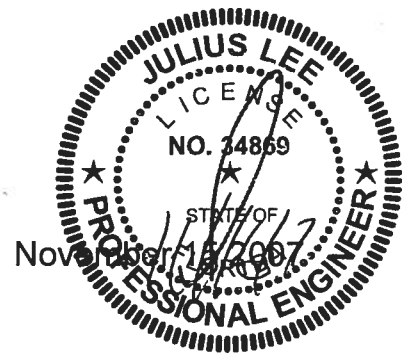




**Project Information for: L260931**  
 Builder: GIEBEIG HOMES  
 Lot : 15  
 Subdivision: CANNON CREEK PLACE  
 County: COLUMBIA  
 Truss Count: 27  
 Design Program: MiTek 20/20 6.3  
 Building Code: FBC2004/TPI2002



**Truss Design Load Information:**  
**Gravity: Wind:**

Roof (psf): 42.0                      Wind Standard: ASCE 7-02                      Wind Exposure: B  
 Floor (psf): N/A                      Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

**Contractor of Record, responsible for structural engineering:**

Brian T. Giebeig Florida Registered Residential Contractor License No. RR282811523  
 Address: Trent Giebeig Construction, Inc. 462 Southwest Fairlington Court Lake City, Florida 32025

**Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869**

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

**Notes:**

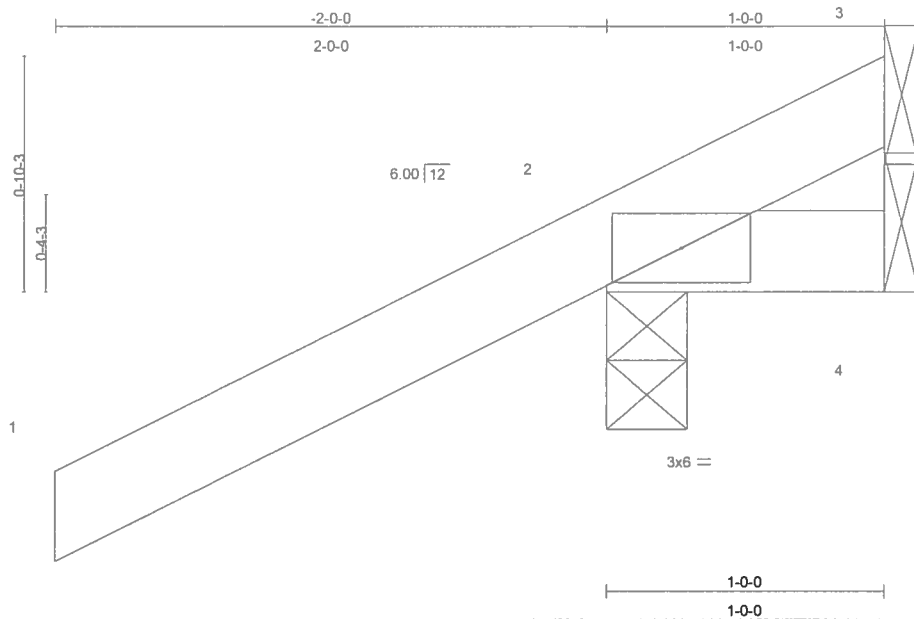
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elements in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1910459	CJ1	11/15/07
2	J1910460	CJ3	11/15/07
3	J1910461	CJ5	11/15/07
4	J1910462	EJ3	11/15/07
5	J1910463	EJ5	11/15/07
6	J1910464	EJ7	11/15/07
7	J1910465	HJ4	11/15/07
8	J1910466	HJ7	11/15/07
9	J1910467	HJ9	11/15/07
10	J1910468	T01GB	11/15/07
11	J1910469	T03	11/15/07
12	J1910470	T04	11/15/07
13	J1910471	T05	11/15/07
14	J1910472	T06	11/15/07
15	J1910473	T07	11/15/07
16	J1910474	T08	11/15/07
17	J1910475	T09	11/15/07
18	J1910476	T10	11/15/07
19	J1910477	T11	11/15/07
20	J1910478	T12	11/15/07
21	J1910479	T13	11/15/07
22	J1910480	T14	11/15/07
23	J1910481	T15	11/15/07
24	J1910482	T16	11/15/07
25	J1910483	T17	11/15/07
26	J1910484	T18	11/15/07
27	J1910485	T19	11/15/07

Jr5	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910459
L260931	CJ1	ROOF TRUSS	14	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:57 2007 Page 1



Scale: 1.5"=1'

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0	TC 0.28	Vert(LL)	-0.00	2	>999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.01	Vert(TL)	-0.00	2	>999		
BCLL 10.0	* Rep Stress Incr YES	WB 0.00	Horz(TL)	0.00	3	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 7 lb

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2

#### BRACING

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

**REACTIONS** (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical  
Max Horz 2=87(load case 6)  
Max Uplift 2=-286(load case 6), 4=-9(load case 4), 3=-90(load case 1)  
Max Grav 2=256(load case 1), 4=14(load case 2), 3=127(load case 6)

#### FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-69/75  
BOT CHORD 2-4=0/0

#### JOINT STRESS INDEX

2 = 0.14

#### NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

Continued on page 2

Structural Engineer  
Truss Design  
1000 Commercial Plaza Blvd  
Scottsdale, AZ 85258

November 15, 2007

#### Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Oonofrio Drive, Madison, WI 53719



Job L260931	Truss CJ1	Truss Type ROOF TRUSS	Qty 14	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910459 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:57 2007 Page 2

**LOAD CASE(S)** Standard

Justin Lane  
Truss Design Engineer  
6300 Enterprise Lane, Madison, WI 53719  
608.271.1111

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

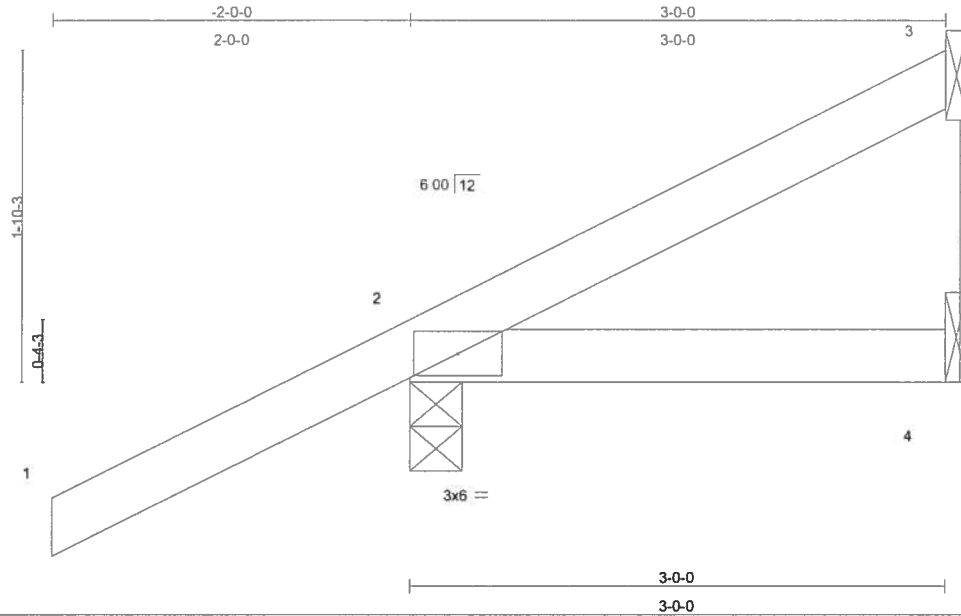
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910460
L260931	CJ3	ROOF TRUSS	10	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MITek Industries, Inc. Thu Nov 15 16:26:58 2007 Page 1



Scale = 1/12.5

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0 1.25	TC 0.29	Vert(LL)	-0.00 2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL)	-0.01 2-4	>999	240		
BCLL 10.0	* Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00 3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 13 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP 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=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical  
Max Horz 2=132(load case 6)  
Max Uplift 3=-28(load case 7), 2=-203(load case 6)  
Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-57/7  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**

2 = 0.13

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.
- Continued on page 2

Structural Design Engineer  
Professional Seal No. 00000000  
1150 Corporate Park Blvd  
Boynton Beach, FL 33426

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910460
L260931	CJ3	ROOF TRUSS	10	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:58 2007 Page 2

**LOAD CASE(S)** Standard

Julius Law  
Truss Design Engineer  
FirstSource, Lake City, FL 32055  
1100 Cannon Creek Pl  
Gibberg, FL 32055

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

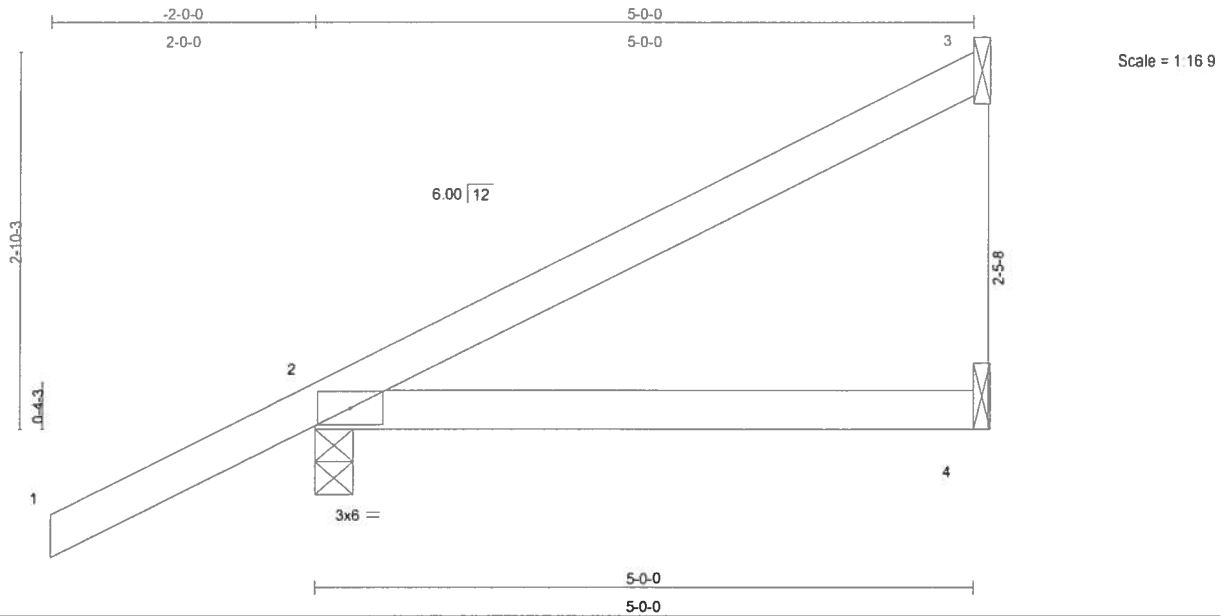
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910461
L260931	CJ5	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:58 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP 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=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical  
Max Horz 2=178(load case 6)  
Max Uplift 3=-87(load case 6), 2=-199(load case 6)  
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-88/36  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**

2 = 0.14

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.
- Continued on page 2

Structural Design Engineer  
Truss Design Engineer  
November 15, 2007  
1100 Central Expressway  
Madison, WI 53719

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910461
L260931	CJ5	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:58 2007 Page 2

**LOAD CASE(S)** Standard

Julius Lew  
 Truss Design Engineer  
 Builders FirstSource  
 1170 Central Expressway  
 Canton, MS 39046

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

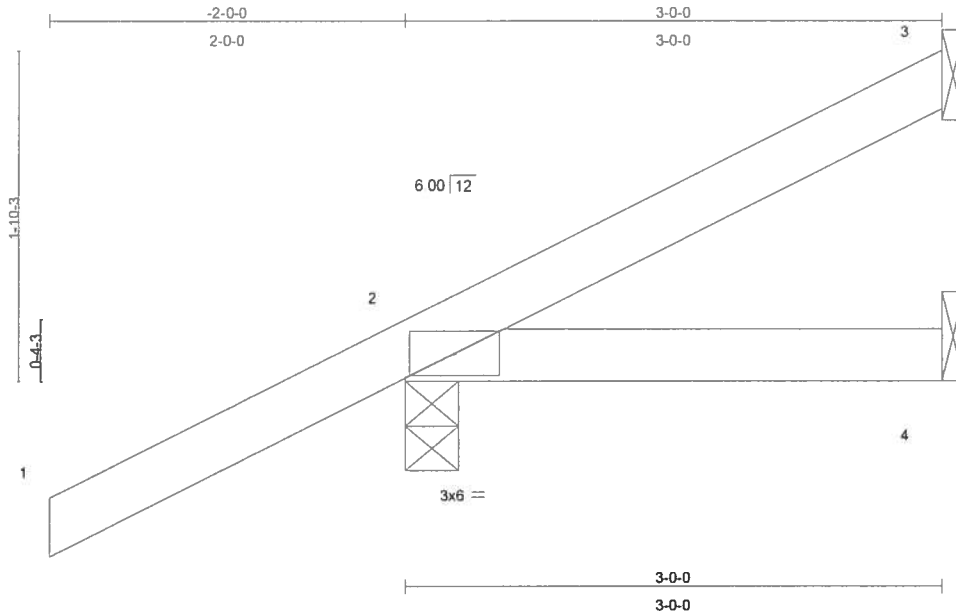
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910462
L260931	EJ3	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:59 2007 Page 1



Scale = 1/12.5

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP 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=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical  
Max Horz 2=132(load case 6)  
Max Uplift 3=-28(load case 7), 2=-238(load case 6), 4=-27(load case 4)  
Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

#### FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-57/7  
BOT CHORD 2-4=0/0

#### JOINT STRESS INDEX

2 = 0.13

#### NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

Continued on page 2

Structural Engineer  
Truss Design Engineer  
Printed on: 11/15/07 10:28:29 AM  
1100 Commercial Park Blvd  
Madison, WI 53719

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910462
L260931	EJ3	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:26:59 2007 Page 2

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
Truss Plate No. 2-0000  
1100 Coastal Bay Blvd  
Boynton Beach, FL 33426

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

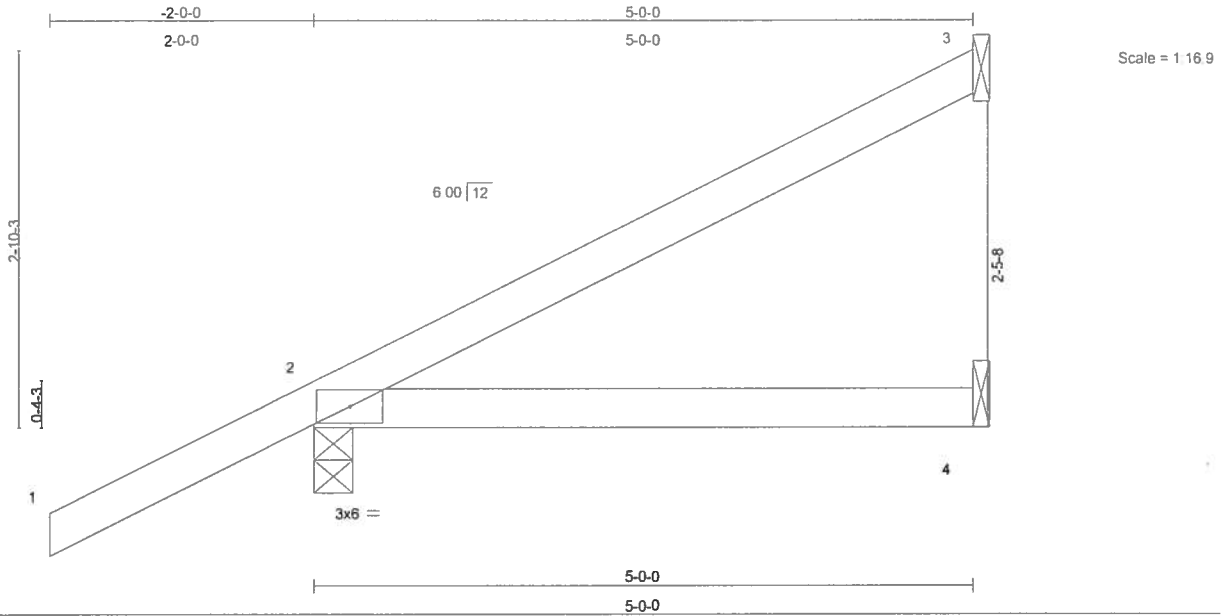
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910463
L260931	EJ5	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:00 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	-0.03	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP 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=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical  
Max Horz 2=178(load case 6)  
Max Uplift 3=-87(load case 6), 2=-199(load case 6)  
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-88/36  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**

2 = 0.14

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.
- Continued on page 2

System Design Engineer  
Truss Design Engineer  
Printed on 11/15/07 10:58 AM  
1100 Enterprise Lane, Madison, WI 53719  
608.271.1100

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910463
L260931	EJ5	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:00 2007 Page 2

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
1110 Coastal Way Blvd  
Lakeland, FL 33805

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910464
L260931	EJ7	ROOF TRUSS	21	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:00 2007 Page 1

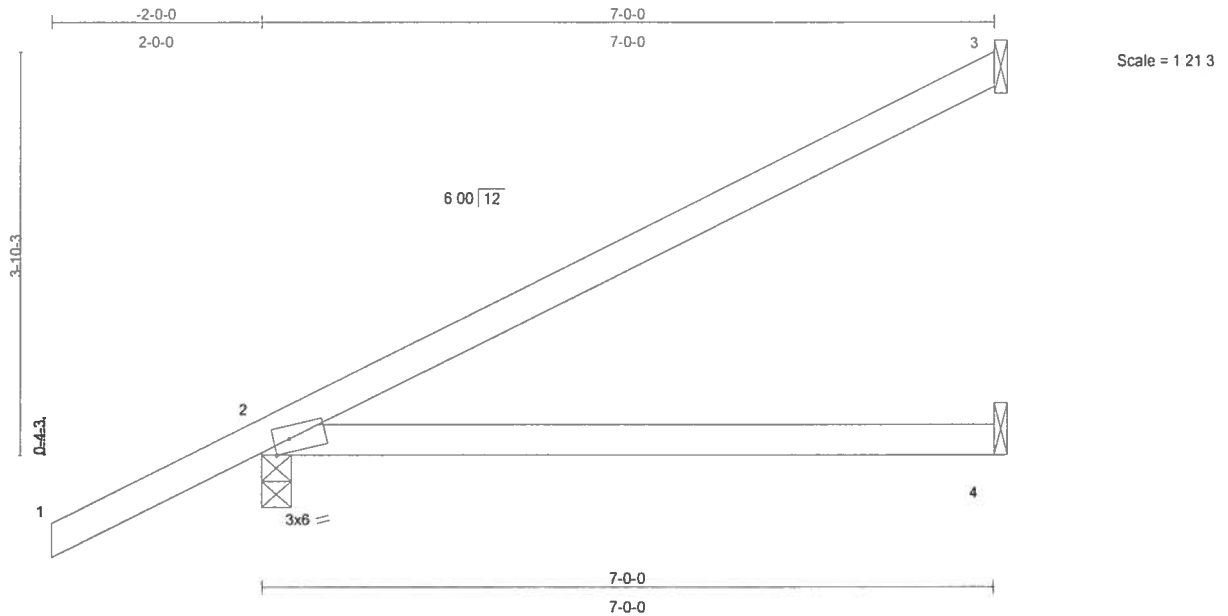


Plate Offsets (X,Y): [2:0-1-12,Edge]

LOADING (psf)	SPACING		CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	2-0-0	TC 0.48	Vert(LL) -0.08	2-4	>999	360		MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.28	Vert(TL) -0.16	2-4	>501	240			
BCLL 10.0	* Rep Stress Incr YES		WB 0.00	Horz(TL) -0.00	3	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP 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=154/Mechanical, 2=352/0-3-8, 4=45/Mechanical

Max Horz 2=161(load case 6)  
Max Uplift 3=-84(load case 6), 2=-139(load case 6)  
Max Grav 3=154(load case 1), 2=352(load case 1), 4=94(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-119/54  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**

2 = 0.77

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 3 and 139 lb uplift at joint 2.

