

Julius Lee Engineering

RE: 317548 - HOUSECRAFT - FARRIMOND RES.

**1109 Coastal Bay Blvd.
Boynton Beach, FL 33435**

Site Information:

Project Customer: HOUSECRAFT HOMES Project Name: 317548 Model: CUSTOM
Lot/Block: Subdivision:
Address: 5850 NW LAKE JEFFREY RD
City: COLUMBIA CTY State: FL

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

Name: JOHN D. HARRINGTON License #: CGC038861
Address: 24113 NW OLD BELLAMY RD
City: HIGH SPRINGS, State: FL

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

Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.1
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 32.0 psf

This package includes 32 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 16G15-23.003 of the Florida Board of Professionals Rules

In the event of changes from Builder or E.O.R. additional coversheets and drawings may accompany this coversheet. The latest approval dates supersede and replace the previous drawings.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	I4143016	CJ1	10/29/09	18	I4143033	T11	10/29/09
2	I4143017	CJ3	10/29/09	19	I4143034	T12	10/29/09
3	I4143018	CJ5	10/29/09	20	I4143035	T13	10/29/09
4	I4143019	CJ5A	10/29/09	21	I4143036	T14	10/29/09
5	I4143020	EJ7	10/29/09	22	I4143037	T15	10/29/09
6	I4143021	HJ9	10/29/09	23	I4143038	T16	10/29/09
7	I4143022	T01	10/29/09	24	I4143039	T17	10/29/09
8	I4143023	T01G	10/29/09	25	I4143040	T18	10/29/09
9	I4143024	T02	10/29/09	26	I4143041	T19	10/29/09
10	I4143025	T03	10/29/09	27	I4143042	T20	10/29/09
11	I4143026	T04	10/29/09	28	I4143043	T21G	10/29/09
12	I4143027	T05	10/29/09	29	I4143044	T22	10/29/09
13	I4143028	T06	10/29/09	30	I4143045	T22G	10/29/09
14	I4143029	T07	10/29/09	31	I4143046	T23	10/29/09
15	I4143030	T08	10/29/09	32	I4143047	T24	10/29/09
16	I4143031	T09	10/29/09				
17	I4143032	T10	10/29/09				

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

Truss Design Engineer's Name: Julius Lee

My license renewal date for the state of Florida is February 28, 2011.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.



October 29, 2009



Job 317548	Truss CJ1	Truss Type JACK	Qty 6	Ply 1	HOUSECRAFT - FARRIMOND RES. Job Reference (Optional) 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:26 2009 Page 1	I4143016
---------------	--------------	--------------------	----------	----------	--	----------

Builders FirstSource, Lake City, FL 32055

Scale = 1:7.9

LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 0.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2007/TPI2002	CSI TC 0.16 BC 0.01 WB 0.00 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.00 2 >999 360 Vert(TL) -0.00 2 >999 240 Horz(TL) 0.00 3 n/a n/a Wind(LL) 0.00 2 **** 240	PLATES GRIP MT20 244/190 Weight: 6 lb
---	---	---	--	---

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

REACTIONS (lb/size) 2=162/0-7-8, 4=5/Mechanical, 3=32/Mechanical
 Max Horz 2=79(LC 6)
 Max Uplift 2=198(LC 6), 3=32(LC 1)
 Max Grav 2=162(LC 1), 4=14(LC 2), 3=60(LC 6)

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

NOTES (8-9)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SYP No.2.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 2 and 32 lb uplift at joint 3.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

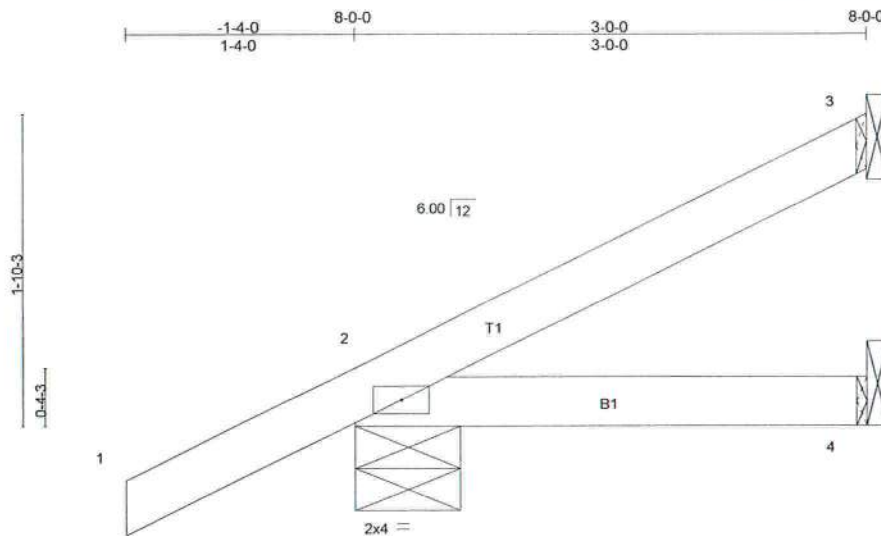
Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	CJ3	JACK	6	1	

I4143017

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:27 2009 Page 1



Scale = 1:13.0

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.20	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(LL) -0.00 2-4 >999 360		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2-4 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.01 2-4 >999 240		
				Weight: 12 lb	

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

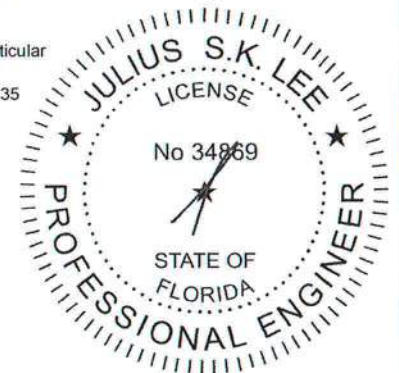
REACTIONS (lb/size) 3=43/Mechanical, 2=201/0-7-8, 4=13/Mechanical
Max Horz 2=133(LC 6)
Max Uplift 3=45(LC 6), 2=227(LC 6), 4=32(LC 4)
Max Grav 3=43(LC 1), 2=201(LC 1), 4=39(LC 2)

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

NOTES (8-9)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 3, 227 lb uplift at joint 2 and 32 lb uplift at joint 4.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009



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

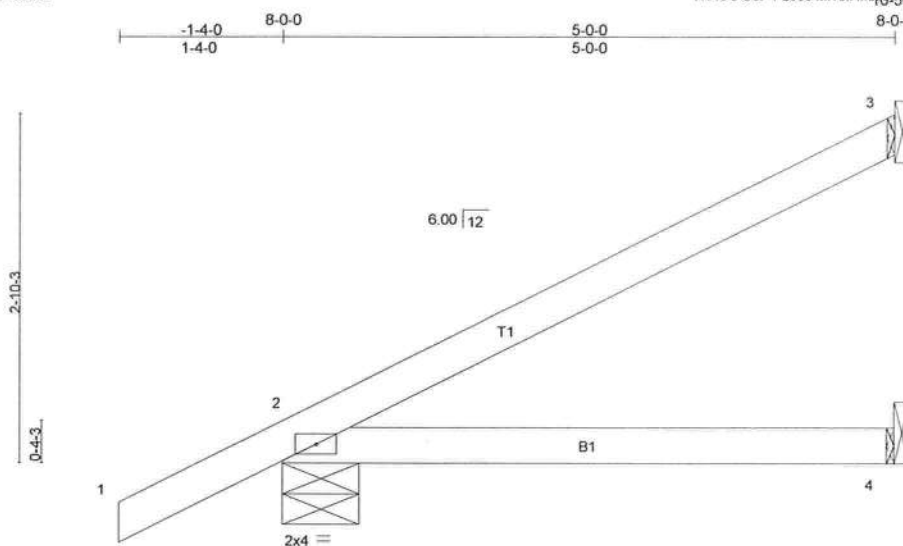
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and 8CSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	I4143018
317548	CJS	JACK	5	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:27 2009 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(LL) -0.02 2-4 >999 360		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.04 2-4 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.09 2-4 >608 240		
				Weight: 18 lb	

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size)

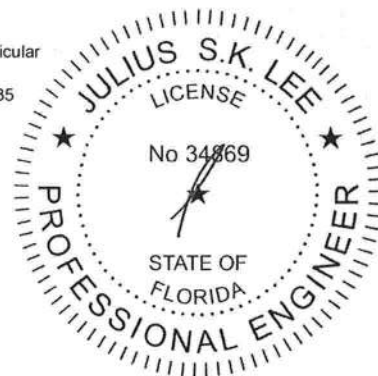
3=109/Mechanical, 2=253/0-7-8, 4=23/Mechanical
Max Horz 2=189(LC 6)
Max Uplift 3=-124(LC 6), 2=-267(LC 6), 4=-56(LC 4)
Max Grav 3=109(LC 1), 2=253(LC 1), 4=69(LC 2)

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

NOTES (8-9)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SYP No.2 .
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 3, 267 lb uplift at joint 2 and 56 lb uplift at joint 4.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and 8CS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

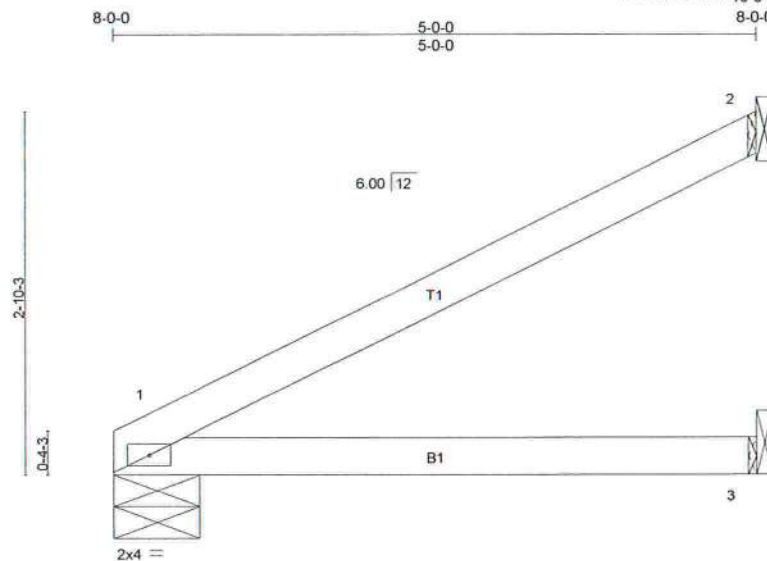
Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	CJ5A	JACK	1	1	

14143019

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:28 2009 Page 1



Scale = 1:17.2

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.38	Vert(LL)	-0.02	1-3	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.28	Vert(TL)	-0.04	1-3	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.09	1-3	>617	240		
									Weight: 16 lb	

LUMBER

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

BRACING

TOP CHORD
BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

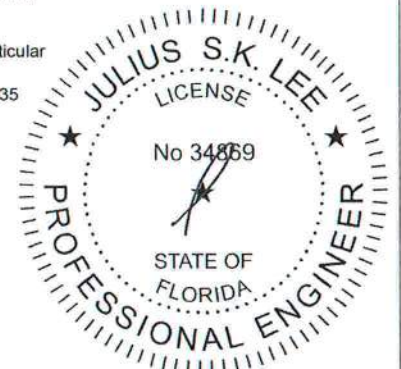
REACTIONS (lb/size) 1=147/0-8-0, 2=124/Mechanical, 3=23/Mechanical
Max Horz 1=140(LC 6)
Max Uplift 1=127(LC 6), 2=147(LC 6), 3=56(LC 4)
Max Grav 1=147(LC 1), 2=124(LC 1), 3=69(LC 2)

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

NOTES (8-9)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCCL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SYP No.2.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 1, 147 lb uplift at joint 2 and 56 lb uplift at joint 3.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and 8CSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 317548	Truss EJ7	Truss Type MONO TRUSS	Qty 30	Ply 1	HOUSECRAFT - FARRIMOND RES
Builders FrstSource, Lake City, FL 32055					Job Reference (optional) 7.140 s Jun 24 2009 MiTek Industries, Inc. Thu Oct 29 13:04:15 2009 Page 1

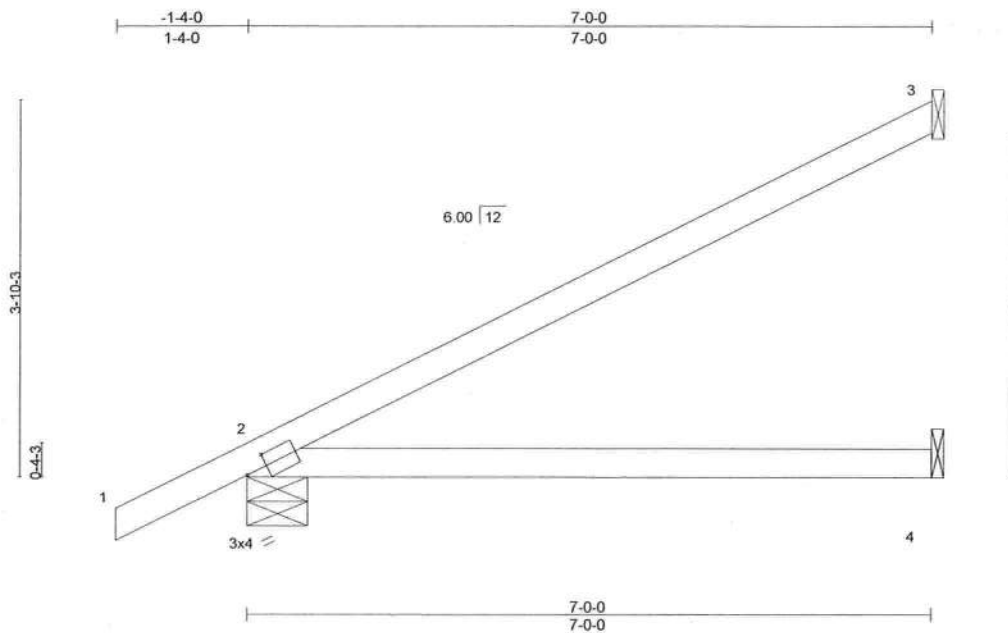


Plate Offsets (X,Y): [2:0-2-10,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.63	Vert(LL)	-0.08	2-4	>992	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.57	Vert(TL)	-0.16	2-4	>500	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code	FBC2007/TPI2002	(Matrix)	Wind(LL)	0.39	2-4	>205	240		
									Weight: 24 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" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

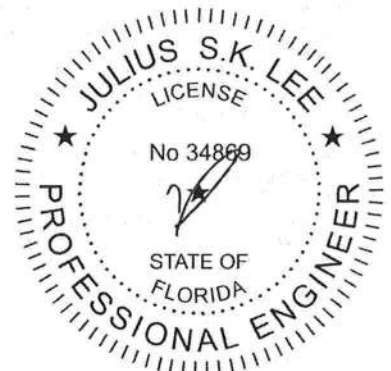
REACTIONS (lb/size) 3=157/Mechanical, 2=312/0-7-8, 4=43/Mechanical
Max Horz 2=175(LC 6)
Max Uplift 3=123(LC 6), 2=245(LC 6), 4=82(LC 6)
Max Grav 3=157(LC 1), 2=312(LC 1), 4=94(LC 2)

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

NOTES (7-8)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 3, 245 lb uplift at joint 2 and 82 lb uplift at joint 4.
- 6) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 7) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 8) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009



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

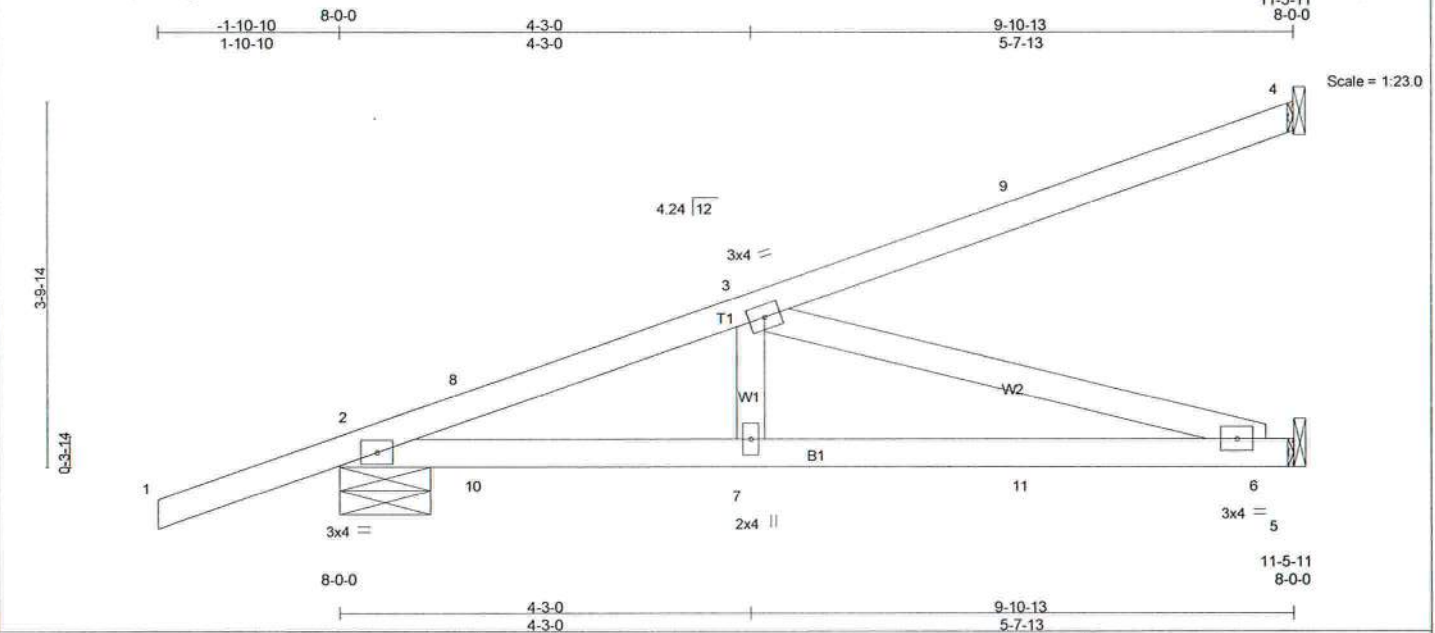
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	14143021
317548	HJ9	MONO TRUSS	3	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:29 2009 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.57	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.47	Vert(LL) -0.07 6-7 >999 360		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.36	Vert(TL) -0.13 6-7 >852 240		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.01 5 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.15 6-7 >783 240		
				Weight: 43 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
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 6-1-15 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=174/Mechanical, 2=419/0-11-6, 5=201/Mechanical
Max Horz 2=246(LC 3)
Max Uplift 4=-193(LC 3), 2=-577(LC 3), 5=-328(LC 3)
Max Grav 4=174(LC 1), 2=419(LC 1), 5=230(LC 2)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-658/801, 3-8=-605/802
BOT CHORD 2-10=-888/598, 7-10=-888/598, 7-11=-888/598, 6-11=-888/598
WEBS 3-6=-622/924

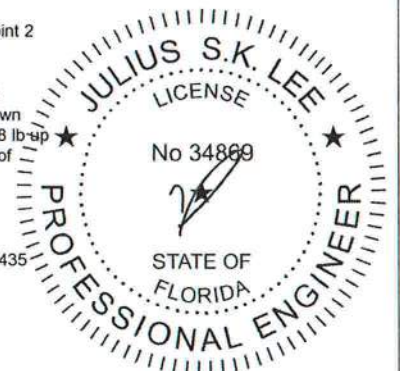
NOTES (10-11)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) All bearings are assumed to be SYP No.2.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 4, 577 lb uplift at joint 2 and 328 lb uplift at joint 5.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 22 lb up at 1-5-12, 22 lb up at 1-5-12, 3 lb down and 28 lb up at 4-3-11, 3 lb down and 28 lb up at 4-3-11, and 55 lb down and 108 lb up at 7-1-10, and 55 lb down and 108 lb up at 7-1-10 on top chord, and 16 lb up at 1-5-12, 16 lb up at 1-5-12, 9 lb down and 8 lb up at 4-3-11, 9 lb down and 8 lb up at 4-3-11, and 39 lb down and 32 lb up at 7-1-10, and 39 lb down and 32 lb up at 7-1-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 2-5=-10

Continued on page 2



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

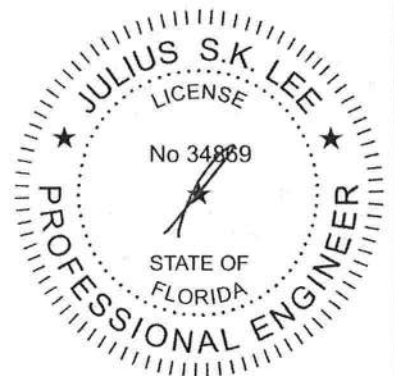
Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	14143021
317548	HJ9	MONO TRUSS	3	1	Job Reference (optional)	
Builders FirstSource, Lake City, FL 32055			7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:29 2009 Page 2			

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=22(F=11, B=11) 7=-6(F=-3, B=-3) 8=45(F=22, B=22) 9=-110(F=-55, B=-55) 10=11(F=5, B=5) 11=-26(F=-13, B=-13)



October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T01	COMMON	10	1	
Builders FirstSource, Lake City, FL 32055					
7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:30 2009 Page 1					
Job Reference (optional)					

