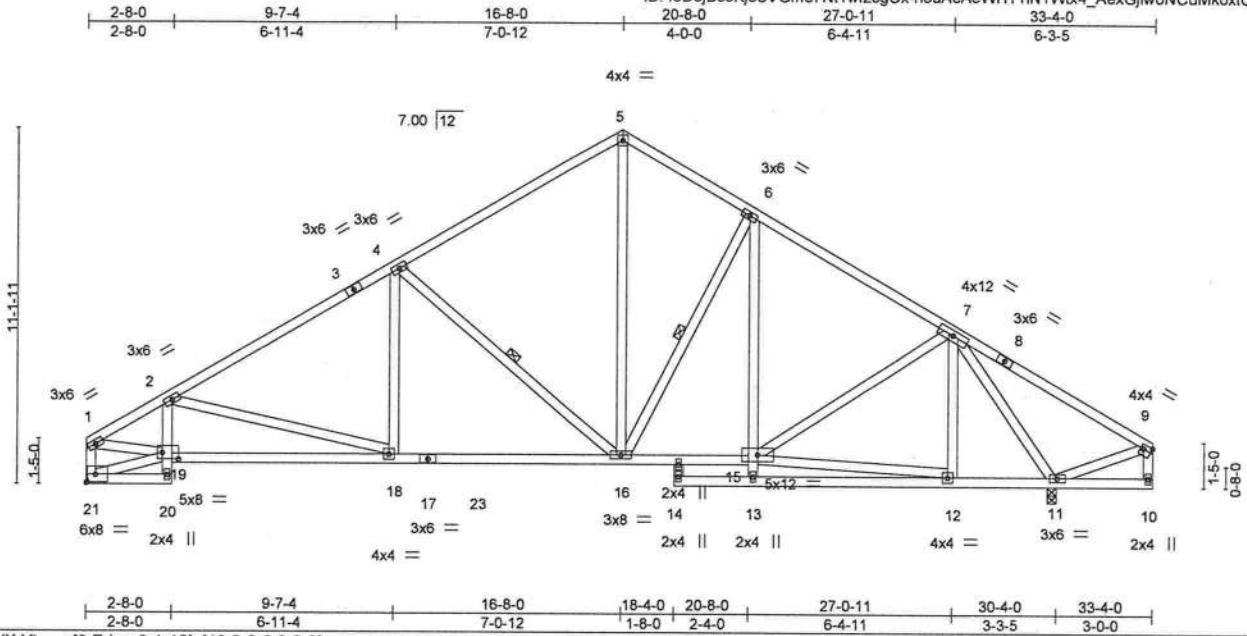


Plate Offsets (X,Y)- [9:Edge,0-1-12], [19:0-6-0,0-2-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plate Grip DOL	1.25	TC 0.54	Vert(LL)	-0.08 16-18	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.18 18-19	>999	180		
BCCL 0.0 *	Rep Stress Incr	YES	WB 0.90	Horz(CT)	0.07 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 234 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-20,6-13: 2x4 SP No.3
WEBS 2x4 SP No.3

REACTIONS. (lb/size) 11=1372/0-3-8, 21=1123/Mechanical
Max Horz 21=-240(LC 8)
Max Uplift 11=-263(LC 13), 21=-225(LC 12)

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

TOP CHORD 1-2=-1619/652, 2-4=-1559/664, 4-5=-1134/569, 5-6=-1149/598, 6-7=-1226/558,
7-9=-121/252, 1-21=-1108/445
BOT CHORD 18-19=-599/1652, 16-18=-408/1410, 15-16=-215/971, 11-12=-195/687
WEBS 2-18=-255/197, 4-18=-1/326, 4-16=-679/380, 5-16=-389/865, 6-16=-359/201,
12-15=-176/603, 7-15=-45/382, 7-11=-1465/643, 1-19=-554/1392, 9-11=-249/259

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- 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; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 psf grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=263, 21=225.
- 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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February 18,2019

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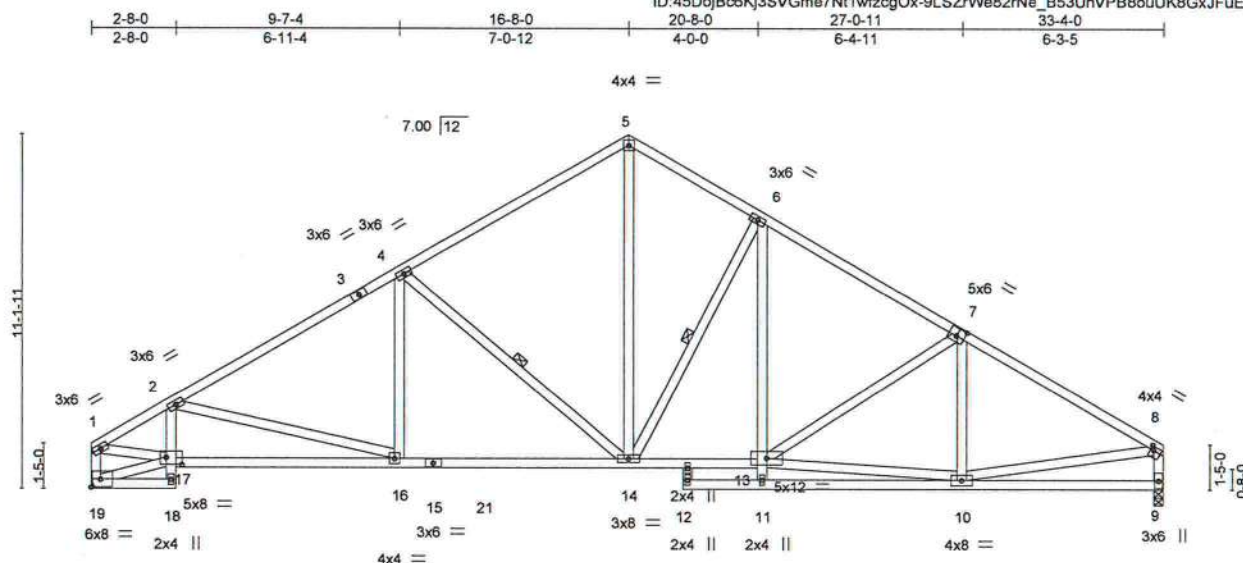
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Tampa, FL 36610

Job 1685796	Truss T19	Truss Type Roof Special	Qty 5	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288503
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Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:50 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wfzcgOx-9LSzrWe82rNe_B53UnVPB8ouUK8GxJFuEbczTizxEt



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)	-0.11	12	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.63	Vert(CT)	-0.23	12	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.98	Horz(CT)	0.08	9	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 231 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-18,6-11: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
7-2-11 oc bracing: 16-17
8-4-11 oc bracing: 14-16.
10-0-0 oc bracing: 11-13
WEBS 1 Row at midpt 4-14, 6-14

REACTIONS. (lb/size) 9=1252/0-3-8, 19=1243/Mechanical
Max Horz 19=240(LC 9)
Max Uplift 9=240(LC 13), 19=242(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1773/733, 2-4=-1777/765, 4-5=-1354/675, 5-6=-1368/703, 6-7=-1583/730,
7-8=-1658/684, 1-19=-1212/500, 8-9=-1190/525
BOT CHORD 16-17=-671/1788, 14-16=-496/1576, 13-14=-363/1291, 6-13=-108/415
WEBS 4-16=-1/317, 4-14=-669/375, 5-14=-494/1085, 6-14=-611/321, 10-13=-454/1231,
7-10=-265/183, 1-17=-624/1525, 8-10=-444/1272

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=240, 19=242.
- 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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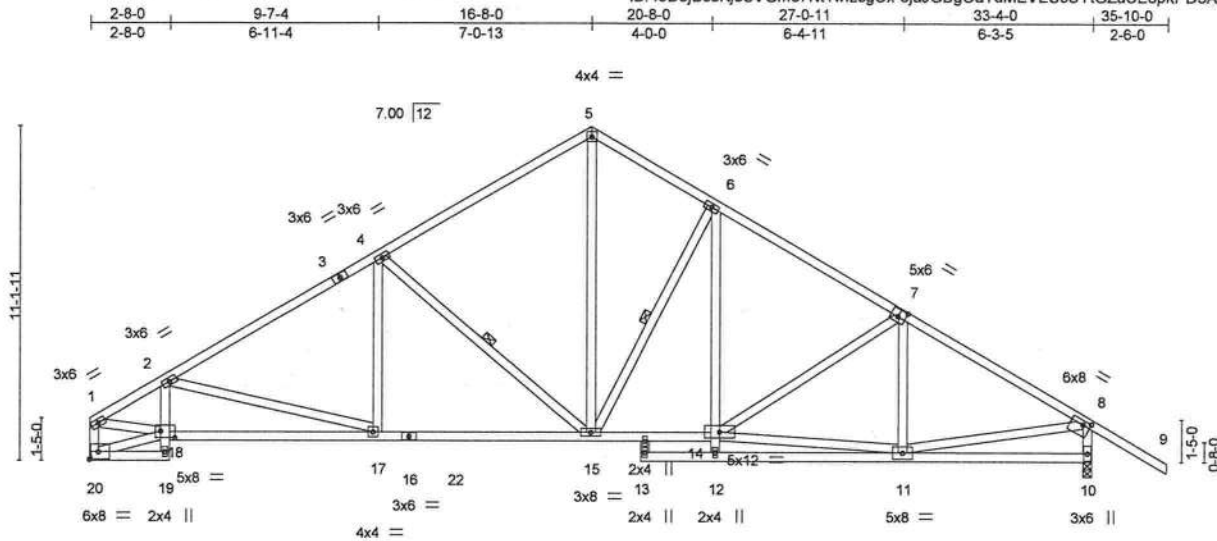
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6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss T20	Truss Type Roof Special	Qty 2	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288504
Builders FirstSource, Jacksonville, FL - 32244,						Job Reference (optional)

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:52 2019 Page 1
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LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-11-7 oc purlins, except end verticals.
BOT CHORD	2x4 SP No.2 *Except*	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
WEBS	2-19,6-12: 2x4 SP No.3		7-11-11 oc bracing: 17-18
	2x4 SP No.3		9-4-10 oc bracing: 15-17.
			10-0-0 oc bracing: 12-14
			1 Row at midpt
REACTIONS.	(lb/size) 10=1400/0-3-8, 20=1237/Mechanical		4-15, 6-15
	Max Horz 20=291(LC 8)		
	Max Uplift 10=290(LC 13), 20=242(LC 12)		
FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.		
TOP CHORD	1-2=-1779/691, 2-4=-1767/749, 4-5=-1361/663, 5-6=-1376/693, 6-7=-1591/713, 7-8=-1625/678, 1-20=-1216/471, 8-10=-1339/695		
BOT CHORD	17-18=-549/1819, 15-17=-395/1599, 14-15=-259/1277, 6-14=-94/410, 10-11=-16/264		
WEBS	4-17=-1/318, 4-15=-671/371, 5-15=-484/1093, 6-15=-616/315, 11-14=-347/1235, 7-11=-266/171, 1-18=-586/1530, 8-11=-459/1305, 18-20=-258/271		

- NOTES- (7)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; end vertical right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=290, 20=242.
 - 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.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 18,2019

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6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss T21	Truss Type Roof Special Girder	Qty 1	Ply 2	SIMQUE HOMES - CAROLINA IV	T16288505
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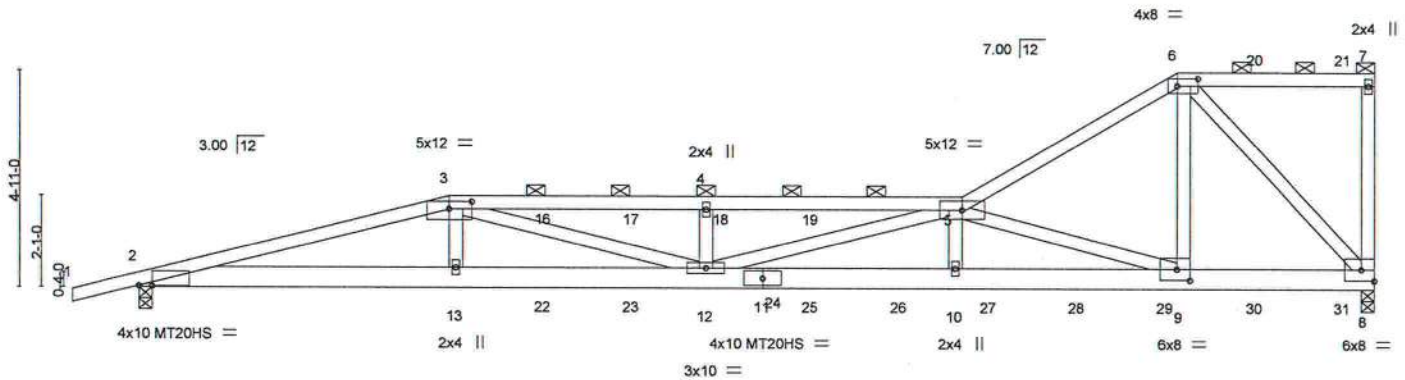
Builders FirstSource, Jacksonville, FL - 32244,

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ID:45DojBc6Kj3SVGme7Nt1wfcgOx-16i3hthf64t4ToOqjdaLL_zaiQW7zT9DaBcTzjxEp



Scale = 1:50.1



	7-0-0	12-8-14	18-5-11	23-4-0	27-9-8
	7-0-0	5-8-14	5-8-14	4-10-5	4-5-8

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL)	0.47	10-12	>708	240	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.93	Vert(CT)	-0.70	10-12	>470	180	MT20HS
BCLL 0.0 *	Rep Stress Incr	NO	WB 1.00	Horz(CT)	0.10	8	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 322 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
3-5: 2x4 SP M 31
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-1 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-0 max.): 3-5, 6-7.
BOT CHORD Rigid ceiling directly applied or 8-1-14 oc bracing.

REACTIONS. (lb/size) 8=2427/0-3-8, 2=2156/0-3-8
Max Horz 2=165(LC 8)
Max Uplift 8=1028(LC 8), 2=1025(LC 4)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-7506/3762, 3-4=-9532/4518, 4-5=-9532/4518, 5-6=-2269/905, 7-8=-279/58
BOT CHORD 2-13=-3762/7247, 12-13=-3792/7299, 10-12=-3749/8620, 9-10=-3737/8569,
8-9=-862/2014
WEBS 3-13=-348/681, 3-12=-858/2330, 4-12=-651/349, 5-12=-1010/952, 5-10=-150/608,
5-9=-7023/3080, 6-9=-1248/2858, 6-8=-2890/1243

NOTES- (12)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- 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); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 8=1028, 2=1025.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 269 lb down and 220 lb up at 7-0-0, 147 lb down and 94 lb up at 9-1-1, 147 lb down and 94 lb up at 11-1-1, 147 lb down and 94 lb up at 13-1-1, 147 lb down and 94 lb up at 15-1-1, and 119 lb down and 28 lb up at 25-1-1, and 131 lb down and 26 lb up at 27-1-1 on top chord, and 350 lb down and 333 lb up at 7-0-0, 82 lb down and 85 lb up at 9-1-1, 82 lb down and 85 lb up at 11-1-1, 82 lb down and 85 lb up at 13-1-1, 82 lb down and 85 lb up at 15-1-1, 217 lb down and 89 lb up at 17-1-1, 225 lb down and 87 lb up at 19-1-1, 225 lb down and 87 lb up at 21-1-1, 225 lb down and 134 lb up at 23-1-1, and 117 lb down and 113 lb up at 25-1-1, and 118 lb down and 108 lb up at 27-1-1 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288505
1685796	T21	Roof Special Girder	1	2	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

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- 12) 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, 3-5=-54, 5-6=-54, 6-7=-54, 2-8=-20

Concentrated Loads (lb)

Vert: 3=-173(F) 13=-350(F) 16=-107(F) 17=-107(F) 18=-107(F) 19=-107(F) 20=-119(F) 21=-131(F) 22=-66(F) 23=-66(F) 24=-66(F) 25=-66(F) 26=-217(F) 27=-225(F) 28=-225(F) 29=-225(F) 30=-48(F) 31=-52(F)

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6904 Parke East Blvd.
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Job 1685796	Truss T22	Truss Type Roof Special	Qty 1	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288506
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Builders FirstSource, Jacksonville, FL - 32244,

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-1-6-0	5-5-15	9-0-0	14-2-0	19-4-0	25-4-0	27-9-8
1-6-0	5-5-15	3-6-1	5-2-0	5-2-0	6-0-0	2-5-8