Structural Design Engineer  
Truss Design No. 2600  
1100 Central Express Blvd  
Lakeland, FL 33809

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910464
L260931	EJ7	ROOF TRUSS	21	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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**LOAD CASE(S)** Standard

Julius Law  
Truss Design Engineer  
Florida PE No. 3-8888  
1400 Cannon Creek Blvd  
Weynton, FL 32092

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

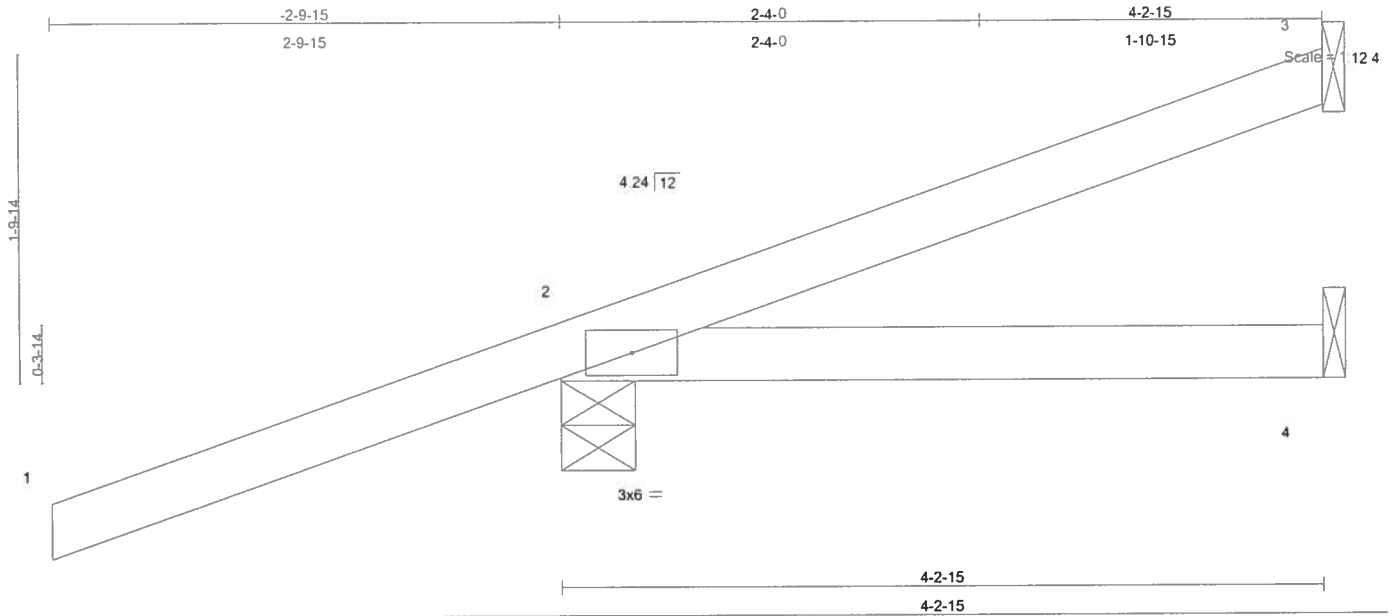
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910465
L260931	HJ4	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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<b>LOADING</b> (psf)	<b>SPACING</b>	2-0-0	<b>CSI</b>	<b>DEFL</b>	in	(loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase	1.25	TC 0.53	Vert(LL)	0.02	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.10	Vert(TL)	-0.02	2-4	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 18 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS**

(lb/size) 3=15/Mechanical, 2=275/0-4-15, 4=14/Mechanical  
Max Horz 2=98(load case 3)  
Max Uplift 3=-6(load case 6), 2=-302(load case 3), 4=-41(load case 3)  
Max Grav 3=32(load case 7), 2=275(load case 1), 4=54(load case 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-37/10  
BOT CHORD 2-4=0/0

**JOINT STRESS INDEX**

2 = 0.11

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3, 302 lb uplift at joint 2 and 41 lb uplift at joint 4.

Julius Lee  
Truss Design Engineer  
FirstSource, P.O. Box 2000  
1000 Enterprise Lane, Madison, WI 53719  
608.271.1111

November 15, 2007

Continued on page 2

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910465
L260931	HJ4	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:01 2007 Page 2

**NOTES**

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-57(F=-2, B=-2), 2=-0(F=5, B=5)-to-4=-11(F=-0, B=-0)

Julius Lee  
Truss Design Engineer  
Florida PE No. 34868  
1400 Cassel Bay Blvd  
Lakewood Beach, FL 33408

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

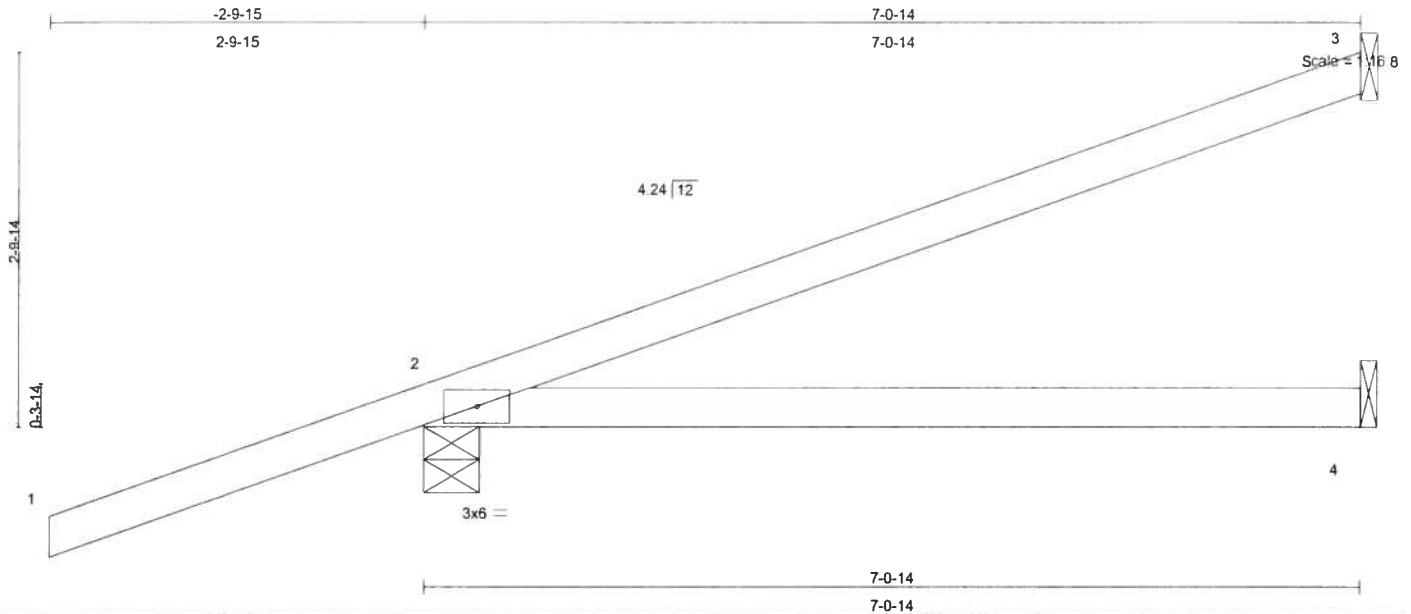
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910466
L260931	HJ7	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.53	Vert(LL)	-0.08	2-4	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.28	Vert(TL)	-0.14	2-4	>596	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2

#### BRACING

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

**REACTIONS** (lb/size) 3=185/Mechanical, 2=335/0-4-15, 4=38/Mechanical  
Max Horz 2=167(load case 3)  
Max Uplift 3=-145(load case 3), 2=-248(load case 3)  
Max Grav 3=185(load case 1), 2=335(load case 1), 4=97(load case 2)

#### FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-68/43  
BOT CHORD 2-4=0/0

#### JOINT STRESS INDEX

2 = 0.44

#### NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 3 and 248 lb uplift at joint 2.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

Truss Design Engineer  
Truss Plate Institute  
1800 Enterprise Lane, Madison, WI 53719

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910466
L260931	HJ7	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:01 2007 Page 2

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-95(F=-21, B=-21), 2=-0(F=5, B=5)-to-4=-18(F=-4, B=-4)

Justin Lee  
Truss Design Engineer  
6300 Enterprise Lane, Madison, WI 53719  
3100 Central Expressway  
Dayton, OH 45424

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

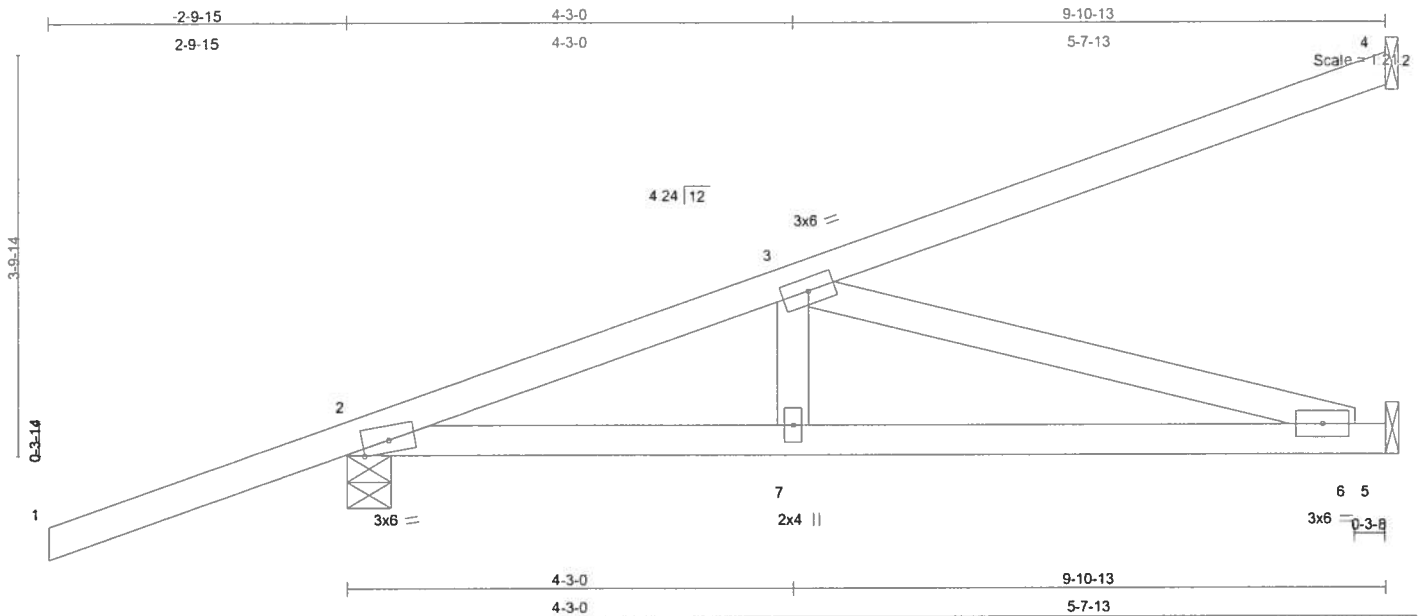
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910467
L260931	HJ9	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MITek Industries, Inc. Thu Nov 15 16:27:02 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.60	Vert(LL)	-0.04	6-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.40	Vert(TL)	-0.11	6-7	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.36	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP 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**

(lb/size) 4=267/Mechanical, 2=453/0-4-15, 5=220/Mechanical  
 Max Horz 2=269(load case 3)  
 Max Uplift 4=-231(load case 3), 2=-278(load case 3), 5=-63(load case 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-650/121, 3-4=-105/65  
 BOT CHORD 2-7=-309/603, 6-7=-309/603, 5-6=0/0  
 WEBS 3-7=0/186, 3-6=-627/322

**JOINT STRESS INDEX**

2 = 0.76, 3 = 0.16, 6 = 0.17 and 7 = 0.13

**NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 278 lb uplift at joint 2 and 63 lb uplift at joint 5.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Continued on page 2

Julius Law  
 Truss Design Engineer  
 1100 Central Expressway  
 Madison, WI 53719

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910467
L260931	HJ9	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)

John Law  
Truss Design Engineer  
Truss Plate Institute  
1170 Central Expressway  
Oconomowoc, WI 53099

November 15, 2007

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Job L260931	Truss T01GB	Truss Type GABLE	Qty 1	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910468
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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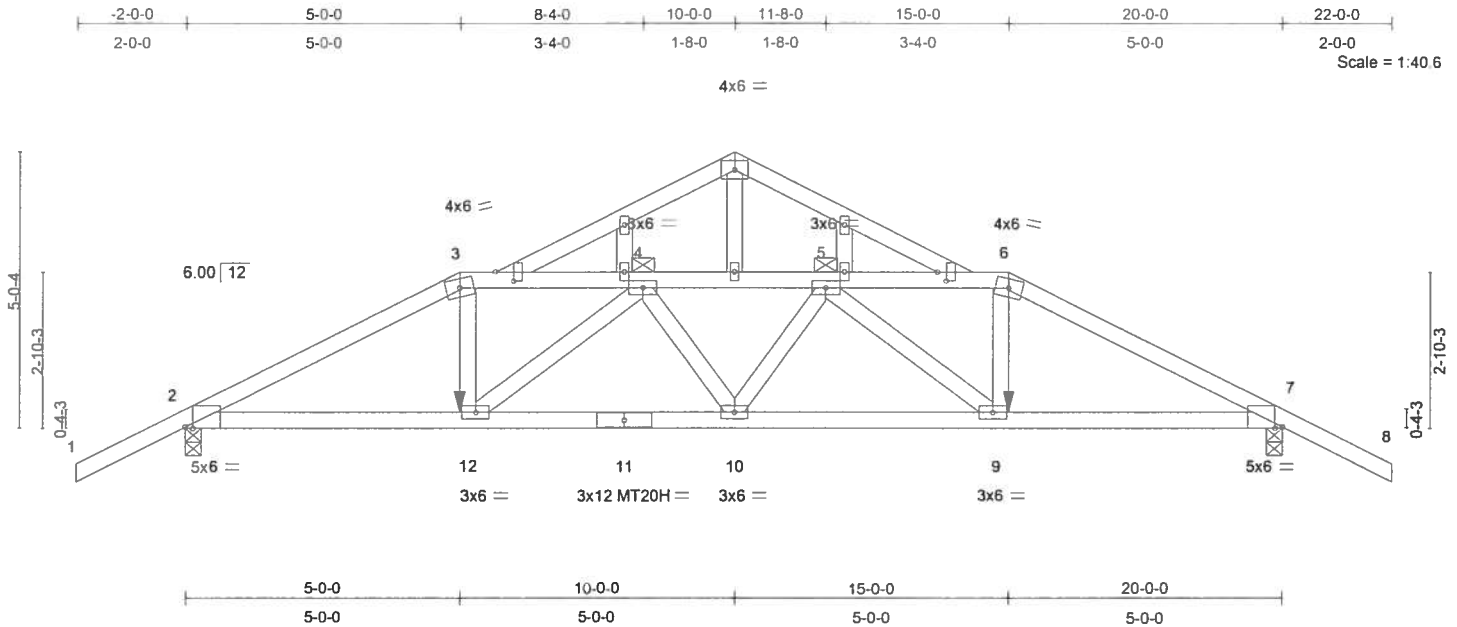


Plate Offsets (X,Y): [2:0-1-10,Edge], [7:0-1-10,Edge], [13:0-2-0,0-3-15], [15:0-2-0,0-1-15]									
<b>LOADING</b> (psf)	<b>SPACING</b>	2-0-0	<b>CSI</b>	<b>DEFL</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase	1.25	TC 0.66	Vert(LL)	0.18 10	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.71	Vert(TL)	-0.27 10-12	>881	240	MT20H	187/143
BCLL 10.0	Rep Stress Incr	NO	WB 0.34	Horz(TL)	0.10 7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 115 lb

**LUMBER**  
TOP CHORD 2 X 4 SYP No.2  
BOT CHORD 2 X 4 SYP No.2  
WEBS 2 X 4 SYP No.3  
OTHERS 2 X 4 SYP No.3

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins. Except: 2 Rows at 1/3 pts 3-6  
BOT CHORD Rigid ceiling directly applied or 4-7-5 oc bracing.