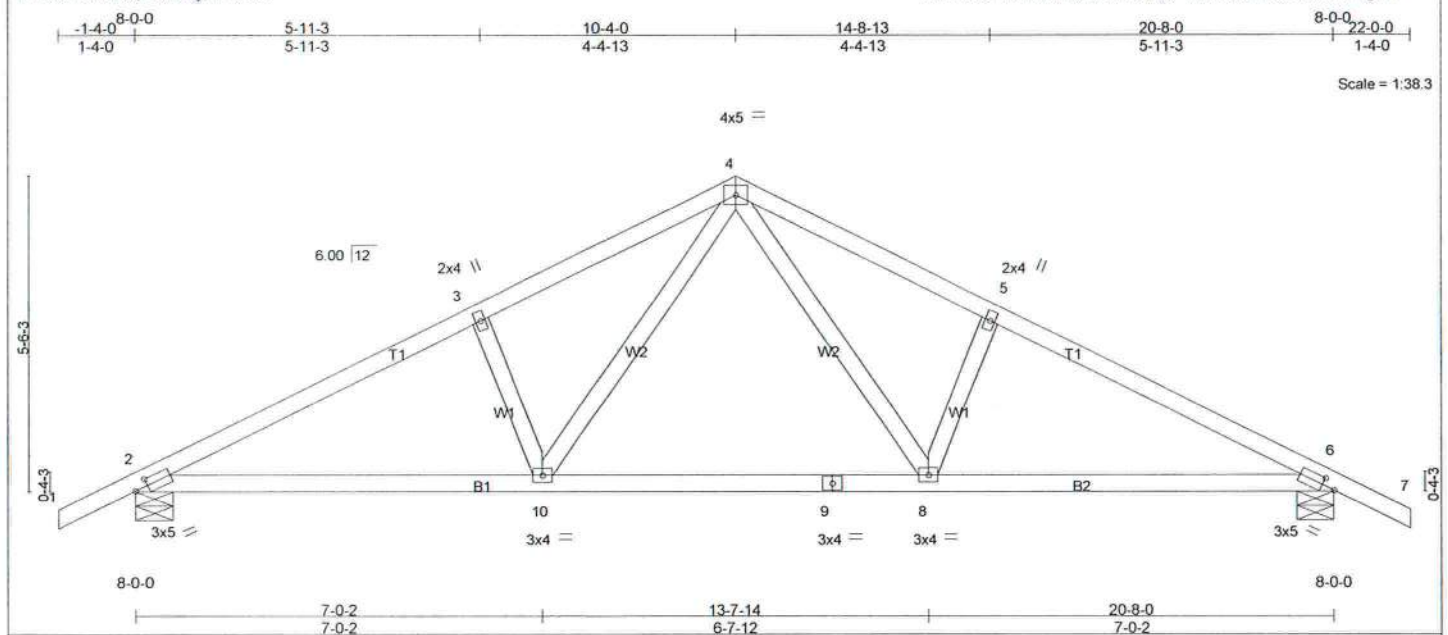


Plate Offsets (X,Y): [2-0-2-10,0-1-8], [6-0-2-10,0-1-8]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.37	in (loc) l/defl L/d	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.61	Vert(LL) -0.15 8-10 >999 360	GRIP
BCLL 0.0	Rep Stress Incr	NO	WB 0.32	Vert(TL) -0.30 8-10 >808 240	244/190
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Horz(TL) 0.04 6 n/a n/a	
				Wind(LL) 0.23 8-10 >999 240	Weight: 96 lb

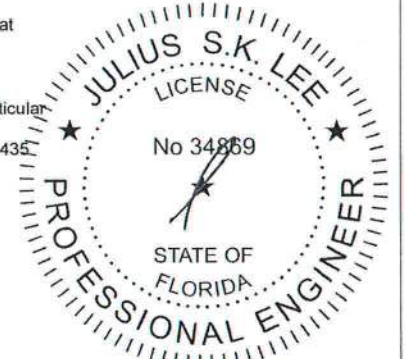
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-2 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-11-2 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size)	2=930/0-7-8, 6=930/0-7-8
Max Horz 2=-103(LC 7)	
Max Uplift 2=-367(LC 6), 6=-367(LC 7)	

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD 2-3=-1532/1083, 3-4=-1415/1133, 4-5=-1415/1133, 5-6=-1532/1083	
BOT CHORD 2-10=-788/1289, 9-10=-427/891, 8-9=-427/891, 6-8=-788/1289	
WEBS 4-8=-476/607, 5-8=-229/295, 4-10=-476/607, 3-10=-229/295	

- NOTES (9-10)**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - All bearings are assumed to be SYP No.2.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 2 and 367 lb uplift at joint 6.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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



October 29, 2009

<p>WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.</p> <p>Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.</p>	<p>Julius Lee Engineering 1109 Coastal Bay Blvd. Boynton, FL 33435</p>
--	--

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	14143023
317548	T01G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:31 2009 Page 1

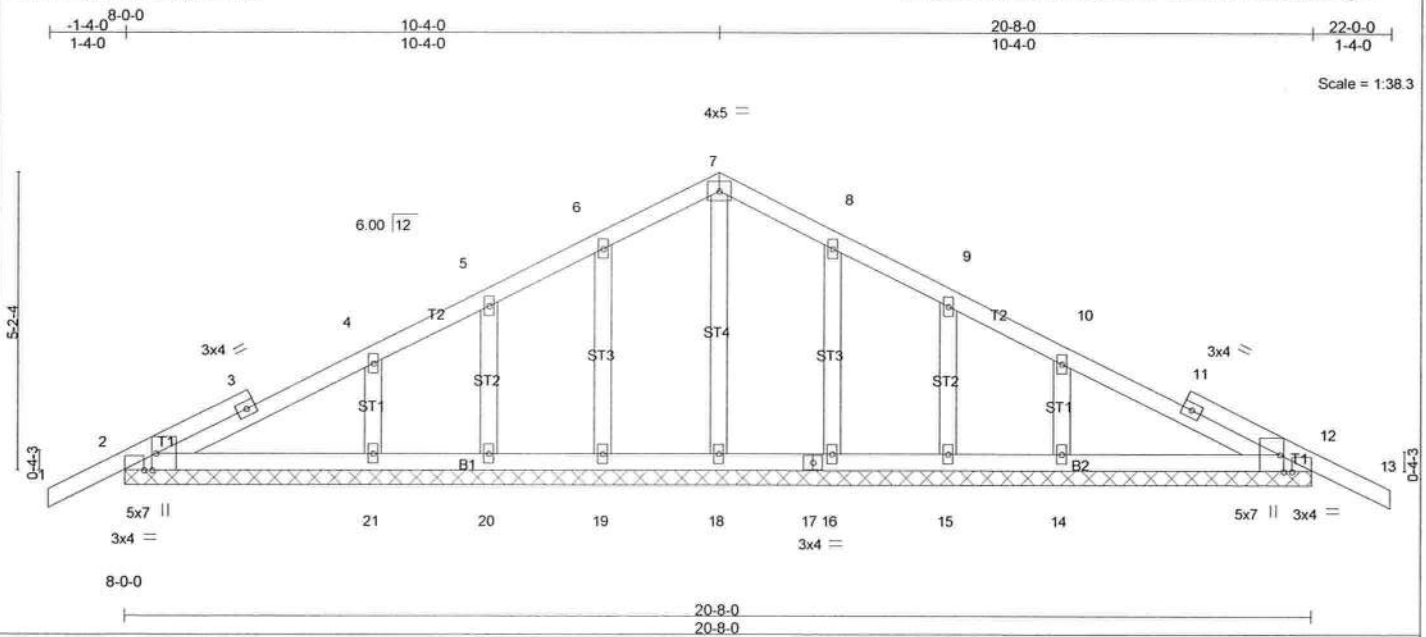


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-2-8,Edge], [12:0-3-8,Edge], [12:0-2-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.19	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.10	Vert(LL) 0.00 13 n/r 120		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.08	Vert(TL) 0.01 13 n/r 90		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Horz(TL) 0.01 12 n/a n/a		
				Weight: 106 lb	

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

BRACING
 TOP CHORD
 BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS All bearings 20-8-0.

(lb) - Max Horz 2=-113(LC 7)

Max Uplift All uplift 100 lb or less at joint(s) 18 except 2=-195(LC 6), 12=-213(LC 7), 19=-158(LC 6), 20=-108(LC 6), 21=-238(LC 6), 16=-157(LC 7), 15=-107(LC 7), 14=-243(LC 7)

Max Grav All reactions 250 lb or less at joint(s) 18, 19, 20, 16, 15 except 2=273(LC 10), 12=273(LC 11), 21=340(LC 10), 14=340(LC 11)

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

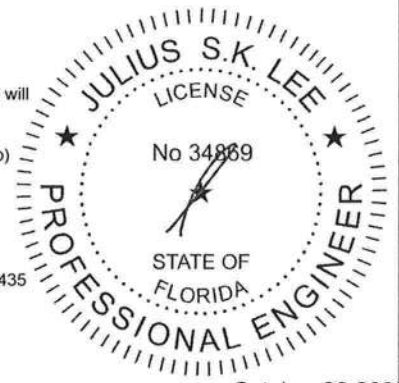
WEBS 4-21=-290/290, 10-14=-290/290

NOTES (13-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 18 except (jt=lb) 2=195, 12=213, 19=158, 20=108, 21=238, 16=157, 15=107, 14=243.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

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



October 29, 2009

Continued on page 2



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T01G	GABLE	1	1	Job Reference (optional)

I4143023

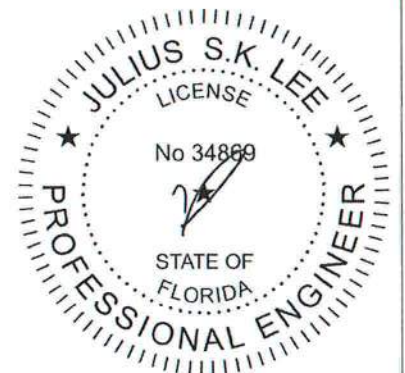
Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:31 2009 Page 2

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-7=-79(F=-25), 7-13=-79(F=-25), 2-12=-10



October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and 8CSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T02	MONO HIP	1	1	

I4143024

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:32 2009 Page 1

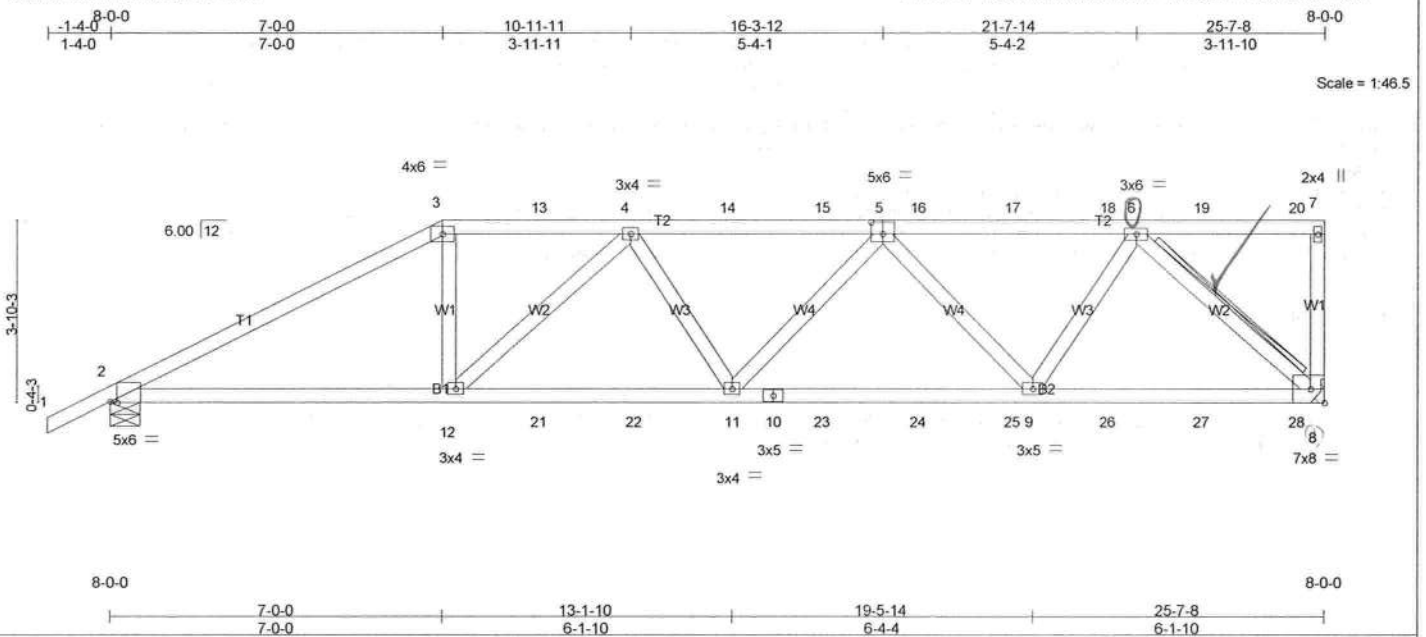


Plate Offsets (X,Y): [2:0-1-11,Edge], [5:0-3-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.63	Vert(LL)	-0.15	11-12	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.70	Vert(TL)	-0.30	11-12	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.48	Horz(TL)	0.11	8	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.32	11-12	>941	240		Weight: 129 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 3-1-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 3-7-1 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

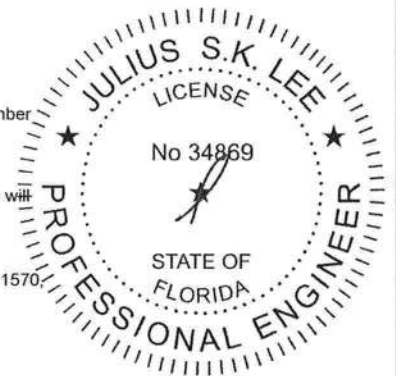
REACTIONS (lb/size) 8=1743/Mechanical, 2=1637/0-7-8
 Max Horz 2=177(LC 5)
 Max Uplift 8=-1570(LC 4), 2=-1395(LC 5)

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

TOP CHORD 2-3=-2958/2660, 3-13=-2570/2421, 4-13=-2569/2420, 4-14=-3051/2810, 14-15=-3051/2810, 5-15=-3051/2810, 5-16=-2185/1982, 16-17=-2185/1982, 17-18=-2185/1982, 6-18=-2185/1982
BOT CHORD 2-12=-2387/2536, 12-21=-2808/3066, 21-22=-2808/3066, 11-22=-2808/3066, 10-11=-2587/2881, 10-23=-2587/2881, 23-24=-2587/2881, 24-25=-2587/2881, 9-25=-2587/2881, 9-26=-1419/1603, 26-27=-1419/1603, 27-28=-1419/1603, 8-28=-1419/1603
WEBS 3-12=-853/804, 4-12=-678/578, 5-11=-356/342, 5-9=-1045/907, 6-9=-1084/1118, 6-8=-2161/1907

NOTES (12-14)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SYP No.2.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=1570, 2=1395.
- 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.



October 29, 2009

Continued on page 2

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T02	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:32 2009 Page 2

NOTES (12-14)

- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 223 lb down and 283 lb up at 7-0-0, 103 lb down and 107 lb up at 9-0-12, 103 lb down and 107 lb up at 11-0-12, 103 lb down and 107 lb up at 13-0-12, 103 lb down and 107 lb up at 15-0-12, 103 lb down and 107 lb up at 17-0-12, 103 lb down and 107 lb up at 19-0-12, 103 lb down and 107 lb up at 21-0-12, and 103 lb down and 107 lb up at 23-0-12, and 103 lb down and 107 lb up at 25-0-12 on top chord, and 264 lb down and 423 lb up at 7-0-0, 64 lb down and 88 lb up at 9-0-12, 64 lb down and 88 lb up at 11-0-12, 64 lb down and 88 lb up at 13-0-12, 64 lb down and 88 lb up at 15-0-12, 64 lb down and 88 lb up at 17-0-12, 64 lb down and 88 lb up at 19-0-12, 64 lb down and 88 lb up at 21-0-12, and 64 lb down and 88 lb up at 23-0-12, and 64 lb down and 88 lb up at 25-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 13) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- 14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard

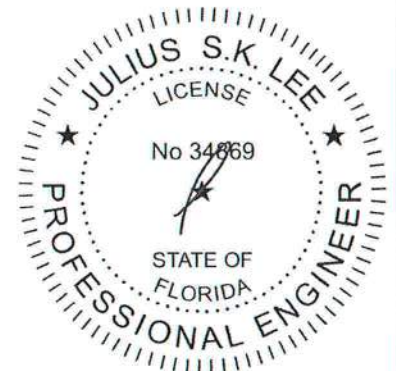
- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-7=-54, 2-8=-10

Concentrated Loads (lb)

Vert: 3=-223(B) 12=-224(B) 4=-103(B) 11=-33(B) 13=-103(B) 14=-103(B) 15=-103(B) 16=-103(B) 17=-103(B) 18=-103(B) 19=-103(B) 20=-103(B) 21=-33(B) 22=-33(B) 23=-33(B) 24=-33(B) 25=-33(B) 26=-33(B) 27=-33(B) 28=-33(B)



October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and 8CSI1 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

A circular professional engineer seal for Julius S.K. Lee. The outer ring contains the text "JULIUS S.K. LEE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. The center of the seal features the license number "No 34869". A star is positioned below the license number, and a signature is written across the center of the seal.

October 29, 2009

Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not Truss design. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BC511 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T04	HIP	1	1	

I4143026

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:34 2009 Page 1

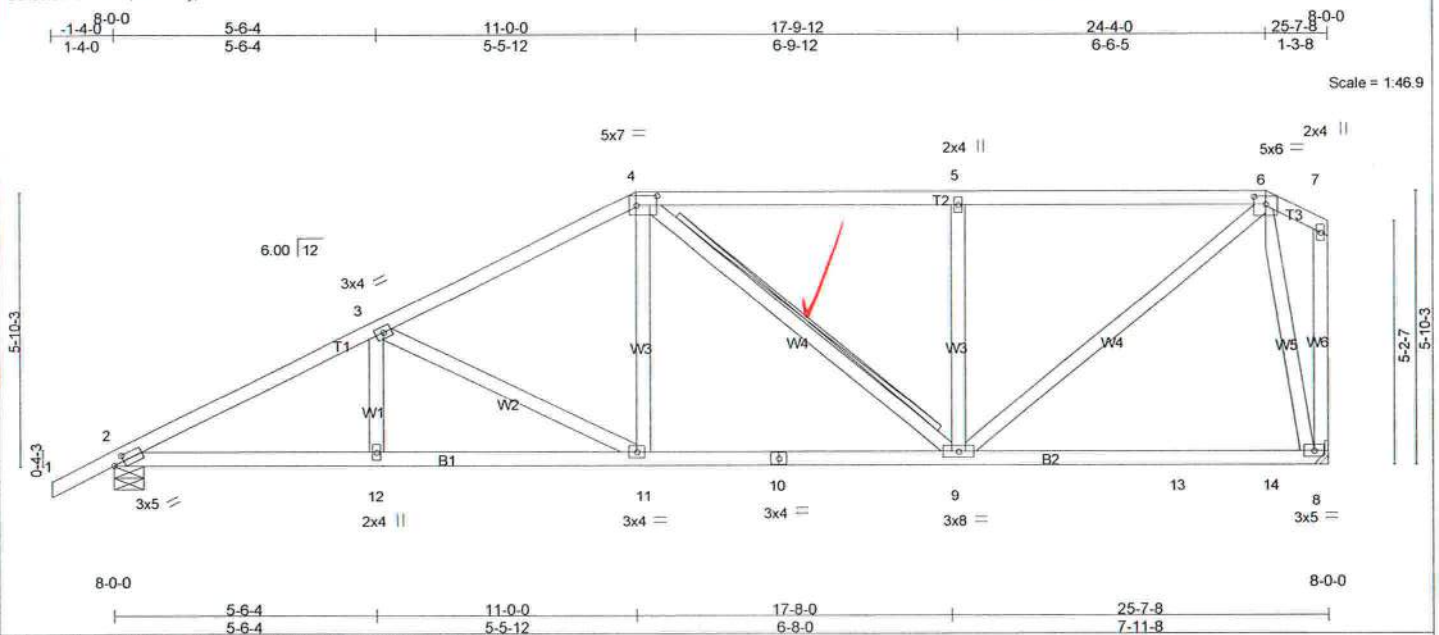


Plate Offsets (X,Y): [2:0-2-10,0-1-8], [4:0-5-4,0-2-8], [6:0-3-0,0-2-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.34	Vert(LL)	-0.09	8-9	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.32	Vert(TL)	-0.16	8-9	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.80	Horz(TL)	0.04	8	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.08	11-12	>999	240		
									Weight: 149 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*
 W6: 2 X 4 SYP No.2

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-1-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-3-5 oc bracing.
 WEBS T-Brace: 2 X 4 SYP No.3 - 4-9
 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.