Scale = 1:49.7

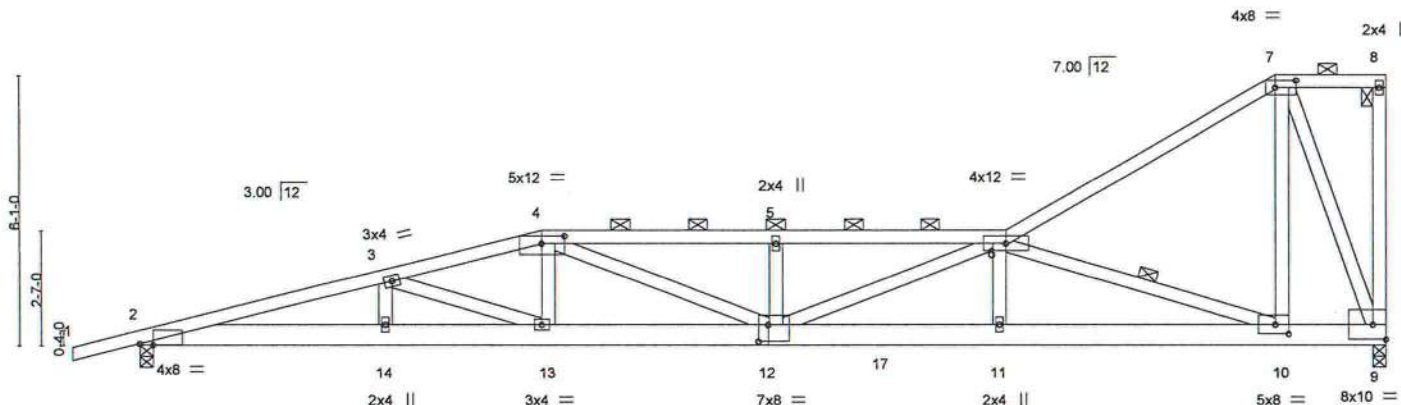


Plate Offsets (X,Y)- [2:0-3-7,0-0-5], [4:0-6-0,0-2-0], [7:0-5-8,0-2-0], [10:0-3-8,0-2-8], [12:0-2-8,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.77	Vert(LL)	-0.30 11-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.90	Vert(CT)	-0.55 11-12	>598	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.81	Horz(CT)	0.09 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 174 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 2-10-1 oc purlins, except end verticals, and 2-0-0 oc purlins (2-6-8 max.): 4-6, 7-8.
BOT CHORD Rigid ceiling directly applied or 5-3-7 oc bracing.
WEBS 1 Row at midpt 6-10

REACTIONS. (lb/size) 9=1134/0-3-8, 2=1190/0-3-8
Max Horz 2=205(LC 12)
Max Uplift 9=290(LC 12), 2=317(LC 8)

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

TOP CHORD 2-3=-3614/1689, 3-4=-3200/1483, 4-5=-3688/1681, 5-6=-3710/1698, 6-7=-562/161
BOT CHORD 2-14=-1869/3486, 13-14=-1869/3486, 12-13=-1626/3102, 11-12=-1497/3173,
10-11=-1496/3158, 9-10=-220/444
WEBS 3-13=-428/264, 4-13=-86/316, 4-12=-240/640, 5-12=-295/226, 6-12=-391/582,
6-11=-22/317, 6-10=-2913/1367, 7-10=-415/1065, 7-9=-1172/583

NOTES- (10)

- Unbalanced roof live loads have been considered for this design.
- 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
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=290, 2=317.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 204 lb down and 106 lb up at 16-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-7=-54, 7-8=-54, 2-9=-20
Concentrated Loads (lb)
Vert: 17=-200(B)



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February 18, 2019

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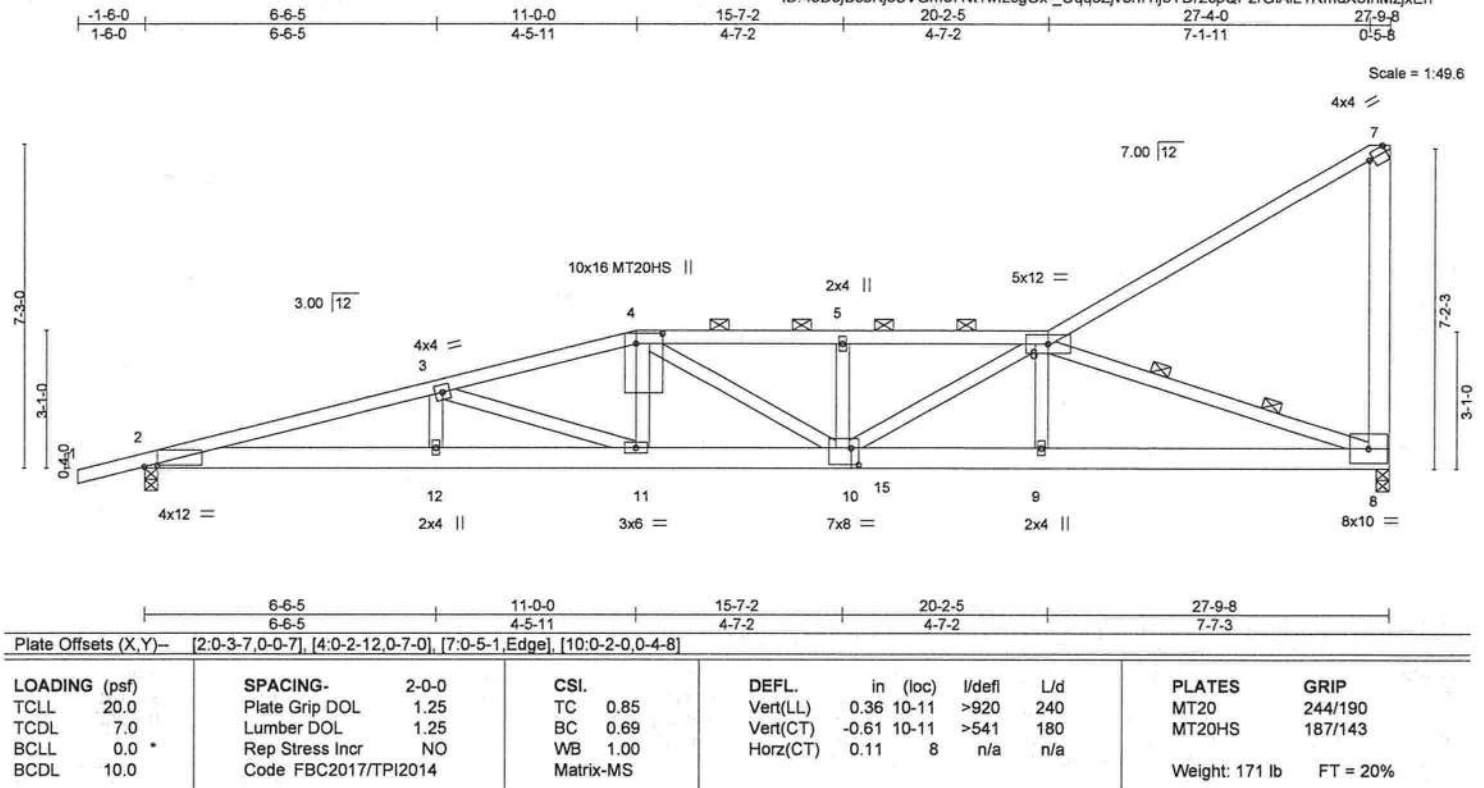


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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288507
1685796	T23	Roof Special	1	1	Job Reference (optional)	

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LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
1-4: 2x4 SP M 31
BOT CHORD 2x6 SP No.2 *Except*
2-10: 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2

BRACING-

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

REACTIONS.

(lb/size) 8=1500/0-3-8, 2=2254/0-3-8
Max Horz 2=248(LC 12)
Max Uplift 8=424(LC 12), 2=601(LC 8)

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

TOP CHORD 2-3=-6701/3296, 3-4=-5099/2465, 4-5=-4628/2177, 5-6=-4611/2164
BOT CHORD 2-12=-3485/6481, 11-12=-3485/6481, 10-11=-2642/4982, 9-10=-1629/3374,
8-9=-1632/3368
WEBS 3-12=-270/655, 3-11=-1653/924, 4-11=-562/1192, 4-10=-462/308, 6-10=-859/1453,
6-9=0/268, 6-8=-3551/1712

NOTES- (10)

- 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
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- The Fabrication Tolerance at joint 4 = 16%
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=424, 2=601.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-7=-54, 2-15=-120(B=-100), 8-15=-20



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February 18, 2019

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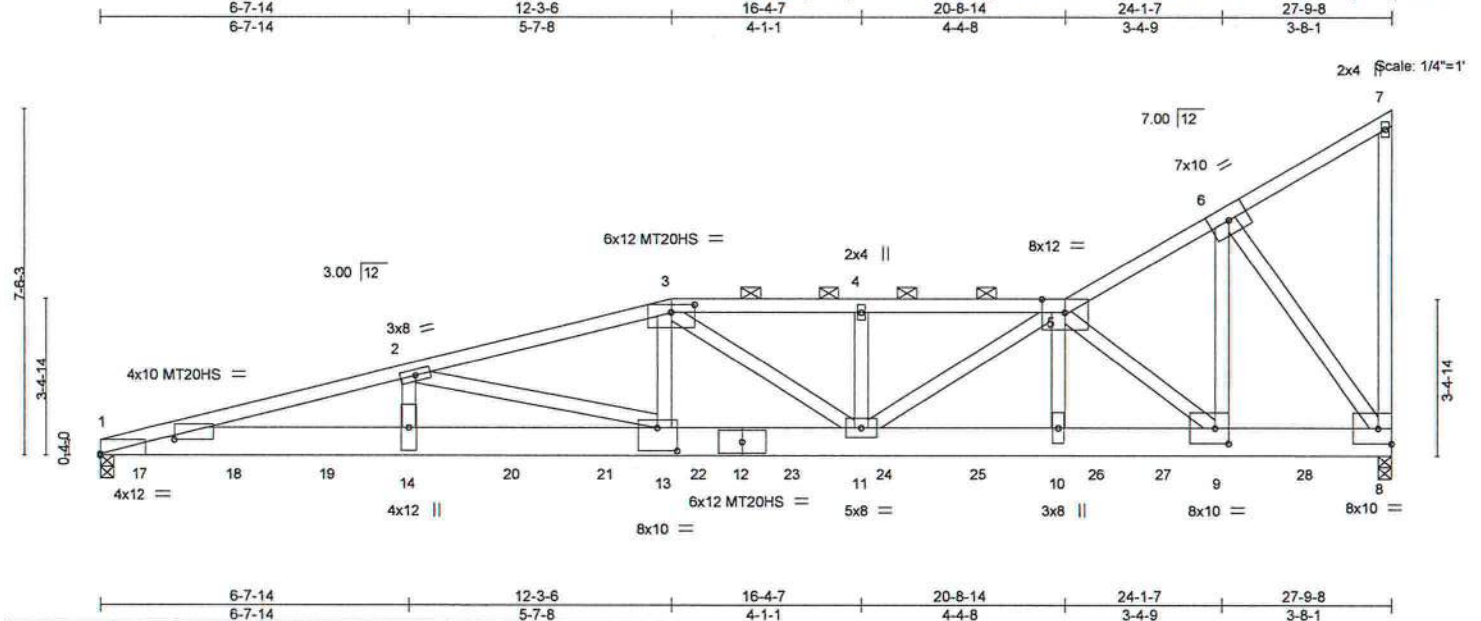
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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288508
1685796	T24	Roof Special Girder	1	3	Job Reference (optional)	

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ID:45DojBc6Kj3SVGme7N1wfcgOx-ShNCJvXP?FeKG7PPm72zdb?G9TT4VYvrAprDojxEm



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.96	Vert(LL)	-0.44 13-14	>744	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.85	Vert(CT)	-0.82 13-14	>402	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.95	Horz(CT)	0.12 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 585 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP M 31 *Except* 5-7: 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-6 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.); 3-5.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except* 6-9: 2x4 SP No.2	

REACTIONS.	(lb/size)	1=9703/0-3-8 (req. 0-3-13), 8=9101/0-3-8 (req. 0-3-9)
	Max Horz	1=239(LC 8)
	Max Uplift	1=2075(LC 8), 8=1974(LC 8)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-31053/6576, 2-3=-23819/4992, 3-4=-21647/4505, 4-5=-21647/4505, 5-6=-6922/1365
BOT CHORD	1-14=-6581/30106, 13-14=-6581/30106, 11-13=-4935/22780, 10-11=-3601/17018, 9-10=-3575/16882, 8-9=-1285/5981
WEBS	2-14=-697/3493, 2-13=-7292/1645, 3-13=-1289/6255, 3-11=-1399/370, 5-11=-1265/5587, 5-10=-535/2775, 5-9=-14481/3042, 6-9=-2367/11497, 6-8=-10215/2193

- NOTES-** (12)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-4-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Wind: ASCE 7-10; 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); Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - WARNING:** Required bearing size at joint(s) 1, 8 greater than input bearing size.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=2075, 8=1974.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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February 18, 2019

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288508
1685796	T24	Roof Special Girder	1	3	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:58 2019 Page 2
ID:45DajBc6Kj3SVGme7Nt1wfcgOx-wtxaWFI9AJNVyQicyTfHVq890Yoipto34qYOIEzjxEI

NOTES- (12)

- 11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1106 lb down and 245 lb up at 0-10-12, 1080 lb down and 249 lb up at 2-10-12, 1103 lb down and 245 lb up at 4-10-12, 1103 lb down and 245 lb up at 6-10-12, 1223 lb down and 262 lb up at 8-10-12, 1223 lb down and 262 lb up at 10-10-12, 1223 lb down and 262 lb up at 12-10-12, 1223 lb down and 262 lb up at 14-10-12, 1223 lb down and 262 lb up at 16-10-12, 1217 lb down and 262 lb up at 18-10-12, 1217 lb down and 262 lb up at 20-10-12, 1018 lb down and 224 lb up at 22-10-12, and 1018 lb down and 224 lb up at 23-11-4, and 1004 lb down and 227 lb up at 25-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 12) 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, 3-5=-54, 5-7=-54, 1-11=-70(B=-50), 8-11=-20

Concentrated Loads (lb)

Vert: 14=-1103(B) 9=-1018(B) 17=-1083(B) 18=-1080(B) 19=-1103(B) 20=-1223(B) 21=-1223(B) 22=-1223(B) 23=-1223(B) 24=-1223(B) 25=-1217(B) 26=-1217(B) 27=-1018(B) 28=-1004(B)

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6904 Parke East Blvd.
Tampa, FL 36610

Job 1685796	Truss T25	Truss Type HIP GIRDER	Qty 1	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288509
Job Reference (optional)						

Builders FirstSource, Jacksonville, FL - 32244,

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ID:45D0jBc6Kj3SVGme7Nt1wfcgOx-O3VykbInxcVMaZHoWAAW22gOxyHPYSzCJUlyHhzjEk

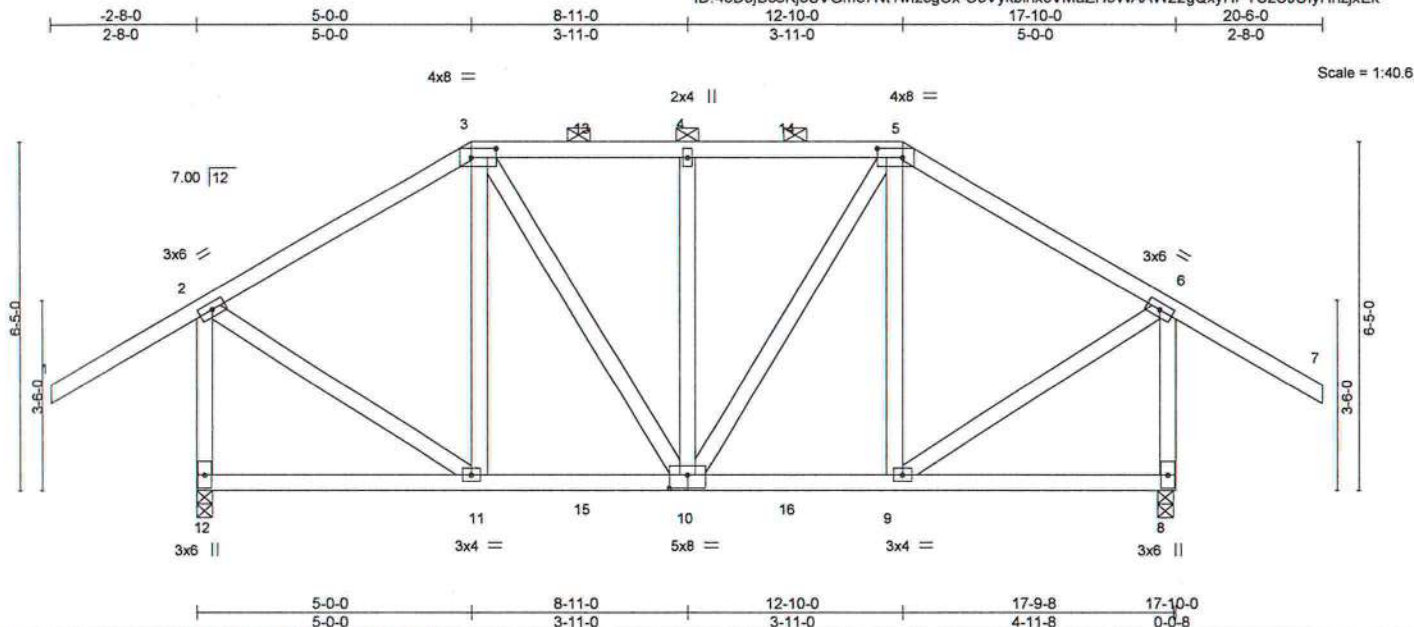


Plate Offsets (X,Y)-- [3:0-5-8,0-2-0], [5:0-5-8,0-2-0], [10:0-4-0,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.56	Vert(LL)	0.06 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.31	Vert(CT)	0.06 10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.76	Horz(CT)	-0.02 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 137 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 3-5.
BOT CHORD Rigid ceiling directly applied or 5-7-14 oc bracing.

REACTIONS.