**REACTIONS** (lb/size) 2=1584/0-3-8, 7=1584/0-3-8  
Max Horz 2=-73(load case 7)  
Max Uplift 2=-884(load case 6), 7=-884(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/47, 2-3=-2873/1690, 3-4=-2543/1575, 4-5=-3371/2063, 5-6=-2543/1575, 6-7=-2873/1690, 7-8=0/47  
BOT CHORD 2-12=-1339/2491, 11-12=-1868/3341, 10-11=-1868/3341, 9-10=-1868/3341, 7-9=-1339/2491  
WEBS 3-12=-491/920, 4-12=-1082/646, 4-10=0/107, 5-10=0/107, 5-9=-1082/646, 6-9=-491/920

**JOINT STRESS INDEX**  
2 = 0.72, 3 = 0.66, 4 = 0.41, 4 = 0.34, 5 = 0.41, 5 = 0.34, 6 = 0.66, 7 = 0.72, 9 = 0.60, 10 = 0.41, 11 = 0.75, 12 = 0.60, 13 = 0.34, 14 = 0.25, 15 = 0.34, 16 = 0.34, 17 = 0.34 and 18 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"

John L. Lane  
Truss Design Engineer  
MiTek Industries, Inc.  
1300 Enterprise Lane, Madison, WI 53719  
(608) 271-1000

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910468
L260931	T01GB	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 15 17:00:09 2007 Page 2

**NOTES**

- 4) Provide adequate drainage to prevent water ponding.
- 5) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) All plates are 2x4 MT20 unless otherwise indicated.
- 8) Gable studs spaced at 2-0-0 oc.
- 9) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 884 lb uplift at joint 2 and 884 lb uplift at joint 7.
- 11) Girder carries hip end with 5-0-0 end setback.
- 12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
- 13) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S) Standard**

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
  - Uniform Loads (plf)
    - Vert: 1-3=-54, 3-6=-178(F=-124), 6-8=-54, 2-12=-10, 9-12=-17(F=-7), 7-9=-10
  - Concentrated Loads (lb)
    - Vert: 12=-187(F) 9=-187(F)

Julius Lee  
Truss Design Engineer  
6300 Enterprise Lane, Madison, WI 53719  
1100 Chestnut Bay Blvd  
Boynton Beach, FL 33426

November 15,2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

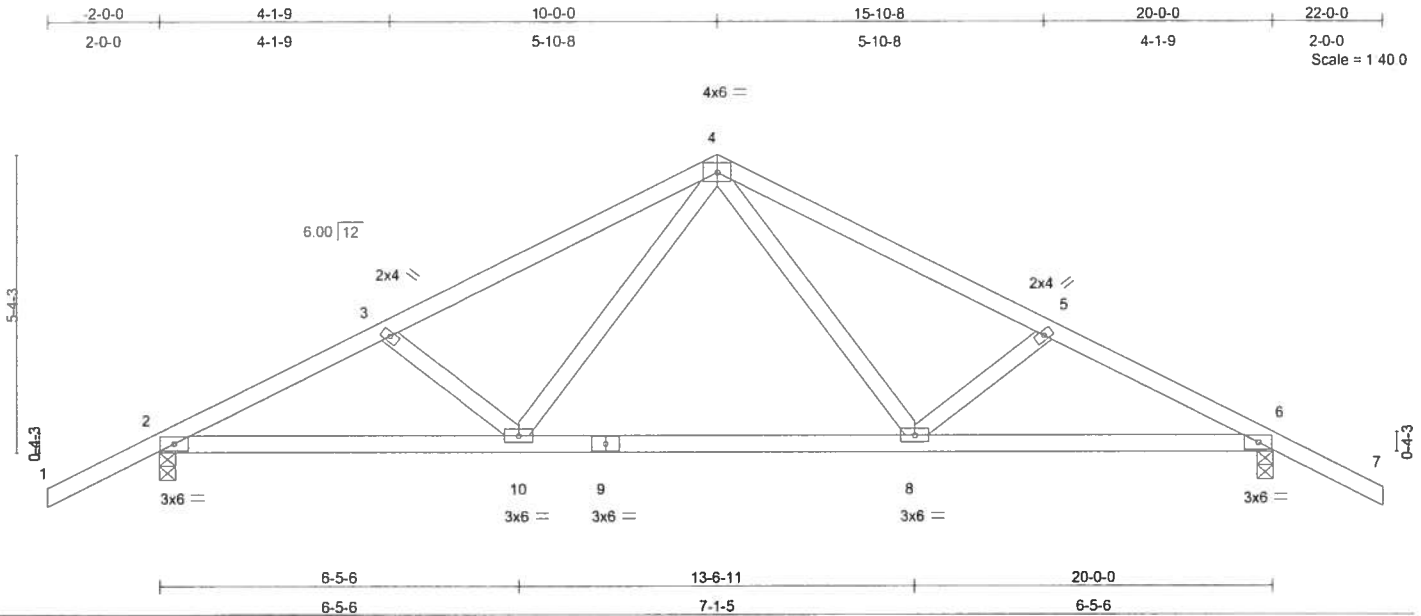
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910469
L260931	T03	ROOF TRUSS	7	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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<b>LOADING (psf)</b>	<b>SPACING</b>	2-0-0	<b>CSI</b>	<b>DEFL</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>	
TCLL 20.0	Plates Increase	1.25	TC 0.36	Vert(LL)	0.24	8-10	>989	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.66	Vert(TL)	-0.37	8-10	>640	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.18	Horz(TL)	0.04	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 97 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 7-9-10 oc bracing.

**REACTIONS (lb/size)** 2=960/0-3-8, 6=960/0-3-8  
 Max Horz 2=-95(load case 7)  
 Max Uplift 2=-292(load case 6), 6=-292(load case 7)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
 TOP CHORD 1-2=0/47, 2-3=-1609/870, 3-4=-1438/813, 4-5=-1438/813, 5-6=-1609/870, 6-7=0/47  
 BOT CHORD 2-10=-621/1374, 9-10=-316/925, 8-9=-316/925, 6-8=-621/1374  
 WEBS 3-10=-216/200, 4-10=-263/547, 4-8=-263/547, 5-8=-216/200

**JOINT STRESS INDEX**  
 2 = 0.69, 3 = 0.33, 4 = 0.82, 5 = 0.33, 6 = 0.69, 8 = 0.40, 9 = 0.53 and 10 = 0.40

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 2 and 292 lb uplift at joint 6.
- Continued on page 2

Justin Lee  
 Truss Layout Engineer  
 11/15/07 10:58 AM  
 11/15/07 10:58 AM  
 11/15/07 10:58 AM

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910469
L260931	T03	ROOF TRUSS	7	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:04 2007 Page 2

**NOTES**

6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 2-10=-10, 8-10=-70(F=-60), 6-8=-10

Justin Lee  
Truss Design Engineer  
6300 Enterprise Lane, P.O. Box 1199  
Madison, WI 53719  
608.271.1199

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910470
L260931	T04	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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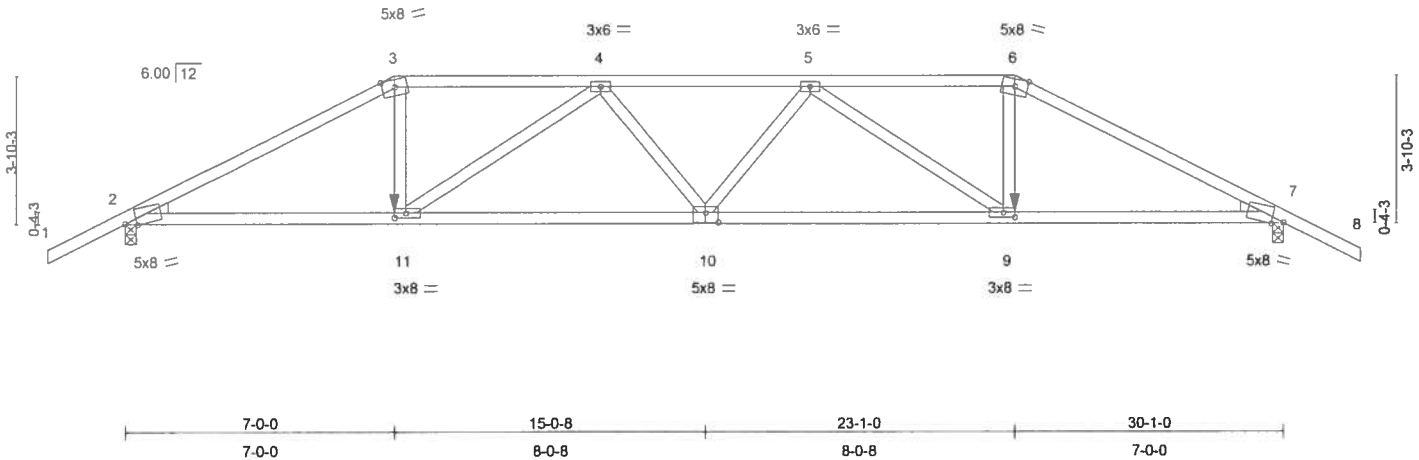
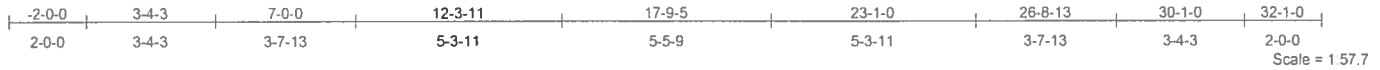


Plate Offsets (X,Y): [2:0-3-13,Edge], [7:0-3-13,Edge], [9:0-3-8,0-1-8], [10:0-4-0,0-3-0], [11:0-3-8,0-1-8]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	2-0-0	TC 0.61	Vert(LL) -0.31	10	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.99	Vert(TL) -0.63	10-11	>565	240		
BCLL 10.0	* Rep Stress Incr NO		WB 0.97	Horz(TL) 0.20	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 141 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3  
 WEDGE  
 Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 2-6-7 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-2-2 oc bracing.

**REACTIONS**

(lb/size) 2=2084/0-3-8, 7=2084/0-3-8  
 Max Horz 2=-77(load case 6)  
 Max Uplift 2=-660(load case 5), 7=-660(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-3937/1255, 3-4=-3479/1162, 4-5=-4602/1496, 5-6=-3479/1162, 6-7=-3937/1255, 7-8=0/47  
 BOT CHORD 2-11=-1083/3426, 10-11=-1482/4531, 9-10=-1464/4531, 7-9=-1049/3426  
 WEBS 3-11=-388/1308, 4-11=-1374/541, 4-10=0/216, 5-10=0/216, 5-9=-1374/541, 6-9=-388/1308

**JOINT STRESS INDEX**

2 = 0.83, 3 = 0.71, 4 = 0.39, 5 = 0.39, 6 = 0.71, 7 = 0.83, 9 = 0.82, 10 = 0.96 and 11 = 0.82

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.

Julius Lee  
 Truss Design Engineer  
 Builders FirstSource  
 1000 Enterprise Lane, Madison, WI 53719  
 608.271.1111

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910470
L260931	T04	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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#### NOTES

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 660 lb uplift at joint 2 and 660 lb uplift at joint 7.
- 7) Girder carries hip end with 7-0-0 end setback.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-118(F=-64), 6-8=-54, 2-11=-10, 9-11=-22(F=-12), 7-9=-10

Concentrated Loads (lb)

Vert: 11=-411(F) 9=-411(F)

John Lee  
Truss Design Engineer  
Builders FirstSource  
1100 Central Way Blvd  
Doylerstown, PA 17035

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910471
L260931	T05	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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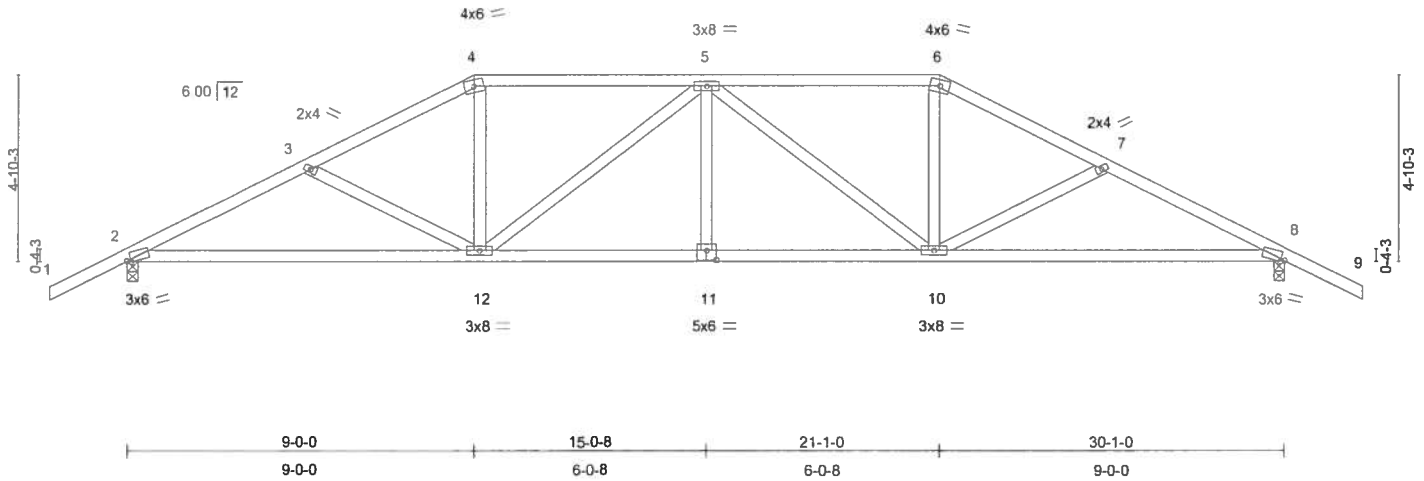


Plate Offsets (X,Y): [2:0-1-5,0-0-7], [8:0-1-5,0-0-7], [11:0-3-0,0-3-0]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	2-0-0	TC 0.31	Vert(LL) -0.15	2-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.52	Vert(TL) -0.29	2-12	>999	240		
BCLL 10.0	* Rep Stress Incr YES		WB 0.38	Horz(TL) 0.08	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 154 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-8-4 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 7-8-15 oc bracing.

**REACTIONS**

(lb/size) 2=1069/0-3-8, 8=1069/0-3-8  
 Max Horz 2=89(load case 6)  
 Max Uplift 2=-267(load case 6), 8=-267(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1745/913, 3-4=-1515/815, 4-5=-1325/788, 5-6=-1325/788,  
 6-7=-1515/815, 7-8=-1745/913, 8-9=0/47  
 BOT CHORD 2-12=-649/1494, 11-12=-617/1570, 10-11=-617/1570, 8-10=-650/1494  
 WEBS 3-12=-208/198, 4-12=-138/397, 5-12=-401/176, 5-11=0/128, 5-10=-401/176,  
 6-10=-138/397, 7-10=-208/198

**JOINT STRESS INDEX**

2 = 0.82, 3 = 0.33, 4 = 0.60, 5 = 0.56, 6 = 0.60, 7 = 0.33, 8 = 0.82, 10 = 0.56, 11 = 0.37 and 12 = 0.56

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.

Continued on page 2

November 15,2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910471
L260931	T05	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:06 2007 Page 2

#### NOTES

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 2 and 267 lb uplift at joint 8.

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
Florida PE No. 31889  
1100 Coastal Bay Blvd  
Dayton Beach, FL 32115

November 15,2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910472
L260931	T06	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:07 2007 Page 1

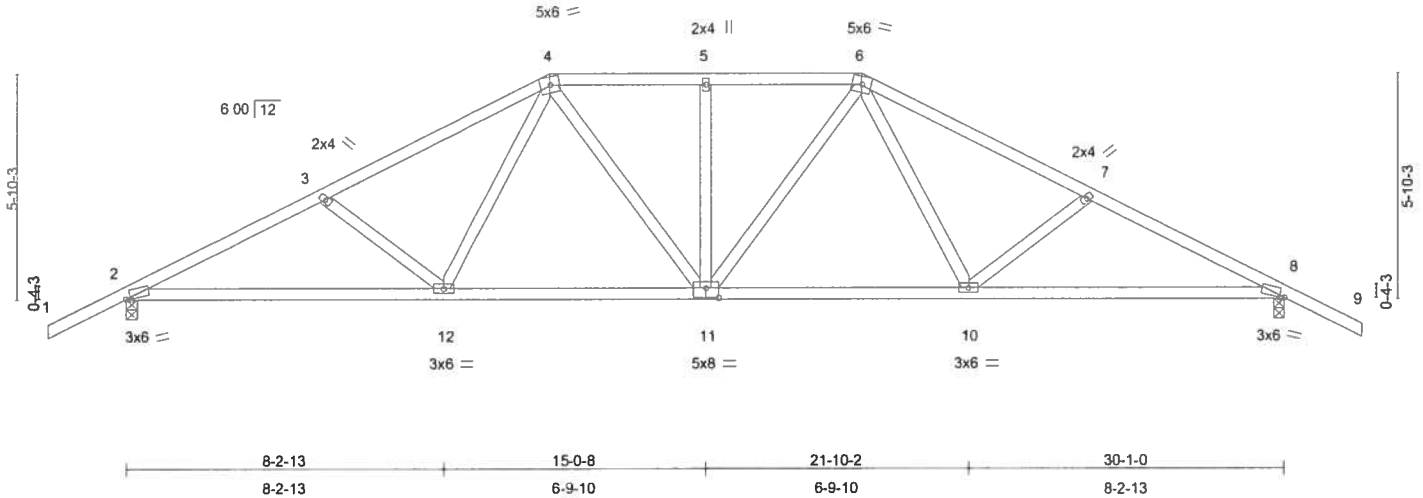


Plate Offsets (X,Y): [2:0-1-9,0-0-7], [8:0-1-9,0-0-7], [11:0-4-0,0-3-0]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	2-0-0	TC 0.31	Vert(LL) -0.10	2-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.38	Vert(TL) -0.20	2-12	>999	240		
BCLL 10.0	* Rep Stress Incr YES		WB 0.11	Horz(TL) 0.07	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 157 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-8-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 7-7-4 oc bracing.

**REACTIONS**

(lb/size) 2=1069/0-3-8, 8=1069/0-3-8  
 Max Horz 2=-101(load case 7)  
 Max Uplift 2=-280(load case 6), 8=-280(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1762/938, 3-4=-1531/851, 4-5=-1268/798, 5-6=-1268/798,  
 6-7=-1531/851, 7-8=-1762/938, 8-9=0/47  
 BOT CHORD 2-12=-675/1511, 11-12=-417/1186, 10-11=-417/1186, 8-10=-675/1511  
 WEBS 3-12=-269/264, 4-12=-116/322, 4-11=-78/263, 5-11=-190/87, 6-11=-78/263,  
 6-10=-116/322, 7-10=-269/264

**JOINT STRESS INDEX**

2 = 0.75, 3 = 0.33, 4 = 0.50, 5 = 0.33, 6 = 0.50, 7 = 0.33, 8 = 0.75, 10 = 0.44, 11 = 0.34 and 12 = 0.44

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.

Continued on page 2

November 15,2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910472
L260931	T06	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:07 2007 Page 2

**NOTES**

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 2 and 280 lb uplift at joint 8.

**LOAD CASE(S)** Standard

Julius Law  
Truss Design Engineer  
FirstSource, Inc. 3-10000  
1100 Coastal Hwy Blvd  
Lakeland, FL 33850

November 15,2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910473
L260931	T07	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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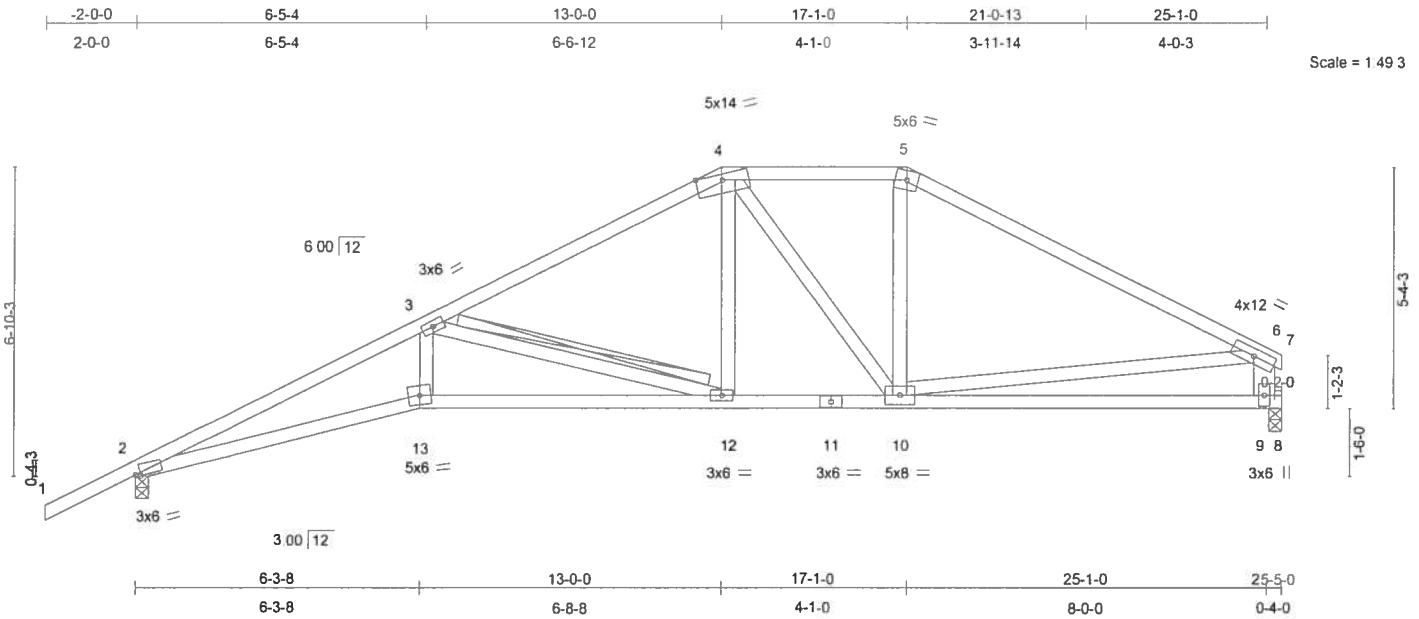


Plate Offsets (X,Y): [2:0-1-7,0-0-9]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	0.20 12-13	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.49	Vert(TL)	-0.32 12-13	>932	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.37	Horz(TL)	0.14 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 132 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3 \*Except\*  
 6-9 2 X 6 SYP No.1D

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-8-6 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 5-6-7 oc bracing.  
 WEBS T-Brace: 2 X 4 SYP No.3 - 3-12  
 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
 Brace must cover 90% of web length.