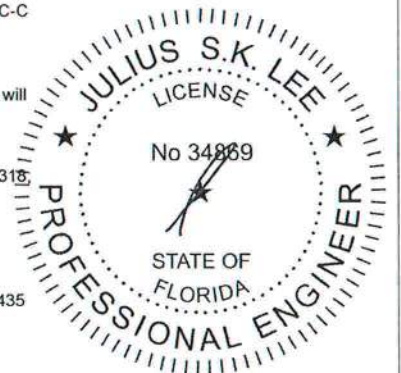
MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=904/0-7-8, 8=877/Mechanical
 Max Horz 2=240(LC 6)
 Max Uplift 2=-318(LC 6), 8=-269(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1462/915, 3-4=-1091/742, 4-5=-850/633, 5-6=-850/633
 BOT CHORD 2-12=-1019/1233, 11-12=-1019/1233, 10-11=-701/918, 9-10=-701/918
 WEBS 3-11=-358/360, 4-11=-130/286, 5-9=-415/367, 6-9=-618/884, 6-8=-809/627

- NOTES** (11-13)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
 - All bearings are assumed to be SYP No.2.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=318, 8=269.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
 - Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	14143027
317548	T05	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:35 2009 Page 1

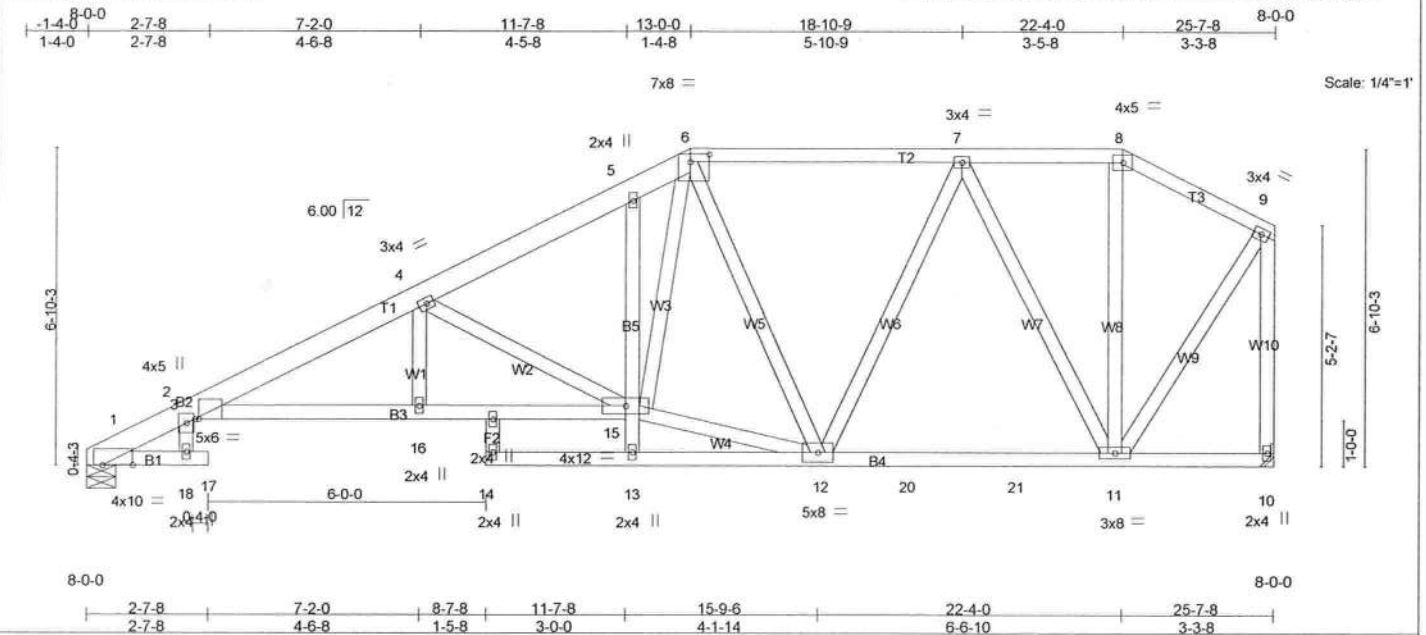


Plate Offsets (X,Y): [1:0-7-14,0-0-2], [3:0-1-0,0-0-0], [6:0-5-0,0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.70	Vert(LL) -0.18 3-16 >999 360		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.58	Vert(TL) -0.39 14 >757 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.23 10 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.31 3-16 >973 240		
				Weight: 186 lb	

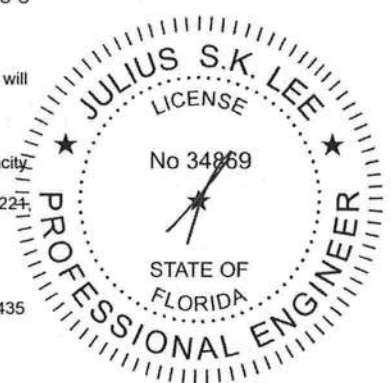
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2 *Except*	TOP CHORD Structural wood sheathing directly applied or 3-1-1 oc purlins, except end verticals.
T1: 2 X 6 SYP No.1D	
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 5-0-10 oc bracing. Except:
B2,B5: 2 X 4 SYP No.3	10-0-0 oc bracing: 13-15
WEBS 2 X 4 SYP No.3 *Except*	
W10: 2 X 4 SYP No.2	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=842/0-7-8, 10=877/Mechanical
Max Horz 1=216(LC 6)
Max Uplift 1=-221(LC 6), 10=-205(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-706/265, 2-3=-287/71, 3-4=-1938/1274, 4-5=-1321/874, 5-6=-1189/897,
6-7=-784/602, 7-8=-402/339, 8-9=-486/330, 9-10=-884/583
BOT CHORD 3-16=-1400/1795, 15-16=-1400/1795, 12-20=-442/672, 20-21=-442/672, 11-21=-442/672
WEBS 4-15=-803/734, 12-15=-582/952, 6-15=-514/660, 6-12=-393/336, 7-12=-148/279,
7-11=-614/445, 9-11=-426/718

- NOTES** (11-13)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
 - All bearings are assumed to be SYP No.2
 - Refer to girder(s) for truss to truss connections.
 - Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=224, 10=205.
 - "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 - Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
 - Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



October 29, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T06	SPECIAL	1	1	

14143028

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:36 2009 Page 1

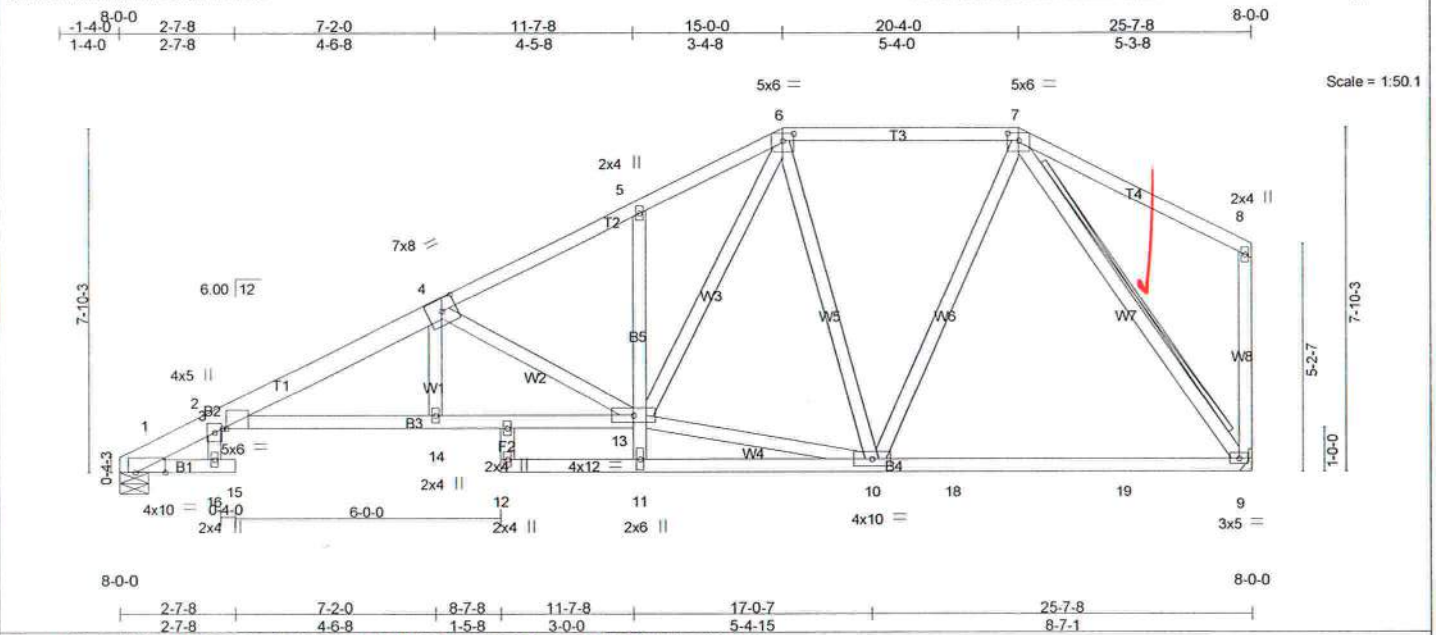


Plate Offsets (X,Y): [1.0-8-3.0-0-1], [3.0-1.0-0-0-0], [4.0-4.0-0-3-4], [6.0-3.0-0-2-0], [7.0-3.0-0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.85	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.70	Vert(LL) -0.22 9-10 >999 360		
BCLL 0.0	Lumber Increase 1.25	WB 0.58	Vert(TL) -0.43 12 >686 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.24 9 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.33 3-14 >914 240		
				Weight: 174 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
T1: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except*
B2,B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W8: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-9-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-7 oc bracing. Except:
10-0-0 oc bracing: 11-13
T-Brace: 2 X 4 SYP No.3 - 7-9
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=846/0-7-8, 9=933/Mechanical
Max Horz 1=230(LC 6)
Max Uplift 1=-231(LC 6), 9=-207(LC 6)

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

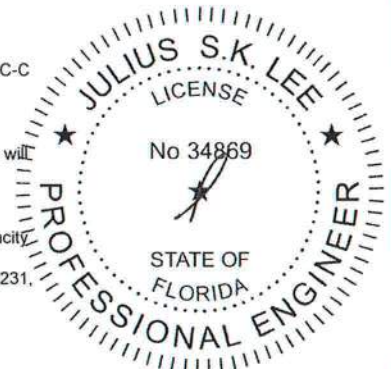
TOP CHORD 1-2=-710/270, 2-3=-287/72, 3-4=-1879/1226, 4-5=-1319/886, 5-6=-1259/986,
6-7=-673/558

BOT CHORD 3-14=-1339/1723, 13-14=-1337/1717, 10-18=-311/497, 18-19=-311/497, 9-19=-311/497

WEBS 4-13=-711/652, 10-13=-423/801, 6-13=-627/738, 6-10=-388/347, 7-10=-221/476,
7-9=-831/534

NOTES (12-14)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
- 6) All bearings are assumed to be SYP No.2.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=231, 9=207.
- 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.



October 29, 2009

Continued on page 2

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

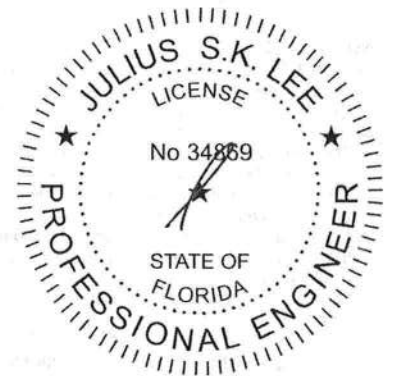
Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	14143028
317548	T06	SPECIAL	1	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:36 2009 Page 2

- 12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TP1 1 as referenced by the building code.
- 13) Truss Design Engineer: Julius Lee, PE; Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- 14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TP11 Quality Criteria, D58-89 and BCS11 Building Component**

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T07	SPECIAL	1	1	
Builders FrstSource, Lake City, FL 32055					
7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:37 2009 Page 1					
Job Reference (optional)					

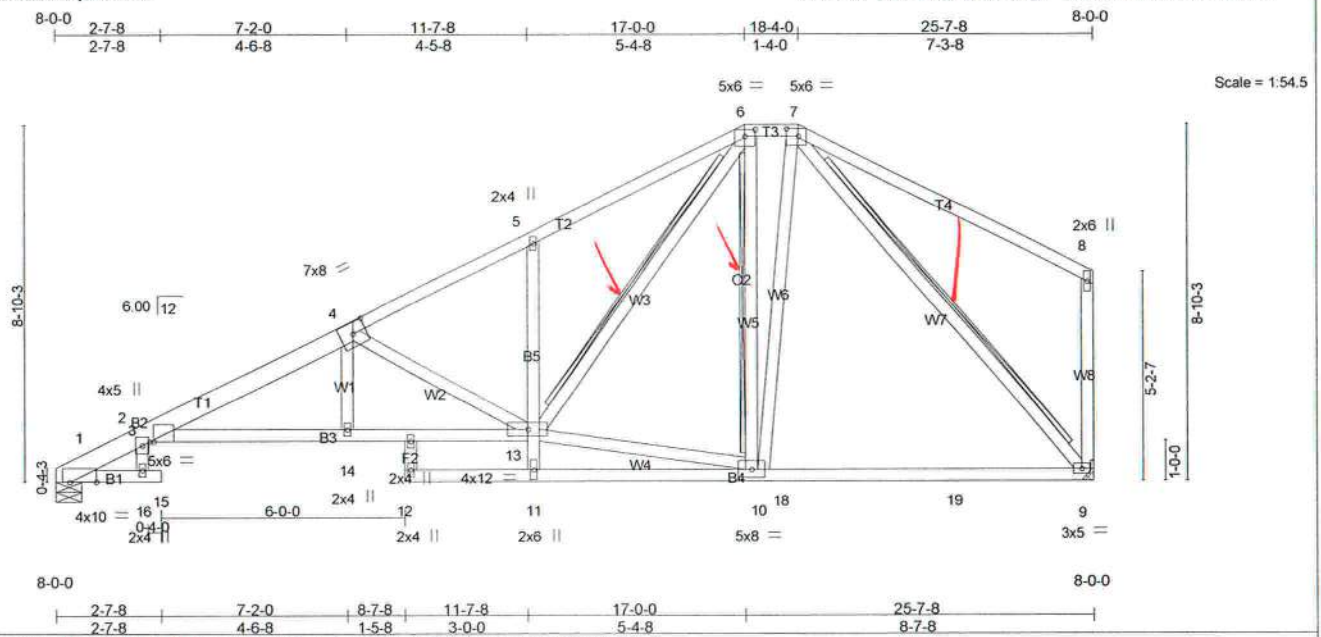


Plate Offsets (X,Y): [1:0-7-15,0-0-2], [3:0-1-4,0-0-0], [4:0-4-0,0-3-4], [6:0-3-0,0-2-0], [7:0-3-8,0-2-4]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.86	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.71	Vert(LL) -0.22 12 >999 360		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.60	Vert(TL) -0.45 12 >664 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.24 9 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.33 3-14 >894 240		
				Weight: 182 lb	

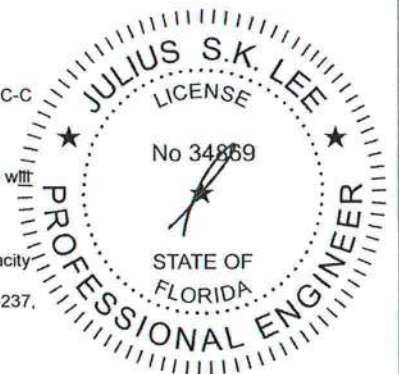
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2 *Except* T1: 2 X 6 SYP No.1D	TOP CHORD Structural wood sheathing directly applied or 2-3-13 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except* B2,B5: 2 X 4 SYP No.3	BOT CHORD Rigid ceiling directly applied or 5-1-4 oc bracing. Except: 10-0-0 oc bracing; 11-13
WEBS 2 X 4 SYP No.3 *Except* W8: 2 X 4 SYP No.2	WEBS T-Brace: 2 X 4 SYP No.3 - 6-13, 6-10, 7-9 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.
	MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=854/0-7-8, 9=940/Mechanical
Max Horz 1=244(LC 6)
Max Uplift 1=-237(LC 6), 9=-229(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-717/275, 2-3=-288/72, 3-4=-1896/1233, 4-5=-1344/905, 5-6=-1335/1071,
6-7=-623/576, 8-9=-207/250
BOT CHORD 3-14=-1344/1737, 13-14=-1343/1731, 5-13=-227/316, 10-18=-340/579, 18-19=-340/579,
9-19=-340/579
WEBS 4-13=-692/629, 10-13=-304/666, 6-13=-772/880, 6-10=-362/232, 7-10=-125/490,
7-9=-843/489

- NOTES** (12-14)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-05; 110mph (3-second gust); TCCL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
 - 6) All bearings are assumed to be SYP No.2.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=237, 9=229.
 - 10) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 - 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.

Continued on page 2



October 29, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M17-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	I4143029
317548	T07	SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:37 2009 Page 2

12) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.

13) Truss Design Engineer: Julius Lee, PE; Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

14) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

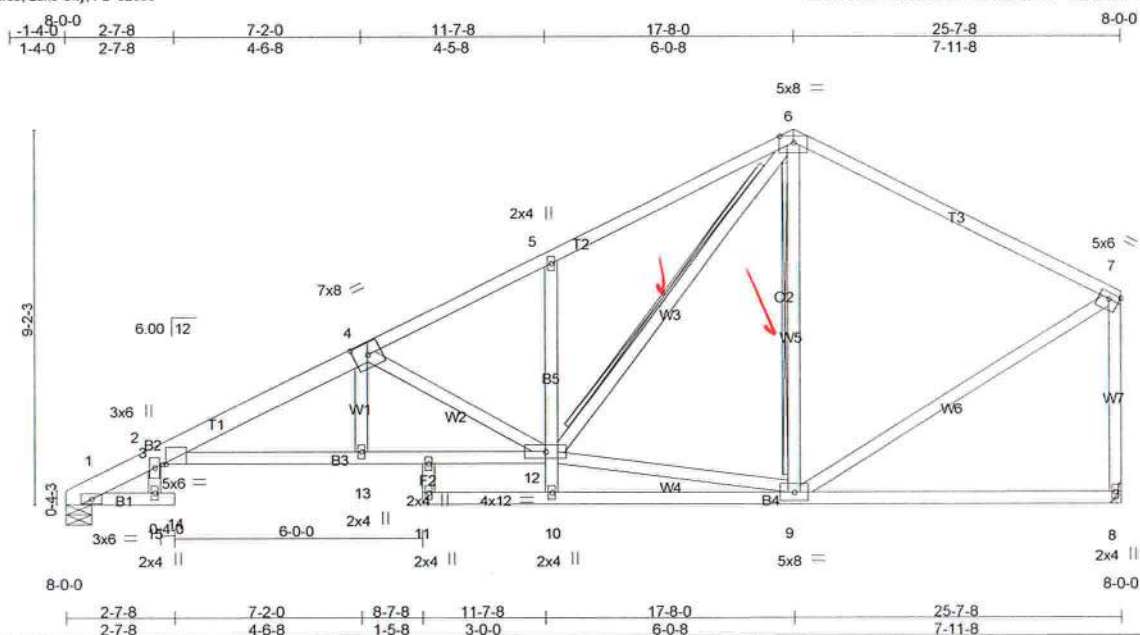
Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T08	SPECIAL	1	1	

I4143030

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:38 2009 Page 1



Scale = 1:53.8

Plate Offsets (X,Y): [3:0-1:0-0-0], [4:0-4:0-0-3-4], [7:Edge,0-1-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.82	Vert(LL)	-0.18	3-13	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.41	11	>728	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.54	Horz(TL)	0.23	8	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.33	3-13	>891	240	Weight: 169 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
T1: 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2 *Except*
B2,B5: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W7: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-2 oc bracing. Except:
10-0-0 oc bracing: 10-12
WEBS T-Brace: 2 X 4 SYP No.3 - 6-12, 6-9
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

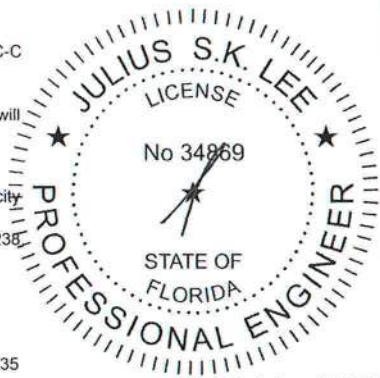
REACTIONS (lb/size) 1=817/0-7-8, 8=807/Mechanical
Max Horz 1=249(LC 6)
Max Uplift 1=-238(LC 6), 8=-237(LC 6)

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

TOP CHORD 1-2=-685/277, 2-3=-288/69, 3-4=-1790/1239, 4-5=-1249/910, 5-6=-1240/1076,
6-7=-667/527, 7-8=-769/628
BOT CHORD 3-13=-1349/1639, 12-13=-1348/1633, 5-12=-257/313
WEBS 4-12=-676/629, 9-12=-283/493, 6-12=-778/895, 6-9=-318/295, 7-9=-364/570

NOTES (11-13)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SYP No.2.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Bearing mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=238, 8=237.
- 9) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 10) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 11) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 12) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- 13) Use Simpson HTU26 to attach Truss to Carrying member



October 29, 2009

LOAD CASE(S) Standard

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and 8CS11 Building Component**

Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

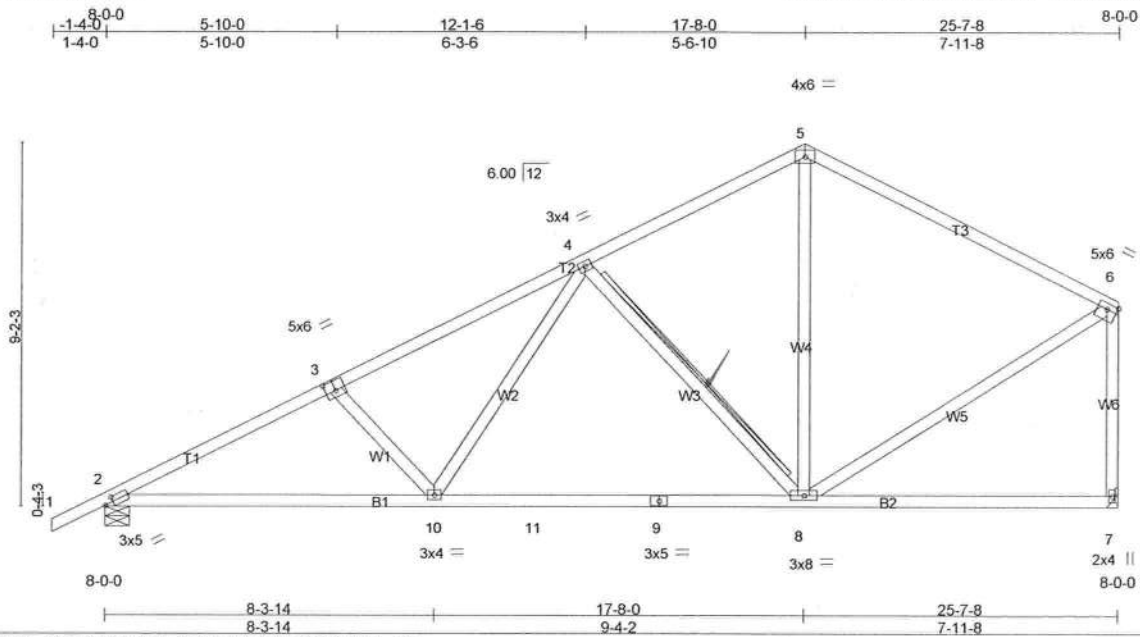
Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T09	COMMON	1	1	

I4143031

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:38 2009 Page 1



Scale = 1:55.7

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.56	Vert(LL)	-0.26	8-10	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.54	Vert(TL)	-0.37	8-10	>826	240		
BCLL 0.0	Rep Stress Incr YES	WB 0.55	Horz(TL)	0.03	7	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Wind(LL)	0.08	8-10	>999	240		
								Weight: 144 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*
 W6: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-6 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-1-11 oc bracing.
 WEBS T-Brace: 2 X 4 SYP No.3 - 4-8
 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

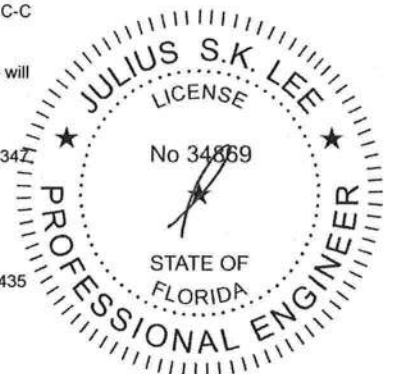
REACTIONS (lb/size) 2=964/0-7-8, 7=864/Mechanical
 Max Horz 2=287(LC 6)
 Max Uplift 2=-347(LC 6), 7=-245(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-1595/968, 3-4=-1393/905, 4-5=-711/572, 5-6=-736/534, 6-7=-843/636
 BOT CHORD 2-10=-1064/1350, 10-11=-696/941, 9-11=-696/941, 8-9=-696/941
 WEBS 3-10=-261/357, 4-10=-250/447, 4-8=-566/520, 5-8=-127/284, 6-8=-369/647

NOTES (10-12)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
- 5) All bearings are assumed to be SYP No.2
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=347, 7=245.
- 8) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 9) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435
- 12) Use Simpson HTU26 to attach Truss to Carrying member

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T10	MONO HIP	1	1	

I4143032

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:40 2009 Page 1

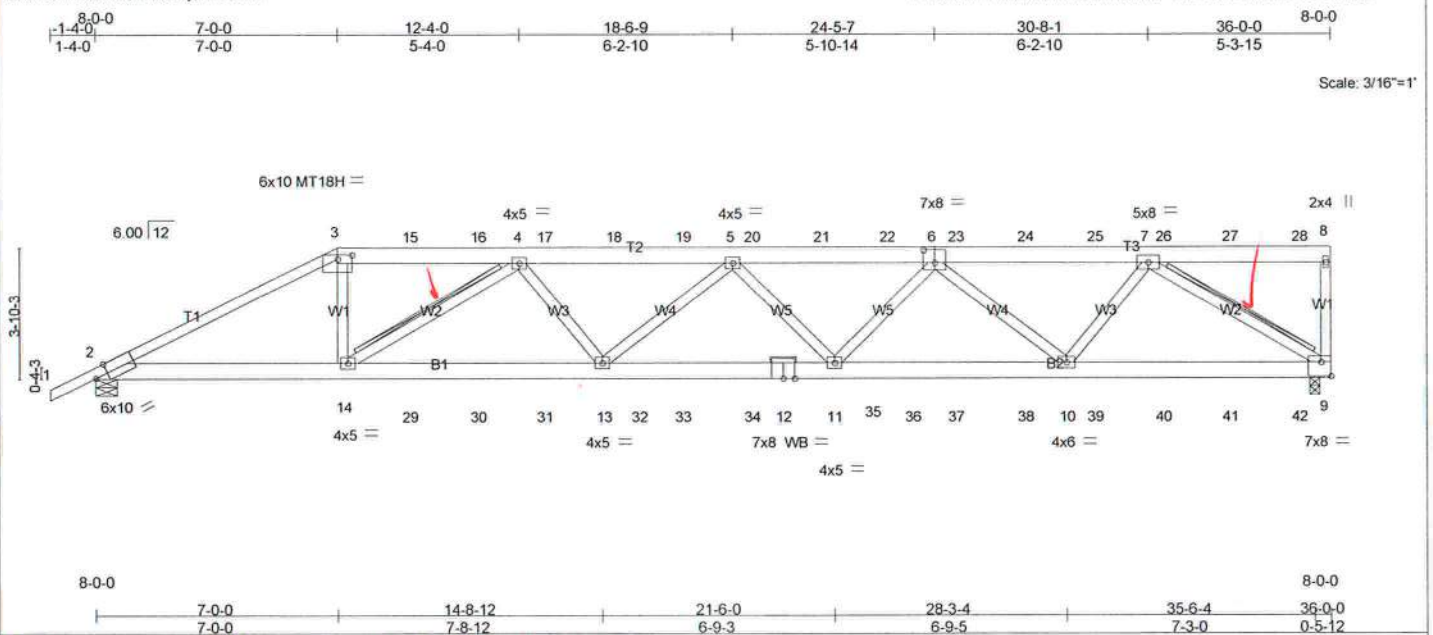


Plate Offsets (X,Y): [2:0-4-7,Edge], [3:0-5-0,0-1-7], [6:0-4-0,0-4-8], [9:Edge,0-5-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.82	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.74	Vert(LL) -0.34 11-13 >999 360	MT18H	244/190
BCLL 0.0	Lumber Increase 1.25	WB 0.96	Vert(TL) -0.66 11-13 >650 240		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.17 9 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.62 11-13 >689 240		
				Weight: 230 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D *Except*
T1: 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD
BOT CHORD
WEBS

Structural wood sheathing directly applied or 2-4-2 oc purlins, except end verticals.
Rigid ceiling directly applied or 3-6-5 oc bracing.
T-Brace: 2 X 4 SYP No.3 - 4-14, 7-9
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 9=2394/0-3-8, 2=2335/0-7-8
Max Horz 2=176(LC 5)
Max Uplift 9=2110(LC 4), 2=1982(LC 5)

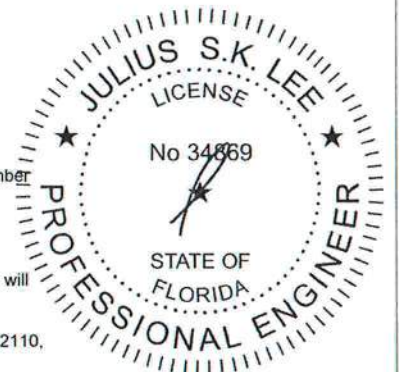
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-4565/4088, 3-15=-4048/3732, 15-16=-4049/3733, 4-16=-4050/3733, 4-17=-6053/5458, 17-18=-6053/5458, 18-19=-6053/5458, 5-19=-6053/5458, 5-20=-5998/5339, 20-21=-5998/5339, 21-22=-5998/5339, 6-22=-5998/5339, 6-23=-4156/3699, 23-24=-4156/3699, 24-25=-4156/3699, 7-25=-4156/3699
BOT CHORD 2-14=-3671/3986, 14-29=-5143/5733, 29-30=-5143/5733, 30-31=-5143/5733, 13-31=-5143/5733, 13-32=-5621/6339, 32-33=-5621/6339, 33-34=-5621/6339, 12-34=-5621/6339, 12-35=-5621/6339, 11-35=-5621/6339, 11-36=-4852/5509, 36-37=-4852/5509, 37-38=-4852/5509, 10-38=-4852/5509, 10-39=-2764/3165, 39-40=-2764/3165, 40-41=-2764/3165, 41-42=-2764/3165, 9-42=-2764/3165
WEBS 3-14=-1427/1487, 4-14=-2089/1694, 4-13=-548/633, 5-13=-411/221, 5-11=-520/429, 6-11=-741/744, 6-10=-1808/1542, 7-10=-1619/1717, 7-9=-3738/3261

NOTES (13-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=2110, 2=1982.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.

Continued on page 2



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 317548	Truss T10	Truss Type MONO HIP	Qty 1	Ply 1	HOUSECRAFT - FARRIMOND RES. Job Reference (optional)	I4143032
---------------	--------------	------------------------	----------	----------	---	----------

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:40 2009 Page 2

NOTES (13-14)

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 303 lb down and 283 lb up at 7-0-0, 143 lb down and 107 lb up at 9-0-12, 143 lb down and 107 lb up at 11-0-12, 143 lb down and 107 lb up at 13-0-12, 143 lb down and 107 lb up at 15-0-12, 143 lb down and 107 lb up at 17-0-12, 143 lb down and 107 lb up at 19-0-12, 143 lb down and 107 lb up at 21-0-12, 143 lb down and 107 lb up at 23-0-12, 143 lb down and 107 lb up at 25-0-12, 143 lb down and 107 lb up at 27-0-12, 143 lb down and 107 lb up at 29-0-12, 143 lb down and 107 lb up at 31-0-12, and 143 lb down and 107 lb up at 33-0-12, and 143 lb down and 107 lb up at 35-0-12 on top chord, and 264 lb down and 423 lb up at 7-0-0, 64 lb down and 88 lb up at 9-0-12, 64 lb down and 88 lb up at 11-0-12, 64 lb down and 88 lb up at 13-0-12, 64 lb down and 88 lb up at 15-0-12, 64 lb down and 88 lb up at 17-0-12, 64 lb down and 88 lb up at 19-0-12, 64 lb down and 88 lb up at 21-0-12, 64 lb down and 88 lb up at 23-0-12, 64 lb down and 88 lb up at 25-0-12, 64 lb down and 88 lb up at 27-0-12, 64 lb down and 88 lb up at 29-0-12, 64 lb down and 88 lb up at 31-0-12, and 64 lb down and 88 lb up at 33-0-12, and 64 lb down and 88 lb up at 35-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 12) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 13) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 14) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

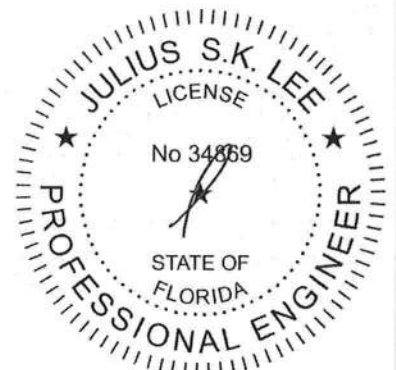
- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-54, 3-8=-54, 2-9=-10

Concentrated Loads (lb)

Vert: 3=-223(F) 14=-224(F) 15=-103(F) 16=-103(F) 17=-103(F) 18=-103(F) 19=-103(F) 20=-103(F) 21=-103(F) 22=-103(F) 23=-103(F) 24=-103(F) 25=-103(F) 26=-103(F) 27=-103(F) 28=-103(F) 29=-33(F) 30=-33(F) 31=-33(F) 32=-33(F) 33=-33(F) 34=-33(F) 35=-33(F) 36=-33(F) 37=-33(F) 38=-33(F) 39=-33(F) 40=-33(F) 41=-33(F) 42=-33(F)



October 29, 2009



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and 8CS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T12	HIP	1	1	

I4143034

Job Reference (optional)

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:41 2009 Page 1

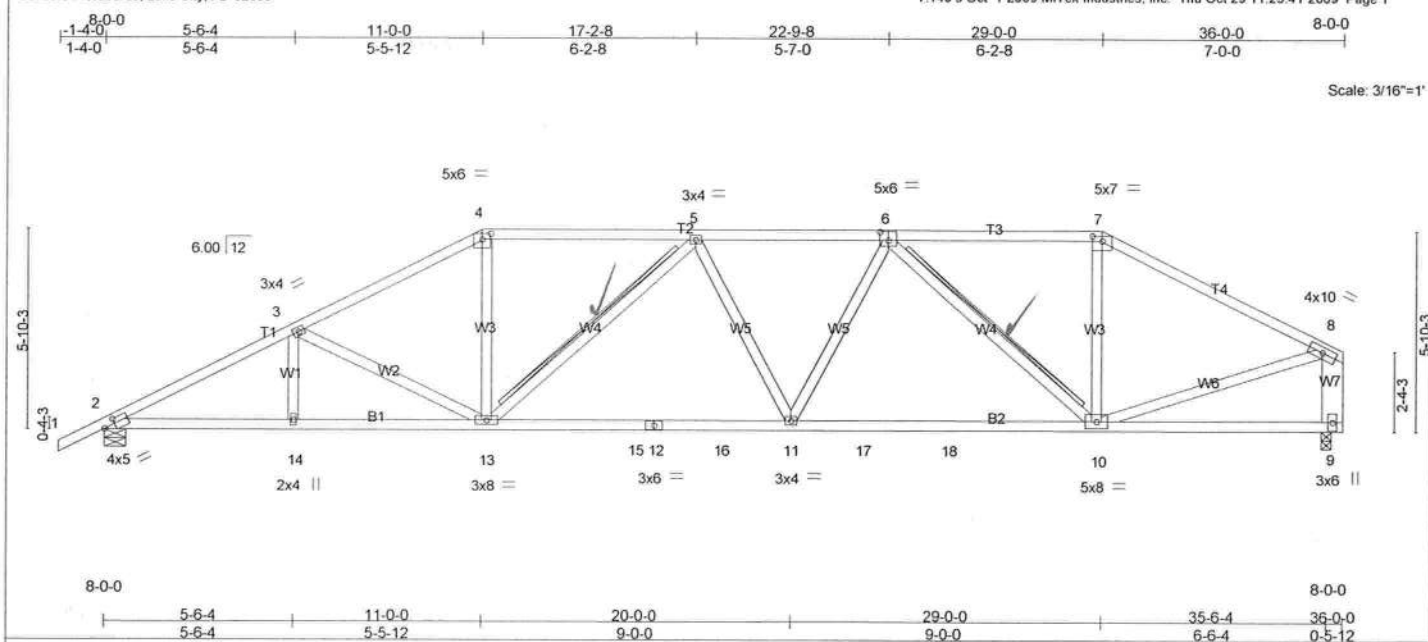


Plate Offsets (X,Y): [2-0-3-14,0-1-12], [4-0-3-0,0-2-0], [6-0-3-0,0-3-0], [7-0-3-8,0-1-12]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.36	Vert(LL) -0.22 11-13 >999 360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.63	Vert(TL) -0.39 11-13 >999 240		
BCLL 0.0	Rep Stress Incr YES	WB 0.59	Horz(TL) 0.10 9 n/a n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Wind(LL) 0.18 11-13 >999 240		
				Weight: 199 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*
W7: 2 X 8 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-3 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 - 5-13, 6-10
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1313/0-7-8, 9=1243/0-3-8
Max Horz 2=172(LC 6)
Max Uplift 2=391(LC 6), 9=319(LC 4)

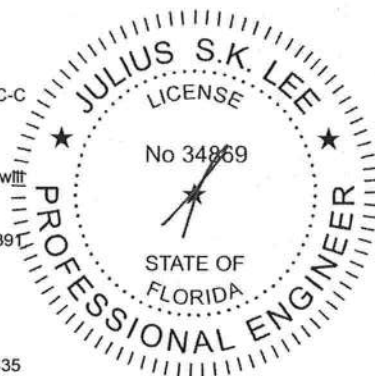
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2312/1439, 3-4=-1988/1275, 4-5=-1730/1218, 5-6=-2061/1350, 6-7=-1297/936, 7-8=-1524/943, 8-9=-1220/807
BOT CHORD 2-14=-1310/1982, 13-14=-1310/1982, 13-15=-1203/2070, 12-15=-1203/2070, 12-16=-1203/2070, 11-16=-1203/2070, 11-17=-1109/1931, 17-18=-1109/1931, 10-18=-1109/1931
WEBS 3-13=-300/343, 4-13=-289/561, 5-13=-564/261, 6-11=-72/315, 6-10=-914/517, 7-10=-92/372, 8-10=-677/1277

NOTES (10-11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 5.0psf.
- All bearings are assumed to be SYP No.2.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=391, 9=319.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE; Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T13	SPECIAL	1	1	

I4143035

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:42 2009 Page 1

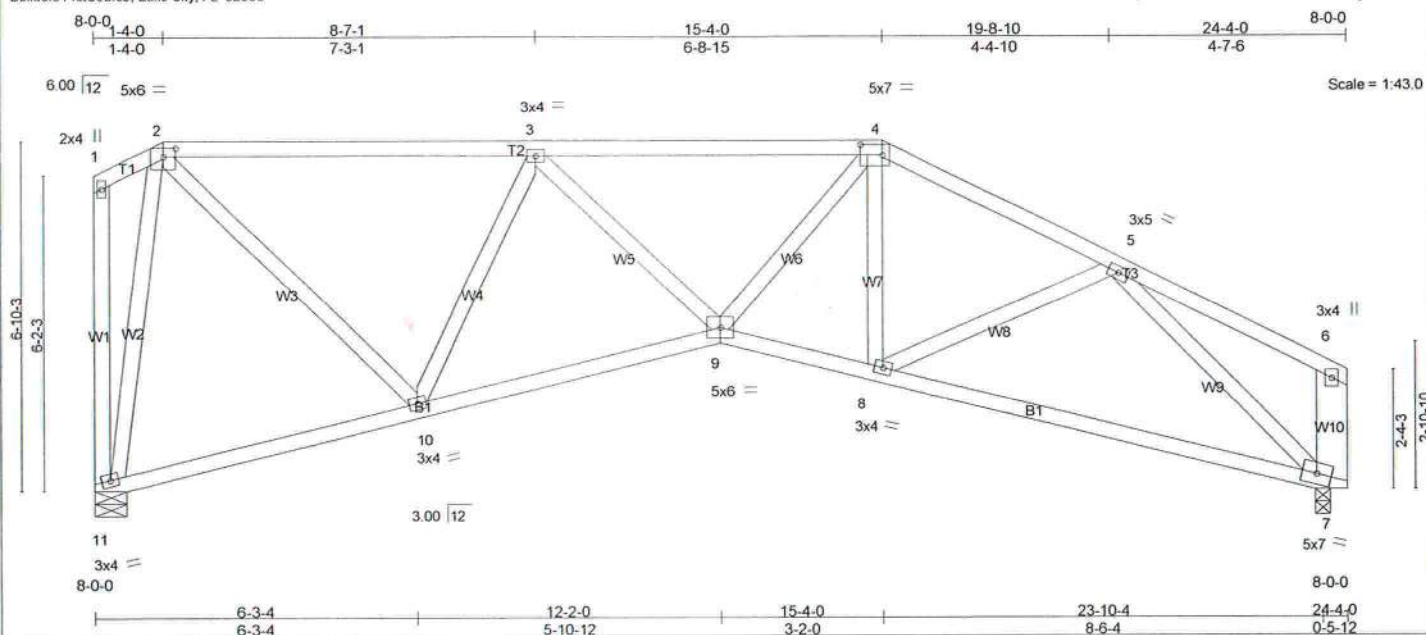


Plate Offsets (X,Y): [2-0-3-0-0-2-0], [4-0-5-4-0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.38	Vert(LL)	-0.14	7-8	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Vert(TL)	-0.26	7-8	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.66	Horz(TL)	0.08	7	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.07	9	>999	240		
									Weight: 155 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*
 W1: 2 X 4 SYP No.2, W10: 2 X 8 SYP No.1D

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 11=764/0-7-8, 7=764/0-3-8
 Max Horz 11=-155(LC 7)
 Max Uplift 11=-265(LC 4), 7=-196(LC 7)

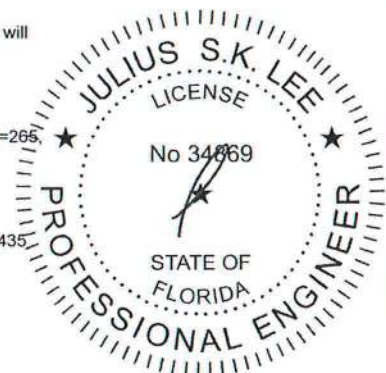
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-668/459, 3-4=-1210/804, 4-5=-1154/747
 BOT CHORD 9-10=-437/1006, 8-9=-477/1010, 7-8=-536/838
 WEBS 2-10=-457/748, 3-10=-741/558, 3-9=-166/340, 4-9=-129/365, 5-8=-58/261, 2-11=-827/588, 5-7=-1102/723