(lb/size) 12=981/0-3-8, 8=981/0-3-8
Max Horz 12=230(LC 7)
Max Uplift 12=1227(LC 5), 8=1227(LC 4)
Max Grav 12=1087(LC 43), 8=1087(LC 42)

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

TOP CHORD 2-3=-835/1127, 3-4=-807/1165, 4-5=-807/1165, 5-6=-835/1127, 2-12=-1074/1215, 6-8=-1074/1215
BOT CHORD 10-11=-1019/719, 9-10=-966/694
WEBS 3-10=-420/309, 4-10=-334/284, 5-10=-420/309, 2-11=-1135/825, 6-9=-1135/825

NOTES- (10)

- Unbalanced roof live loads have been considered for this design.
- 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); end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=1227, 8=1227.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 263 lb down and 277 lb up at 5-0-0, 118 lb down and 103 lb up at 7-0-12, 118 lb down and 103 lb up at 8-11-0, and 118 lb down and 103 lb up at 10-9-4, and 263 lb down and 277 lb up at 12-10-0 on top chord, and 287 lb down and 473 lb up at 5-0-0, 93 lb down and 160 lb up at 7-0-12, 93 lb down and 160 lb up at 8-11-0, and 93 lb down and 160 lb up at 10-9-4, and 287 lb down and 473 lb up at 12-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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

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



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 18, 2019

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288509
1685796	T25	HIP GIRDER	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:11:59 2019 Page 2
ID:45DojBc6Kj3SVGme7Nt1wfcgOx-O3VykbInxcVMaZHoWAAW22gQxyHPYSzCJUlyHhzjxEk

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-54, 2-3=-54, 3-5=-54, 5-6=-54, 6-7=-54, 8-12=-20

Concentrated Loads (lb)

Vert: 3=-70(F) 5=-70(F) 11=-22(F) 10=-28(F) 4=-31(F) 9=-22(F) 13=-31(F) 14=-31(F) 15=-28(F) 16=-28(F)

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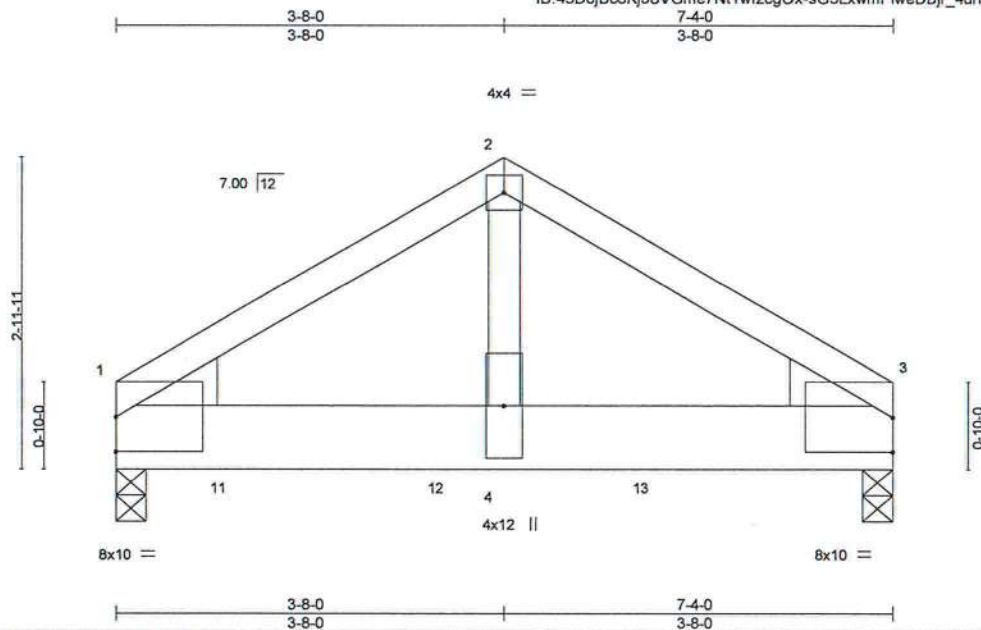


6904 Parke East Blvd.
Tampa, FL 36610

Job 1685796	Truss T26	Truss Type Common Girder	Qty 1	Ply 2	SIMQUE HOMES - CAROLINA IV	T16288510
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Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:12:00 2019 Page 1
ID:45DojBc6Kj3SVGme7Nt1wtzcgOx-sG3LxwmPiweDBjr_4uhlbFDnyMfbHyjMY81Vq7zxEj



Scale = 1:21.0

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.16	Vert(LL)	-0.02	4	>999	240	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.18	Vert(CT)	-0.03	4	>999	180	
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.53	Horz(CT)	0.00	3	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 85 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

WEDGE

Left: 2x6 SP No.2, Right: 2x6 SP No.2

REACTIONS. (lb/size) 1=2342/0-3-8, 3=3577/0-3-8
Max Horz 1=67(LC 26)
Max Uplift 1=873(LC 8), 3=981(LC 9)

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

TOP CHORD 1-2=-2978/1079, 2-3=-2977/1080
BOT CHORD 1-4=-891/2519, 3-4=-891/2519
WEBS 2-4=-987/2807

NOTES- (9)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-4-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=873, 3=981.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 157 lb down and 45 lb up at 1-1-1, 2621 lb down and 1191 lb up at 3-1-9, and 1296 lb down and 233 lb up at 5-0-12, and 1303 lb down and 241 lb up at 7-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

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



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February 18,2019

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss T26	Truss Type Common Girder	Qty 1	Ply 2	SIMQUE HOMES - CAROLINA IV Job Reference (optional)	T16288510
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Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:12:00 2019 Page 2
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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=-54, 2-3=-54, 5-8=-20

Concentrated Loads (lb)

Vert: 10=-1303(F) 11=-157(F) 12=-2621(F) 13=-1296(F)

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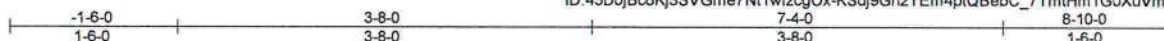


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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288511
1685796	T26G	Common Supported Gable	1	1	Job Reference (optional)	

Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:12:01 2019 Page 1
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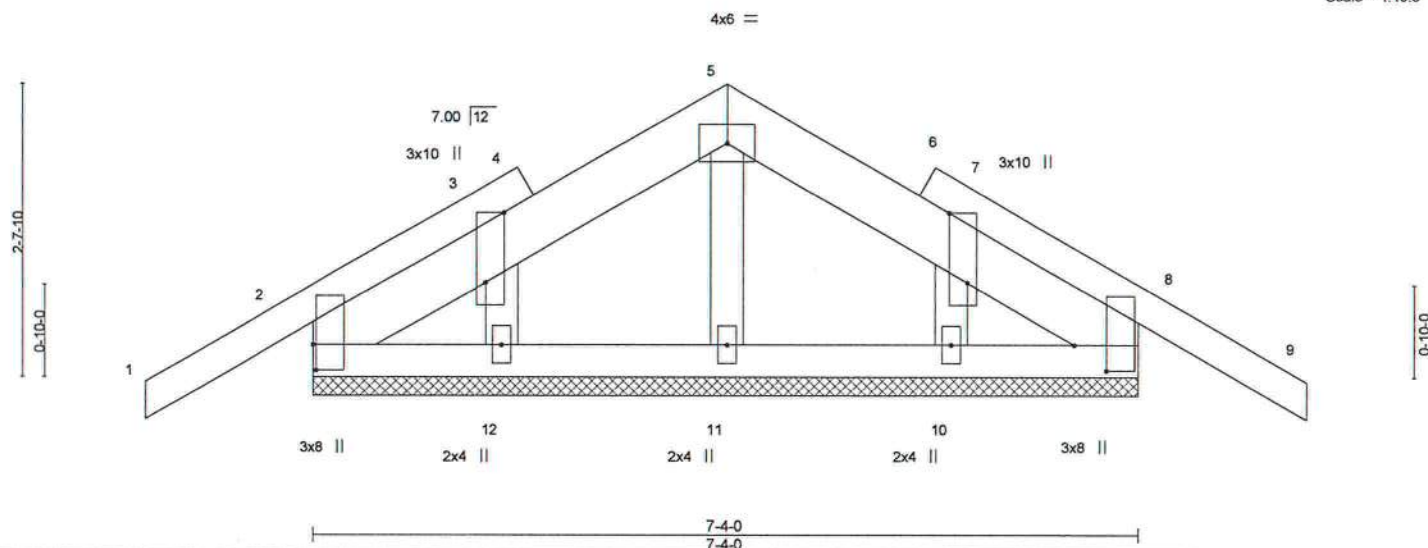


Plate Offsets (X,Y)-- [2:0-2-12,0-0-6], [3:0-7-8,Edge], [7:0-7-8,Edge], [8:0-2-12,0-3-6]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.12	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	-0.01	9	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 48 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-4,6-9: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 7-4-0.
(lb) - Max Horz 2--80(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 11, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11, 12, 10

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

NOTES- (9)

- Unbalanced roof live loads have been considered for this design.
- 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
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 11, 12, 10.
- 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.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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February 18, 2019

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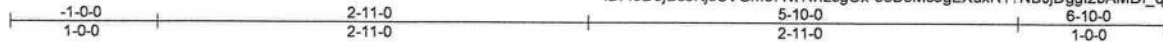
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Job	Truss	Truss Type	Qty	Ply	SIMQUE HOMES - CAROLINA IV	T16288512
1685796	T27	COMMON	1	1		

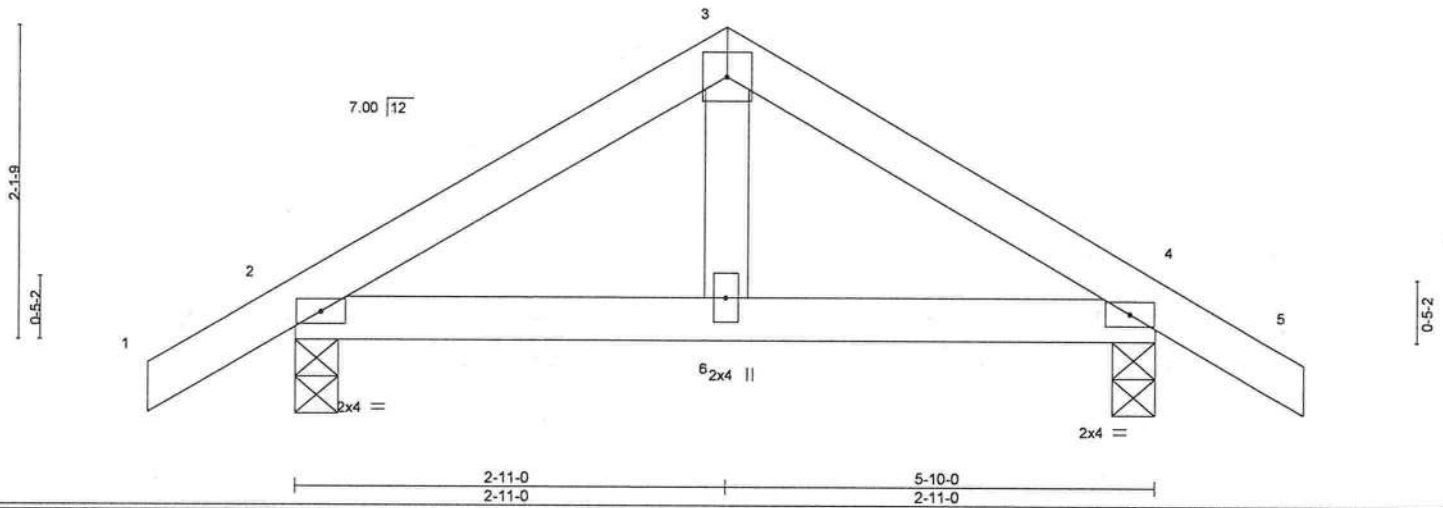
Builders FirstSource, Jacksonville, FL - 32244,

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:12:02 2019 Page 1
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4x4 =

Scale = 1:15.0



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 0.09	Vert(LL)	-0.00	6-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	-0.01	6-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP							
									Weight: 25 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 5-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(lb/size) 2=270/0-3-8, 4=270/0-3-8
Max Horz 2=71(LC 11)
Max Uplift 2=114(LC 12), 4=114(LC 13)

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

NOTES- (6)

- Unbalanced roof live loads have been considered for this design.
- 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
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=114, 4=114.
- 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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

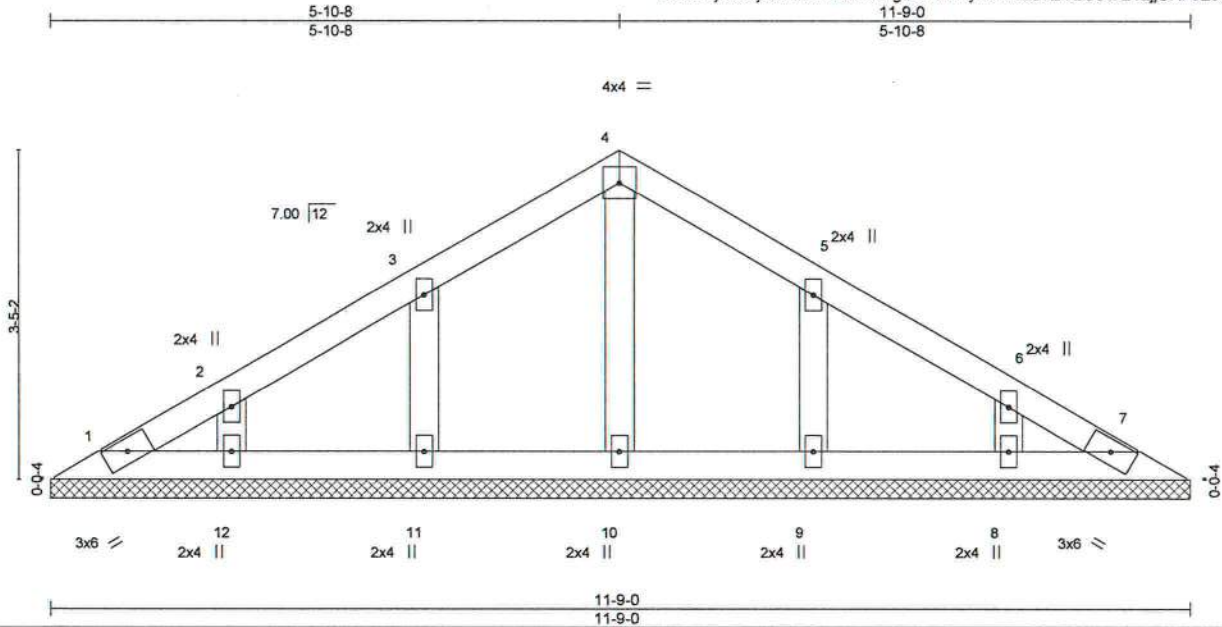
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-88 and BCS Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
Tampa, FL 33610

Job 1685796	Truss V01	Truss Type GABLE	Qty 1	Ply 1	SIMQUE HOMES - CAROLINA IV	T16288513
Builders FirstSource, Jacksonville, FL - 32244,						Job Reference (optional)

8.220 s Nov 16 2018 MiTek Industries, Inc. Mon Feb 18 10:12:03 2019 Page 1
ID:45D0jBc6Kj3SVGme7Nt1wfcgOx-HrtTayol?r0o2BaZIOESCurE1ZjjURFoE6G9QSzpxEg



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.04	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.04	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 47 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 11-9-0.
(lb) - Max Horz 1=78(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 7, 10, 11, 12, 9, 8

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

NOTES- (7)

- Unbalanced roof live loads have been considered for this design.
- 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
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 12, 9, 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.



Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
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Date:

February 18, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

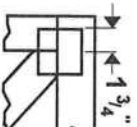
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



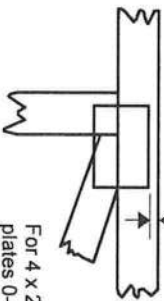
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Tampa, FL 33610

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

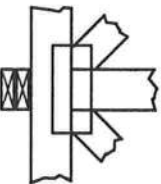
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



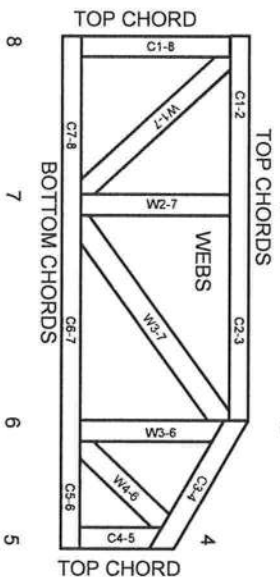
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP11: 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

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

Lumber design values are in accordance with ANSI/TP1 1 section 6.3 These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet. MIL-7473 rev. 10/03/2015

General Safety Notes

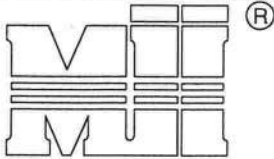
Failure to Follow Could Cause Property Damage or Personal Injury

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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.