**REACTIONS**

(lb/size) 2=917/0-3-8, 9=817/0-3-8  
 Max Horz 2=175(load case 6)  
 Max Uplift 2=-268(load case 6), 9=-159(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-2571/1373, 3-4=-1192/685, 4-5=-891/626, 5-6=-1096/609, 6-7=0/10, 6-9=-766/496  
 BOT CHORD 2-13=-1276/2285, 12-13=-1217/2161, 11-12=-468/1004, 10-11=-468/1004, 9-10=-272/372, 8-9=0/0  
 WEBS 3-13=-249/610, 3-12=-1207/779, 4-12=-182/371, 4-10=-297/99, 5-10=-25/227, 6-10=-136/540

**JOINT STRESS INDEX**

2 = 0.78, 3 = 0.44, 4 = 0.80, 5 = 0.61, 6 = 0.77, 9 = 0.58, 10 = 0.28, 11 = 0.35, 12 = 0.34 and 13 = 0.72

Continued on page 2

November 15,2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910473
L260931	T07	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:08 2007 Page 2

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 2 and 159 lb uplift at joint 9.

**LOAD CASE(S)** Standard

Justin Law  
Truss Design Engineer  
6300 Enterprise Lane, Madison, WI 53719  
1-800-854-5511  
November 15, 2007

November 15,2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job L260931	Truss T08	Truss Type ROOF TRUSS	Qty 4	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910474
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:09 2007 Page 1

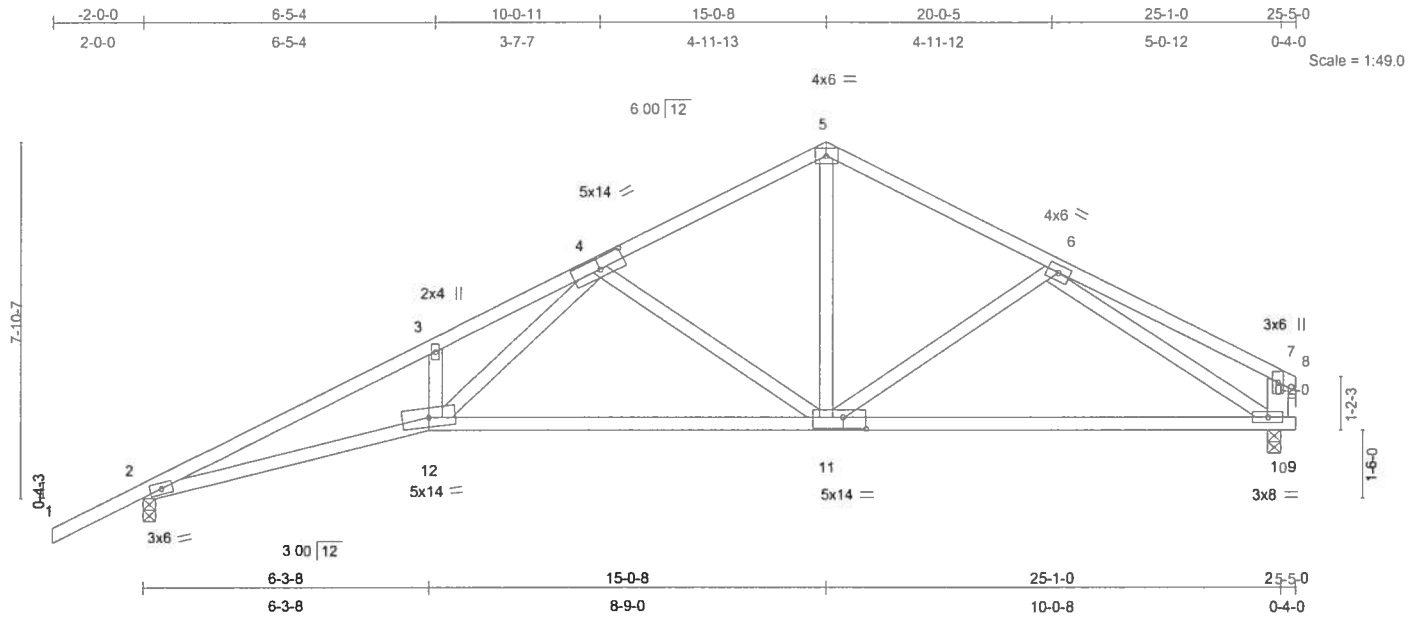


Plate Offsets (X,Y): [4:0-6-12,0-3-0], [11:0-6-0,0-3-0]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	2-0-0	TC 0.39	Vert(LL)	0.21 11-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.49	Vert(TL)	-0.34 11-12	>883	240		
BCLL 10.0	* Rep Stress Incr YES		WB 0.54	Horz(TL)	0.13 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 130 lb	

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3 \*Except\*  
 7-10 2 X 6 SYP No.1D

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 3-7-13 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 5-7-4 oc bracing.

#### REACTIONS

(lb/size) 2=917/0-3-8, 10=817/0-3-8  
 Max Horz 2=187(load case 6)  
 Max Uplift 2=-276(load case 6), 10=-171(load case 7)

#### FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-2537/1353, 3-4=-2492/1493, 4-5=-963/614, 5-6=-965/615,  
 6-7=-317/165, 7-8=0/10, 7-10=-261/204  
 BOT CHORD 2-12=-1252/2249, 11-12=-720/1325, 10-11=-485/896, 9-10=0/0  
 WEBS 3-12=-216/240, 4-11=-627/465, 5-11=-311/517, 6-11=-174/176, 6-10=-856/524,  
 4-12=-708/1197

#### JOINT STRESS INDEX

2 = 0.79, 3 = 0.33, 4 = 0.32, 5 = 0.54, 6 = 0.30, 7 = 0.39, 10 = 0.77, 11 = 0.53 and 12 = 0.63

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Continued on page 2

Truss Design Engineer  
 Plate Grip No. 3-883  
 1100 Central Ave. P.O. Box 16  
 Weymouth, MA 01981

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910474
L260931	T08	ROOF TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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**NOTES**

- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 2 and 171 lb uplift at joint 10.

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
Florida PE No. 37888  
1100 Coastal Bay Blvd  
Boynton Beach, FL 33426

November 15,2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910475
L260931	T09	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:10 2007 Page 1

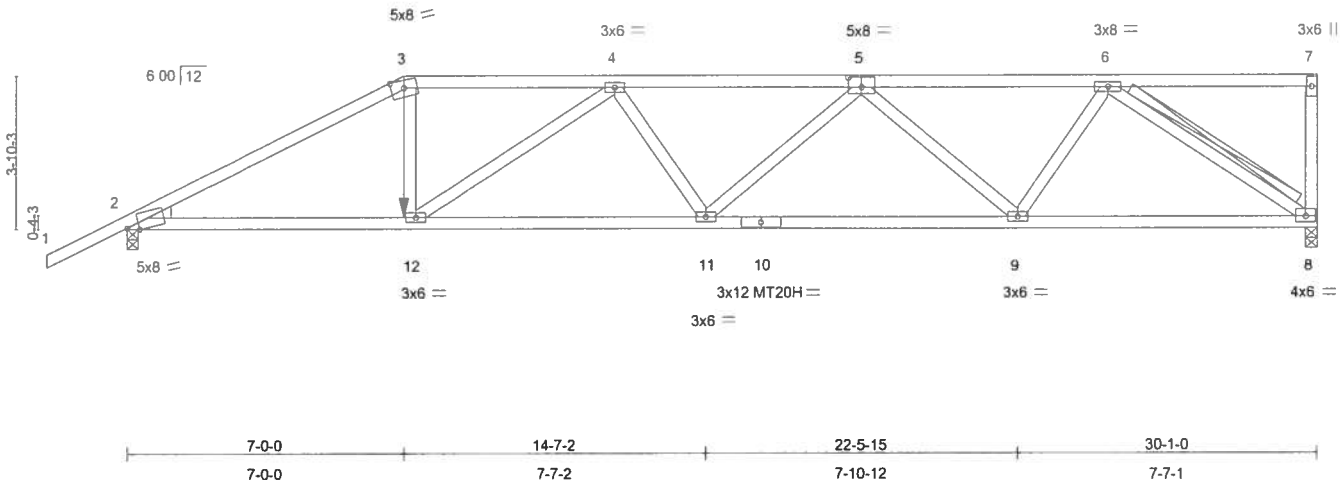
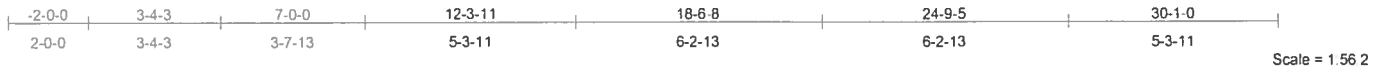


Plate Offsets (X,Y): [2:0-3-13,Edge], [5:0-4-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.76	Vert(LL)	-0.28 11	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.96	Vert(TL)	-0.58 9-11	>615	240	MT20H	187/143
BCLL 10.0	* Rep Stress Incr	NO	WB 0.88	Horz(TL)	0.19 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 150 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3  
 WEDGE  
 Left: 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 2-4-4 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 5-0-11 oc bracing.  
 WEBS T-Brace: 2 X 4 SYP No.3 - 6-8  
 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
 Brace must cover 90% of web length.

**REACTIONS**

(lb/size) 8=2108/0-3-8, 2=2051/0-3-8  
 Max Horz 2=163(load case 5)  
 Max Uplift 8=-727(load case 4), 2=-641(load case 5)

**FORCES**

(lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/47, 2-3=-3862/1259, 3-4=-3411/1166, 4-5=-4456/1501, 5-6=-3299/1099,  
 6-7=-78/14, 7-8=-274/136  
 BOT CHORD 2-12=-1151/3359, 11-12=-1558/4437, 10-11=-1516/4297, 9-10=-1516/4297,  
 8-9=-929/2619  
 WEBS 3-12=-382/1241, 4-12=-1246/526, 4-11=0/190, 5-11=0/246, 5-9=-1342/561,  
 6-9=-315/1260, 6-8=-3085/1111

Julius Lee  
 Truss Design Engineer  
 1100 Central Expressway  
 Boynton Beach, FL 33426

**JOINT STRESS INDEX**

2 = 0.82, 3 = 0.69, 4 = 0.41, 5 = 0.66, 6 = 0.92, 7 = 0.48, 8 = 0.74, 9 = 0.92, 10 = 0.86, 11 = 0.41 and 12 = 0.79

Continued on page 2

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910475
L260931	T09	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:10 2007 Page 2

#### NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS;  
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) All plates are MT20 plates unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 727 lb uplift at joint 8 and 641 lb uplift at joint 2.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-54, 3-7=-118(F=-64), 2-12=-10, 8-12=-22(F=-12)  
Concentrated Loads (lb)  
Vert: 12=-411(F)

Julius Lee  
Truss Design Engineer  
FirstSource  
1100 Coastal Way Blvd  
Lakeland, FL 33809

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910476
L260931	T10	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:11 2007 Page 2

#### NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All plates are 3x6 MT20 unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 259 lb uplift at joint 9 and 260 lb uplift at joint 2.

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
Florida PE No. 31862  
1100 Coastal Pkwy Blvd  
Gulfport, FL 32060

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

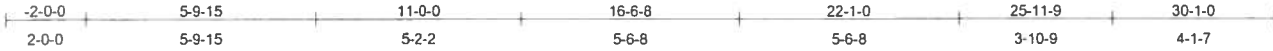
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910477
L260931	T11	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:11 2007 Page 1



Scale = 1:56.2

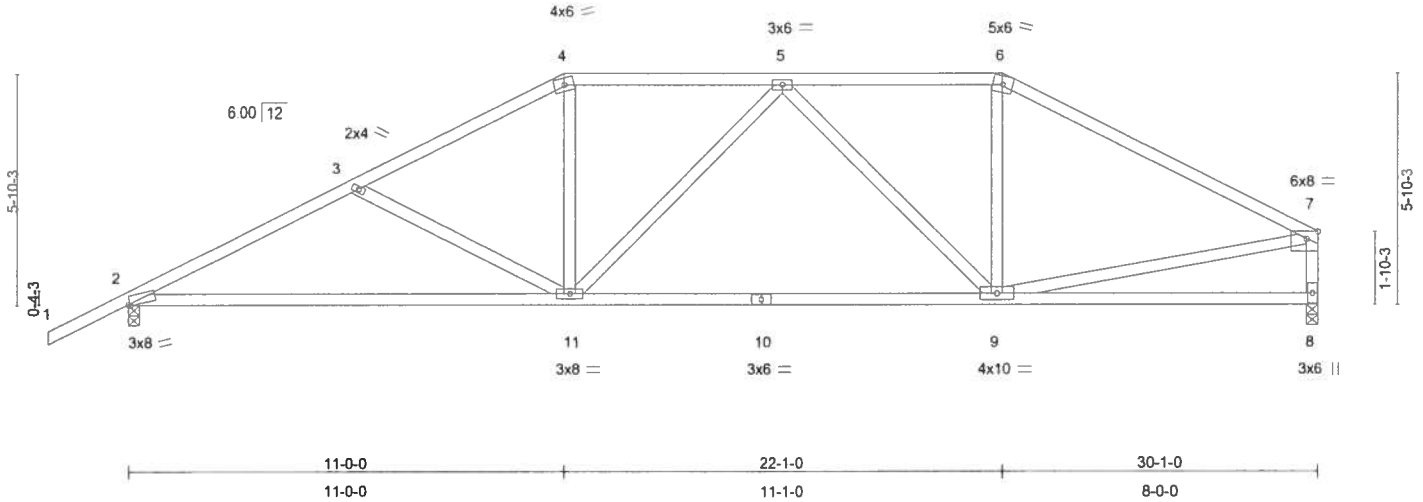


Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-3-8,Edge]

LOADING (psf)	SPACING		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	2-0-0	TC 0.52	Vert(LL) -0.25	2-11	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.62	Vert(TL) -0.47	2-11	>756	240		
BCLL 10.0	* Rep Stress Incr YES		WB 0.44	Horz(TL) 0.05	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 157 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3 \*Except\*  
 7-8 2 X 4 SYP No.2

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 4-7-5 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.

**REACTIONS**

(lb/size) 2=1073/0-3-8, 8=949/0-3-8  
 Max Horz 2=147(load case 6)  
 Max Uplift 2=-280(load case 6), 8=-163(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1730/929, 3-4=-1419/784, 4-5=-1220/765, 5-6=-1048/691,  
 6-7=-1265/678, 7-8=-908/533  
 BOT CHORD 2-11=-814/1478, 10-11=-609/1264, 9-10=-609/1264, 8-9=-171/211  
 WEBS 3-11=-306/286, 4-11=-107/369, 5-11=-187/118, 5-9=-410/171, 6-9=-16/272,  
 7-9=-326/850

**JOINT STRESS INDEX**

2 = 0.79, 3 = 0.33, 4 = 0.68, 5 = 0.36, 6 = 0.72, 7 = 0.64, 8 = 0.37, 9 = 0.37, 10 = 0.59 and 11 = 0.56

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.

Julius Lee  
 Truss Design Engineer  
 1102 Central Express Blvd  
 Canton, MS 39046

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE**

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910477
L260931	T11	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:11 2007 Page 2

**NOTES**

- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 2 and 163 lb uplift at joint 8.

**LOAD CASE(S)** Standard

Julius L. ...  
Truss Design Engineer  
FirstSource Building Products  
1800 ...  
Boynton ...