NOTES (10-11)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Bearing at joint(s) 11, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=265, 7=196.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

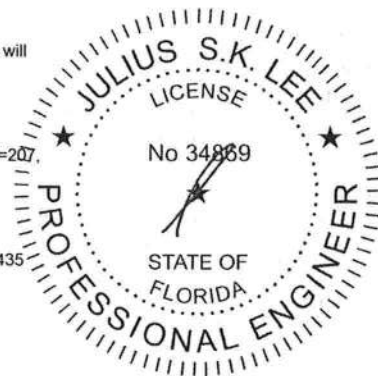
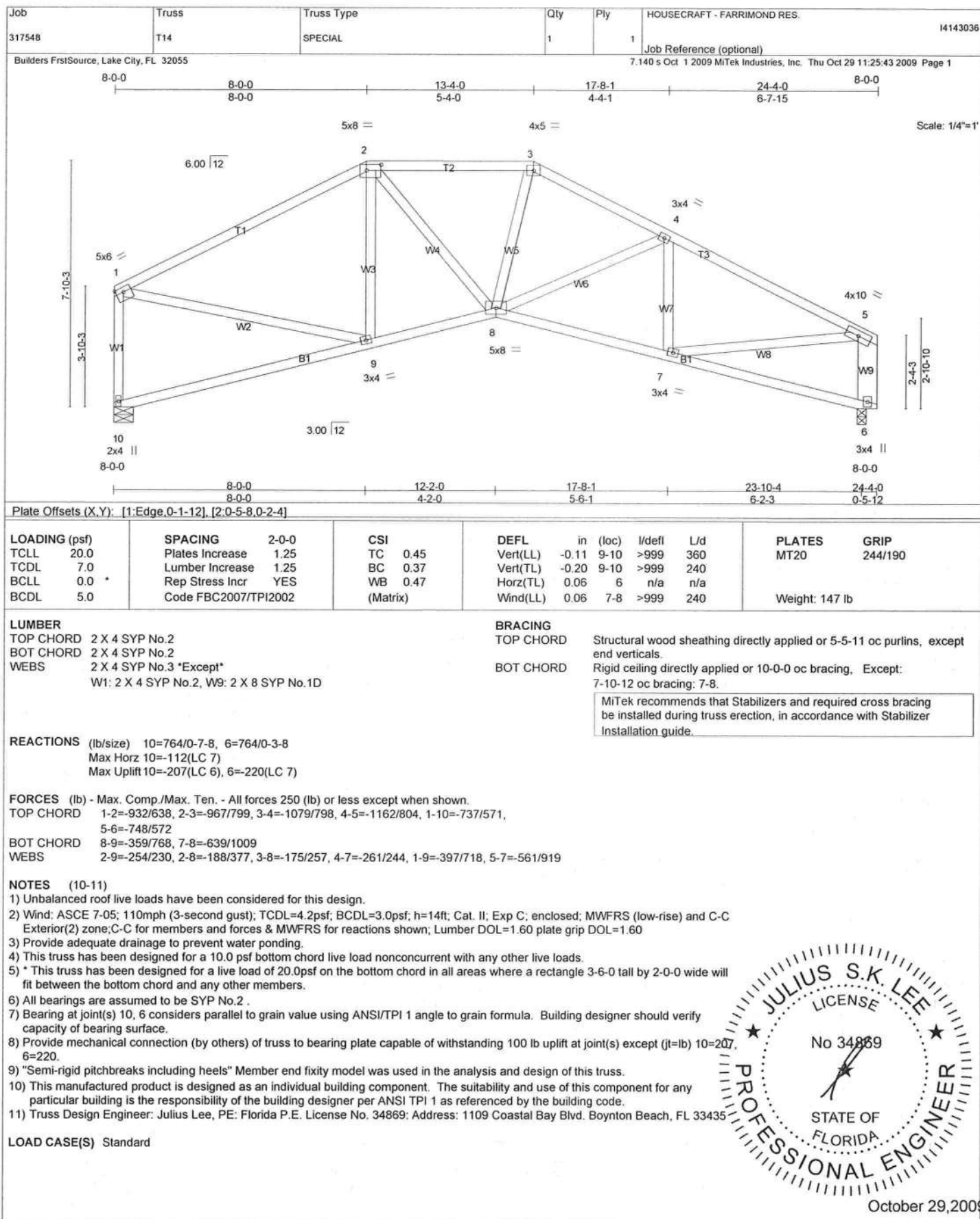


October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DS8-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435



October 29, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oro Drive, Madison, WI 53719.

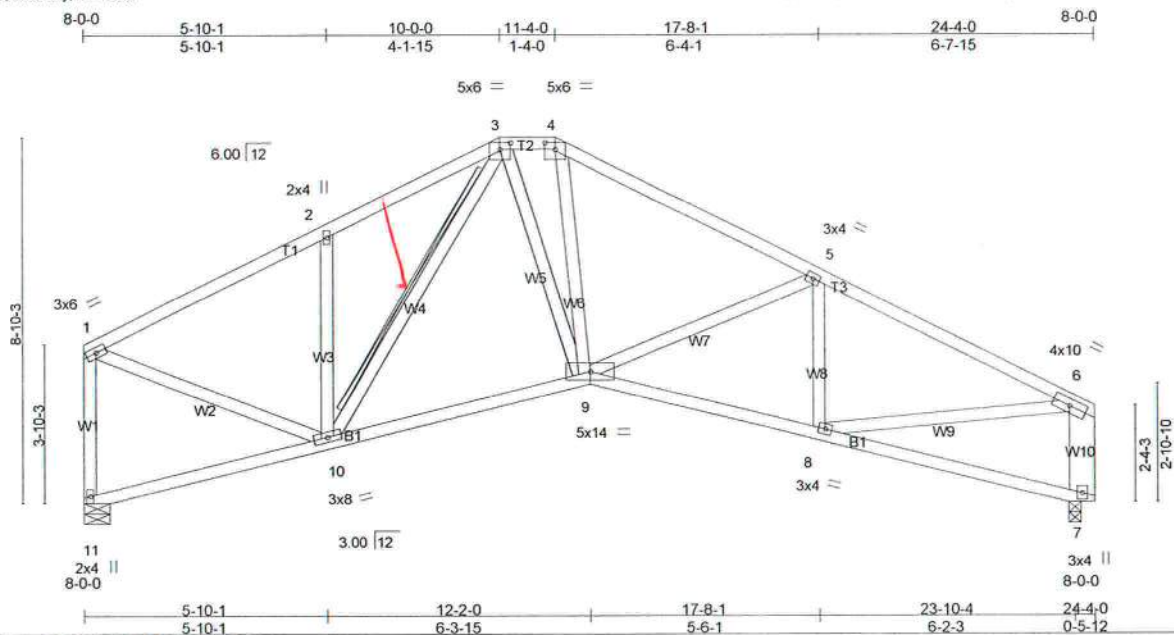
Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T15	SPECIAL	1	1	

I4143037

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:43 2009 Page 1



Scale = 1:53.1

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.40	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.25	Vert(LL) -0.05 9-10 >999 360		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.41	Vert(TL) -0.10 9-10 >999 240		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 7 n/a n/a		
	Code FBC2007/TPI2002		Wind(LL) 0.06 8-9 >999 240		
				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*
 W1: 2 X 4 SYP No.2, W10: 2 X 8 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-6-9 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
 7-8-9 oc bracing: 8-9.
 WEBS T-Brace: 2 X 4 SYP No.3 - 3-10
 Fasten T and l 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

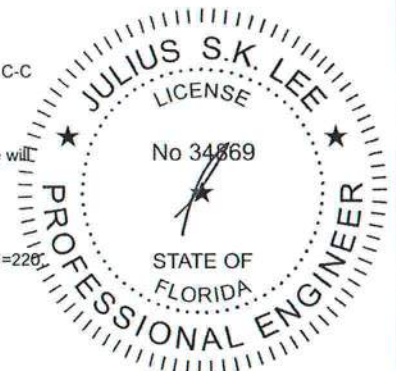
REACTIONS (lb/size) 11=764/0-7-8, 7=764/0-3-8
 Max Horz 11=-126(LC 7)
 Max Uplift 11=-220(LC 6), 7=-230(LC 7)

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

TOP CHORD 1-2=-821/594, 2-3=-825/790, 3-4=-838/771, 4-5=-1058/798, 5-6=-1173/832,
 1-11=-744/566, 6-7=-746/578
 BOT CHORD 9-10=-316/741, 8-9=-671/1025
 WEBS 2-10=-316/403, 3-9=-216/396, 5-9=-188/274, 5-8=-272/257, 1-10=-456/712,
 6-8=-600/940

NOTES (11-12)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Bearing at joint(s) 11, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=220, 7=230.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435



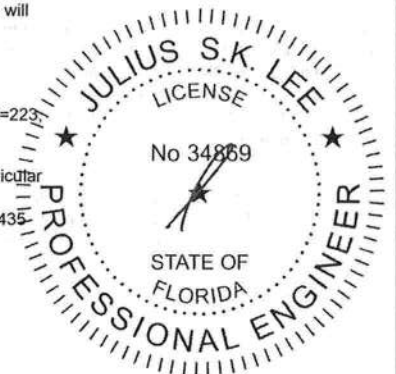
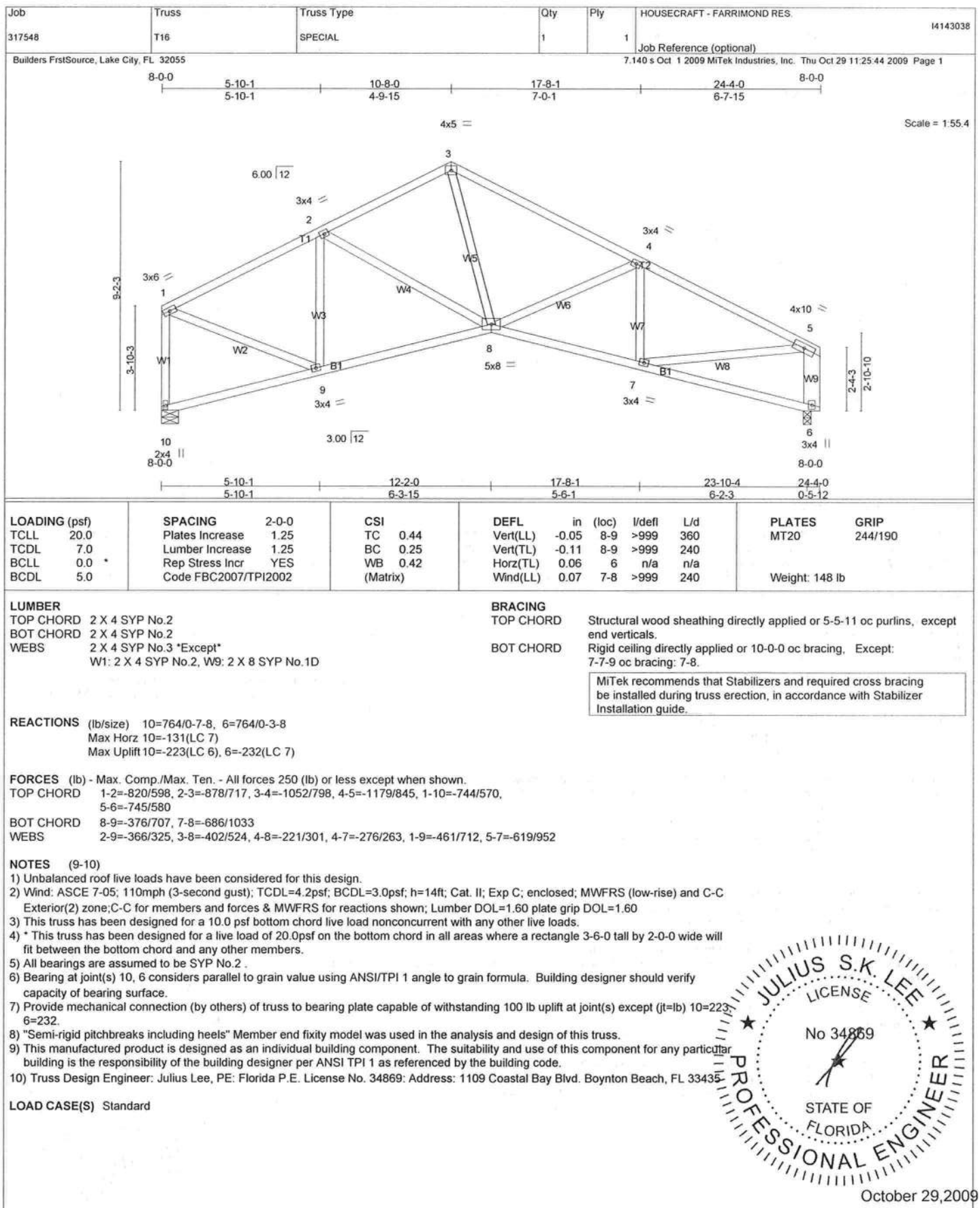
October 29, 2009

LOAD CASE(S) Standard

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435



October 29, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	14143039
317548	T17	SPECIAL	4	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:45 2009 Page 1

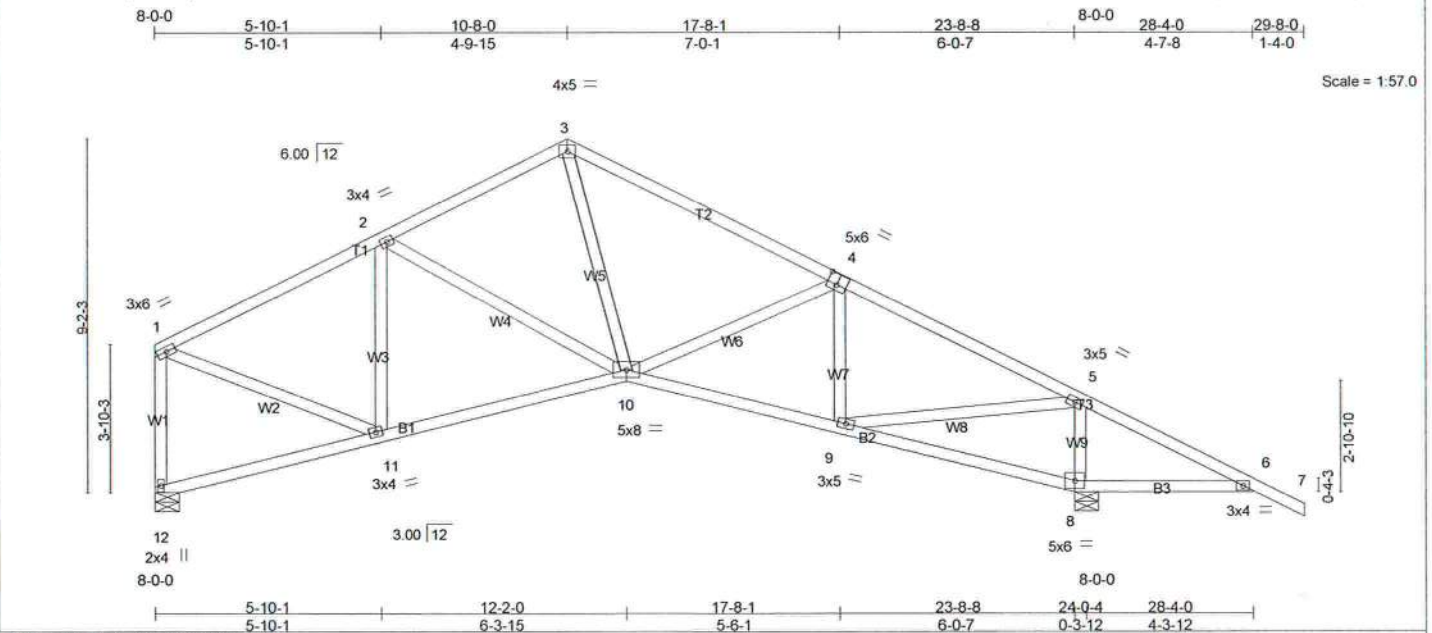


Plate Offsets (X,Y): [4:0-3-0-0-3-4]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25		TC 0.36	Vert(LL) -0.05	10-11	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.23	Vert(TL) -0.10	10-11	>999	240		
BCLL 0.0	Rep Stress Incr YES		WB 0.60	Horz(TL) 0.05	8	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL) 0.05	9-10	>999	240		
								Weight: 159 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*
 W1: 2 X 4 SYP No.2

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS

(lb/size) 12=709/0-7-8, 8=1167/0-7-8
 Max Horz 12=-254(LC 7)
 Max Uplift 12=-217(LC 6), 8=-589(LC 7)

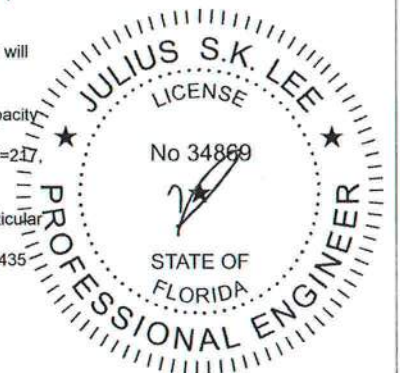
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-752/444, 2-3=-768/468, 3-4=-907/476, 4-5=-893/366, 5-6=-757/484,
 1-12=-688/445
 BOT CHORD 11-12=-24/279, 10-11=-128/643, 9-10=-100/768, 8-9=-458/879, 6-8=-375/788
 WEBS 2-11=-325/235, 3-10=-136/416, 4-9=-381/379, 5-9=-879/1184, 5-8=-1000/900,
 1-11=-312/646

NOTES (9-10)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; cantilever right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2
- Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 12=217, 8=589.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job 317548	Truss T18	Truss Type MONO HIP	Qty 1	Ply 1	HOUSECRAFT - FARRIMOND RES.	I4143040
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:46 2009 Page 1			

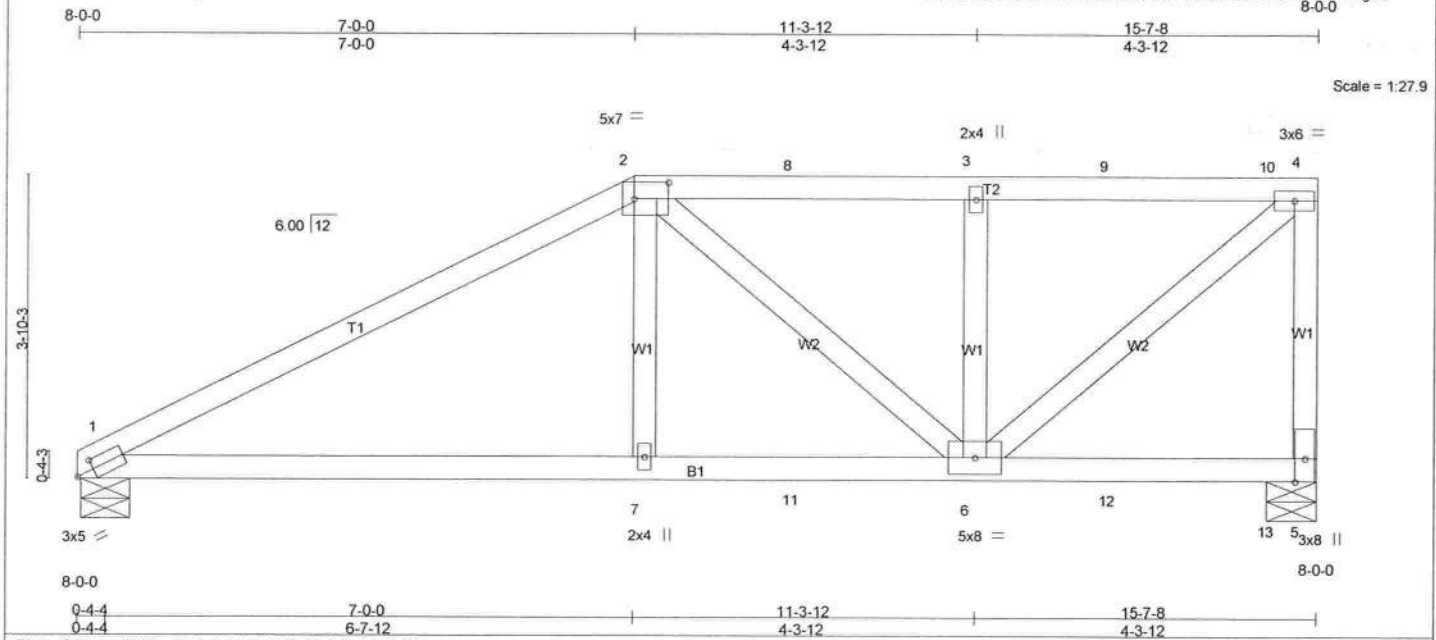


Plate Offsets (X,Y): [1:0-2-10,0-1-8], [2:0-5-4,0-2-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.49	Vert(LL)	-0.07	1-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.72	Vert(TL)	-0.14	1-7	>999	240		
BCLL 0.0	Rep Stress Incr NO	WB 0.68	Horz(TL)	-0.03	5	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Wind(LL)	0.16	1-7	>999	240		
								Weight: 78 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 4-6-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-10 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=855/0-7-8, 5=1112/0-7-8
Max Horz 1=138(LC 5)
Max Uplift 1=869(LC 5), 5=1156(LC 4)