AUGUST 1, 2016

T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY

MII-T-BRACE 2



MiTek USA, Inc. Page 1 of 1

MiTek USA, Inc.
ENGINEERED BY
TRENCO
A MiTek Affiliate

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

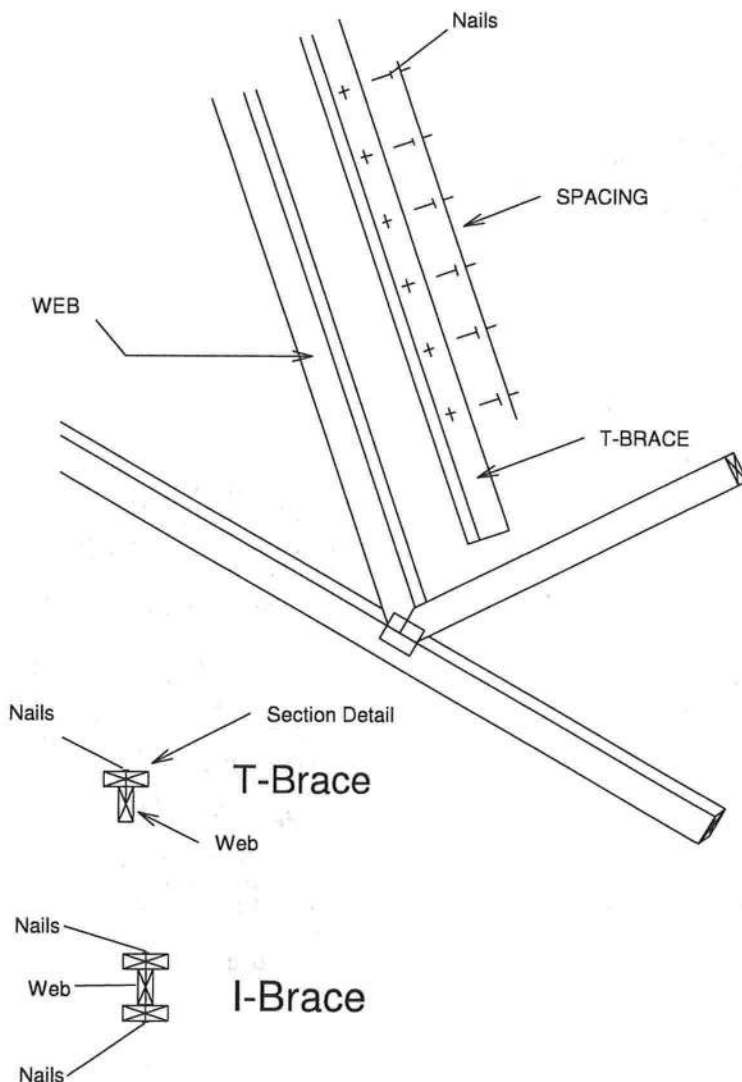
Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

Nailing Pattern		
T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d (0.131" X 3")	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

Brace Size for One-Ply Truss		
Specified Continuous Rows of Lateral Bracing		
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

Brace Size for Two-Ply Truss		
Specified Continuous Rows of Lateral Bracing		
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.



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Date:

February 12, 2018

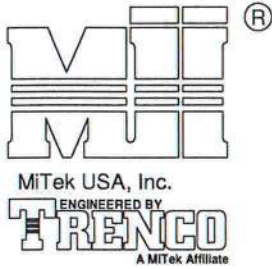
AUGUST 1, 2016

SCAB-BRACE DETAIL

MII-SCAB-BRACE

MiTek USA, Inc.

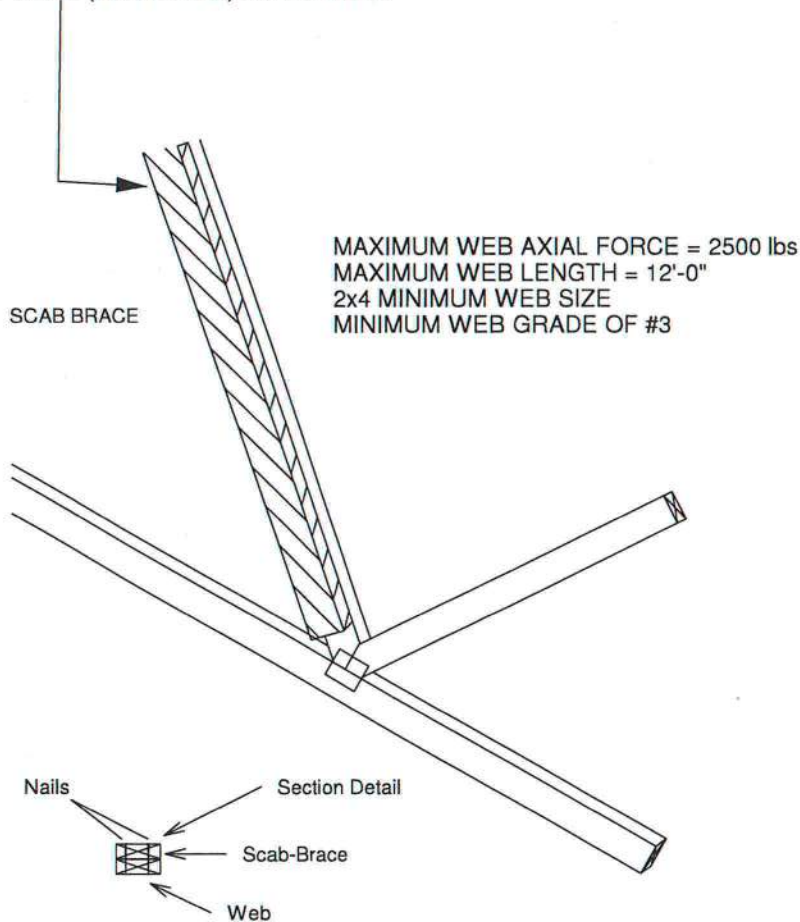
Page 1 of 1



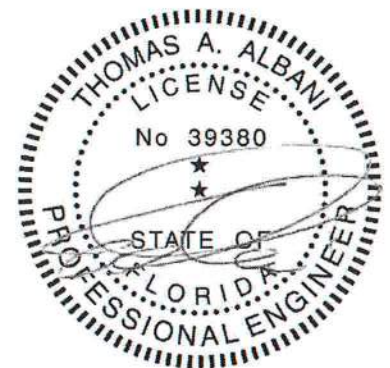
Note: Scab-Bracing to be used when continuous lateral bracing at midpoint (or T-Brace) is impractical.
Scab must cover full length of web +/- 6".

*** THIS DETAIL IS NOT APPLICABLE WHEN BRACING IS ***
REQUIRED AT 1/3 POINTS OR I-BRACE IS SPECIFIED.

APPLY 2x SCAB TO ONE FACE OF WEB WITH
2 ROWS OF 10d (0.131" X 3") NAILS SPACED 6" O.C.
SCAB MUST BE THE SAME GRADE, SIZE AND
SPECIES (OR BETTER) AS THE WEB.



Scab-Brace must be same species grade (or better) as web member.



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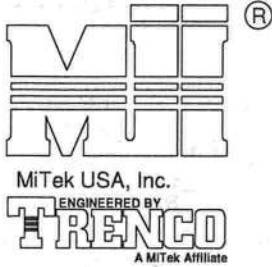
February 12, 2018

AUGUST 1, 2016

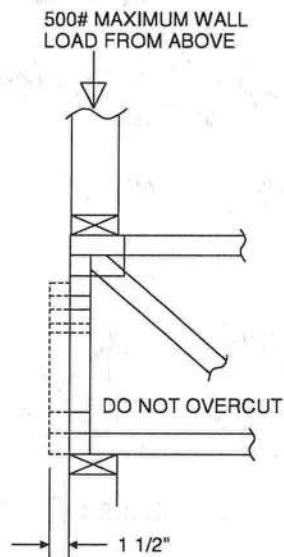
STANDARD REPAIR TO REMOVE END
VERTICAL (RIBBON NOTCH VERTICAL)

MII-REP05

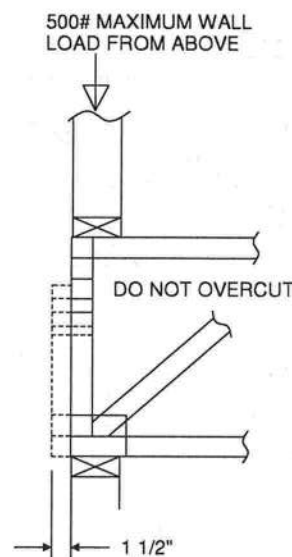
MiTek USA, Inc. Page 1 of 1



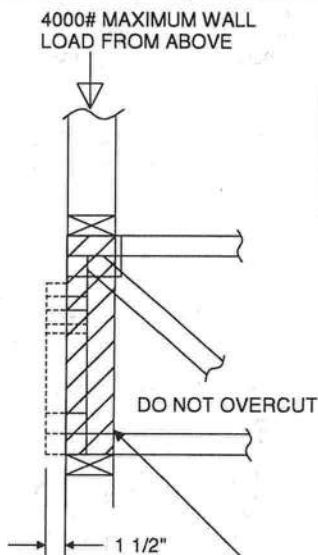
1. THIS IS A SPECIFIC REPAIR DETAIL TO BE USED ONLY FOR ITS ORIGINAL INTENTION. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD.
4. LUMBER MUST BE CUT CLEANLY AND ACCURATELY AND THE REMAINING WOOD MUST BE UNDAMAGED.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 4X ORIENTATION ONLY.
6. CONNECTOR PLATES MUST BE FULLY IMBEDDED AND UNDISTURBED.



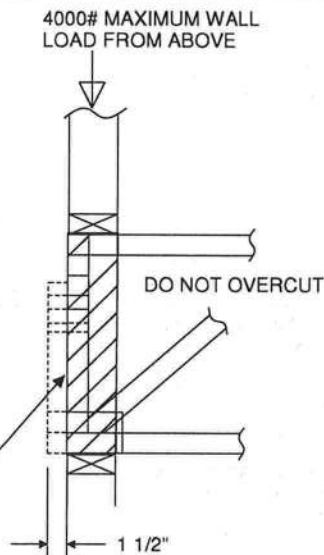
REFER TO INDIVIDUAL
TRUSS DESIGN FOR
PLATE SIZES AND
LUMBER GRADES



TRUSSES BUILT
WITH 4x2 MEMBERS

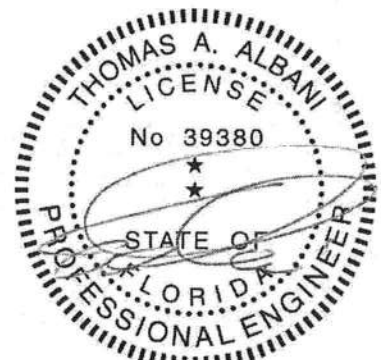


REFER TO INDIVIDUAL
TRUSS DESIGN FOR
PLATE SIZES AND
LUMBER GRADES



TRUSSES BUILT
WITH 4x2 MEMBERS

ATTACH 2x4 SQUASH BLOCK (CUT TO FIT TIGHTLY)
TO BOTH SIDES OF THE TRUSS AS SHOWN WITH
10d (0.131" X 3") NAILS SPACED 3" O.C.



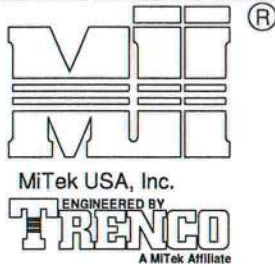
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Date:

February 12, 2018

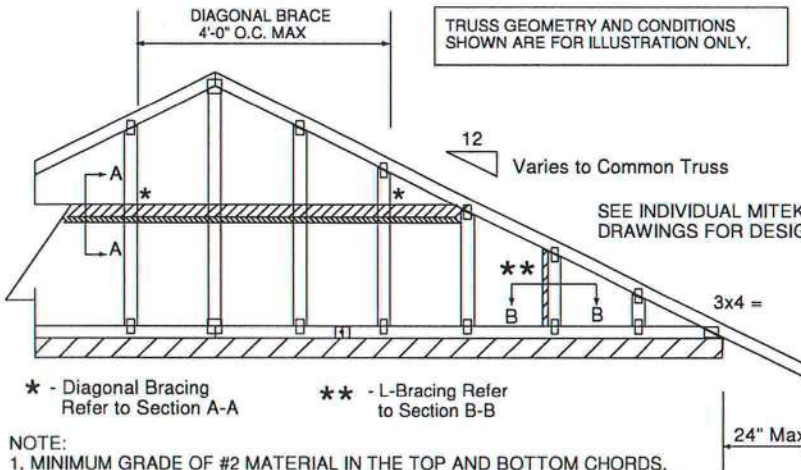
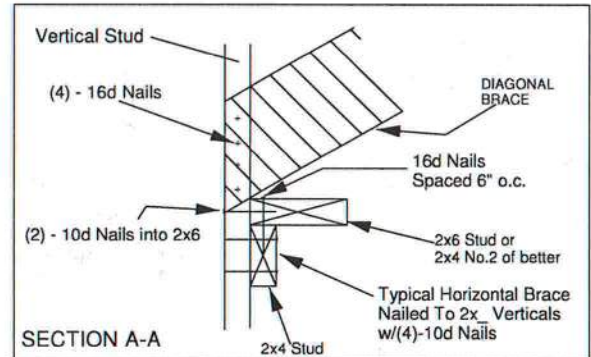
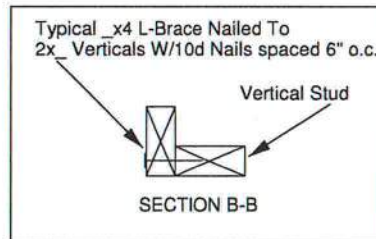
AUGUST 1, 2016

Standard Gable End Detail

MII-GE130-D-SP



MiTek USA, Inc. Page 1 of 2



NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SP No. 3 / Stud	12" O.C.	3-9-13	4-1-1	5-9-6	7-1-3	11-5-7
2x4 SP No. 3 / Stud	16" O.C.	3-5-4	3-6-8	5-0-2	6-10-8	10-3-13
2x4 SP No. 3 / Stud	24" O.C.	2-9-11	2-10-11	4-1-1	5-7-6	8-5-1

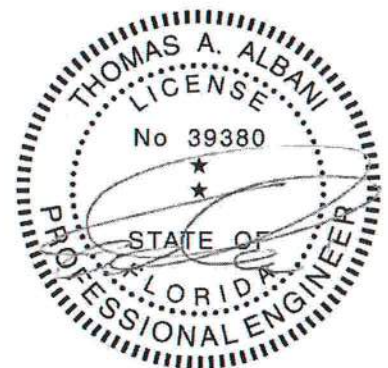
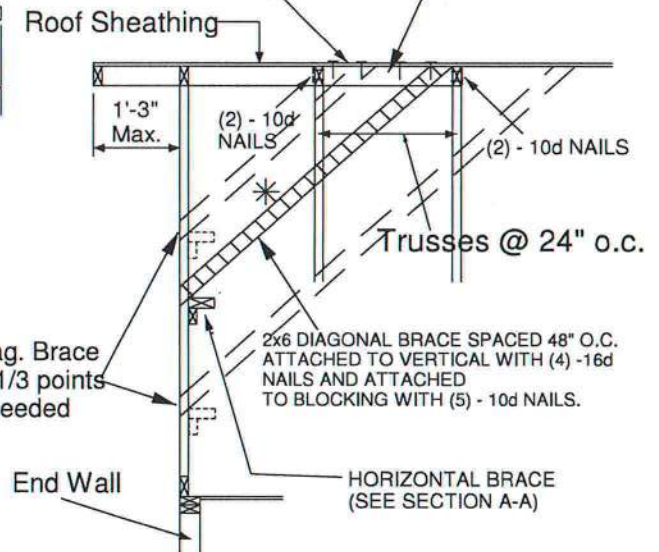
- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE D
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

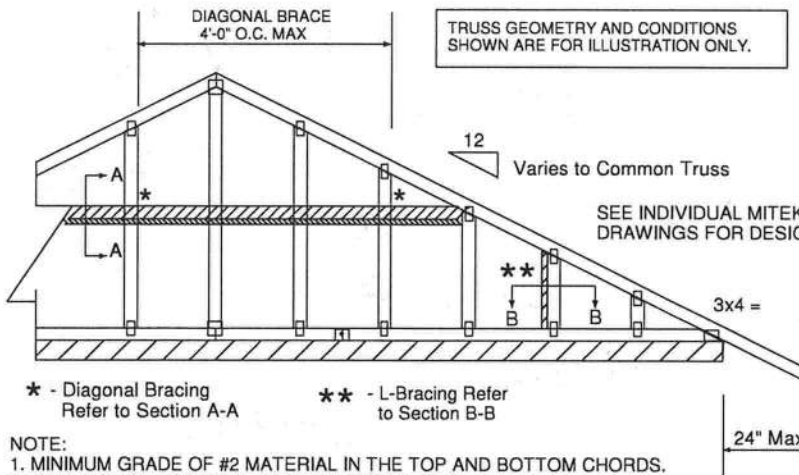
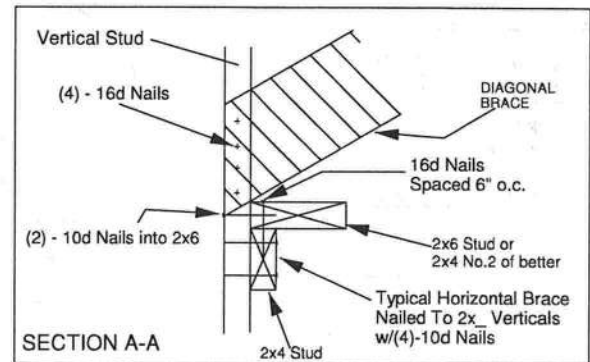
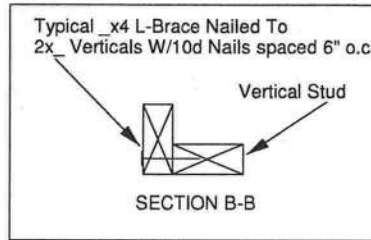
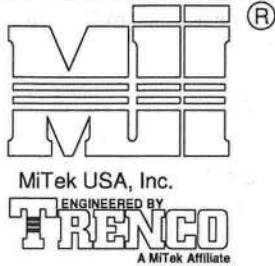
PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK



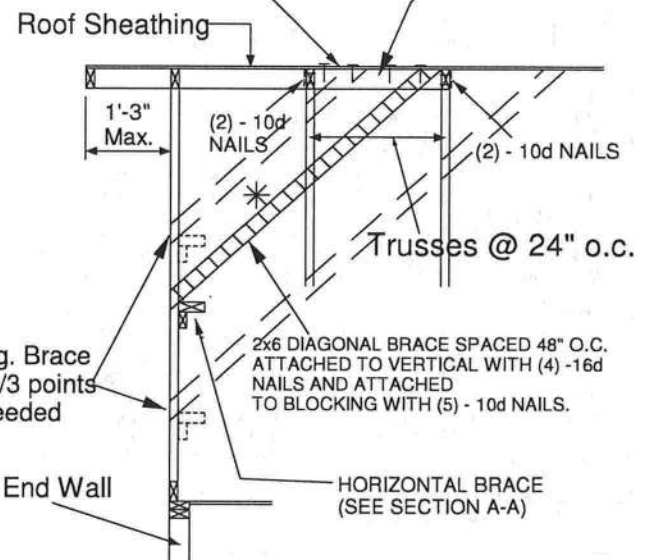
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK



NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SP No. 3 / Stud	12" O.C.	4-0-7	4-5-6	6-3-8	8-0-15	12-1-6
2x4 SP No. 3 / Stud	16" O.C.	3-8-0	3-10-4	5-5-6	7-4-1	11-0-1
2x4 SP No. 3 / Stud	24" O.C.	3-0-10	3-1-12	4-5-6	6-1-5	9-1-15

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



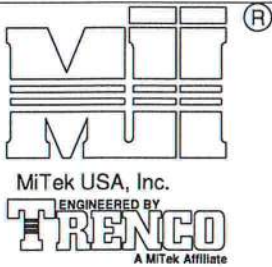
Thomas A. Albani PE No. 39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018

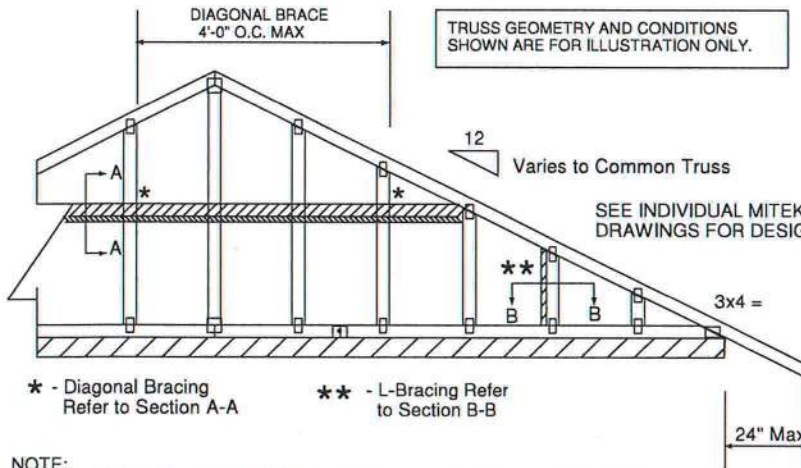
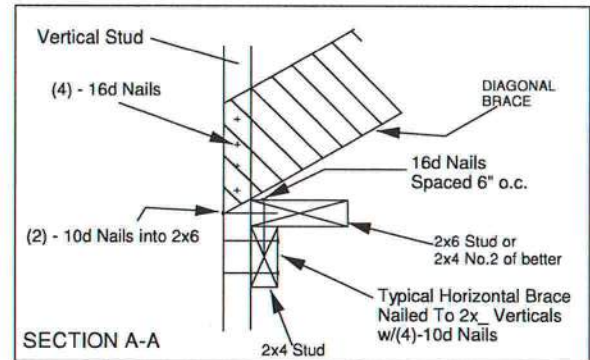
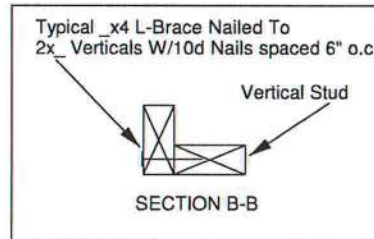
JANUARY 6, 2017

Standard Gable End Detail

MII-GE140-001



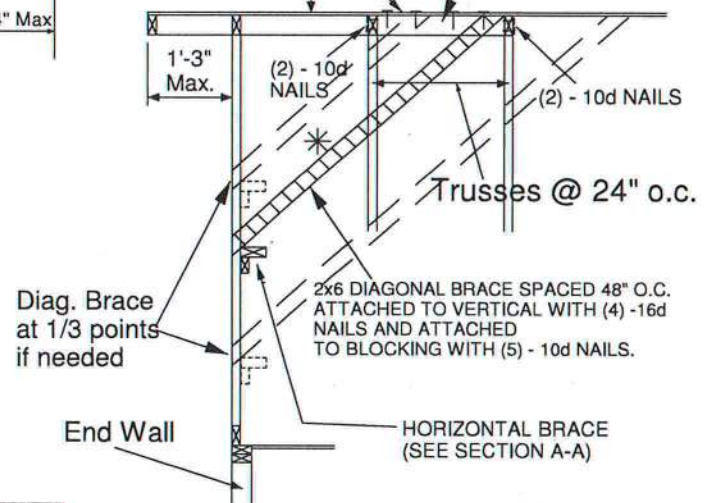
MiTek USA, Inc. Page 1 of 2



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD DF/SPF BLOCK

Roof Sheathing



NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
			Maximum Stud Length			
2x4 DF/SPF Std/Stud	12" O.C.	3-10-1	3-11-7	5-7-2	7-8-2	11-6-4
2x4 DF/SPF Std/Stud	16" O.C.	3-3-14	3-5-1	4-10-2	6-7-13	9-11-11
2x4 DF/SPF Std/Stud	24" O.C.	2-8-9	2-9-8	3-11-7	5-5-2	8-1-12

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

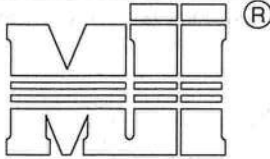
MAXIMUM WIND SPEED = 140 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



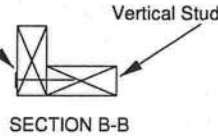
Thomas A. Albani PE No. 39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

January 19, 2018



MiTek USA, Inc.
ENGINEERED BY
TRENCO
A MiTek Affiliate

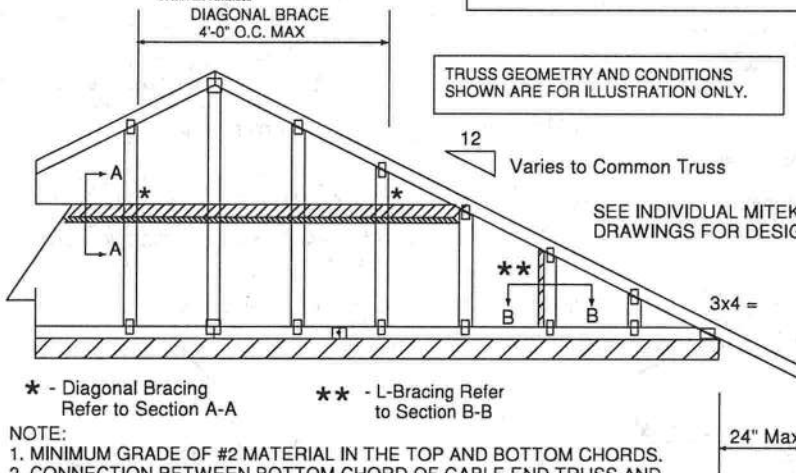
Typical 2x4 L-Brace Nailed To
2x4 Verticals W/10d Nails spaced 6" o.c.



TRUSS GEOMETRY AND CONDITIONS
SHOWN ARE FOR ILLUSTRATION ONLY.

12
Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING
DRAWINGS FOR DESIGN CRITERIA



* - Diagonal Bracing
Refer to Section A-A

** - L-Bracing Refer
to Section B-B

NOTE:

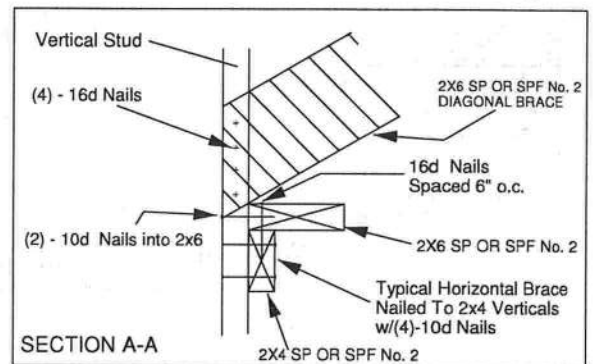
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH, SPF or SP No.3 OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 AND A 2x4 AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST GABLE STUD. ATTACH TO VERTICAL GABLE STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No. 3 / Stud	12" O.C.	3-9-7	5-8-8	6-11-1	11-4-4
2x4 SP No. 3 / Stud	16" O.C.	3-4-12	4-11-15	6-9-8	10-2-3
2x4 SP No. 3 / Stud	24" O.C.	2-9-4	4-0-7	5-6-8	8-3-13
2x4 SP No. 2	12" O.C.	3-11-13	5-8-8	6-11-1	11-11-7
2x4 SP No. 2	16" O.C.	3-7-7	4-11-5	6-11-1	10-10-5
2x4 SP No. 2	24" O.C.	3-1-15	4-0-7	6-3-14	9-5-14

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 l-braces attached to both edges. Fasten T and l braces to narrow edge of diagonal brace with 10d nails 6" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length. T or l braces must be 2x4 SPF No. 2 or SP No. 2.

MAX MEAN ROOF HEIGHT = 30 FEET
EXPOSURE D
ASCE 7-10 170 MPH
DURATION OF LOAD INCREASE : 1.60

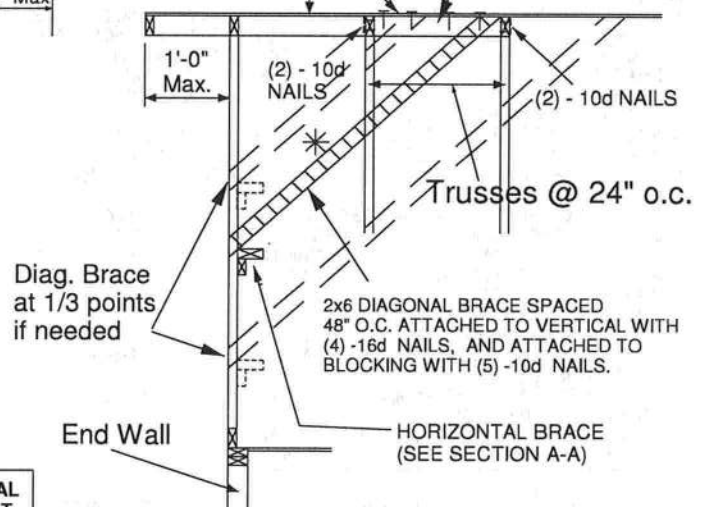
STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK

Roof Sheathing



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Date:

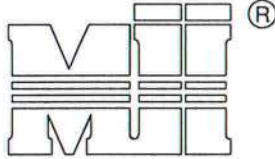
February 12, 2018

AUGUST 1, 2016

Standard Gable End Detail

MII-GE180-D-SP

MiTek USA, Inc. Page 1 of 2



MiTek USA, Inc.

ENGINEERED BY
TRENCOA MiTek Affiliate
DIAGONAL BRACE
4'-0" O.C. MAXTypical 2x4 L-Brace Nailed To
2x4 Verticals W/10d Nails spaced 6" o.c.

Vertical Stud

SECTION B-B

TRUSS GEOMETRY AND CONDITIONS
SHOWN ARE FOR ILLUSTRATION ONLY.12
Varies to Common TrussSEE INDIVIDUAL MITTEK ENGINEERING
DRAWINGS FOR DESIGN CRITERIA

3x4 =

24" Max

* - Diagonal Bracing
Refer to Section A-A** - L-Bracing Refer
to Section B-B

NOTE:

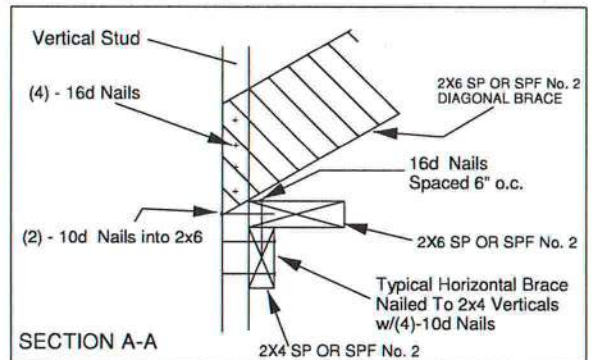
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH, SPF or SP No.3 OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 AND A 2x4 AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST GABLE STUD. ATTACH TO VERTICAL GABLE STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS $L/240$.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
2x4 SP No. 3 / Stud	12" O.C.	3-7-12	5-4-11	6-2-1	10-11-3
2x4 SP No. 3 / Stud	16" O.C.	3-2-8	4-8-1	6-2-1	9-7-7
2x4 SP No. 3 / Stud	24" O.C.	2-7-7	3-9-12	5-2-13	7-10-4
2x4 SP No. 2	12" O.C.	3-10-0	5-4-11	6-2-1	11-6-1
2x4 SP No. 2	16" O.C.	3-5-13	4-8-1	6-2-1	10-5-7
2x4 SP No. 2	24" O.C.	3-0-8	3-9-12	6-1-1	9-1-9

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of diagonal brace with 10d nails 6in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length. T or I braces must be 2x4 SPF No. 2 or SP No. 2.

MAX MEAN ROOF HEIGHT = 30 FEET
EXPOSURE D
ASCE 7-10 180 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.

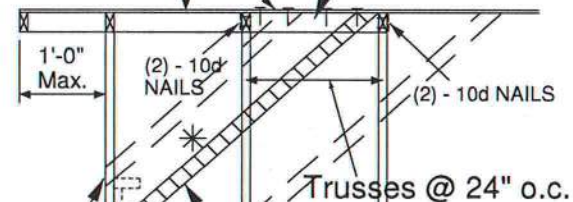


SECTION A-A

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK

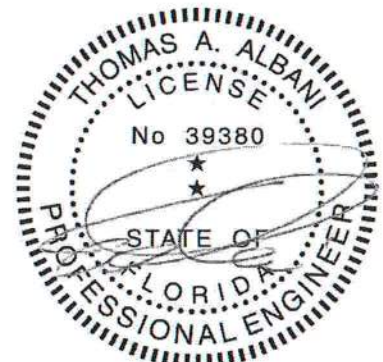
Roof Sheathing



Diag. Brace at 1/3 points if needed

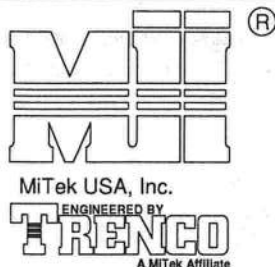
2x6 DIAGONAL BRACE SPACED 48" O.C. ATTACHED TO VERTICAL WITH (4) - 16d NAILS, AND ATTACHED TO BLOCKING WITH (5) - 10d NAILS.

End Wall

HORIZONTAL BRACE
(SEE SECTION A-A)

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Date:

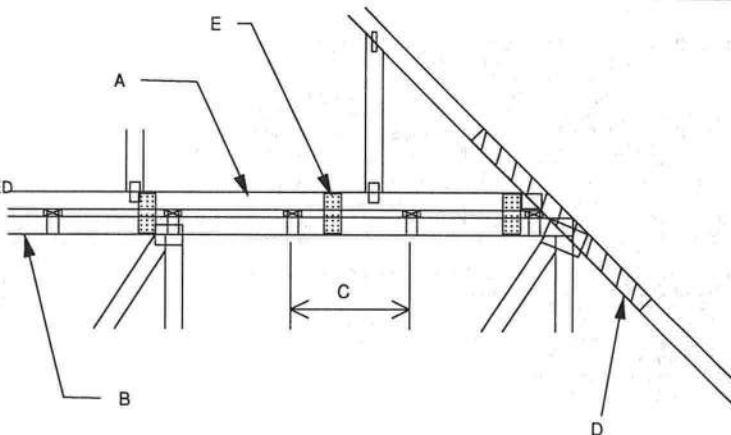
February 12, 2018



MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24" O.C.
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-10
DURATION OF LOAD INCREASE : 1.60

DETAIL IS NOT APPLICABLE FOR TRUSSES
TRANSFERING DRAG LOADS (SHEAR TRUSSES).
ADDITIONAL CONSIDERATIONS BY BUILDING
ENGINEER/DESIGNER ARE REQUIRED.