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910478
L260931	T12	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:12 2007 Page 1

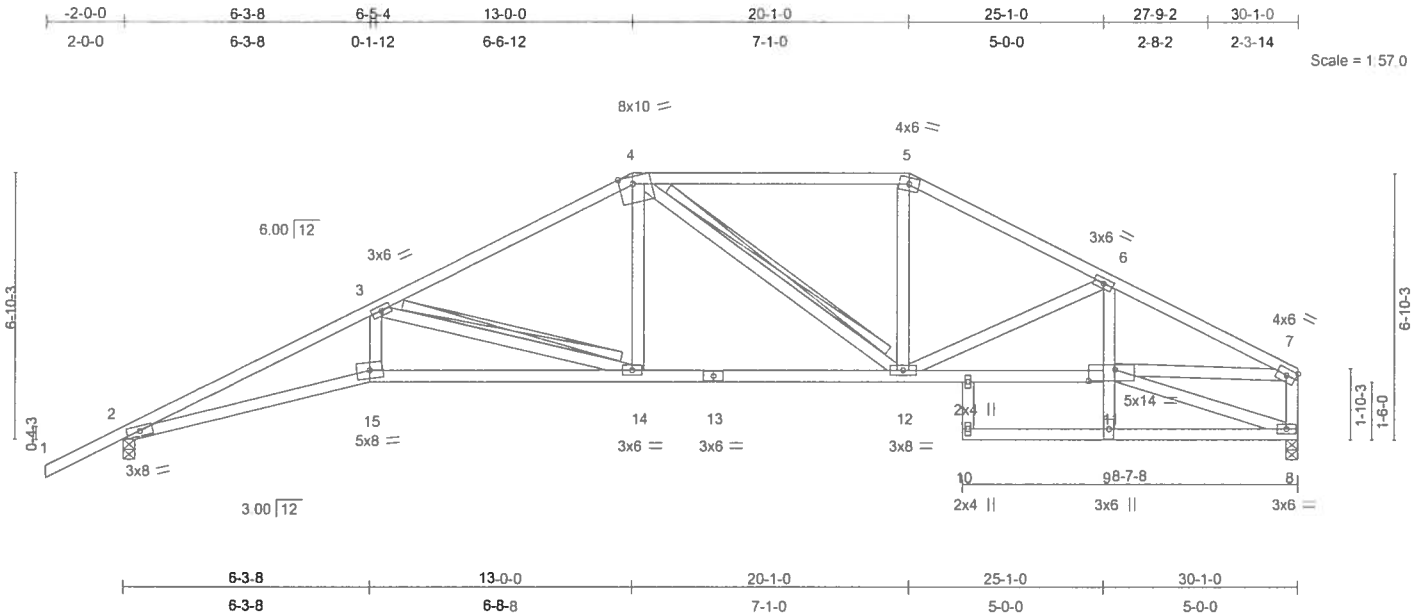


Plate Offsets (X,Y): [4:0-4-3,Edge], [11:0-8-0,0-3-8]									
<b>LOADING</b> (psf)	<b>SPACING</b>	2-0-0	<b>CSI</b>	<b>DEFL</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase	1.25	TC 0.41	Vert(LL)	0.28 14-15	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.61	Vert(TL)	-0.52 10	>687	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.50	Horz(TL)	0.26 8	n/a	n/a		
BCDL 5.0	Code	FBC2004/TPI2002	(Matrix)						
								Weight: 172 lb	

<b>LUMBER</b>	<b>BRACING</b>
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-2-11 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except* 6-9 2 X 4 SYP No.3	BOT CHORD Rigid ceiling directly applied or 5-1-3 oc bracing.
WEBS 2 X 4 SYP No.3 *Except* 7-8 2 X 4 SYP No.1D	WEBS T-Brace: 2 X 4 SYP No.3 - 3-14, 4-12
OTHERS 2 X 4 SYP No.3	Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance. Brace must cover 90% of web length.
	JOINTS 1 Brace at Jt(s): 11

**REACTIONS** (lb/size) 2=1082/0-3-8, 8=979/0-3-8  
 Max Horz 2=158(load case 6)  
 Max Uplift 2=-287(load case 6), 8=-160(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/46, 2-3=-3222/1660, 3-4=-1675/910, 4-5=-1317/807, 5-6=-1516/832,  
 6-7=-1919/940, 7-8=-983/522  
 BOT CHORD 2-15=-1503/2876, 14-15=-1432/2723, 13-14=-642/1446, 12-13=-642/1446,  
 11-12=-783/1677, 9-11=0/197, 6-11=0/309, 9-10=0/0, 8-9=-67/4  
 WEBS 3-15=-307/748, 3-14=-1333/822, 4-14=-175/461, 4-12=-281/107, 5-12=-125/397,  
 6-12=-419/254, 8-11=-28/129, 7-11=-708/1570

Julian Lane  
 Truss Design Engineer  
 Builders FirstSource  
 1800 Enterprise Lane, Madison, WI 53719  
 608.271.1000

<p><b>Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE</b></p> <p>This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719</p>	
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910478
L260931	T12	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:12 2007 Page 2

#### JOINT STRESS INDEX

2 = 0.74, 3 = 0.54, 4 = 0.66, 5 = 0.81, 6 = 0.39, 7 = 0.72, 8 = 0.38, 9 = 0.40, 10 = 0.33, 11 = 0.47, 12 = 0.56, 13 = 0.46, 14 = 0.36, 15 = 0.84 and 16 = 0.33

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2 and 160 lb uplift at joint 8.

**LOAD CASE(S)** Standard

Justin Law  
Truss Design Engineer  
Phone: 813-215-2100  
1100 Central Bay Blvd  
Lakeland, FL 33806

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

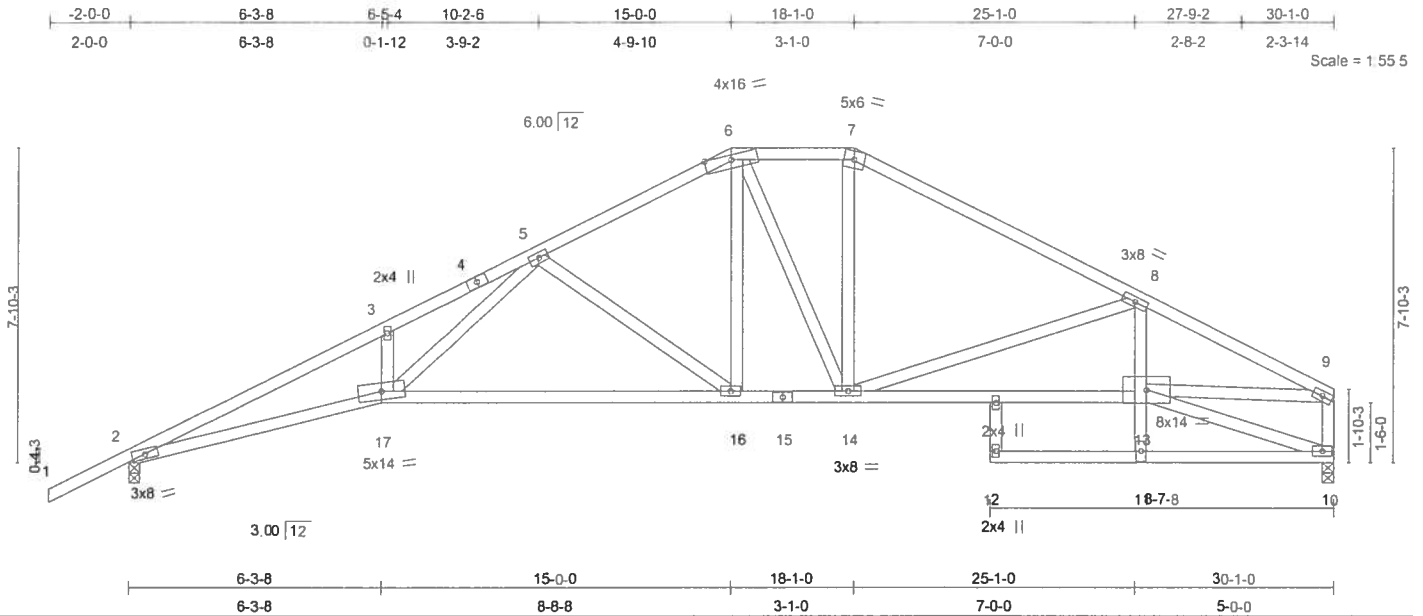
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Job L260931	Truss T13	Truss Type ROOF TRUSS	Qty 1	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910479 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:14 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.43	Vert(LL)	0.29 16-17	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.60	Vert(TL)	-0.53 12	>672	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.63	Horz(TL)	0.25 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight: 182 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2 \*Except\*  
 8-11 2 X 4 SYP No.3  
 WEBS 2 X 4 SYP No.3  
 OTHERS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or  
 3-2-2 oc purlins, except end verticals.  
 BOT CHORD Rigid ceiling directly applied or 5-1-7 oc  
 bracing. Except:  
 1 Row at midpt 13-14  
 JOINTS 1 Brace at Jt(s): 13

**REACTIONS**

(lb/size) 2=1082/0-3-8, 10=979/0-3-8  
 Max Horz 2=170(load case 6)  
 Max Uplift 2=-297(load case 6), 10=-172(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-3207/1644, 3-4=-3151/1769, 4-5=-3069/1782, 5-6=-1397/825,  
 6-7=-1179/787, 7-8=-1400/792, 8-9=-1931/957, 9-10=-976/519  
 BOT CHORD 2-17=-1484/2858, 16-17=-886/1755, 15-16=-491/1205, 14-15=-491/1205,  
 13-14=-845/1749, 11-13=0/196, 8-13=0/360, 11-12=0/0, 10-11=-98/11  
 WEBS 3-17=-205/233, 5-17=-780/1402, 5-16=-697/498, 6-16=-263/489, 7-14=-104/344,  
 8-14=-610/382, 10-13=0/159, 9-13=-744/1602, 6-14=-218/124

**JOINT STRESS INDEX**

2 = 0.74, 3 = 0.33, 4 = 0.57, 5 = 0.88, 6 = 0.51, 7 = 0.59, 8 = 0.85, 9 = 0.82, 10 = 0.37, 11 = 0.43, 12 = 0.33, 13 = 0.53, 14 = 0.62, 15 = 0.51, 16 = 0.34, 17 = 0.80 and 18 = 0.33

**NOTES**

1) Unbalanced roof live loads have been considered for this design.

Printed on 11/15/07  
 11:23 AM  
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 11/15/07 11:23 AM

Continued on page 2

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910479
L260931	T13	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:14 2007 Page 2

**NOTES**

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All plates are 3x6 MT20 unless otherwise indicated.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 2 and 172 lb uplift at joint 10.

**LOAD CASE(S)** Standard

Justin Lee  
Truss Design Engineer  
Phone: 813-218-1800  
1100 Central Express Blvd  
Lakeland, FL 33805

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910480
L260931	T14	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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#### NOTES

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 180 lb uplift at joint 10.

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
6300 Enterprise Lane, Madison, WI 53719  
1100 Central Expressway  
Boynton Beach, FL 33426

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

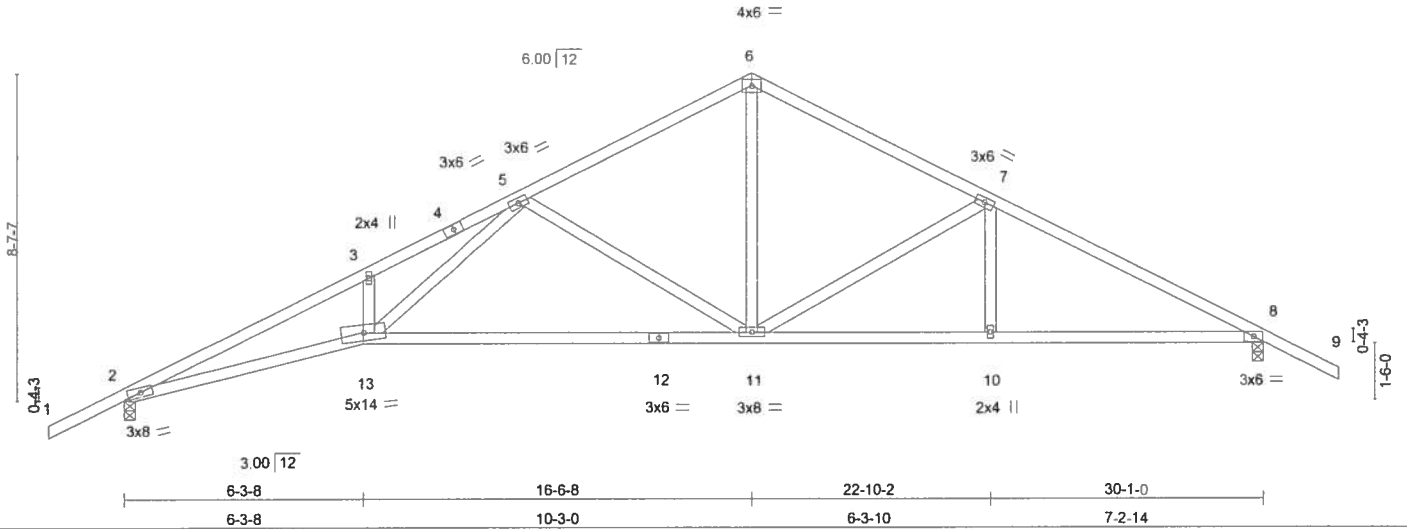
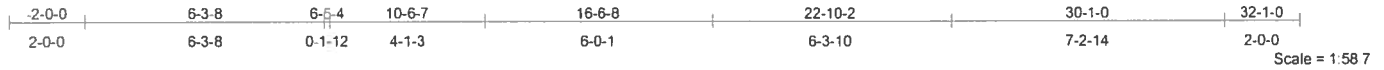
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910481
L260931	T15	ROOF TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0 1.25	TC 0.42	Vert(LL)	-0.31 11-13	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.70	Vert(TL)	-0.66 11-13	>540	240		
BCLL 10.0	* Rep Stress Incr YES	WB 0.68	Horz(TL)	0.19 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 147 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-2-6 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-4-6 oc bracing.

**REACTIONS**

(lb/size) 2=1069/0-3-8, 8=1069/0-3-8  
 Max Horz 2=163(load case 6)  
 Max Uplift 2=-308(load case 6), 8=-289(load case 7)

**FORCES (lb) - Maximum Compression/Maximum Tension**

TOP CHORD 1-2=0/46, 2-3=-3167/1585, 3-4=-3108/1709, 4-5=-3022/1723, 5-6=-1247/759,  
 6-7=-1255/762, 7-8=-1704/907, 8-9=0/47  
 BOT CHORD 2-13=-1343/2823, 12-13=-779/1697, 11-12=-779/1697, 10-11=-620/1439,  
 8-10=-620/1439  
 WEBS 3-13=-194/232, 5-13=-732/1417, 5-11=-754/530, 6-11=-399/712, 7-11=-474/340,  
 7-10=0/185

**JOINT STRESS INDEX**

2 = 0.73, 3 = 0.33, 4 = 0.54, 5 = 0.63, 6 = 0.74, 7 = 0.39, 8 = 0.74, 10 = 0.33, 11 = 0.56, 12 = 0.59 and 13 = 0.87

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
  - 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- Continued on page 2

Julius Lee  
 Truss Design Engineer  
 Florida PE No. 34889  
 1150 Coastal Bay Blvd  
 Daytona Beach, FL 32118

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCS1-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910481
L260931	T15	ROOF TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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**NOTES**

- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 308 lb uplift at joint 2 and 289 lb uplift at joint 8.

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
Phone 888 710 3160  
1100 Coastal Bay Blvd  
Gwynn Harbor, FL 32055

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910482
L260931	T16	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:17 2007 Page 2

#### NOTES

- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 282 lb uplift at joint 9.

**LOAD CASE(S)** Standard

Julius Lee  
Truss Design Engineer  
1400 Central Expressway  
Lake City, FL 32055

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910483
L260931	T17	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Nov 15 16:27:17 2007 Page 1

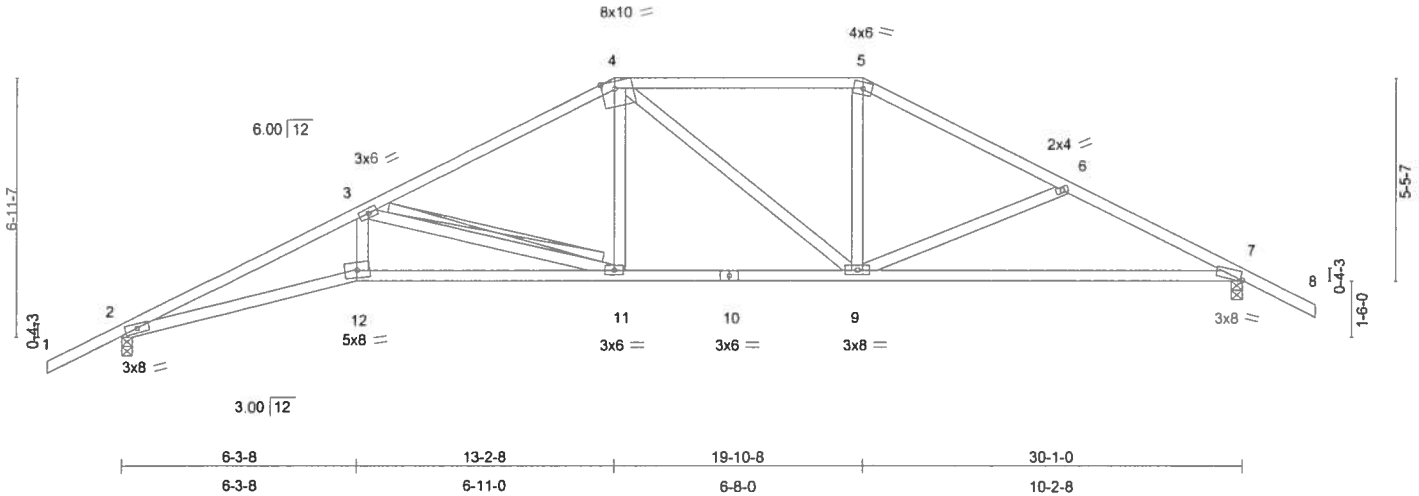


Plate Offsets (X,Y): [4:0-4-3,Edge], [7:0-0-10,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	0.27 11-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.60	Vert(TL)	-0.48 7-9	>751	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.43	Horz(TL)	0.21 7	n/a	n/a		
BCDL 5.0	Code	FBC2004/TPI2002	(Matrix)						
								Weight: 148 lb	

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3

**BRACING**

TOP CHORD Structural wood sheathing directly applied or 3-3-3 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 5-4-5 oc bracing.  
 WEBS T-Brace: 2 X 4 SYP No.3 - 3-11  
 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance.  
 Brace must cover 90% of web length.

**REACTIONS**

(lb/size) 2=1069/0-3-8, 7=1069/0-3-8  
 Max Horz 2=144(load case 6)  
 Max Uplift 2=-293(load case 6), 7=-270(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-3177/1592, 3-4=-1614/880, 4-5=-1258/781, 5-6=-1459/797,  
 6-7=-1749/947, 7-8=0/47  
 BOT CHORD 2-12=-1355/2836, 11-12=-1293/2685, 10-11=-527/1386, 9-10=-527/1386,  
 7-9=-681/1502  
 WEBS 3-12=-267/742, 3-11=-1352/795, 4-11=-175/421, 4-9=-282/110, 5-9=-104/367,  
 6-9=-274/263

**JOINT STRESS INDEX**

2 = 0.73, 3 = 0.53, 4 = 0.64, 5 = 0.76, 6 = 0.33, 7 = 0.84, 9 = 0.56, 10 = 0.44, 11 = 0.37 and 12 = 0.82

Continued on page 2

November 15, 2007

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910483
L260931	T17	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MITek Industries, Inc. Thu Nov 15 16:27:17 2007 Page 2

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 2 and 270 lb uplift at joint 7.