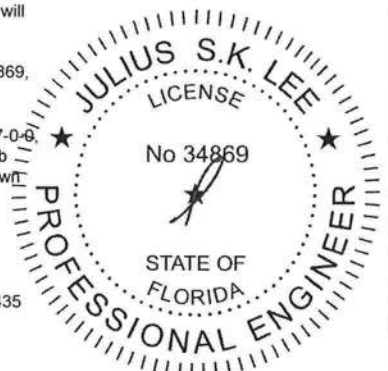
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-1501/1529, 2-8=-984/1035, 3-8=-984/1035, 3-9=-984/1036, 9-10=-984/1036, 4-10=-984/1036, 4-5=-1044/1033
BOT CHORD 1-7=-1412/1254, 7-11=-1435/1268, 6-11=-1435/1268
WEBS 2-7=-559/491, 2-6=-367/524, 3-6=-485/368, 4-6=-1332/1264

NOTES (10-11)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SYP No.2
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=869, 5=1156.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 223 lb down and 283 lb up at 7-0-0, 103 lb down and 107 lb up at 9-0-12, 103 lb down and 107 lb up at 11-0-12, and 103 lb down and 107 lb up at 13-0-12, and 103 lb down and 107 lb up at 15-0-12 on top chord, and 264 lb down and 362 lb up at 7-0-0, 64 lb down and 58 lb up at 9-0-12, 64 lb down and 58 lb up at 11-0-12, and 64 lb down and 58 lb up at 13-0-12, and 64 lb down and 58 lb up at 15-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 10) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 11) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2



October 29, 2009

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	I4143040
317548	T18	MONO HIP	1	1	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:46 2009 Page 2

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54, 2-4=-54, 1-5=-10

Concentrated Loads (lb)

Vert: 2=-223(F) 7=-224(F) 3=-103(F) 6=-33(F) 8=-103(F) 9=-103(F) 10=-103(F) 11=-33(F) 12=-33(F) 13=-33(F)



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 317548	Truss T19	Truss Type MONO HIP	Qty 1	Ply 1	HOUSECRAFT - FARRIMOND RES. Job Reference (optional) 7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:46 2009 Page 1 8-0-0	I4143041
---------------	--------------	------------------------	----------	----------	---	----------

Builders FirstSource, Lake City, FL 32055

Scale = 1:29.8

Plate Offsets (X,Y): [1:0-2-10,0-1-8]									
LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plates Increase 2-0-0	TC 0.95	Vert(LL) -0.14	1-6	>999	360	MT20	244/190	
TCDL 7.0	Lumber Increase 1.25	BC 0.67	Vert(TL) -0.26	1-6	>698	240			
BCLL 0.0	Rep Stress Incr YES	WB 0.38	Horz(TL) -0.02	5	n/a	n/a			
BCDL 5.0	Code FBC2007/TPI2002	(Matrix)	Wind(LL) 0.55	1-6	>330	240			
							Weight: 79 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

REACTIONS (lb/size) 1=485/0-7-8, 5=485/0-7-8
Max Horz 1=177(LC 6)
Max Uplift 1=-370(LC 6), 5=-408(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-781/1164, 2-3=-532/948, 3-4=-425/911, 4-5=-461/799
BOT CHORD 1-6=-1261/657
WEBS 2-6=-256/395, 4-6=-1088/497

NOTES (9-10)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SYP No.2
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=370, 5=408.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) Warning: Additional permanent and stability bracing for truss system (not part of this component design) is always required.
- 9) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 10) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

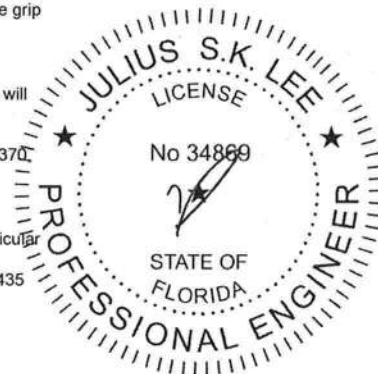
BRACING

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

BOT CHORD Rigid ceiling directly applied or 4-7-9 oc bracing.

WEBS T-Brace: 2 X 4 SYP No.3 - 4-6
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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

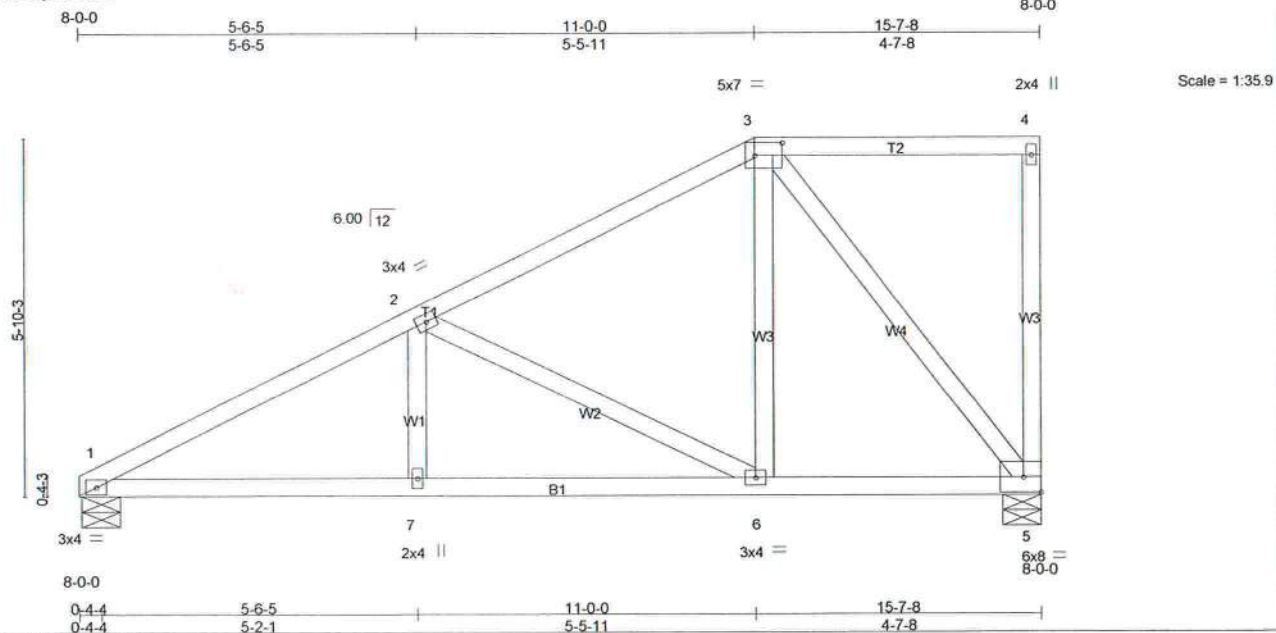
Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T20	MONO HIP	1	1	

I4143042

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:47 2009 Page 1



Scale = 1:35.9

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.51	Vert(LL)	-0.02	1-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.72	Vert(TL)	-0.05	1-7	>999	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.41	Horz(TL)	-0.03	5	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.11	1-7	>999	240		
									Weight: 87 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, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 4-11-14 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=485/0-7-8, 5=485/0-7-8
 Max Horz 1=216(LC 6)
 Max Uplift 1=367(LC 6), 5=404(LC 5)

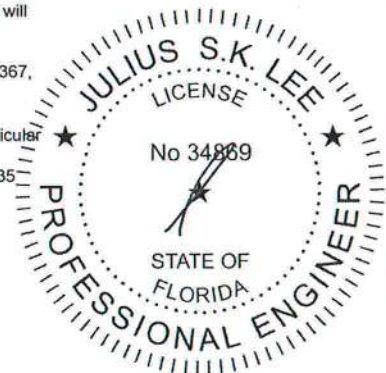
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-2=-790/1286, 2-3=-394/591
 BOT CHORD 1-7=-1405/659, 6-7=-1405/659, 5-6=-616/293
 WEBS 2-7=-399/179, 2-6=-417/903, 3-6=-753/286, 3-5=-456/965

NOTES (8-9)

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) All bearings are assumed to be SYP No.2.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=367, 5=404.
- 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and 8CSI1 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T21G	GABLE	1	1	
					Job Reference (optional)

14143043

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:48 2009 Page 1

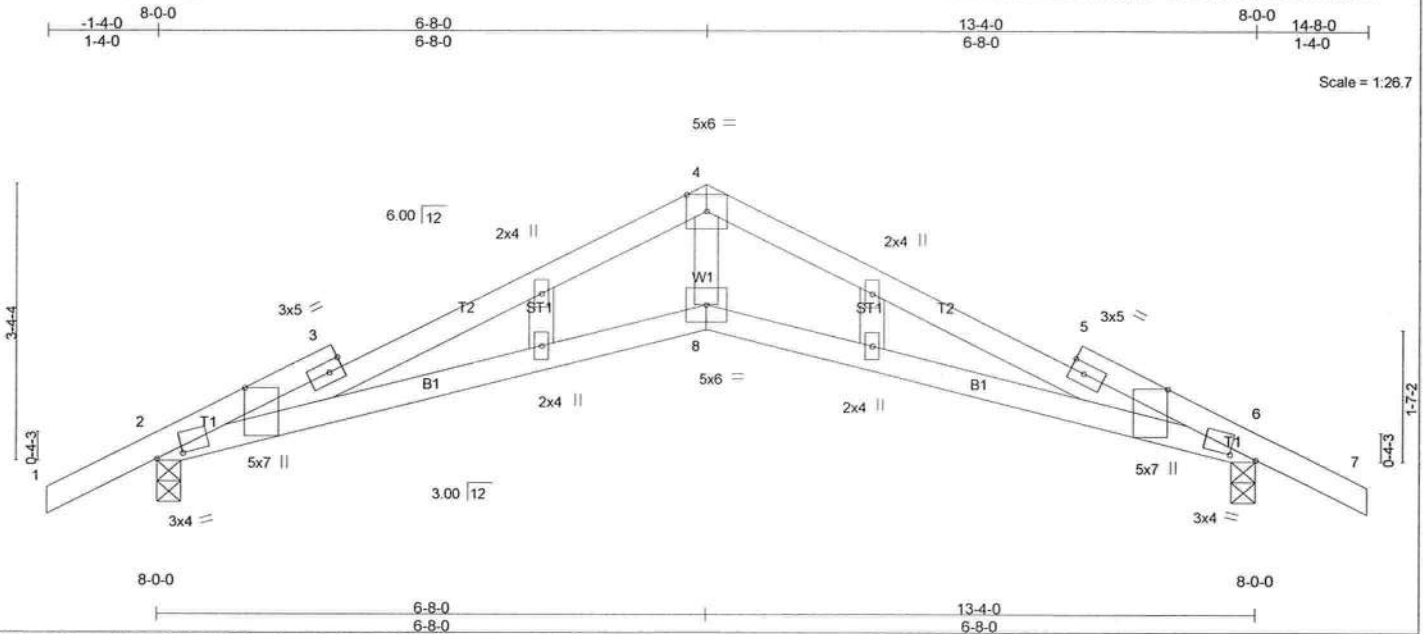


Plate Offsets (X,Y): [2-0-3-13,0-0-1], [2-0-10-5,Edge], [6-0-3-13,0-0-1], [6-0-10-5,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.67	Vert(LL)	-0.14	8	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.50	Vert(TL)	-0.27	6-8	>575	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.26	Horz(TL)	0.16	6	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.21	8	>748	240		
									Weight: 56 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 3-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-9 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=697/0-3-8, 6=697/0-3-8
Max Horz 2=-81(LC 7)
Max Uplift 2=-474(LC 6), 6=-474(LC 7)

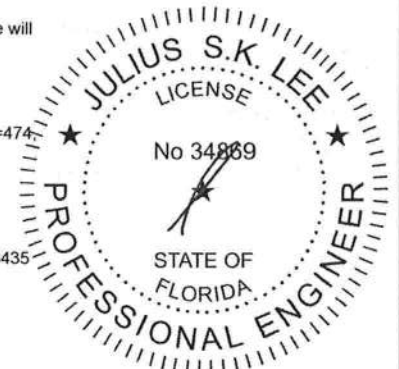
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1641/1036, 3-4=-1562/1029, 4-5=-1562/1029, 5-6=-1641/1036
BOT CHORD 2-8=-802/1452, 6-8=-802/1452
WEBS 4-8=-383/801

NOTES (12-13)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=474, 6=474.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-79(F=-25), 4-7=-79(F=-25), 2-8=-10, 6-8=-10



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T22	SPECIAL	4	1	

I4143044

Builders FrstSource, Lake City, FL 32055

7:140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:49 2009 Page 1

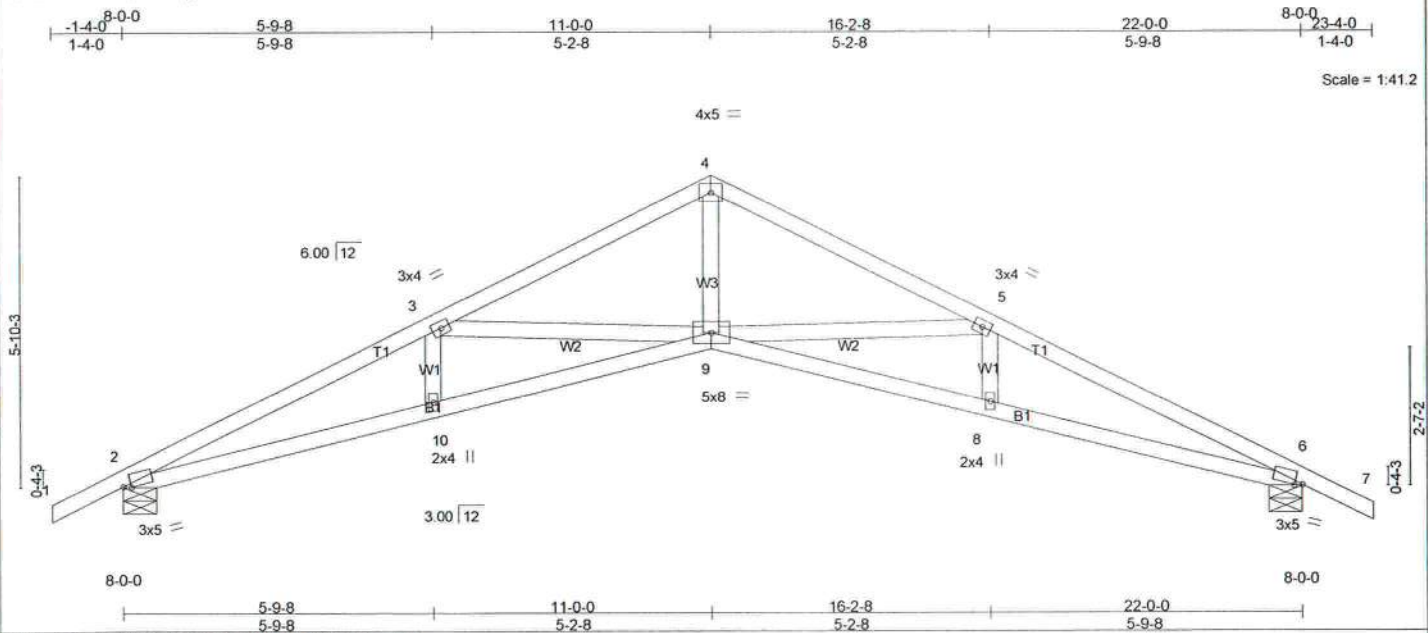


Plate Offsets (X,Y): [2:0-1-12,0-0-8], [6:0-1-12,0-0-9]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.34	Vert(LL)	-0.14	8-9	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.39	Vert(TL)	-0.27	8-9	>947	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.32	Horz(TL)	0.20	6	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.19	8-9	>999	240		
									Weight: 98 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 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-1 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

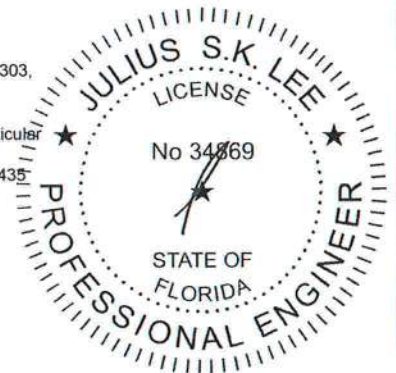
REACTIONS (lb/size) 2=773/0-7-8, 6=773/0-7-8
Max Horz 2=-105(LC 7)
Max Uplift 2=-303(LC 6), 6=-303(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2033/1293, 3-4=-1461/895, 4-5=-1461/895, 5-6=-2033/1293
BOT CHORD 2-10=-1010/1780, 9-10=-1013/1782, 8-9=-1013/1782, 6-8=-1010/1780
WEBS 4-9=-540/983, 5-9=-528/513, 3-9=-528/513

NOTES (9-10)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=303, 6=303.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Oro Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.
317548	T22G	GABLE	1	1	

I4143045

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:50 2009 Page 1

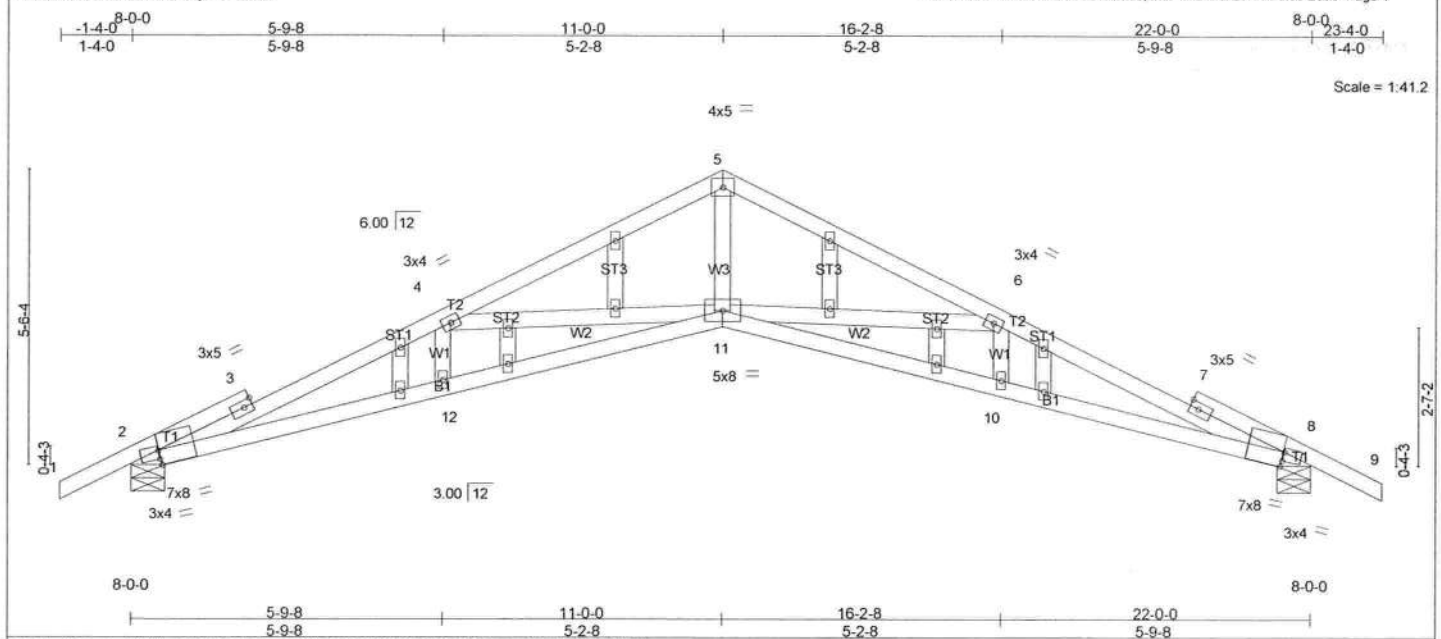


Plate Offsets (X,Y): [2:0-0-3,Edge], [2:0-0-0,0-2-0], [8:0-0-3,Edge], [8:0-0-0,0-2-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.59	Vert(LL)	-0.27 10-11	>949	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.73	Vert(TL)	-0.53 10-11	>489	240		
BCLL 0.0	Rep Stress Incr	NO	WB 0.51	Horz(TL)	0.37 8	n/a	n/a		
BCDL 5.0	Code FBC2007/TPI2002		(Matrix)	Wind(LL)	0.38 10-11	>668	240		
								Weight: 111 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
 BOT CHORD

Structural wood sheathing directly applied or 2-11-2 oc purlins.
 Rigid ceiling directly applied or 4-5-10 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=1081/0-7-8, 8=1081/0-7-8
 Max Horz 2=116(LC 6)
 Max Uplift 2=705(LC 6), 8=705(LC 7)

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

TOP CHORD 2-3=-3386/2247, 3-4=-3310/2237, 4-5=-2279/1449, 5-6=-2279/1449, 6-7=-3310/2237, 7-8=-3386/2247

BOT CHORD 2-12=-1933/3056, 11-12=-1937/3061, 10-11=-1937/3061, 8-10=-1933/3056

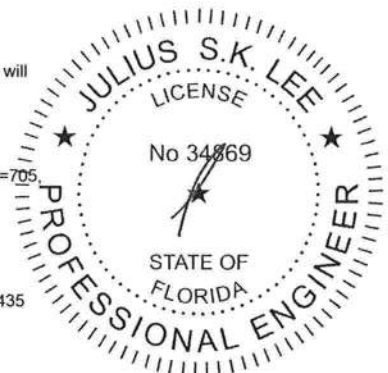
WEBS 5-11=-937/1564, 6-11=-1029/894, 4-11=-1029/894

NOTES (13-14)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- All bearings are assumed to be SYP No.2.
- Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=705, 8=705.
- "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
- Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869; Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

Continued on page 2



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-87 and BCS11 Building Component Safety Information available from Truss Plate Institute, 583 D'Ondra Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	I4143045
317548	T22G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:50 2009 Page 2

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-5=-79(F=-25), 5-9=-79(F=-25), 2-11=-10, 8-11=-10



October 29, 2009

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DS8-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Job 317548	Truss T23	Truss Type SPECIAL	Qty 3	Ply 1	HOUSECRAFT - FARRIMOND RES. Job Reference (optional) 7.140 s Jun 24 2009 MiTek Industries, Inc. Thu Oct 29 13:05:05 2009 Page 1
---------------	--------------	-----------------------	----------	----------	---

Builders FrstSource, Lake City, FL 32055

Scale = 1:38.6

LOADING (psf) TCCL 20.0 TCDL 7.0 BCLL 0.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2007/TPI2002	CSI TC 0.52 BC 0.85 WB 0.31 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.13 8-9 >999 360 Vert(TL) -0.27 8-9 >959 240 Horz(TL) 0.19 6 n/a n/a Wind(LL) 0.19 8-9 >999 240	PLATES MT20 GRIP 244/190 Weight: 112 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
 Right: 2 X 4 SYP No.3

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-10-0 oc bracing. Except:
 5-11-0 oc bracing: 2-8

REACTIONS (lb/size) 2=771/0-7-8, 6=675/0-3-8
 Max Horz 2=115(LC 6)
 Max Uplift 2=-303(LC 6), 6=-210(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2026/1355, 3-4=-1453/963, 4-5=-1453/964, 5-6=-2007/1387
 BOT CHORD 2-9=-1125/1774, 8-9=-1128/1776, 7-8=-1161/1771, 6-7=-1160/1770
 WEBS 4-8=-604/978, 5-8=-529/540, 3-8=-529/507

NOTES (8-9)
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=14ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 2 and 210 lb uplift at joint 6.
 7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
 8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
 9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

October 29, 2009



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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Oroff Drive, Madison, WI 53719.