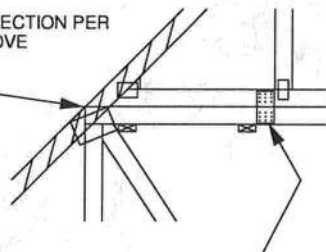
- A - PIGGYBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) (0.131" X 3.5") TOE-NAILED.
- B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) (0.131" X 3.5") NAILS EACH.
- D - 2 X $\frac{1}{2}$ " X 4'-0" SCAB, SIZE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, MIN GRADE #2, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF (0.131" X 3") NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
 2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.
- E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) (0.131" X 1.5") NAILS PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



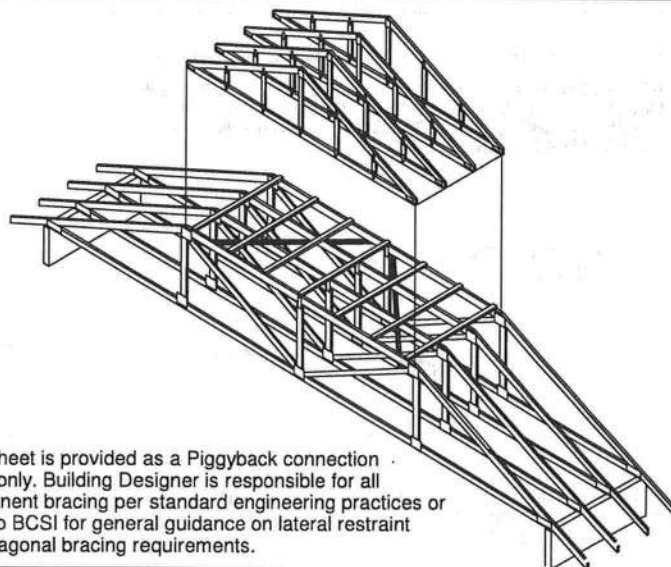
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

SCAB CONNECTION PER
NOTE D ABOVE

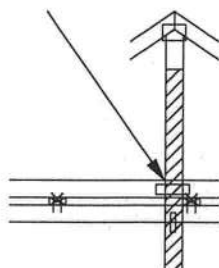


FOR ALL WIND SPEEDS, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) (0.131" X 1.5") PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



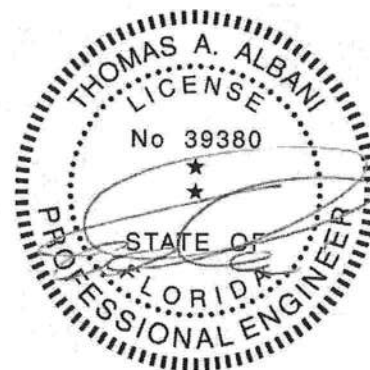
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO
EXTEND THROUGH
BOTTOM CHORD
OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED
TO CAP TRUSS REQUIRING A VERTICAL WEB:

- 1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
- 2) ATTACH 2 x $\frac{1}{2}$ " x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
- 3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
- 4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
- 5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.



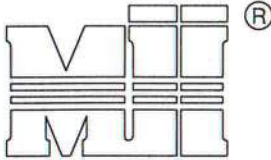
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6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018

AUGUST 1, 2016

STANDARD PIGGYBACK TRUSS CONNECTION DETAIL

MII-PIGGY-ALT
7-10



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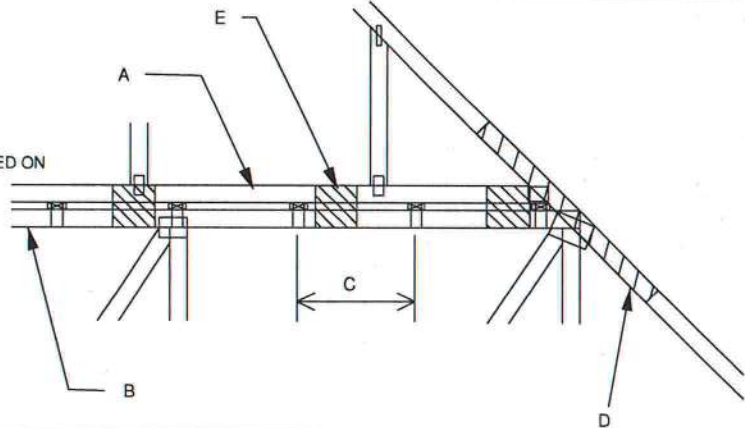
ENGINEERED BY
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MiTek USA, Inc. Page 1 of 1

MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24" O.C.
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-10
DURATION OF LOAD INCREASE : 1.60

DETAIL IS NOT APPLICABLE FOR TRUSSES
TRANSFERING DRAG LOADS (SHEAR TRUSSES).
ADDITIONAL CONSIDERATIONS BY BUILDING
ENGINEER/DESIGNER ARE REQUIRED.

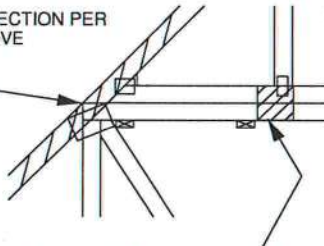
- A - PIGGYBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0(0.131" X 3.5") TOE-NAILED.
- B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) (0.131" X 3.5") NAILS EACH.
- D - 2 X 4'-0" SCAB, SIZE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, MIN GRADE #2, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF (0.131" X 3") NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
 2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.
- E - FOR WIND SPEED IN THE RANGE 126 MPH - 160 MPH ADD 9" x 9" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 48" O.C. OR LESS. ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)



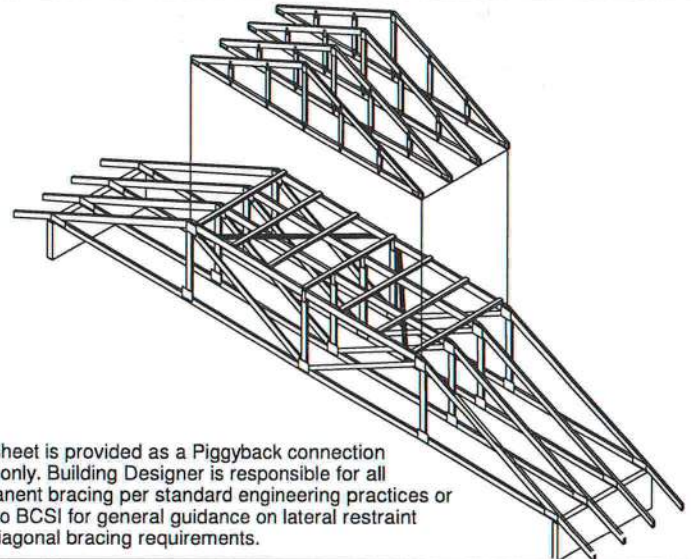
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH PLYWOOD GUSSETS AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

SCAB CONNECTION PER
NOTE D ABOVE

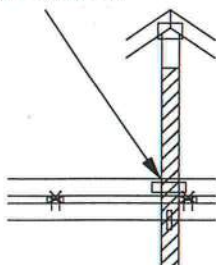


7" x 7" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 24" O.C. ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)



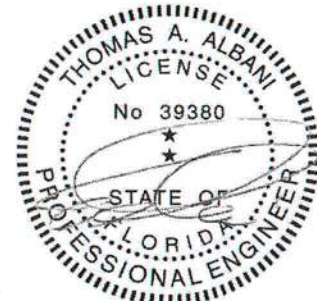
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO
EXTEND THROUGH
BOTTOM CHORD
OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED
TO CAP TRUSS REQUIRING A VERTICAL WEB:

- 1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
- 2) ATTACH 2 x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
- 3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
- 4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
- 5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.



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Date:

January 19, 2018

AUGUST 1, 2016

STANDARD REPAIR DETAIL FOR BROKEN CHORDS, WEBS
AND DAMAGED OR MISSING CHORD SPLICE PLATES

MII-REP01A1

MiTek USA, Inc. Page 1 of 1

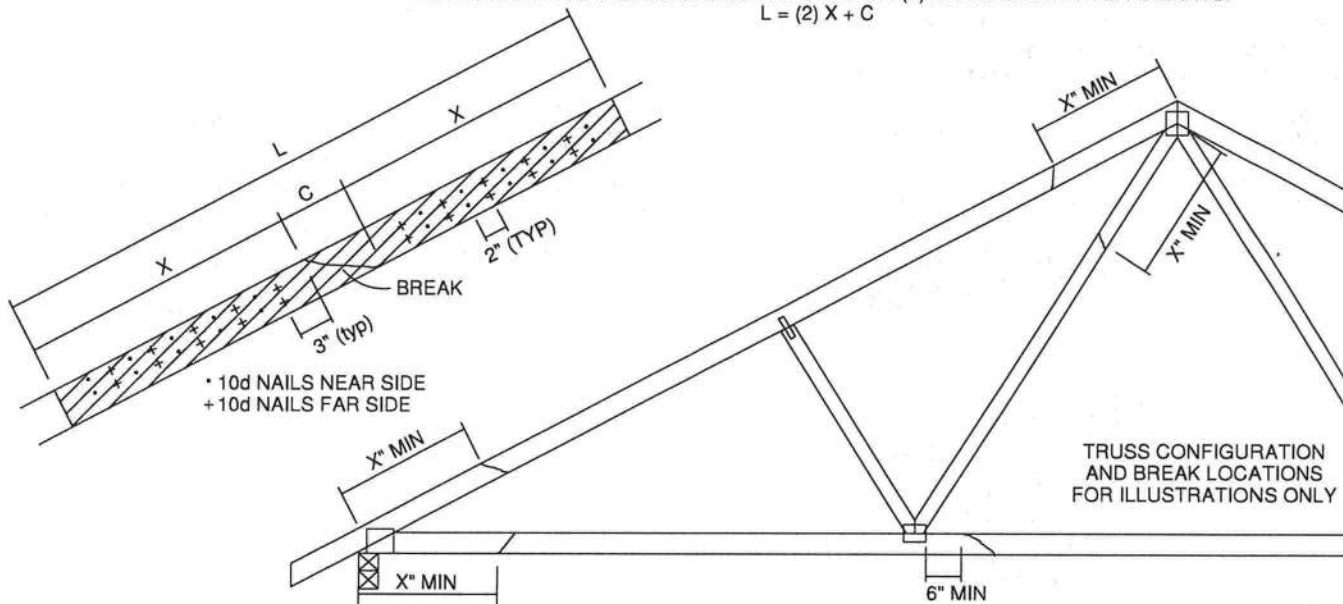


TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
			SP		DF		SPF		HF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608
32	48	36"	2681	4022	2454	3681	2074	3111	2125	3187
38	57	42"	3169	4754	2900	4350	2451	3677	2511	3767
44	66	48"	3657	5485	3346	5019	2829	4243	2898	4347

* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d (0.131" X 3") NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2-0 O.C. SPACING IN THE MAIN MEMBER. USE A MIN. 0-3-0 MEMBER END DISTANCE.

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE REPAIRS)
THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:
 $L = (2) X + C$

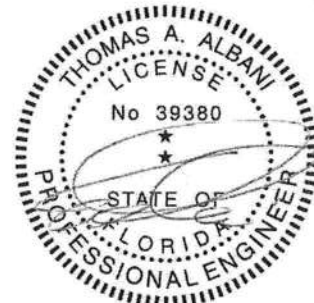


THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

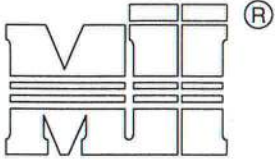
NOTES:

1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
4. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x ORIENTATION ONLY.
6. THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.



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NOTES:

1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN.)
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

 THIS DETAIL APPLICABLE TO THE
 THREE END DETAILS SHOWN BELOW

 VIEWS SHOWN ARE FOR
 ILLUSTRATION PURPOSES ONLY

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)						
	DIAM.	SP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

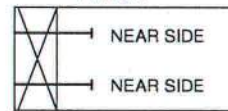
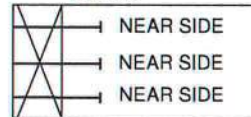
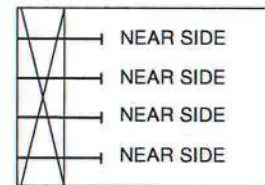
 VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
 APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

EXAMPLE:

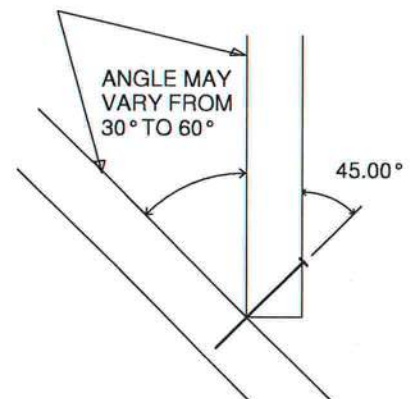
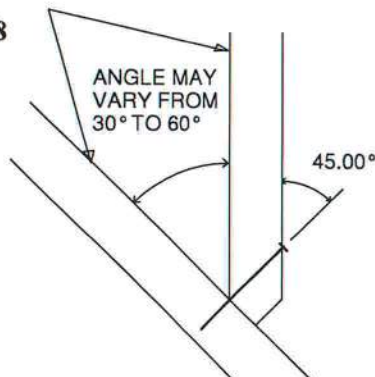
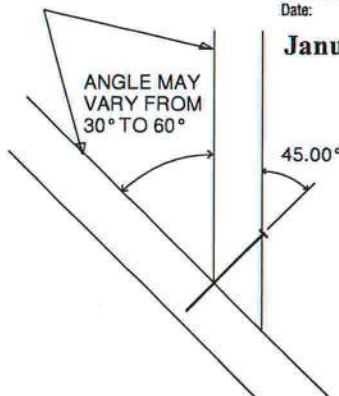
(3) - 16d (0.162" X 3.5") NAILS WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:

3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

 SIDE VIEW
 (2x3)
 2 NAILS

 SIDE VIEW
 (2x4)
 3 NAILS

 SIDE VIEW
 (2x6)
 4 NAILS

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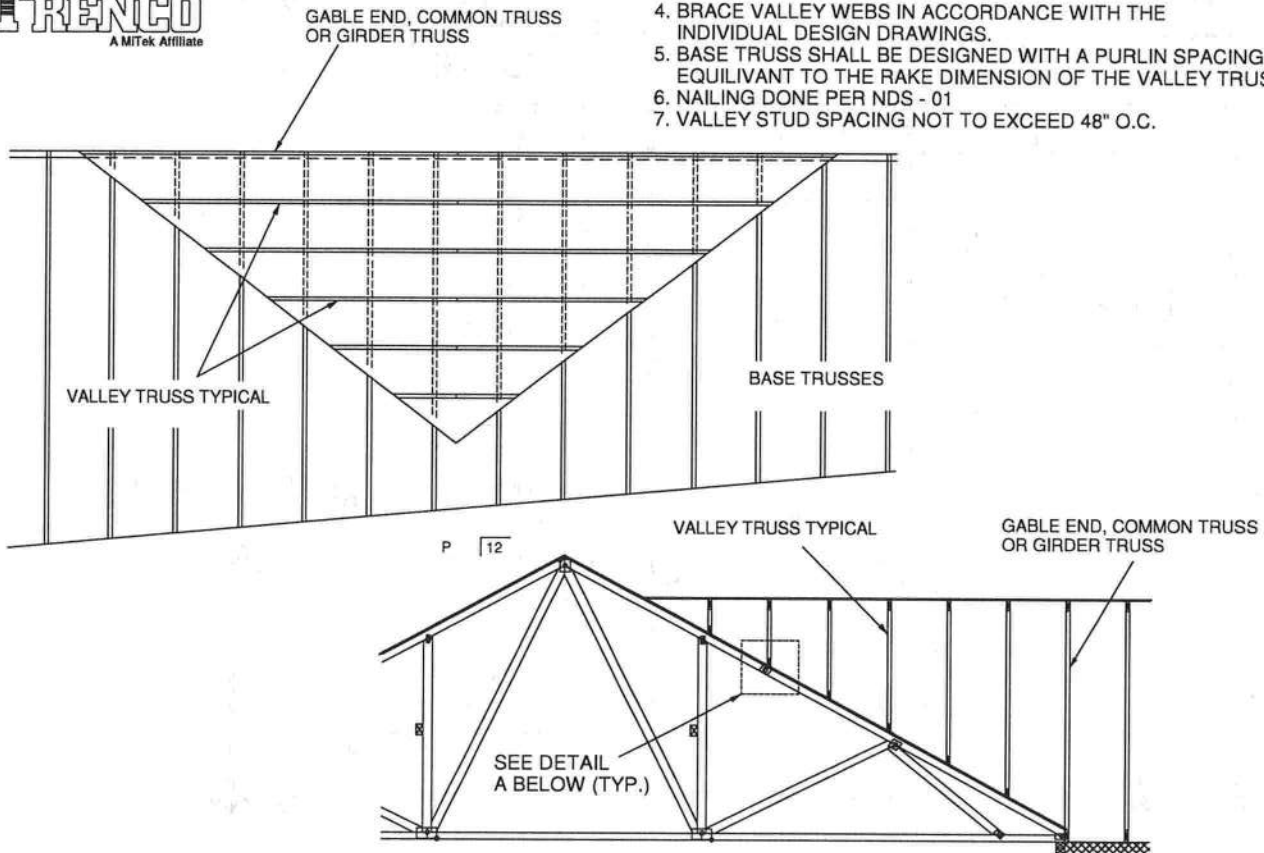
January 19, 2018



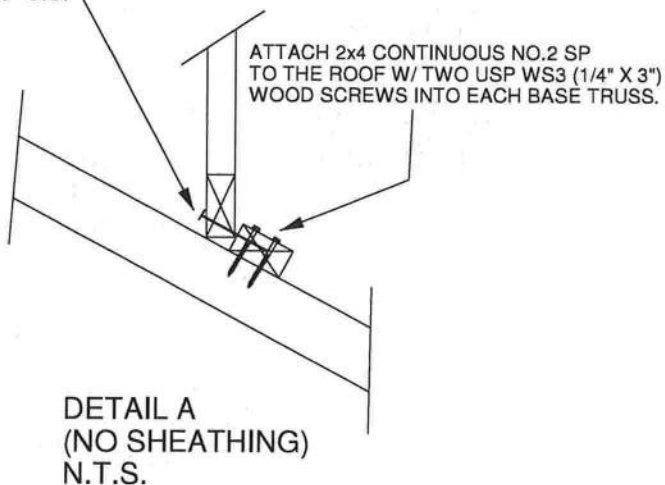


GENERAL SPECIFICATIONS

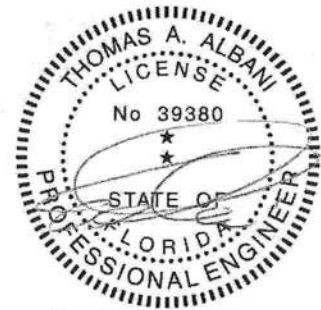
1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUIVALENT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.