**LOAD CASE(S)** Standard

Justin Lee  
Truss Design Engineer  
6300 Enterprise Lane, Madison, WI 53719  
608.271.1111  
www.buildersfirstsource.com

November 15,2007

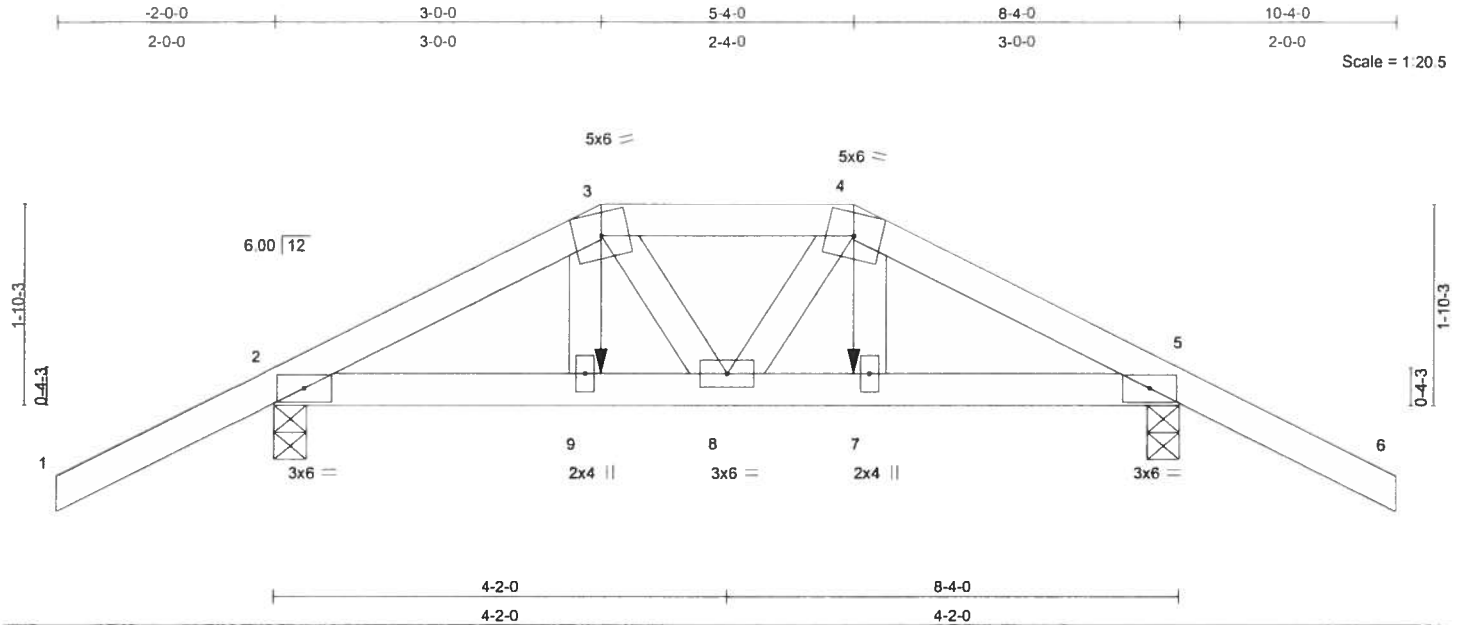
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Job L260931	Truss T18	Truss Type ROOF TRUSS	Qty 1	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910484
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 15 16:58:44 2007 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.27	Vert(LL)	-0.01	8	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.15	Vert(TL)	-0.01	8	>999	240		
BCLL 10.0	Rep Stress Incr	NO	WB 0.02	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb

**LUMBER**

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP 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** (lb/size) 2=435/0-3-8, 5=435/0-3-8  
 Max Horz 2=-54(load case 6)  
 Max Uplift 2=-278(load case 5), 5=-278(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/47, 2-3=-426/230, 3-4=-357/206, 4-5=-429/232, 5-6=0/47  
 BOT CHORD 2-9=-171/334, 8-9=-166/332, 7-8=-161/336, 5-7=-166/338  
 WEBS 3-8=-47/42, 4-8=-44/37, 3-9=-56/76, 4-7=-55/76

**JOINT STRESS INDEX**  
 2 = 0.46, 3 = 0.07, 4 = 0.07, 5 = 0.46, 7 = 0.06, 8 = 0.03 and 9 = 0.06

**NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 278 lb uplift at joint 2 and 278 lb uplift at joint 5.
- 7) Girder carries hip end with 3-0-0 end setback.

Julian Lewis  
 Truss Design Engineer  
 Builders FirstSource  
 1150 Central Bay Blvd  
 Covington, LA 70420

November 15, 2007

Continued on page 2

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE**  
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITTEK connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 8300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job L260931	Truss T18	Truss Type ROOF TRUSS	Qty 1	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910484 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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**NOTES**

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S) Standard**

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-9=-10, 7-9=-12(F=-2), 5-7=-10

Concentrated Loads (lb)

Vert: 9=-48(F) 7=-48(F)

John Lee  
Truss Design Engineer  
3100 Central Expressway  
Lakeland, FL 33850

November 15, 2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

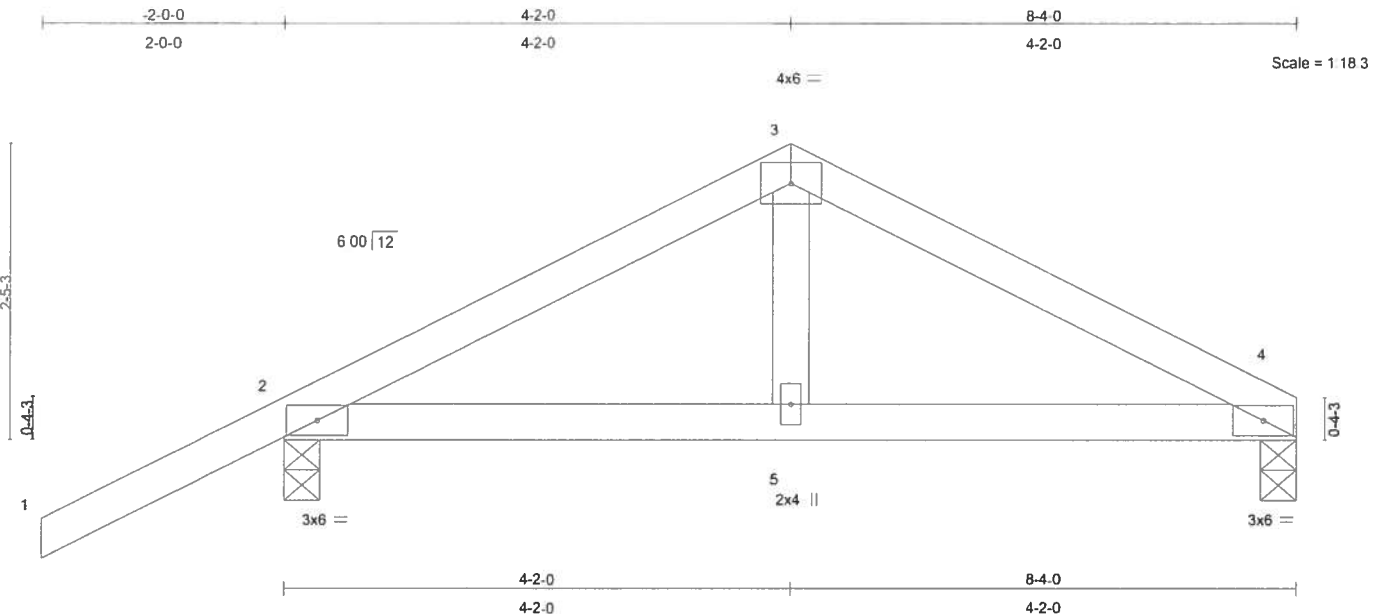
This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 563 D'Onofrio Drive, Madison, WI 53719



Job L260931	Truss T19	Truss Type ROOF TRUSS	Qty 2	Ply 1	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910485
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0 1.25	TC 0.29	Vert(LL) 0.03	4-5	>999	360		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.13	Vert(TL) -0.02	4-5	>999	240			
BCLL 10.0	* Rep Stress Incr YES	WB 0.04	Horz(TL) -0.01	4	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							Weight: 33 lb

#### LUMBER

TOP CHORD 2 X 4 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.3

#### BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 9-8-7 oc bracing.

**REACTIONS** (lb/size) 4=242/0-3-8, 2=389/0-3-8  
 Max Horz 2=74(load case 6)  
 Max Uplift 4=-155(load case 7), 2=-262(load case 6)

#### FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-341/525, 3-4=-335/514  
 BOT CHORD 2-5=-390/255, 4-5=-390/255  
 WEBS 3-5=-243/134

#### JOINT STRESS INDEX

2 = 0.58, 3 = 0.43, 4 = 0.58 and 5 = 0.10

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

Continued on page 2

November 15,2007

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
 This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - CANNON CREEK PL LOT 15 J1910485
L260931	T19	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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**NOTES**

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 4 and 262 lb uplift at joint 2.

**LOAD CASE(S)** Standard

Justin Lee  
Truss Design Engineer  
FirstSource Building Systems  
1100 Coastal Bay Blvd  
Lakeland, FL 33706

November 15, 2007

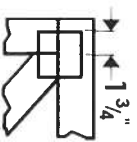
**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling, Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

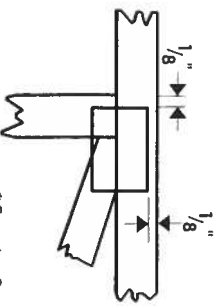


# Symbols

## PLATE LOCATION AND ORIENTATION



\*Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seat.



\*For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



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

## PLATE SIZE

4 X 4

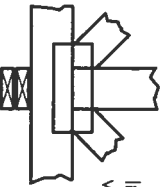
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING



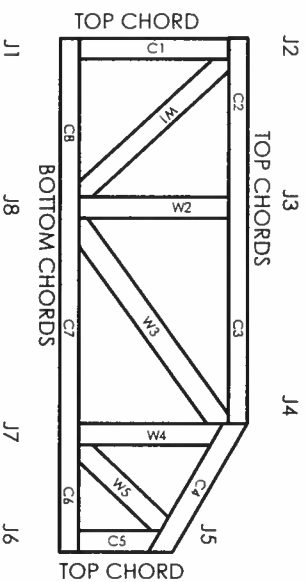
Indicates location of required continuous lateral bracing.

## BEARING



Indicates location of joints at which bearings (supports) occur.

# Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

## CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DLHR	960022-W, 970036-N
NER	561



MITek Engineering Reference Sheet: MIT-7473



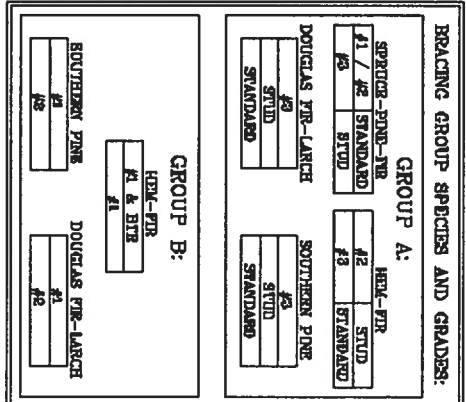
# General Safety Notes

## Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length ( $\pm 6"$  from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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GABLE BRACE DETAIL	BRACE		NO BRACES		(1) 1x4 7" BRACE *		(1) 2x4 7" BRACE *		(2) 2x4 7" BRACE **		(1) 2x6 7" BRACE *		(2) 2x8 7" BRACE **	
	SPACING	BRACE SPECIES	GRADE	NO	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	HF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 8"	10' 10"	11' 2"	12' 11"	13' 3"
			#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
			STANDARD	8' 3"	4' 2"	4' 2"	5' 6"	6' 6"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
	SP	D/F/L	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 9"	8' 9"	10' 10"	11' 8"	12' 11"	13' 11"
			#2	8' 7"	6' 10"	6' 8"	6' 11"	7' 5"	8' 9"	8' 9"	10' 10"	11' 8"	12' 11"	13' 7"
			#3	3' 6"	5' 0"	5' 0"	6' 0"	6' 7"	8' 3"	8' 3"	10' 3"	10' 4"	12' 11"	13' 7"
16" O.C.	SPF	HF	#1 / #2	3' 10"	6' 8"	6' 0"	7' 11"	8' 1"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
			#3	3' 9"	4' 3"	4' 3"	5' 8"	6' 8"	8' 4"	8' 4"	10' 3"	10' 3"	12' 11"	13' 7"
			STANDARD	8' 4"	4' 3"	4' 3"	5' 8"	6' 8"	8' 4"	8' 4"	10' 3"	10' 3"	12' 11"	13' 7"
	SP	D/F/L	#1	3' 10"	6' 8"	6' 0"	7' 11"	8' 1"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
			#2	4' 0"	6' 8"	6' 2"	7' 11"	8' 3"	9' 6"	9' 6"	11' 2"	11' 2"	14' 0"	14' 0"
			#3	4' 2"	8' 8"	8' 8"	7' 11"	8' 6"	9' 5"	9' 5"	10' 2"	10' 2"	12' 5"	13' 5"
24" O.C.	SPF	HF	#1 / #2	4' 0"	8' 1"	7' 4"	9' 4"	10' 6"	10' 6"	13' 8"	14' 0"	14' 0"	14' 0"	
			#3	4' 0"	8' 2"	7' 7"	8' 9"	9' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
			STANDARD	8' 9"	5' 2"	5' 2"	6' 10"	7' 11"	8' 6"	8' 6"	10' 2"	10' 2"	12' 5"	13' 5"
	SP	D/F/L	#1	4' 0"	8' 1"	7' 4"	9' 4"	10' 6"	10' 6"	13' 8"	14' 0"	14' 0"	14' 0"	
			#2	4' 2"	8' 8"	8' 8"	7' 11"	8' 6"	9' 5"	9' 5"	10' 2"	10' 2"	12' 5"	13' 5"
			#3	4' 0"	8' 2"	7' 7"	8' 9"	9' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"



**CABLE TRUSS DETAIL NOTES:**

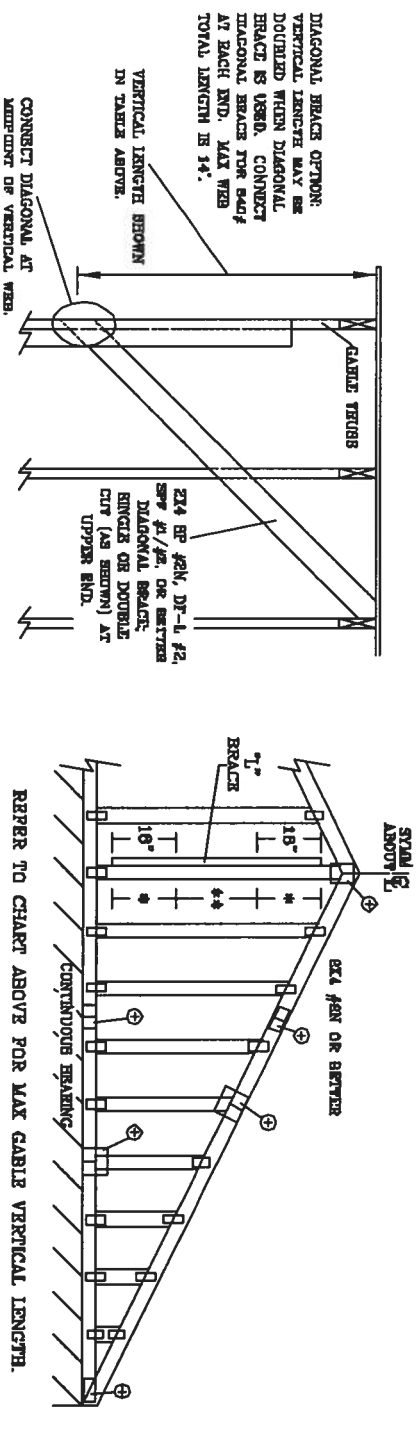
LIVE LOAD DESTRUCTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 156 PSF OVER CONTINUOUS BRACING (6 PSF VC DEAD LOAD).

CABLE END SUPPORTS LOAD FROM 4' 0" OUTLENGERS WITH 8' 0" OVERHANG, OR 12" PLTWOOD OVERHANG.

ATTACH EACH 7" BRACE WITH 104 NAILS \* FOR (1) 7" BRACE, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES. \*\* FOR (2) 7" BRACES, SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

7" BRACING MUST BE A MINIMUM OF 60K OF WEB MEMBER LENGTH.



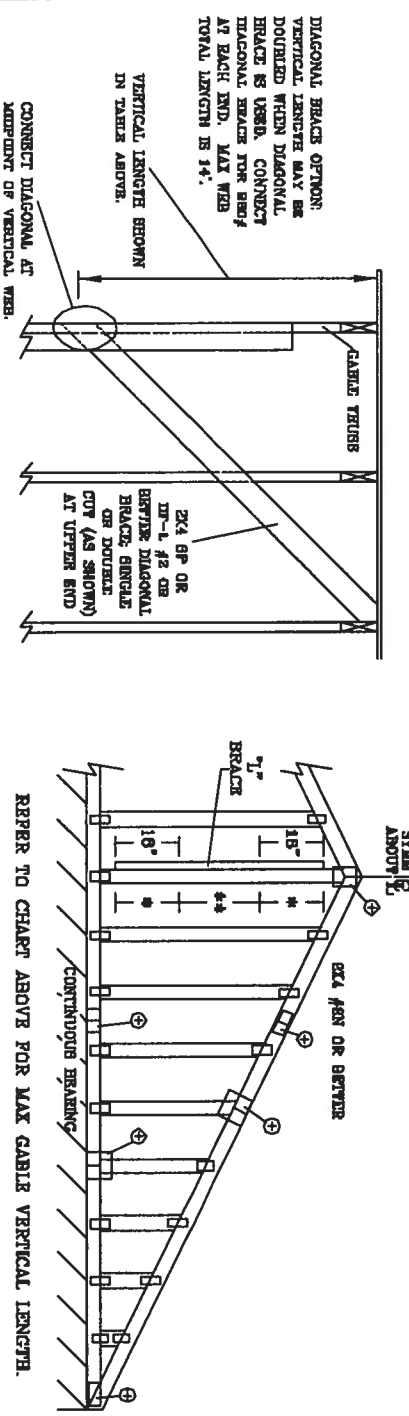
**WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BRACING, PUBLISHED BY THE TRUSS AND JOIST MANUFACTURERS ASSOCIATION (TMA) AND THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION (NTMA). THESE PRACTICES UNLESS OTHERWISE INDICATED, HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**JULIUS LEE'S**  
CONS. ENGINEERS P.A.  
1485 BT 4th AVENUE  
MIAMI BEACH, FL 33441-9161

REF: ASCE 7-02 (PART 3015)  
DATE: 11/26/03  
DRWG: MTRK STD CABLE 15 E BT  
-ENG

No. 34866  
STATE OF FLORIDA  
MAX. TOT. LD. 60 PSF  
MAX. SPACING 24.0"