Julius Lee Engineering
 1109 Coastal Bay Blvd.
 Boynton, FL 33435

Job	Truss	Truss Type	Qty	Ply	HOUSECRAFT - FARRIMOND RES.	I4143047
317548	T24	COMMON	1	2	Job Reference (optional)	

Builders FrstSource, Lake City, FL 32055

7.140 s Oct 1 2009 MiTek Industries, Inc. Thu Oct 29 11:25:51 2009 Page 2

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 1-5=-10

Concentrated Loads (lb)

Vert: 7=-869(F) 9=-1733(F) 10=-792(F) 11=-860(F) 12=-919(F) 13=-930(F) 14=-797(F) 15=-854(F)



October 29, 2009



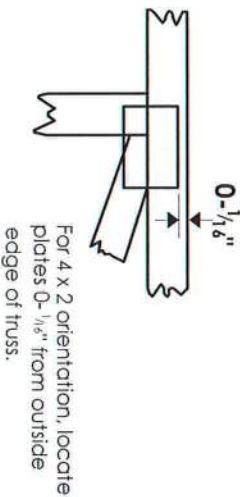
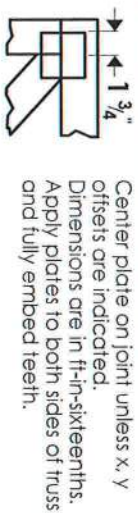
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCS11 Building Component Safety Information** available from Truss Plate Institute, 583 D'Oroffio Drive, Madison, WI 53719.

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435

Symbols

PLATE LOCATION AND ORIENTATION



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

PLATE SIZE

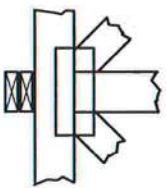
4 X 4
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

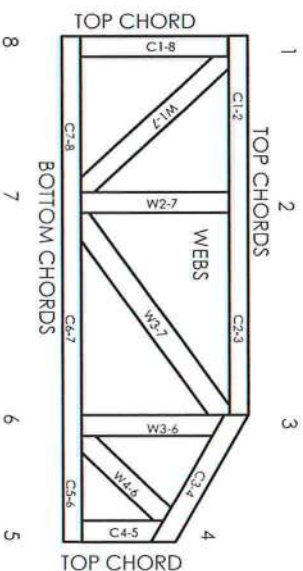


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSII: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B, 9730, 95-43, 96-31, 9667A
NER-487, NER-561
95110, 84-32, 96-67, ER-3907, 9432A

© 2006 Mitek® All Rights Reserved

Julius Lee Engineering
1109 Coastal Bay Blvd.
Boynton, FL 33435



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSII.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing of 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 Quality Criteria.

120 MPH MAX

MAX	2' TYP. MAX	Setback 7' or Less
-----	----------------	--------------------

400# or Less

* ON 23 DSE TOTAL DEAD LOAD WIND

400# or Less

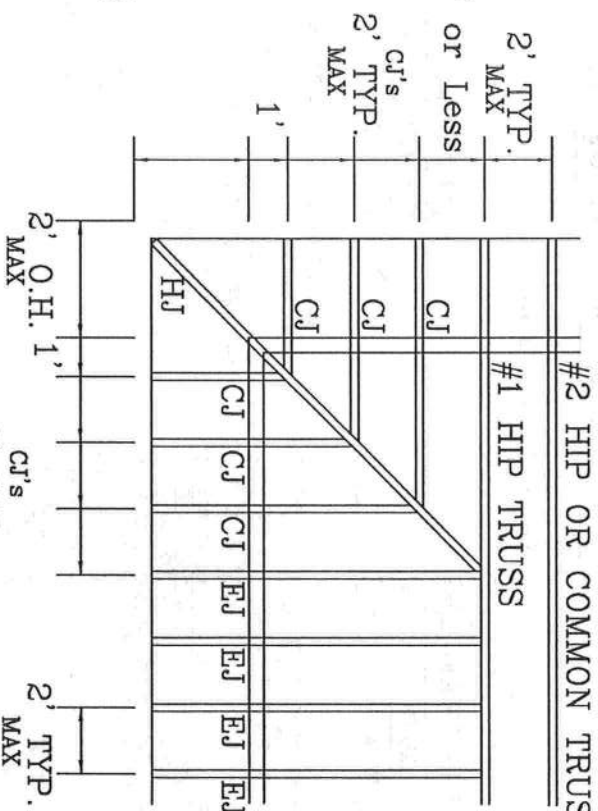
ON 15.0 PSF TOTAL DEAD LOAD. WIND

400# or Less

ON 7.2 PSF TOTAL DEAD LOAD. WIND



HIP JACK



SEE FOR THE DOWN

BC LIVE LOAD IS NON CONCURRENT 10%

CORNER SET
SETBACK

7'0" MAX

REWORKING THE TRUSSES REQUIRES EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 9863 DUNDORF RD., SUITE 200, MANASSA, VA 57119 AND VITA CYCLO TRUSS COMPANY OF AMERICA, 6500 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROTECT ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROTECT ATTACHED ROOF CEILING.

MANUFACTURE FLUSH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR APPLICABLE PROVISIONS OF NIS NATIONAL DESIGN & BRACING OF TRUSSES. DESIGN CONSIDERS WITH ALL APPLICABLE PROVISIONS OF NIS NATIONAL DESIGN & BRACING OF TRUSSES. ALPINE CONNECTOR PLATES ARE MADE OF 60/10Z60M (VIA) 55% STRAIN ASSOCIATED WITH AN ALLOWED STRESS OF 100 KSI. THE MAXIMUM ALLOWED STRESS OF 100 KSI IS BASED ON THE DESIGN RESISTANCE PER DRAWINGS 1604-2. AN INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEX A3 OF TPI 1-2008 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEAL FOR THE TRUSS COMPONENT DESIGN SHOWS SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

REF	7 MAX STBK CS
DATE	Jun./27/2008
DRWG	
—ENG	
REVIEWED	
By Julius Iee at 10:52 am, Jun 27, 2008	

REVIEWED
By Julius Lee at 10:52 am, Jun 27, 2008

MAX GABLE VERTICAL LENGTH		BRACE		(1) 1X4 T ¹ BRACE *		(1) 2X4 T ¹ BRACE *		(2) 2X4 T ¹ BRACE **		(1) 2X6 T ¹ BRACE *		(2) 2X6 T ¹ BRACE *		(2) 2X8 T ¹ BRACE **	
GABLE VERTICAL SPACING	SPECIES	GRADE	NO. BRACES	GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B	
				12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
24"	SPF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	6' 3"	6' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"	13' 3"
	SPF	#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	6' 3"	6' 3"	10' 1"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"
	HF	STANDARD	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	6' 3"	6' 3"	10' 0"	10' 0"	10' 0"	12' 11"	12' 11"	12' 11"
	SP	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 3"	11' 10"	11' 8"	12' 11"	13' 11"	13' 11"	13' 11"
16"	SPF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	6' 3"	6' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"	13' 3"
	SPF	#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	6' 3"	6' 3"	10' 1"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"
	HF	STANDARD	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	6' 3"	6' 3"	10' 0"	10' 0"	10' 0"	12' 11"	12' 11"	12' 11"
	SP	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 3"	11' 10"	11' 8"	12' 11"	13' 11"	13' 11"	13' 11"
12"	SPF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	6' 3"	6' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"	13' 3"
	SPF	#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	6' 3"	6' 3"	10' 1"	10' 1"	10' 1"	12' 11"	12' 11"	12' 11"
	HF	STANDARD	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	6' 3"	6' 3"	10' 0"	10' 0"	10' 0"	12' 11"	12' 11"	12' 11"
	SP	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 3"	11' 10"	11' 8"	12' 11"	13' 11"	13' 11"	13' 11"

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

CABLE TRUSS DETAIL NOTES:

LIVE LOAD DEREGISTRATION CATERGIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PSF OVER CONTINUOUS BRACING (6 PSF PG DEAD LOAD).

CABLE END SUPPORTS LOAD FROM 4' 0" OUTLEAKERS WITH 3' 0" OVERHANG, OR 12" PLTWOOD OVERHANG.

ATTACH EACH T¹ BRACE WITH 104 NAILS.

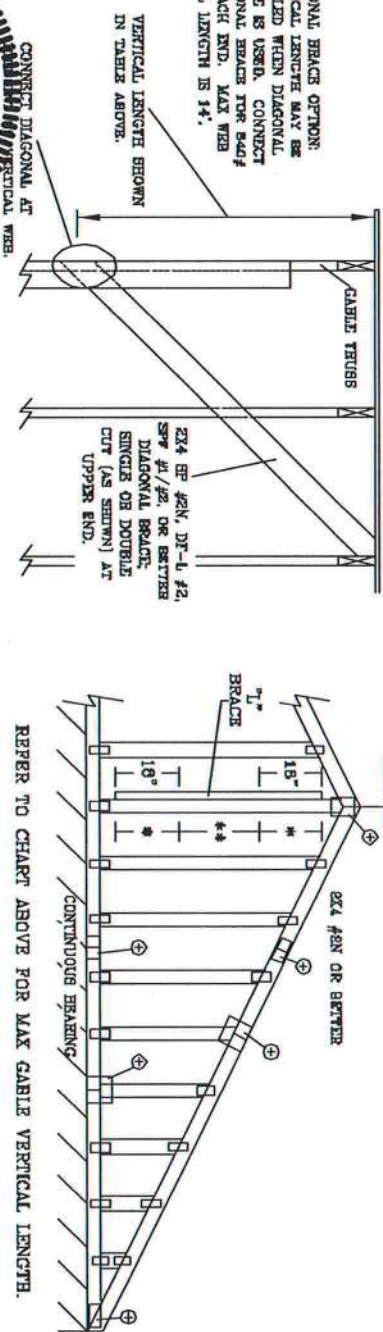
* FOR (1) T¹ BRACE, SPACE NAILS AT 8" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) T¹ BRACES, SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

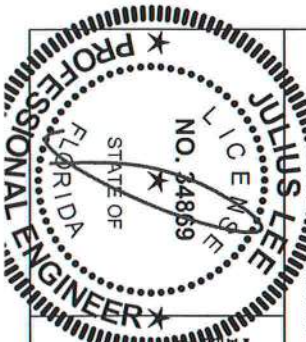
T¹ BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO BRACE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 8"	2X4
GREATER THAN 11' 8"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND BEEL PLATES.



DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 84d
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.



REVIEWED
By Julius Lee at 12:00 pm, Jun 11, 2008

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DEALING BEACH, FL 33444-8161

No. 34869
STATE OF FLORIDA

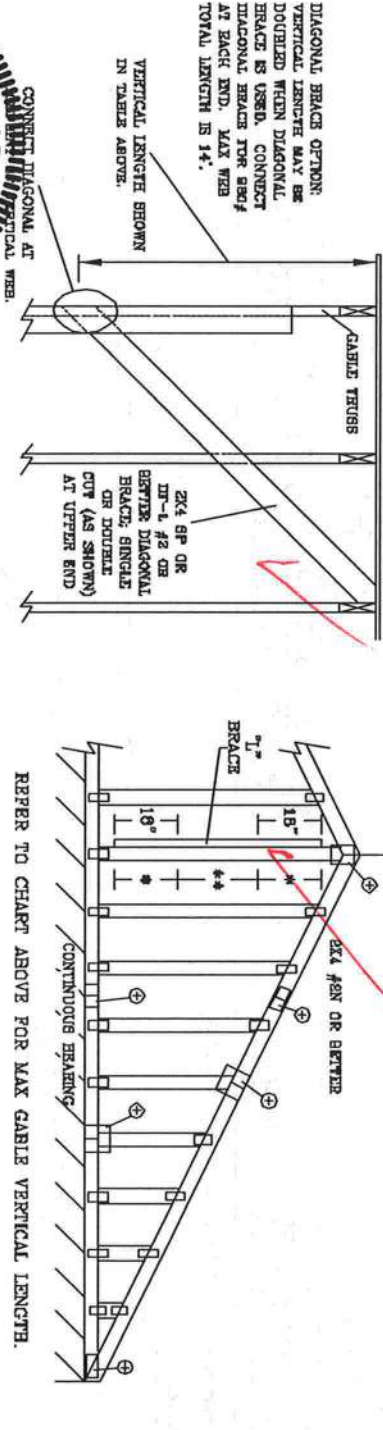
MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

REF ASCE7-02-GABI3015
DATE 11/26/03
DRWG MTRK STD CABLE 15 E HT
-ENG

ASCE 7-02: 130 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

GABLE VERTICAL SPACING	2X4 SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *										(2) 2X4 "L" BRACE **										(1) 2X6 "L" BRACE *										(2) 2X8 "L" BRACE **																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
				GROUP A		GROUP B		(1) 2X4 "L" BRACE *		GROUP A		GROUP B		(2) 2X4 "L" BRACE **		GROUP A		GROUP B		(1) 2X6 "L" BRACE *		GROUP A		GROUP B		(2) 2X8 "L" BRACE **		GROUP A		GROUP B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
24" O.C.	SPF	#1 / #2	3' 2"	5' 6"	6' 8"	6' 6"	6' 8"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12' 7"	12' 3"	12'

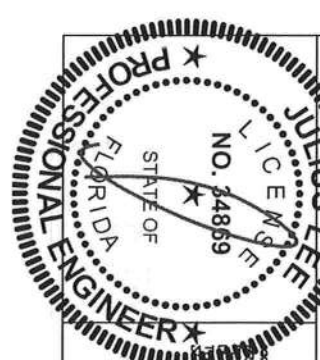


BRACING GROUP SPECIES AND GRADES:			
GROUP A:		GROUP B:	
SPECIES - PINE - TR	HEM - FIR	SPECIES - PINE - TR	HEM - FIR
#1 / #2 STANDARD	#1 / #2 STANDARD	#1 / #2 STANDARD	#1 / #2 STANDARD
#3 STANDARD	#3 STANDARD	#3 STANDARD	#3 STANDARD
DOUGLAS FIR - LARCH		DOUGLAS FIR - LARCH	
#1 / #2 STANDARD	#1 / #2 STANDARD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

CABLE TRUSS DETAIL NOTES:
LIVE LOAD DEFLECTION CRITERIA IS L/740.
PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BRACING (6 PSF TO DEAD LOAD).
CABLE END SUPPORTS LOAD FROM 4' 0" OUTLEAKERS WITH 2' 0" OVERHANG, OR 12' PLTWOOD OVERHANG.
ATTACH EACH "L" BRACE WITH 104 NAILS.
* FOR (1) "L" BRACE, SPACE NAILS AT 8" O.C.
IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES, BRACE NAILS AT 8" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 60K OR WEB MEMBER LENGTH.

CABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SERVICE	1X4 OR 2X3	2X4
LESS THAN 4' 0"	1X4 OR 2X3	1X4 OR 2X3	2X4
GREATER THAN 4' 0" BUT LESS THAN 11' 8"	1X4 OR 2X3	1X4 OR 2X3	2X4
GREATER THAN 11' 8"	1X4 OR 2X3	1X4 OR 2X3	2X4

* REFER TO COMMON TRUSS DESIGN FOR PLANK, SPLICE, AND HEBEL PLATES.



CONTRACT NO. 1-03 QUALITY CONSTRUCTION SAFETY (INTERSECTION, PULASKI AND STATE ROUTE 200, MADISON, VA 20109) AND VITA (LINDY TRUSS CONSTRUCTION, 1800 ENTERPRISE DR., SUITE 200, MADISON, VA 20109) FOR SAFETY PRACTICES PRIOR TO PERFORMING CONSTRUCTION OF THE TRUSS BRACING. THE TRUSS BRACING SHALL HAVE A PROPERLY ATTACHED RIBBON SEALING.

REVIEWED
By Julius Lee at 12:00 pm, Jun 11, 2008

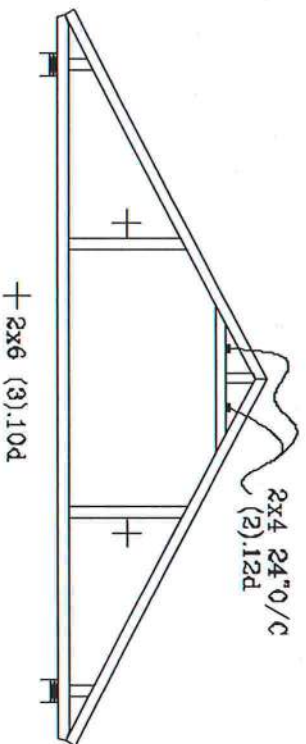
JULIUS LEE'S
CONS. ENGINEERS P.A.
1466 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

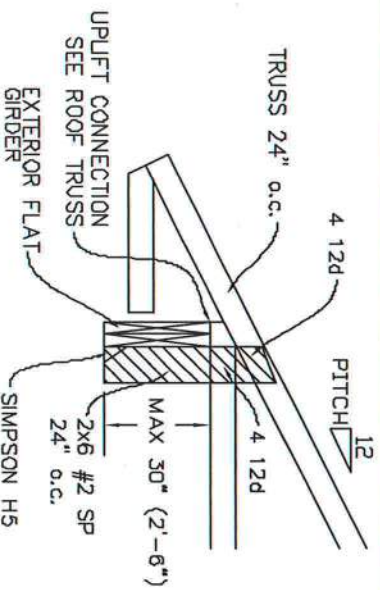
MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

REF ASCE 7-02 GAB13090
DATE 11/26/03
DWG. LAYER STD. GABLE 30' 2" H
-ENG

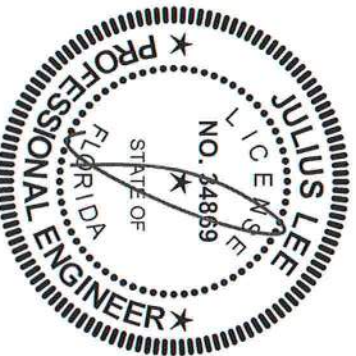
TYPICAL ATTIC TRUSS BRACING



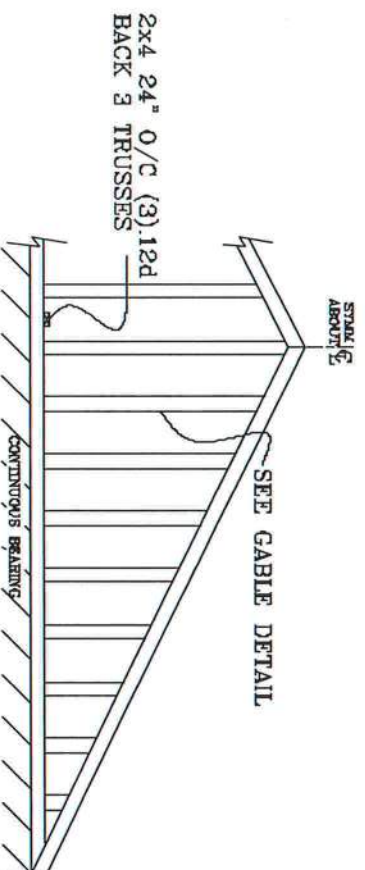
TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



REVIEWED
By Julius Lee at 11:59 am, Jun 11, 2008

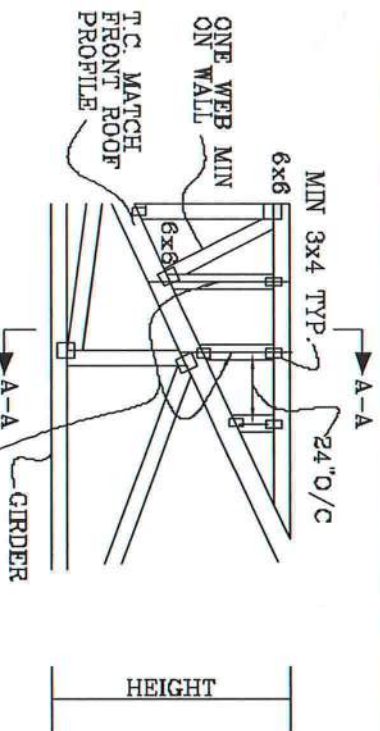


GABLE END TRUSS DETAIL



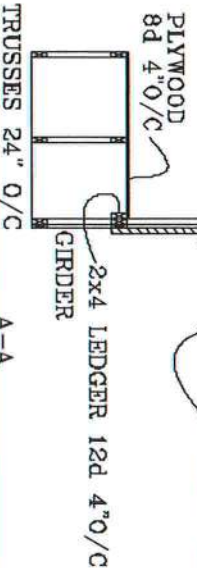
MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR BOB

TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



SEE ROOF TRUSSES FOR UPLIFT
ROOF 24" O/C

SEE GABLE END DETAIL FOR T-BRACE BEHIND EACH VERTICAL



A-A

JULIUS LEE'S
CONS. ENGINEERS P.A.