SECURE VALLEY TRUSS
W/ ONE ROW OF 10d
NAILS 6" O.C.

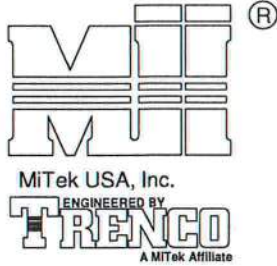


WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES



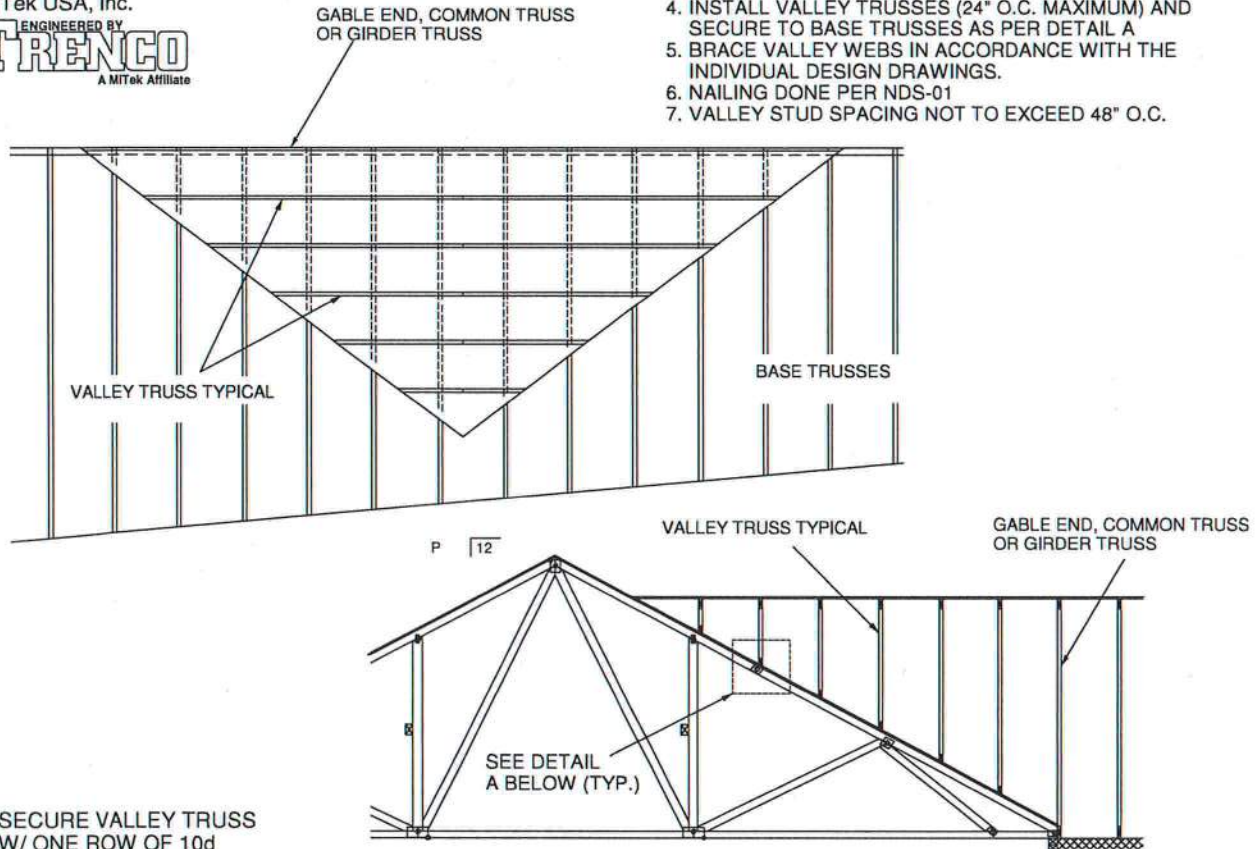
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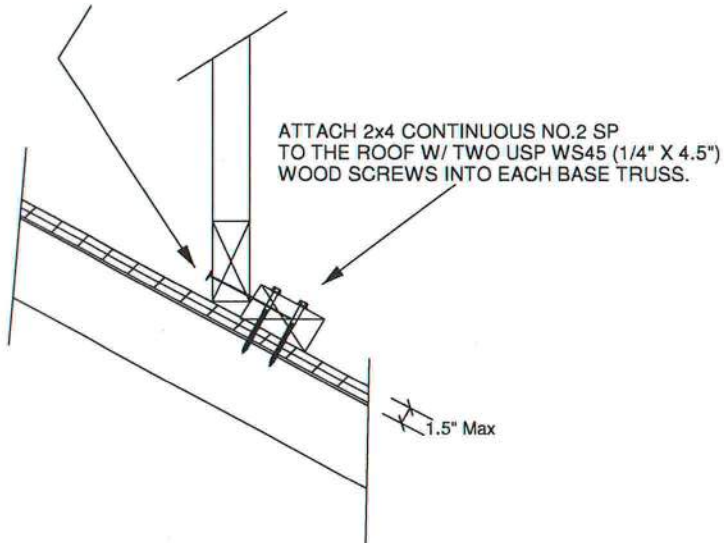


GENERAL SPECIFICATIONS

1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 4.5" WS45 USP OR EQUIVANT
3. INSTALL SHEATHING TO TOP CHORD OF BASE TRUSSES.
4. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE TO BASE TRUSSES AS PER DETAIL A
5. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
6. NAILING DONE PER NDS-01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.



SECURE VALLEY TRUSS
W/ ONE ROW OF 10d
NAILS 6" O.C.

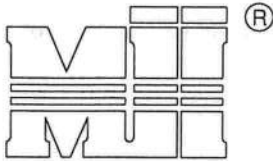


WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES



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February 12, 2018

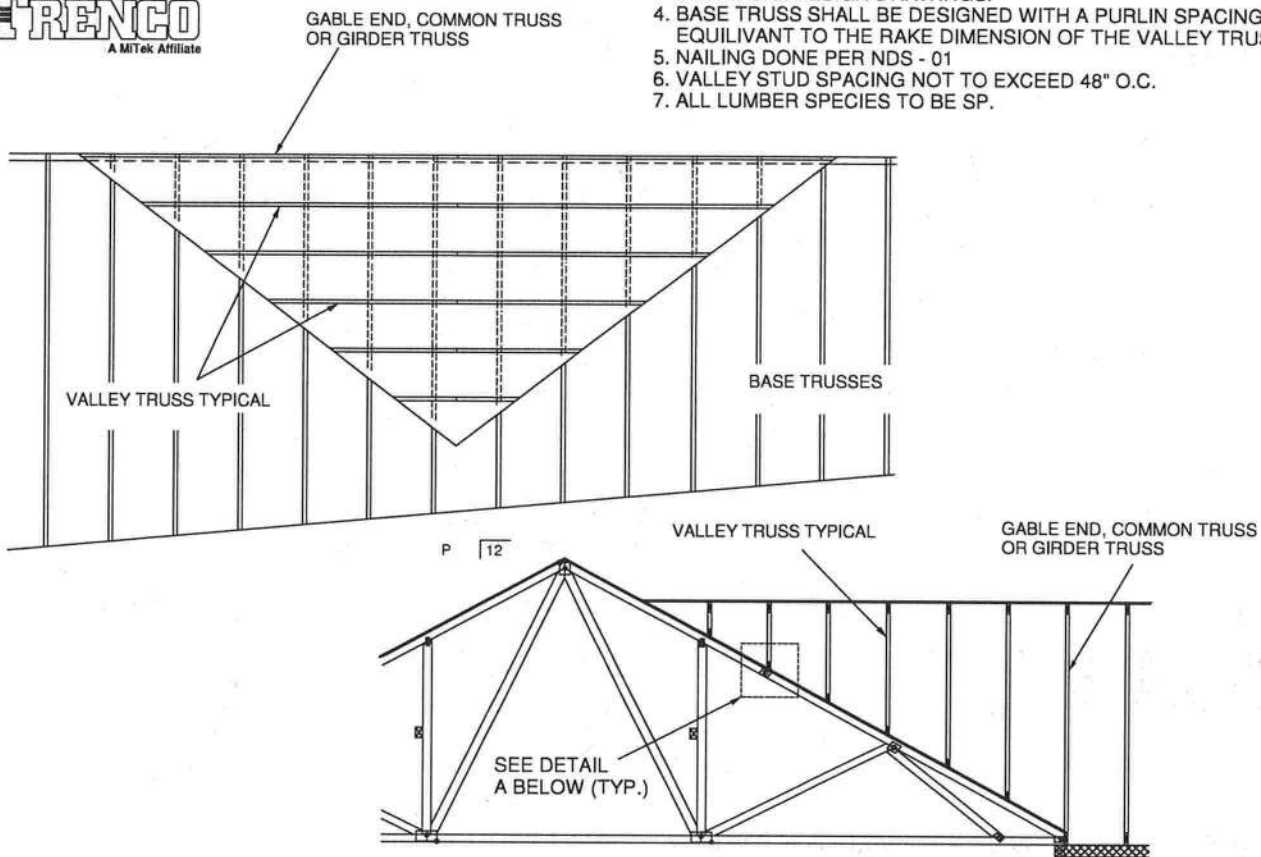
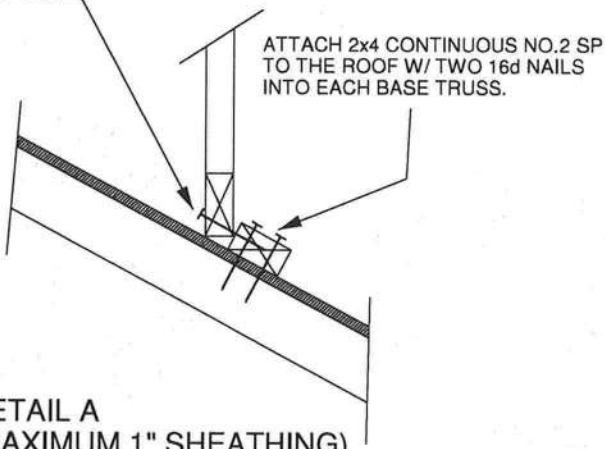


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GENERAL SPECIFICATIONS

1. NAIL SIZE 16d (0.131" X 3.5")
2. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
3. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
4. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUIVALENT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
5. NAILING DONE PER NDS - 01
6. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.
7. ALL LUMBER SPECIES TO BE SP.


 SECURE VALLEY TRUSS
 W/ ONE ROW OF 16d
 NAILS 6" O.C.

 DETAIL A
 (MAXIMUM 1" SHEATHING)
 N.T.S.

 WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 120 MPH
 WIND DESIGN PER ASCE 7-10 150 MPH
 MAX MEAN ROOF HEIGHT = 30 FEET
 ROOF PITCH = MINIMUM 3/12 MAXIMUM 10/12
 CATEGORY II BUILDING
 EXPOSURE C OR B
 WIND DURATION OF LOAD INCREASE : 1.60
 MAX TOP CHORD TOTAL LOAD = 60 PSF
 MAX SPACING = 24" O.C. (BASE AND VALLEY)
 MINIMUM REDUCED DEAD LOAD OF 4.2 PSF
 ON THE TRUSSES

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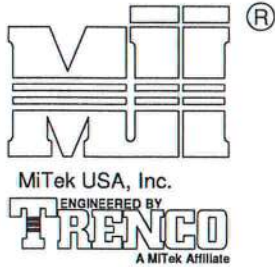
February 12, 2018

AUGUST 1, 2016

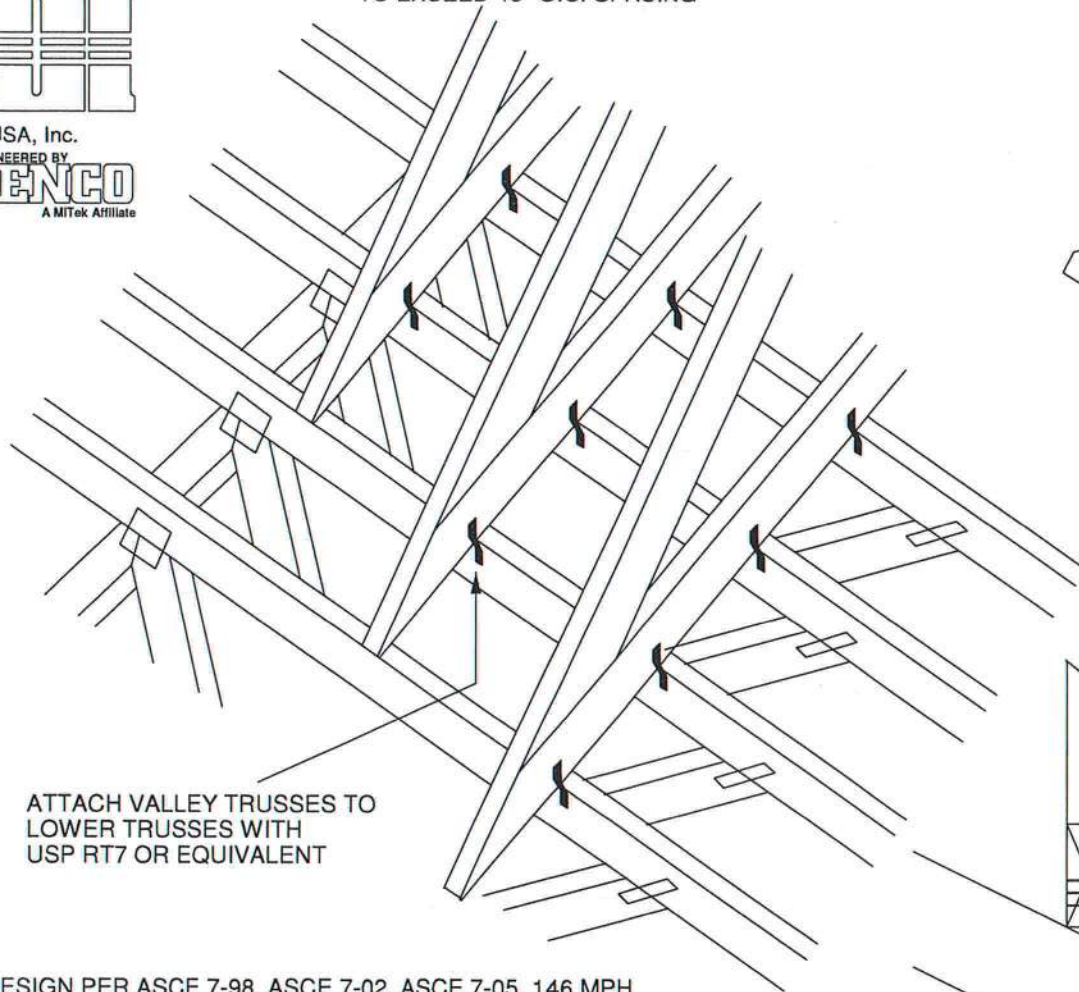
TRUSSED VALLEY SET DETAIL
(HIGH WIND VELOCITY)

MII-VALLEY

MiTek USA, Inc. Page 1 of 1



NOTE: VALLEY STUD SPACING NOT
TO EXCEED 48" O.C. SPACING



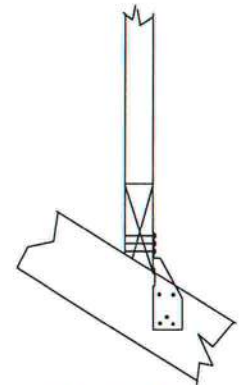
ATTACH VALLEY TRUSSES TO
LOWER TRUSSES WITH
USP RT7 OR EQUIVALENT

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
WIND DURATION OF LOAD INCREASE : 1.6
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)

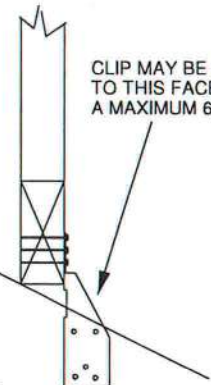
SUPPORTING TRUSSES DIRECTLY UNDER
VALLEY TRUSSES MUST BE DESIGNED
WITH A MAXIMUM UNBRACED LENGTH OF
2'-10" ON AFFECTED TOP CHORDS.

NOTES:

- SHEATHING APPLIED AFTER
INSTALLATION OF VALLEY TRUSSES
- THIS DETAIL IS NOT APPLICABLE FOR
SPF-S SPECIES LUMBER.