MAX GABLE VERTICAL LENGTH		BRACE		NO BRACERS		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B	
GABLE VERTICAL SPACING	2x4 BRACE VERTICAL SPECIES	GRADE	BRACE	NO BRACERS	(1) 1x4 T <sup>1</sup> BRACE *		(4) 2x4 T <sup>1</sup> BRACE *		(2) 2x4 T <sup>1</sup> BRACE **		(1) 2x6 T <sup>1</sup> BRACE *		(2) 2x6 T <sup>1</sup> BRACE **				
					GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B			
12" O.C.	SPF	#1 / #2	3' 2"	5' 6"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"	6' 8"
		#3	3' 1"	4' 5"	4' 5"	6' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	10' 3"	10' 7"	12' 3"	12' 7"	12' 3"	12' 3"
		STUD	8' 1"	4' 6"	4' 5"	5' 10"	6' 10"	7' 10"	7' 10"	9' 1"	9' 1"	10' 3"	10' 7"	12' 3"	12' 7"	12' 3"	12' 3"
	HF	STANDARD	2' 11"	3' 8"	3' 8"	5' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	9' 1"	9' 1"	10' 3"	10' 7"	10' 3"	10' 7"
		#1	3' 6"	5' 8"	5' 8"	7' 0"	7' 0"	8' 5"	8' 5"	10' 3"	10' 3"	11' 1"	11' 1"	12' 3"	12' 3"	13' 2"	13' 2"
		#2	8' 6"	5' 6"	5' 6"	6' 6"	6' 6"	7' 10"	7' 10"	8' 5"	8' 5"	10' 8"	11' 1"	12' 3"	12' 3"	13' 2"	13' 2"
DFL	STANDARD	3' 0"	3' 3"	4' 6"	4' 8"	4' 8"	5' 11"	5' 11"	7' 10"	7' 10"	8' 0"	8' 0"	9' 4"	9' 4"	12' 3"	12' 3"	12' 3"
	#1 / #2	3' 0"	3' 10"	3' 10"	5' 10"	5' 11"	6' 11"	6' 11"	8' 0"	8' 0"	8' 0"	8' 0"	9' 4"	9' 4"	12' 3"	12' 3"	12' 3"
	#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	
SPF	STANDARD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1 / #2	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	
	#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	
HF	STANDARD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	11' 1"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1	4' 0"	8' 4"	8' 4"	8' 10"	8' 10"	9' 7"	9' 7"	11' 9"	11' 9"	12' 8"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
	#2	3' 8"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	11' 9"	11' 9"	12' 8"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
SP	STANDARD	3' 8"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	11' 9"	11' 9"	12' 8"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1	3' 8"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	11' 9"	11' 9"	12' 8"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
	#2	3' 8"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	11' 9"	11' 9"	12' 8"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
DFL	STANDARD	3' 8"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	11' 9"	11' 9"	12' 8"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1 / #2	4' 0"	6' 11"	6' 11"	7' 2"	7' 2"	8' 3"	8' 3"	9' 10"	9' 10"	10' 1"	10' 1"	13' 4"	13' 4"	14' 0"	14' 0"	
	#3	3' 11"	8' 3"	8' 3"	8' 3"	8' 3"	9' 10"	9' 10"	10' 1"	10' 1"	12' 11"	12' 11"	13' 4"	13' 4"	14' 0"	14' 0"	
SPF	STANDARD	3' 11"	8' 3"	8' 3"	8' 3"	8' 3"	9' 10"	9' 10"	10' 1"	10' 1"	12' 11"	12' 11"	13' 4"	13' 4"	14' 0"	14' 0"	
	#1	3' 11"	8' 3"	8' 3"	8' 3"	8' 3"	9' 10"	9' 10"	10' 1"	10' 1"	12' 11"	12' 11"	13' 4"	13' 4"	14' 0"	14' 0"	
	#2	3' 11"	8' 3"	8' 3"	8' 3"	8' 3"	9' 10"	9' 10"	10' 1"	10' 1"	12' 11"	12' 11"	13' 4"	13' 4"	14' 0"	14' 0"	
HF	STANDARD	3' 11"	8' 3"	8' 3"	8' 3"	8' 3"	9' 10"	9' 10"	10' 1"	10' 1"	12' 11"	12' 11"	13' 4"	13' 4"	14' 0"	14' 0"	
	#1	4' 5"	8' 11"	8' 11"	7' 8"	7' 8"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
	#2	4' 4"	8' 11"	8' 11"	7' 8"	7' 8"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
SP	STANDARD	4' 4"	8' 11"	8' 11"	7' 8"	7' 8"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1	4' 2"	8' 4"	8' 4"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	12' 11"	12' 11"	13' 1"	13' 1"	14' 0"	14' 0"	
	#2	4' 2"	8' 4"	8' 4"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	12' 11"	12' 11"	13' 1"	13' 1"	14' 0"	14' 0"	
DFL	STANDARD	4' 2"	8' 4"	8' 4"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	12' 11"	12' 11"	13' 1"	13' 1"	14' 0"	14' 0"	
	#1	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#2	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
SPF	STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1 / #2	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#3	4' 2"	8' 4"	8' 4"	8' 3"	8' 3"	9' 10"	9' 10"	10' 4"	10' 4"	12' 11"	12' 11"	13' 1"	13' 1"	14' 0"	14' 0"	
HF	STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#2	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
SP	STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#2	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	



DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONDUCT DIAGONAL BRACE FOR BEARING AT EACH END. MAX WEB TOTAL LENGTH IS 14'.  
 VERTICAL LENGTH BEHIND IN TABLE ABOVE.  
 CONNECT DIAGONAL AT JOINT OF VERTICAL WEB.

JULIUS LEE'S  
 CONS. ENGINEERS P.A.  
 1486 BR 4th AVENUE  
 DELRAY BEACH FL 33444-2101

NOVEMBER TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BEST 1-82 QUALITY COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 282 DORCHESTER RD, SLATE HILL, MASSACHUSETTS, 01902 AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN, WARDEN, VT 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATE AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED ROOF CEILING.

REF ASCE 7-02 (GAB130090)  
 DATE 11/26/09  
 DWG MAKE STD GABLE 30 x 3 FT  
 -ENG

BRACING GROUP SPECIES AND GRADES:			
GROUP A:		GROUP B:	
SPRUCE-PINE-TYP	#1 / #2	HEM-PIR	#1
#3	STANDARD	STUD	#2
DOUGLAS FIR-LARCH	#1 / #2	STUD	#3
#3	STANDARD	STUD	STANDARD

CABLE TRUSS DETAIL NOTES:  
 LIVE LOAD DEFLECTION CRITERIA IS L/240.  
 PROVIDE UP/LET CONNECTIONS FOR 150 PSF OVER CONTINUOUS BRACING (6 PSF PER DEAD LOAD).  
 CABLE END SUPPORTS LOAD FROM 4' 0" OUTLETS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.  
 ATTACH EACH T<sup>1</sup> BRACE WITH 10d NAILS.  
 \* FOR (1) T<sup>1</sup> BRACE, BRACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.  
 \*\* FOR (2) T<sup>1</sup> BRACES, BRACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.  
 T<sup>1</sup> BRACING MUST BE A MINIMUM OF 60x OF WEB MEMBER LENGTH.

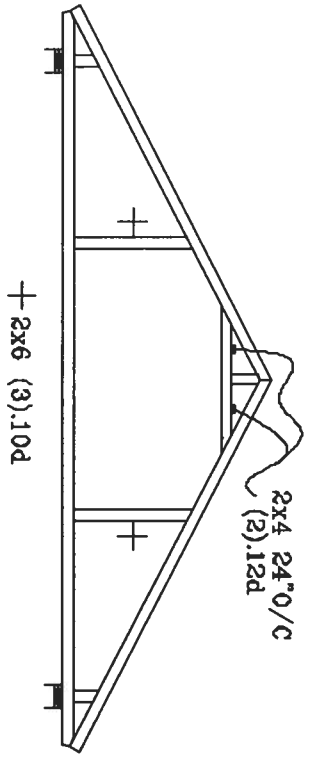
GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO BRACES	1x4 OR 2x4	2x4
LESS THAN 4' 0"	LESS THAN 4' 0" BUT GREATER THAN 11' 6"	1x4 OR 2x4	2x4
GREATER THAN 11' 6"	GREATER THAN 11' 6"	2x4	2x4

+ REFER TO COLUMN TRUSS DESIGN FOR PLATE, SPECIES, AND BEEL PLATES.

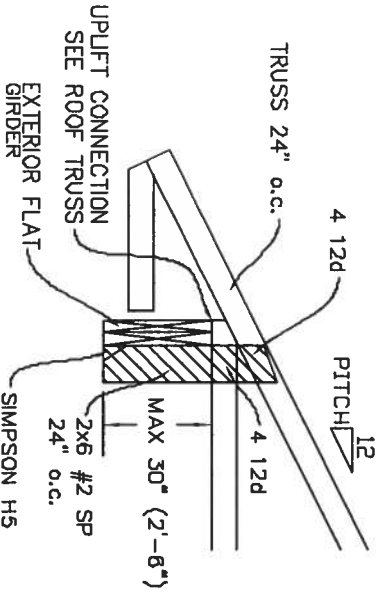
NO. 34808  
 STATE OF FLORIDA

MAX. TOT. LD. 60 PSF  
 MAX. SPACING 24.0"

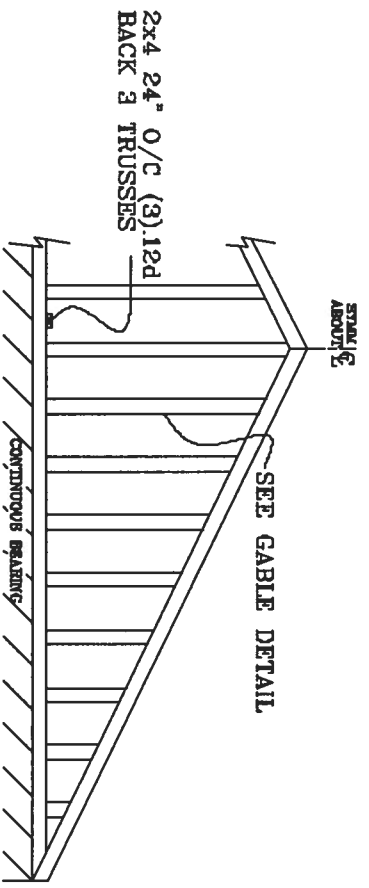
# TYPICAL ATTIC TRUSS BRACING



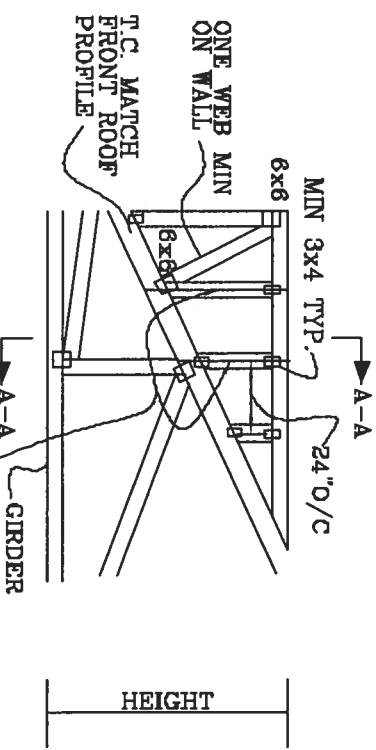
# TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



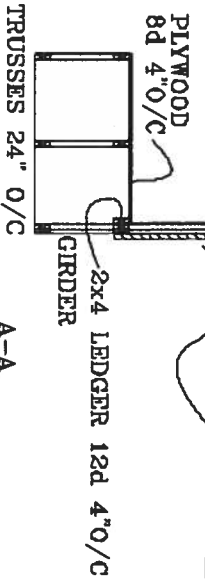
# GABLE END TRUSS DETAIL



# TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



SEE GABLE END DETAIL FOR T-BRACE BEHIND EACH VERTICAL



**JULIUS LEE'S**  
CONS. ENGINEERS P.A.  
1426 SW 435 AVENUE  
OZBART BRANCH, FL 33444-2801

No. 34669  
STATE OF FLORIDA

TOP CHORD 2x4 #8 OR BETTER  
 BOT CHORD 2x4 #2 OR BETTER  
 WEBS 2x4 #3 OR BETTER

# PIGGYBACK DETAIL

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPICERS MUST BE STAGGERED SO THAT ONE SPICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSSES.

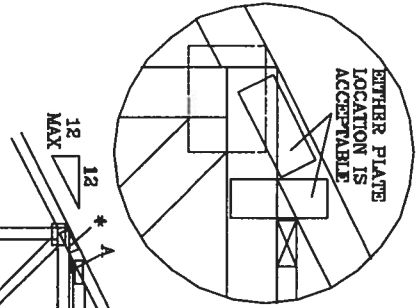
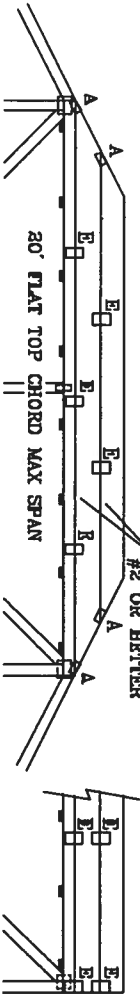
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

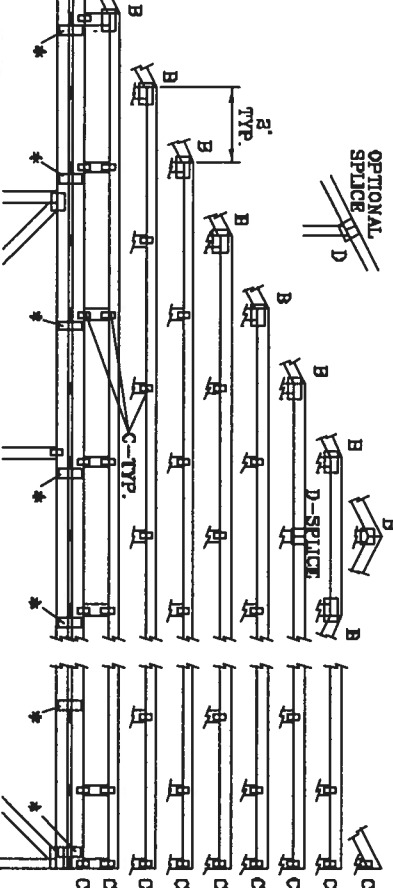
110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST  
 CAT I, EXP C, WIND TC DL=6 PSF, WIND BC DL=6 PSF  
 110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF  
 WIND TC DL=6 PSF, WIND BC DL=6 PSF

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=6 PSF, WIND BC DL=6 PSF

FRONT FACE (B\*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



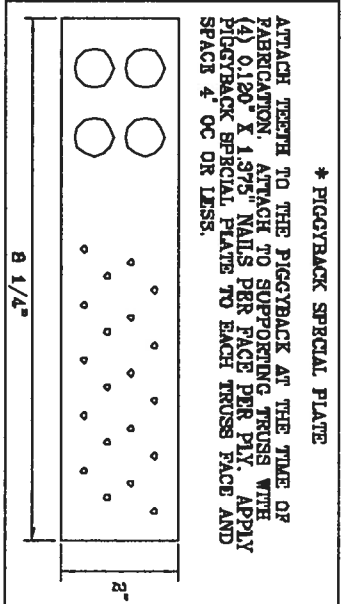
\*ATTACH PIGGYBACK WITH 3X6 TRUSS OR ALPINE PIGGYBACK SPECIAL PLATE.



JOINT TYPE	SPANS UP TO		
	30'	94'	98'
A	2x4	2.5x4	2.5x4
B	4x8	6x8	6x8
C	1.5x3	1.5x4	1.5x4
D	5x4	6x6	6x6
E	4x8 OR 3x6 TRUSS AT 4' OC, ROTATED VERTICALLY	6x6	6x6

ATTACH TRUSS PLATES WITH (6) 0.120" X 1.875" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 180 TL FOR TRUSS INFORMATION.

WEB LENGTH	WEB BRACING CHART
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 8d NAILS AT 4' OC.
10' TO 14'	2x4 "T" BRACE, SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 8d NAILS AT 4' OC.



\* PIGGYBACK SPECIAL PLATE  
 ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.875" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.

REMARKS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES GUIDING COMPONENT SAFETY DETERMINATION, FURNISHED BY THE TRUSS MANUFACTURER. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS AND ALL ATTACHED MEMBERS AND CONNECTIONS. THE TRUSS MANUFACTURER SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED 8100 CELLUC.

THIS DRAWING REPLACES DRAWINGS 634,018 634,017 & 847,045

**JULIUS LEE'S**  
 CONS. ENGINEERS P.A.  
 1488 SW 4TH AVENUE  
 DEERBAY BEACH, FL 33444-2161

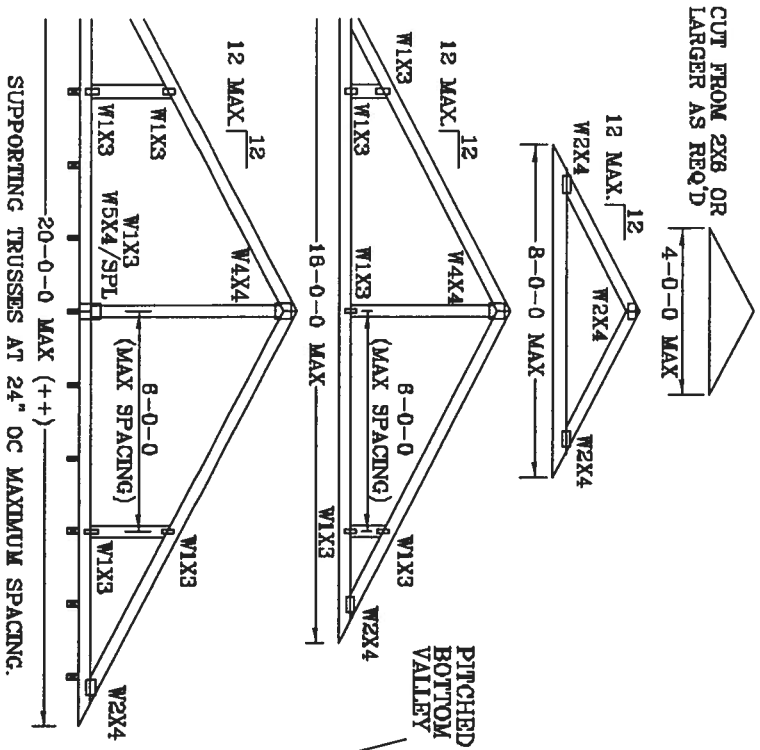
No: 34998  
 STATE OF FLORIDA

MAX LOADING	REF	PIGGYBACK
55 PSF AT	DATE	09/12/07
1.33 DUR. FAC.	DRG/MITEK	STD PIGGY
50 PSF AT	-ENG	JL
1.25 DUR. FAC.		
47 PSF AT		
1.15 DUR. FAC.		
SPACING		24.0"

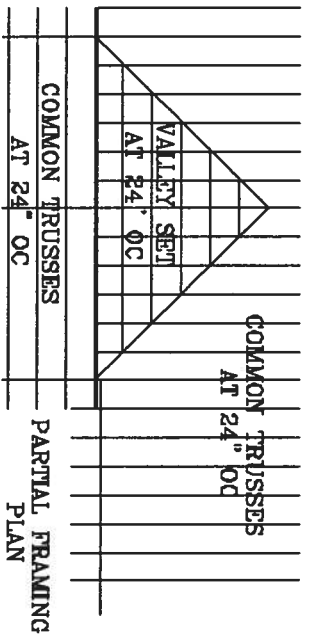
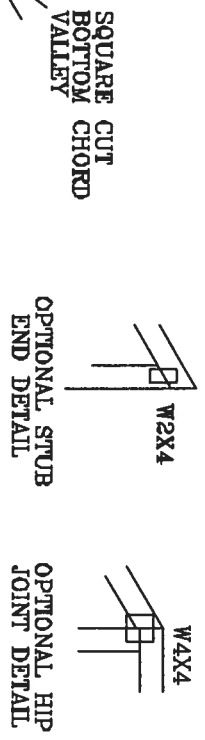
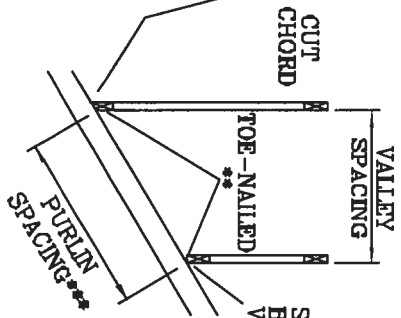
# VALLEY TRUSS DETAIL

TOP CHORD 2X4 SP #2 OR SPF #1/#2 OR BETTER.  
 BOT CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER.  
 WEBS 2X4 SP #3 OR BETTER.

\* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).  
 \*\* ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH:  
 (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR  
 FBC 2004 110 MPH, ASCE 7-02 110 MPH WIND OR (3) 16d FOR  
 ASCE 7-02 130 MPH WIND. 16" MEAN HEIGHT, ENCLOSED  
 BUILDING, EXP. C. RESIDENTIAL, WIND TC D1-5 PSF.



\*\*\* NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.  
 \*\* LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".  
 BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



REMARKS: TRUSSES SQUARE BOTTOM CHORDS TO BE FABRICATED, INCLUDING SHIPING, INSTALLING AND BRACING. REFER TO SPEC SECTION 05110 FOR MORE INFORMATION. THIS DRAWING IS THE PROPERTY OF JULIUS LEE'S CONSULTING ENGINEERS P.A. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF JULIUS LEE'S CONSULTING ENGINEERS P.A. THIS DRAWING IS THE PROPERTY OF JULIUS LEE'S CONSULTING ENGINEERS P.A. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF JULIUS LEE'S CONSULTING ENGINEERS P.A.

**JULIUS LEE'S**  
 CONSULTING ENGINEERS P.A.  
 1455 SW 4th AVENUE  
 MIAMI BEACH, FL 33134-8114

TC IL	20	20	PSF	REF	VALLEY DETAIL
TC DL	7	15	PSF	DATE	11/26/03
BC DL	5	5	PSF	DRWG	VALTRUSS1103
BC IL	0	0	PSF	-ENG	JL
TOT. LD.	32	40	PSF		

THIS DRAWING REPLACES DRAWING A105	
DUR/FAC.	1.25
SPACING	24"

No. 34888  
 STATE OF FLORIDA

# TOE-NAIL DETAIL

TOE-NAILS TO BE DRIVEN AT AN ANGLE OF APPROXIMATELY THIRTY DEGREES WITH THE PIECE AND STARTED APPROXIMATELY ONE-THIRD THE LENGTH OF THE NAIL FROM THE END OF THE MEMBER.

PER ANSI/AF&PA NDS-2001 SECTION 12.4.1 - EDGE DISTANCE, END DISTANCE, SPACING: "EDGE DISTANCES, END DISTANCES AND SPACINGS FOR NAILS AND SPIKES SHALL BE SUFFICIENT TO PREVENT SPLITTING OF THE WOOD."

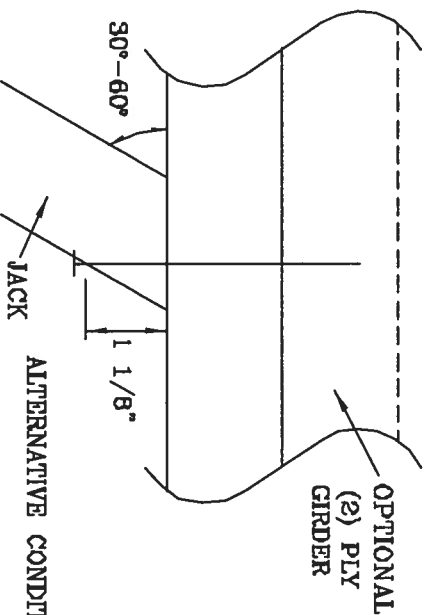
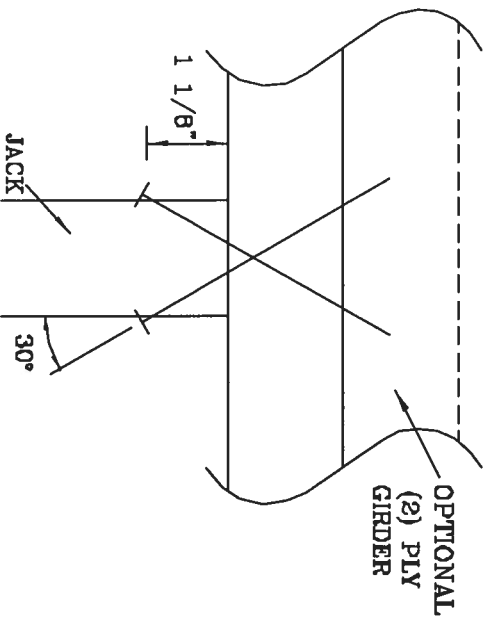
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

MAXIMUM VERTICAL RESISTANCE OF 16d (0.162"x3.5") COMMON TOE-NAILS

NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

ALL VALUES MAY BE MULTIPLIED BY APPROPRIATE DURATION OF LOAD FACTOR.



THIS DRAWING REPLACES DRAWING 784040

REMARKS: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-88 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 388 YOUNGER RD., SUITE 200, HAZLETON, VA 50719 AND VITA (L)010 TRUSS BOARD OF AMERICA, 8500 ENTERPRISE LN, MARTIN, VA 50719 FOR SAFETY PRACTICES FROM TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TIP CHORD SHALL HAVE PLYMERLY ATTACHED STRUCTURAL PANELS AND BATTEN CHORD SHALL HAVE A PLYMERLY ATTACHED ROOF DECKING.

**JULIUS LEE'S**  
CONS. ENGINEERS P.A.  
1400 BT 4TH AVENUE  
MIRAMAR BEACH, FL 32114-2100

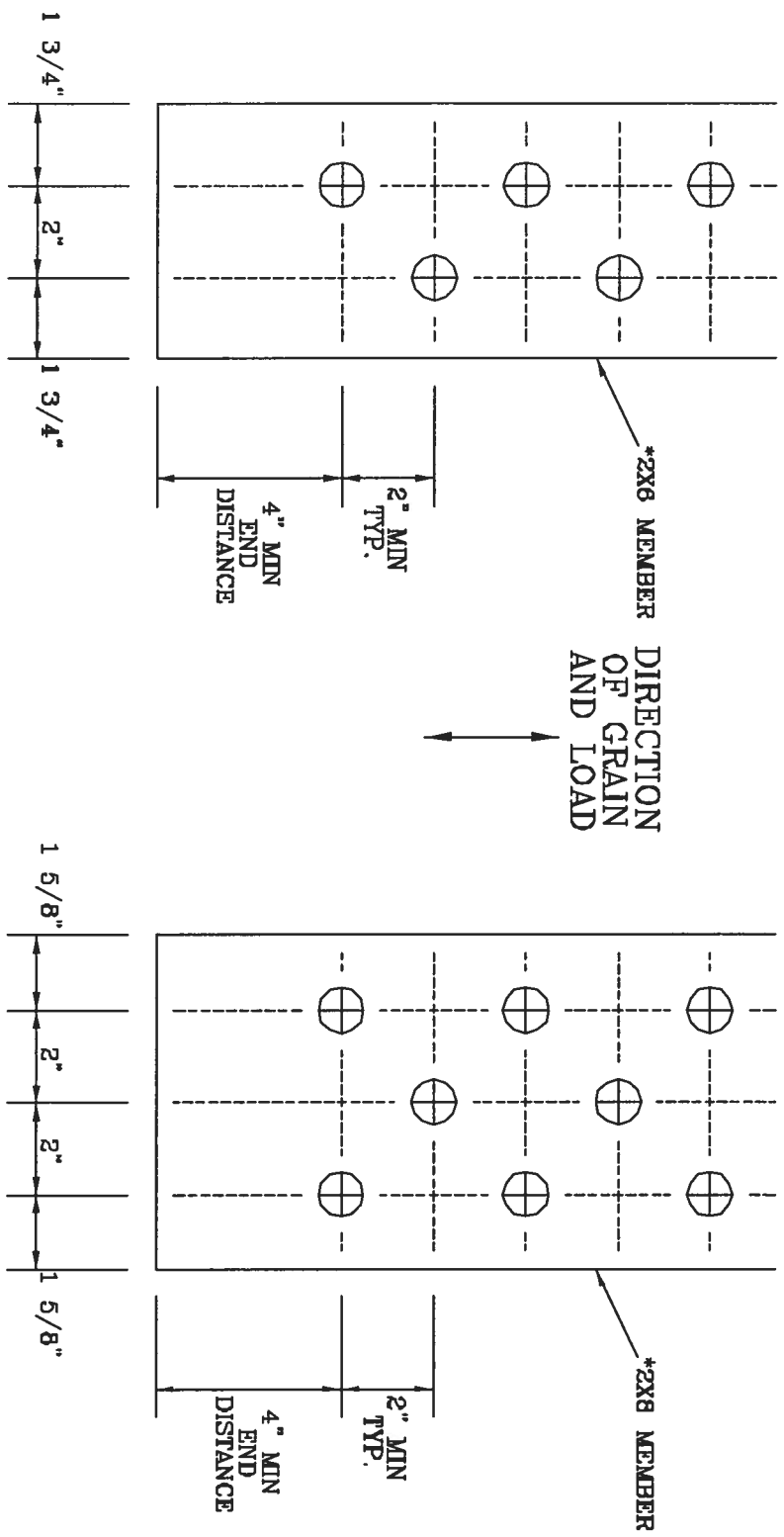
No. 34888  
STATE OF FLORIDA

TC LL	PSF	REF	TOE-NAIL
TC DL	PSF	DATE	09/12/07
BC DL	PSF	DRWG	CNTONAIL103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

# 1/2" DIAMETER BOLT SPACING FOR LOAD APPLIED PARALLEL TO GRAIN.

\* GRADE AND SPECIES AS SPECIFIED ON THE ALPINE DESIGN.  
 BOLT HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN BOLT DIAMETER.

TYPICAL LOCATION OF 1/2" DIAMETER THRU BOLTS. BOLT QUANTITIES AS NOTED ON SEALED DESIGN MUST BE APPLIED IN ONE OF THE PATTERNS SHOWN BELOW.  
 WASHERS REQUIRED UNDER BOLT HEAD AND NUT



2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A828.016

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO WEST-80 BUILDING CONSTRUCTION SAFETY INFORMATION, PUBLISHED BY THE GLASS PLATE INSTITUTE, 560 DORCHESTER DR., SUITE 600, WASHINGTON, VA 22779 AND VTRC VIDEO TRUSS CONSTRUCTION. FOR DIVERSE INFORMATION, VISIT US FOR SAFETY PRACTICES PRIOR TO PERFORMING STRUCTURAL PANELS AND SECTION CHORDS SHALL HAVE A PROPERLY ATTACHED GRID CEILING.

**JULIUS LEFF'S**  
 CONS. ENGINEERS P.A.  
 1400 ST. 4th AVENUE  
 DELRAY BEACH, FL 33444-2161

No. 34869  
 STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOL/SP1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

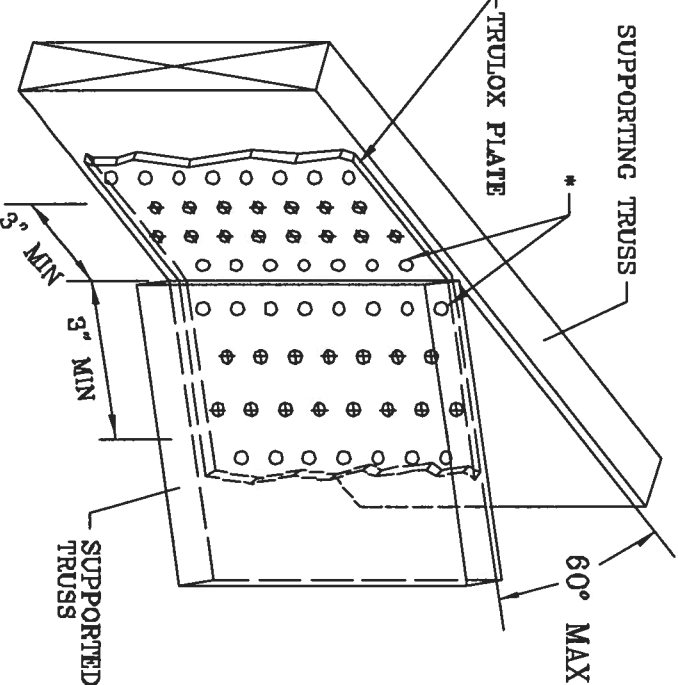
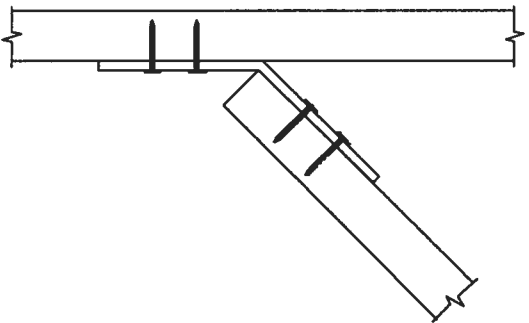
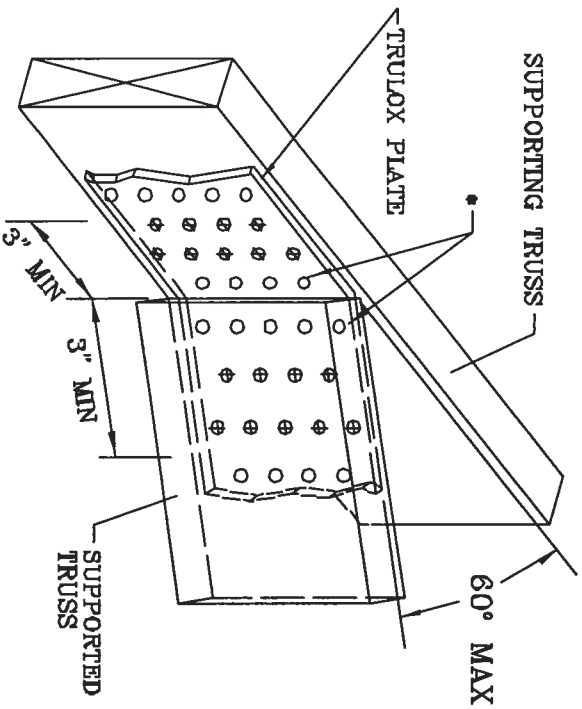
# TRULOX CONNECTION DETAIL

11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

\* NAILS MAY BE OMITTED FROM THESE ROWS.

THIS DETAIL MAY BE USED WITH SO. PINE, DOUGLAS-FIR OR HEM-FIR CHORDS WITH A MINIMUM 1.00 DURATION OF LOAD OR SPRUCE-PINE-FIR CHORDS WITH A MINIMUM 1.15 DURATION OF LOAD. CHORD SIZE OF BOTH TRUSSES MUST EXCEED THE TRULOX PLATE WIDTH.

TRULOX PLATE IS CENTERED ON THE CHORDS AND BENT BETWEEN NAIL ROWS.  
REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.



TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350#
6X6	16	990#

THIS DRAWING REPLACES DRAWINGS 1,158,989 1,158,989/R  
1,154,944 1,152,217 1,152,017 1,159,154 & 1,151,524

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO AC308 (1990) (BUILDING DEPARTMENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 3843 YONKERS DR, SUITE 200, WALTERS, VA 22779) AND VITA CYCLO TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, WATSON, VA 22779 FOR SAFETY PRACTICES PRIOR TO PERFORMING THE CONNECTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROTECTIVE ATTACHED STRUCTURAL PANELS AND JOINTS SHOULD HAVE A PROTECTIVE ATTACHED ROOF CEILING.

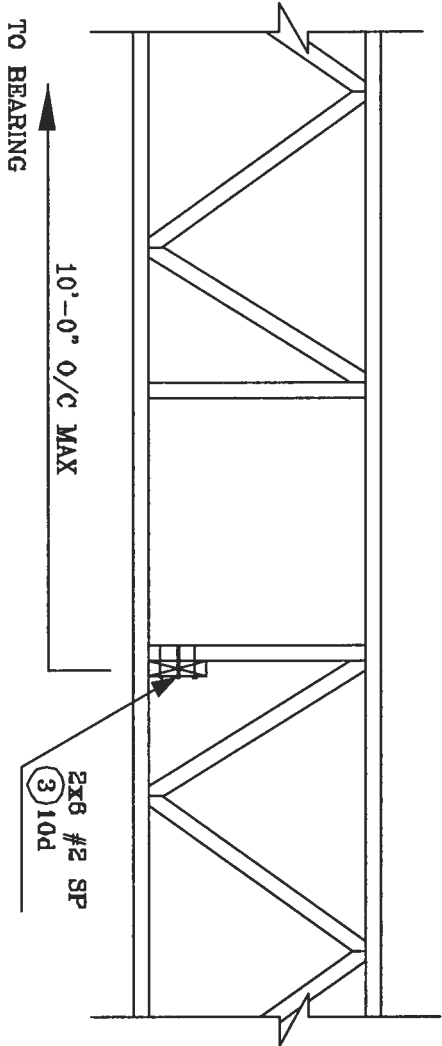
**JULIUS LEE'S**  
CONS. ENGINEERS P.A.

1425 SW 4TH AVENUE  
DECATUR, GA 30034-2808

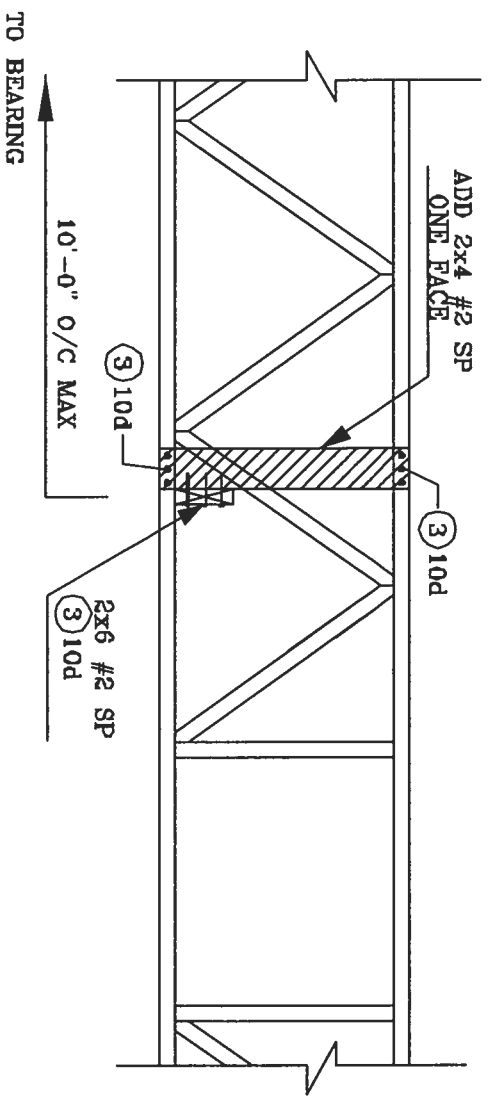
No: 34869  
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/09
DWG	CNTRULOX1103
—ENG	IL

**STRONG BACK DETAIL  
SYSTEM-42 OR FLAT TRUSS**



**ALTERNATE DETAIL FOR  
STRONG BACK WITH VERTICAL  
NOT LINING UP**



**JULIUS LEE'S**  
CONS. ENGINEERS P.A.

1426 SW 4th AVENUE  
OCEARLY BEACH, FL 33441-2401

No: 24869  
STATE OF FLORIDA