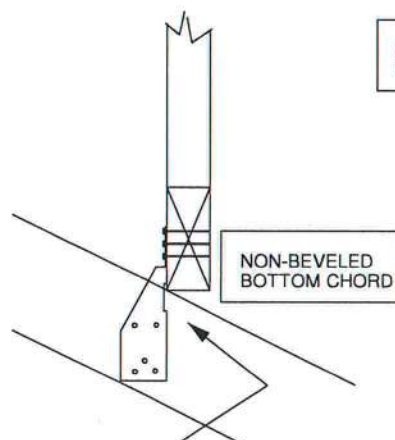


FOR BEVELED BOTTOM
CHORD, CLIP MAY BE
APPLIED TO EITHER FACE



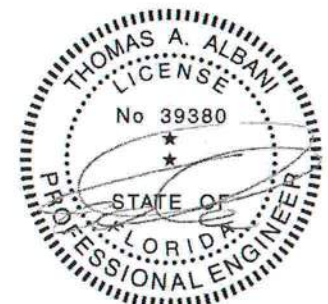
CLIP MAY BE APPLIED
TO THIS FACE UP TO
A MAXIMUM 6/12 PITCH

NON-BEVELED
BOTTOM CHORD



NON-BEVELED
BOTTOM CHORD

CLIP MUST BE APPLIED
TO THIS FACE WHEN
PITCH EXCEEDS 6/12.
(MAXIMUM 12/12 PITCH)



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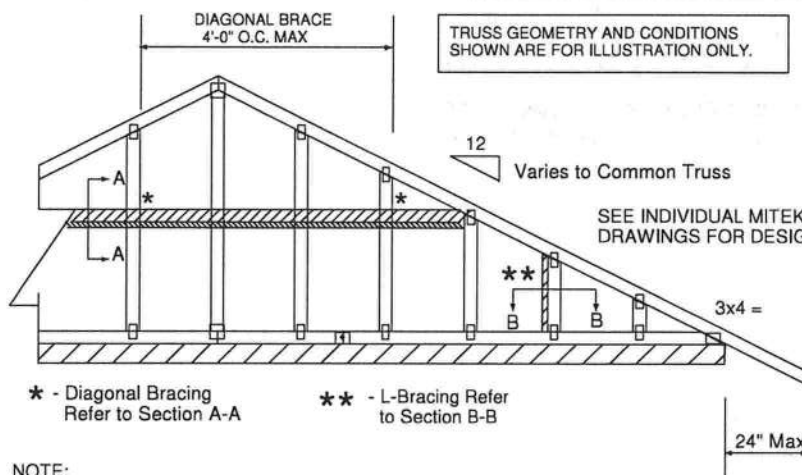
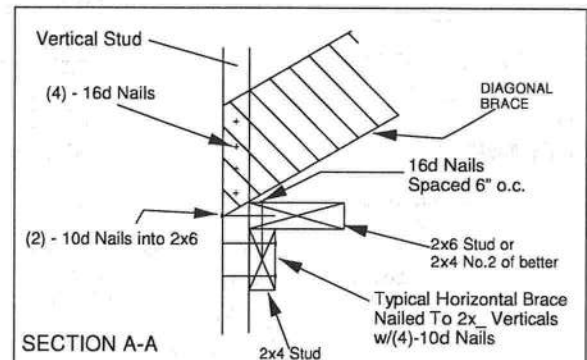
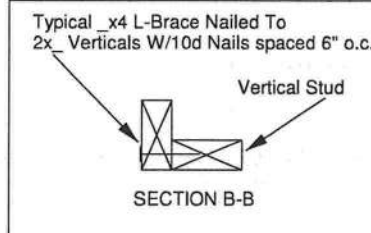
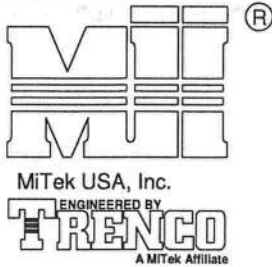
January 19, 2018

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Standard Gable End Detail

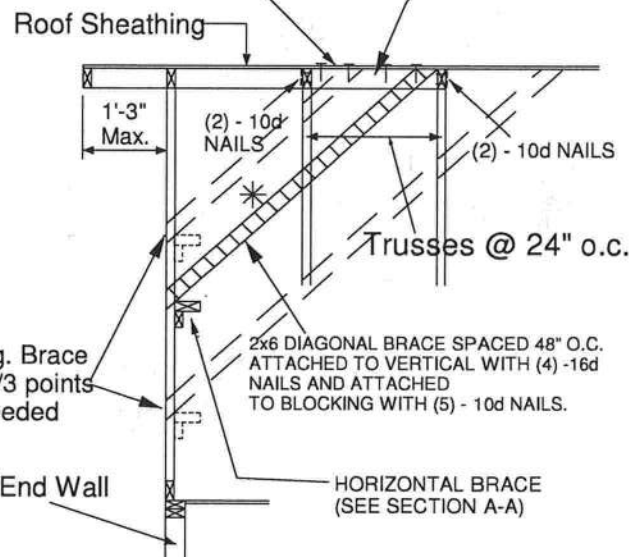
MII-GE146-001

MiTek USA, Inc. Page 1 of 2



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SP BLOCK



NOTE:

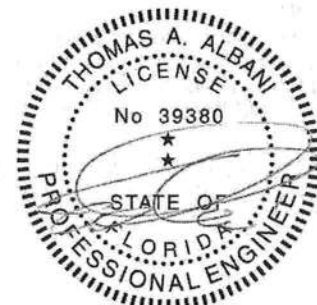
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 2x4 No 3/STUD SP OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No 3/Stud	12" O.C.	3-11-3	6-8-0	7-2-14	11-9-10
2x4 SP No 3/Stud	16" O.C.	3-6-14	5-9-5	7-1-13	10-8-11
2x4 SP No 3/Stud	24" O.C.	3-1-8	4-8-9	6-2-15	9-4-7

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

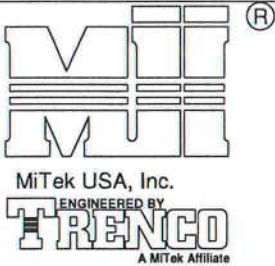
MAXIMUM WIND SPEED = 146 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



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January 19, 2018



TRUSS CRITERIA:

LOADING: 40-10-0-10

DURATION FACTOR: 1.15

SPACING: 24" O.C.

TOP CHORD: 2x4 OR 2x6

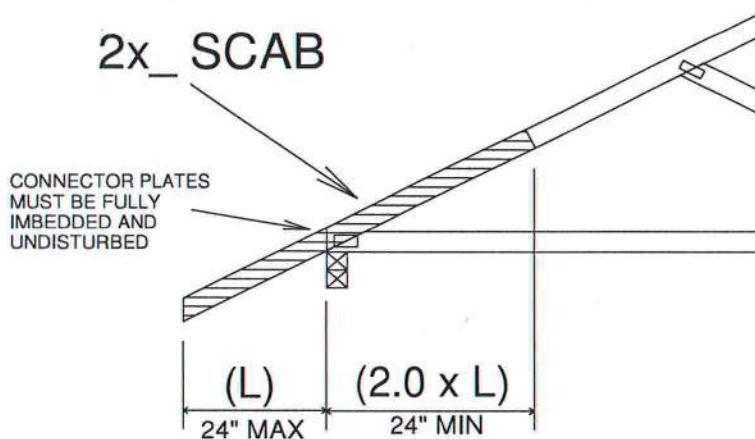
PITCH: 4/12 - 12/12

HEEL HEIGHT: STANDARD HEEL UP TO 12" ENERGY HEEL

END BEARING CONDITION

NOTES:

1. ATTACH 2x SCAB (MINIMUM NO.2 GRADE SPF, HF, SP, DF) TO ONE FACE OF TRUSS WITH TWO ROWS OF 10d (0.131" X 3") SPACED 6" O.C.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.

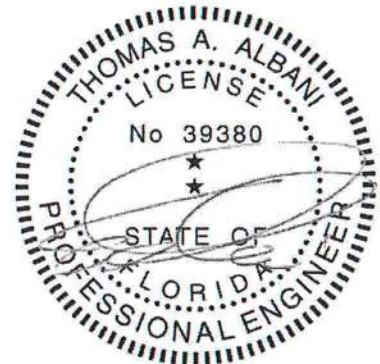


IMPORTANT

This detail to be used only with trusses (spans less than 40') spaced 24" o.c. maximum and having pitches between 4/12 and 12/12 and total top chord loads not exceeding 50 psf.

Trusses not fitting these criteria should be examined individually.

REFER TO INDIVIDUAL TRUSS DESIGN
FOR PLATE SIZES AND LUMBER GRADES



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February 12, 2018

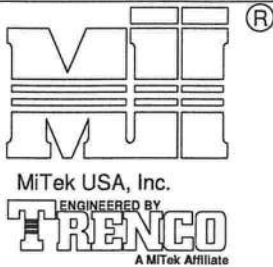
AUGUST 1, 2016

LATERAL BRACING RECOMMENDATIONS

MII-STRGBCK

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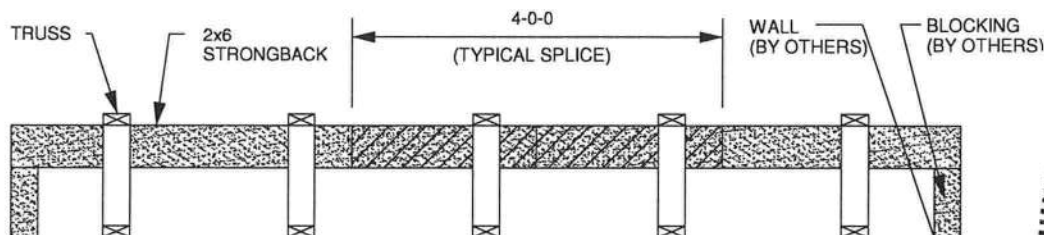
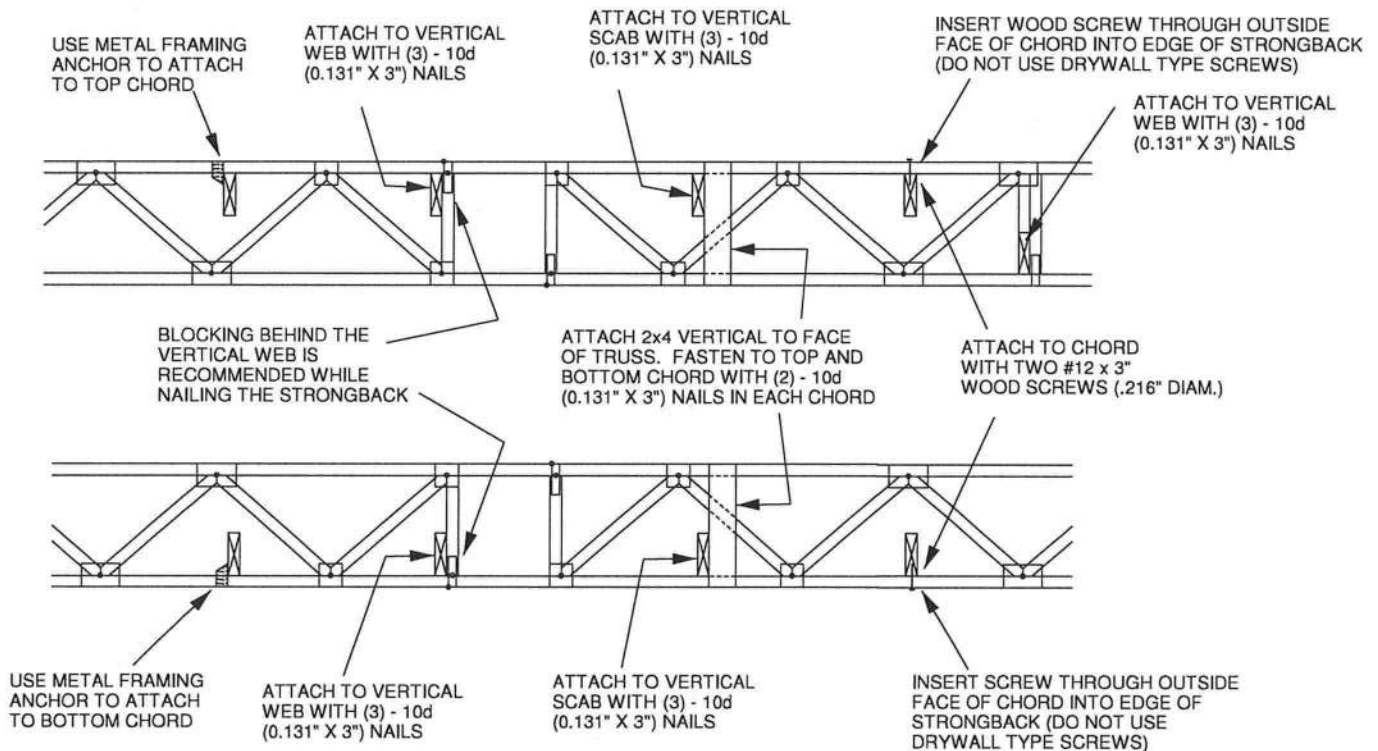
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TO MINIMIZE VIBRATION COMMON TO ALL SHALLOW FRAMING SYSTEMS, 2x6 "STRONGBACK" IS RECOMMENDED, LOCATED EVERY 8 TO 10 FEET ALONG A FLOOR TRUSS.

NOTE 1: 2X6 STRONGBACK ORIENTED VERTICALLY MAY BE POSITIONED DIRECTLY UNDER THE TOP CHORD OR DIRECTLY ABOVE THE BOTTOM CHORD. SECURELY FASTENED TO THE TRUSS USING ANY OF THE METHODS ILLUSTRATED BELOW.

NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.



THE STRONGBACKS SHALL BE SECURED AT THEIR ENDS TO ADEQUATE SUPPORT, DESIGNED BY OTHERS. IF SPLICING IS NECESSARY, USE A 4'-0" LONG SCAB CENTERED ON THE SPLICE AND JOINED WITH (12) - 10d (0.131" X 3") NAILS EQUALLY SPACED.

ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d (0.131" X 3") NAILS STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)



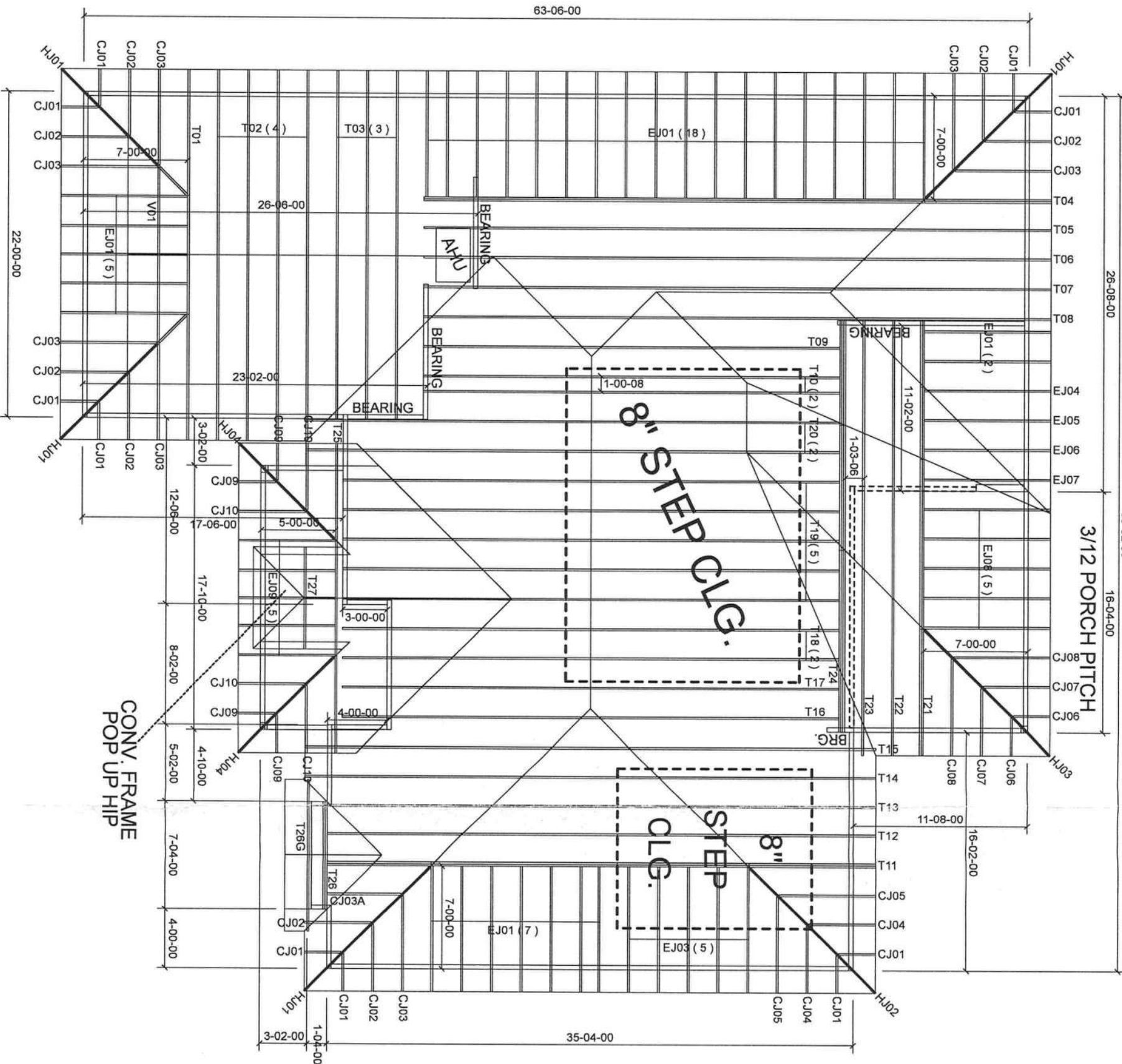
Thomas A. Albani PE No.39380
MITek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018

BEARING HEIGHT SCHEDULE

10' 1-1/8"

7/12 PITCH
18" O/H



NOTES:

- 1) REFER TO HB 91 (RECOMMENDATIONS FOR TRUSS INSTALLATION AND JOINT BRACING) REFER TO ENGINEERED DRAWINGS FOR TRUSS BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2 o.e. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) 5/16\"/>
- 7) BEAM/HEADER, ANTE, ROPS TO BE FINISHED BY BUILDER.



Jacksonville
Tampa
Freeport
PHONE: 850-835-4541 FAX: 850-835-6835

BUILDER:
AARON SIMQUE HOMES

LOT 19 THE PRESERVE

DATE: 2-18-19
PROJECT: KLH
1685796

MITEK PLATE APPROVAL #'s 2197.2 - 2197.4, WEYERHAUSER PRODUCT #'s 1630.2 - 1630.10