1456 SW 4th AVENUE
DIERAT BRIDGE, FL 33444-2611

No: 34869
STATE OF FLORIDA

TOP	CHORD	2X4	#2	OR	BETTER
BOT	CHORD	2X4	#2	OR	BETTER
	WEBS	2X4	#3	OR	BETTER

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

PIG-BACK 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 TRUSS

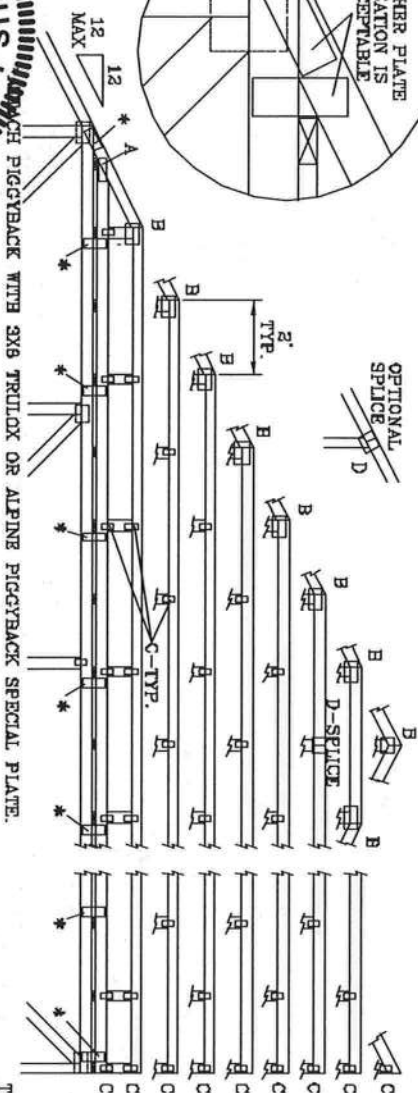
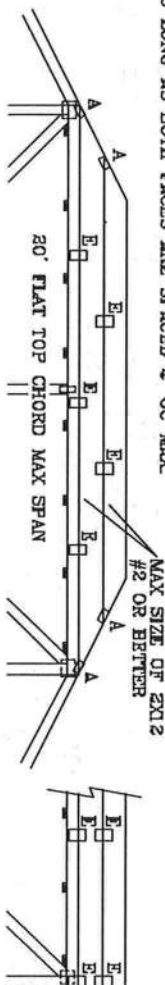
REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS

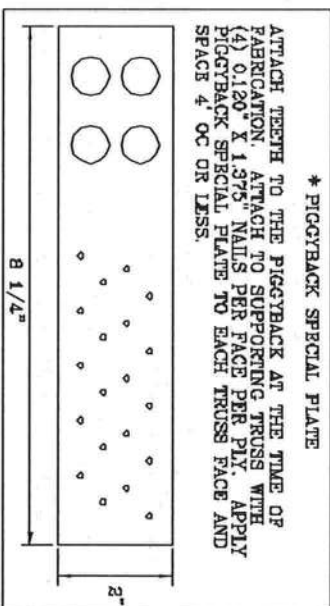
110 MFH WUD, 30 MEAN HGT, ASCE 7-02, CLOSED BLDG,
LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST
CAT 1, EXP C, WIND TC DL-5 PSF, WIND BC DL-5 PSF
110 MFH WUD, 30 MEAN HGT, FEG
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL-5 PSF, WIND BC DL-5 PSF

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

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED
BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C
WIND TC DL=5 PSF, WIND BC DL=6 PSF



CH PIGGYBACK WITH 3X6 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE



* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4" OC OR LESS.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	62'
A	2X4	2.5X4	2.5X4	3X6
B	4X6	6X6	6X8	6X6
C	1.5X8	1.5X4	1.5X4	1.5X4
D	5X4	6X6	6X6	6X6
E	4X8 OR 3X6 TRUSS AT 4' OC, ROTATED VERTICALLY			

ATTACH TUDLOX PLATES WITH (8) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TUDLOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0" TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE, SAME GRADE, SPECIES AS WEBB MEMBER, OR BETTER, AND 80% LENGTH OF WEBB MEMBER. ATTACH WITH 9d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE, SAME GRADE, SPECIES AS WEBB MEMBER, OR BETTER, AND 80% LENGTH OF WEBB MEMBER. ATTACH WITH 16d NAILS AT 4" OC.

ENVIRONMENT. THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND MAINTAINING. REFER TO A-3 QUALIFYING COMPETENT SAFETY DEPARTMENT, PUBLISHED BY THE TRUSS MANUFACTURING INSTITUTE, 300 OXFORD RD., SUITE 200, MADISON, WI 53719 AND A-10A COLD ROLLS CHANNEL ENTERPRISES, INC. MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED CULTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLULOSE.

**ULIUS LEE'S
CONS. ENGINEERS P.A.**
1400 SW 42ND AVENUE
DIKEWAY BRIDGE, FL. 33444-2161

MAX LOADING
55 PSF AT
1.33 DUR. FAC.
50 PST AT

REF PIGGYBACK

DATE 09/12/07

DRWG MITEK STD PIGGY

-ENG JL

1043

SPACING 24.0"

REVIEWED

By julius lee at 11:59 am, Jun 11, 2008

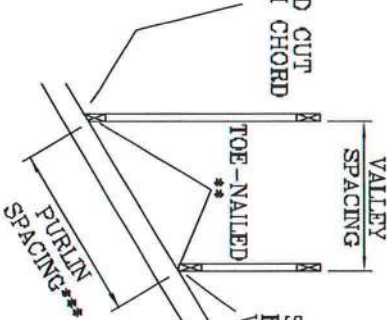
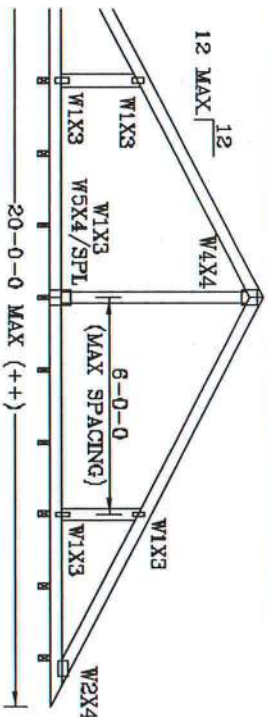
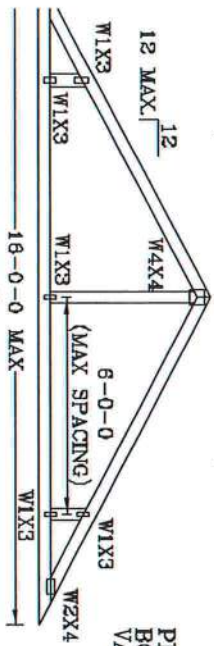
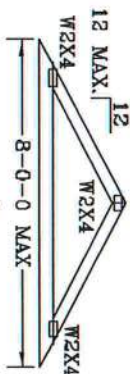
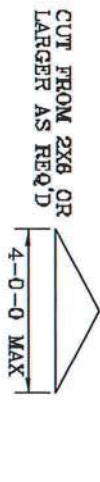
No: 34869
STATE OF FLORIDA

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.

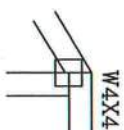
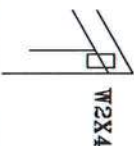
* 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).

** 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. 15' MEAN HEIGHT, ENCLOSED
BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=6 PSF.



SQUARE CUT
BOTTOM CHORD
VALLEY

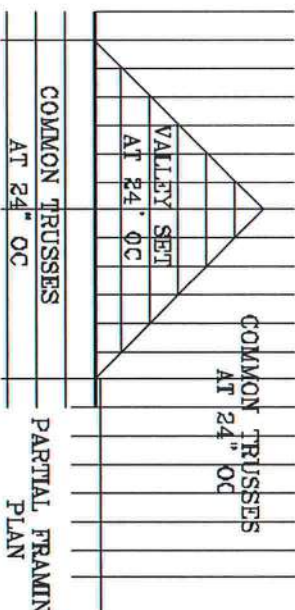
OPTIONAL STUB
END DETAIL



*** 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.

UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80%
LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED
WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING,
EQUALLY SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9".
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH:
PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS
INSTALLATION
OR
PURLINS AT 24" OC OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN
OR
BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED ON
ENGINEERS' SEALED DESIGN.



COMMON TRUSSES
AT 24" OC

PARTIAL FRAMING
PLAN

THIS DRAWING REPLACES DRAWING A105

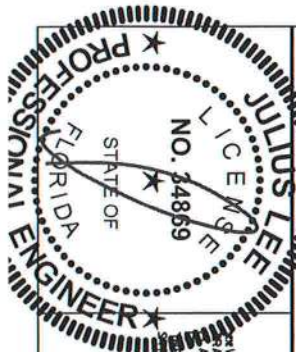
JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 SW 4th AVENUE
DEALY BEACH, FL 33444-8161

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

No: 34888
STATE OF FLORIDA

DURFAC 1.25
SPACING 24"



REVIEWED

By Julius Lee at 11:59 am, Jun 11, 2008

VARIOUS TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND
BRACING. REFER TO 301-1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS
INSTITUTE, 580 CROMFORD DR., SUITE 200, WOODSON, VA 53799 AND AVOID TRUSS COLLISION.
AMERICA, 4010 ENTERPRISE DR., SUITE 200, WOODSON, VA 53799 FOR SAFETY PRACTICES PRIOR TO PERFORMING
THESE OPERATIONS. THESE OPERATIONS SHOULD BE PERFORMED BY A PERSONNEL WHO HAS BEEN TRAINED
IN THESE OPERATIONS AND SHOULD HAVE A PROPERLY ATTACHED RIBBON DESIGN.

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.

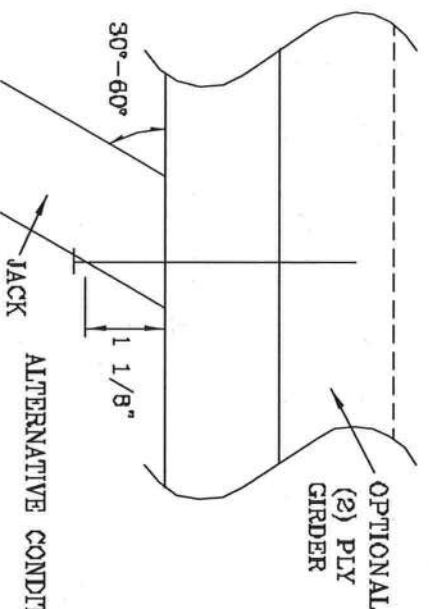
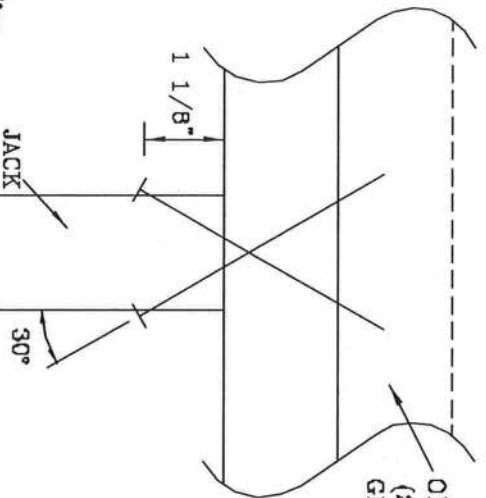
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

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

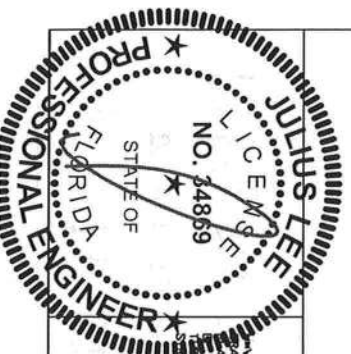
NUMBER OF TOE-NAILS	SOUTHERN PINE		DOUGLAS FIR-LARCH		HEM-FIR		SPRUCE PINE FIR	
	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS	1 PLY	2 PLYS
2	197#	256#	181#	234#	156#	203#	154#	189#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

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



ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND SPACING. REFER TO BOST 1-03 QUALITY COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS INSTITUTE, 788 YOUNGFRID RD., SUITE 200, NATION, VT 05719 AND VICA (WOOD TRUSS EXCHANGE) 1680 ENTERPRISE LN, NATION, VT 05719 FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS CONSTRUCTION. ALL TRUSSES SHALL BE PROPERLY ATTACHED TO THE CHORDS AND BRACES. ALL TRUSSES SHALL HAVE A PROPERLY ATTACHED ROOF BEAMS.

STATE OF

FLORIDA

ENGINEER

REVIEWED

By Julius Lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S
CONS. ENGINEERS P.A.

1400 SW 4TH AVENUE
DELRAY BEACH, FL 33444-2161

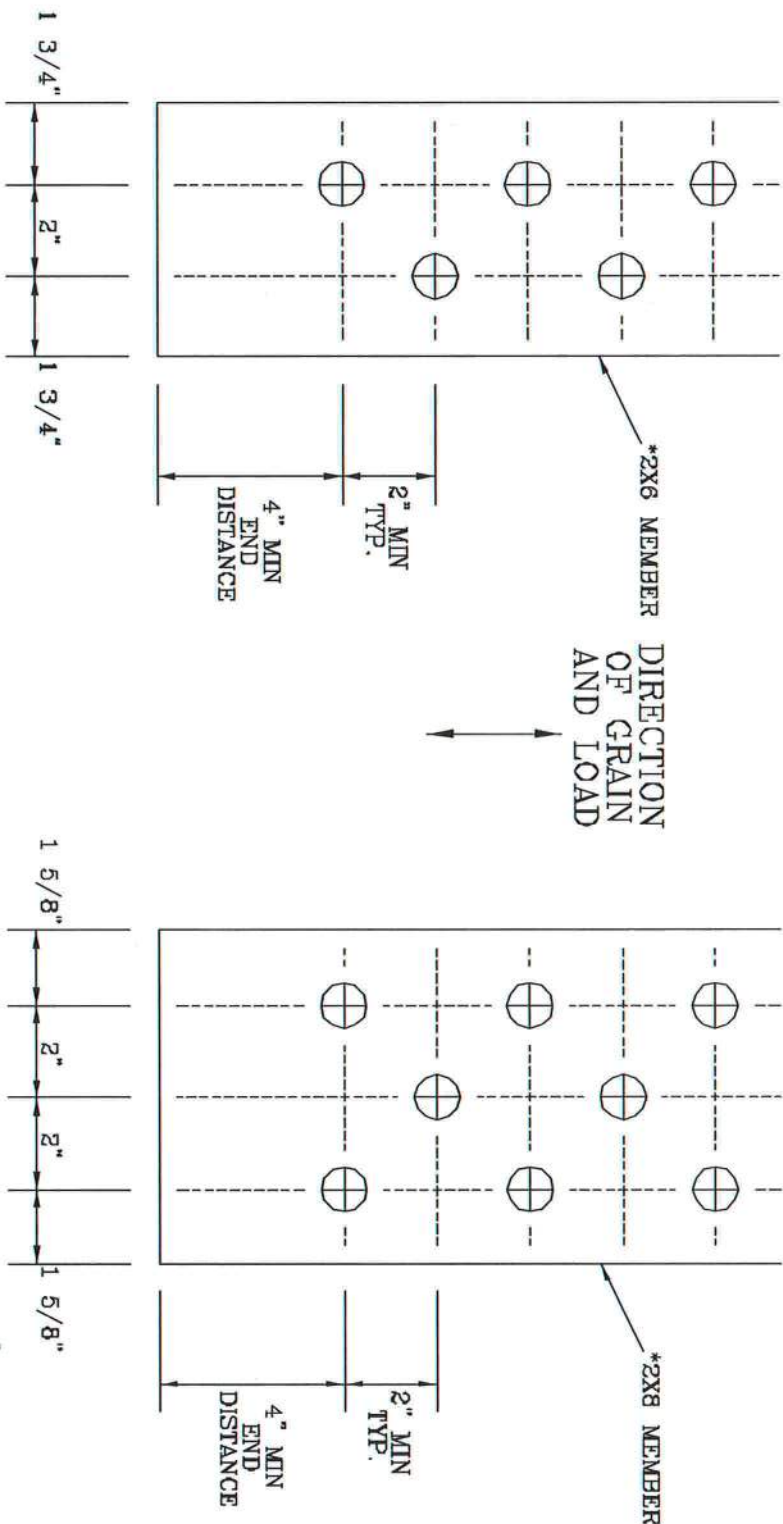
No. 34869
STATE OF FLORIDA

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

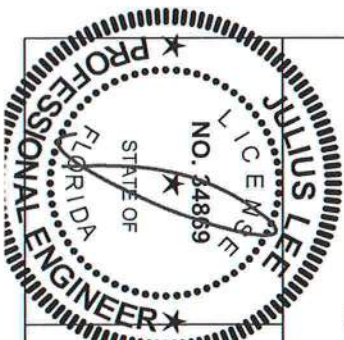


2X6 DETAIL

2X8 DETAIL

THIS DRAWING REPLACES DRAWING A628.016

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOSS L-00 BUILDING DEPARTMENT SAFETY DEPARTMENT, PUBLISHED BY THE CITRUS COUNTY INSTITUTE FOR PROPER DESIGN, STATE OF FLORIDA, 1400 57th AVENUE, DEERBERRY BRIDGE, FL 33441-2101. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, ALL TRUSS CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIBBON CEILING.



REVIEWED
By Julius Lee at 11:59 am, Jun 11, 2008

JULIUS LEE'S
CONS. ENGINEERS P.A.
1400 57th AVENUE
DEERBERRY BRIDGE, FL 33441-2101

No. 34869
STATE OF FLORIDA

TC LL	PSF	REF	BOLT SPACING
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	CNBOLTSPI103
BC LL	PSF	ENG	JL
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

TRULOX CONNECTION DETAIL

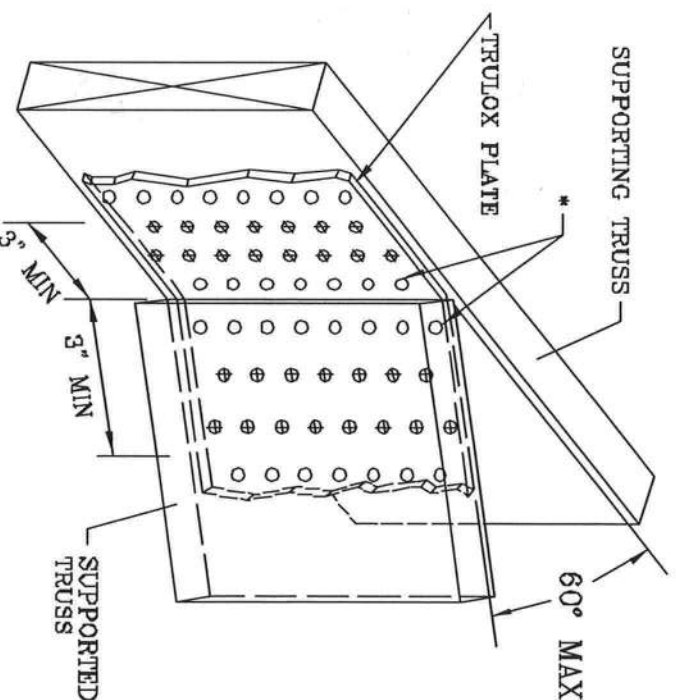
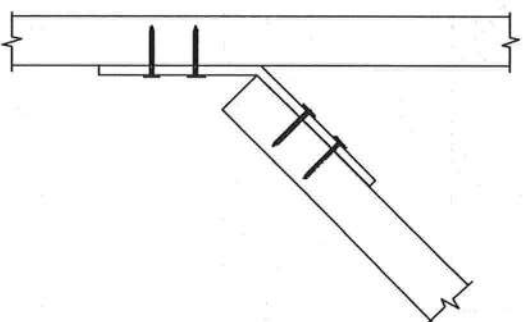
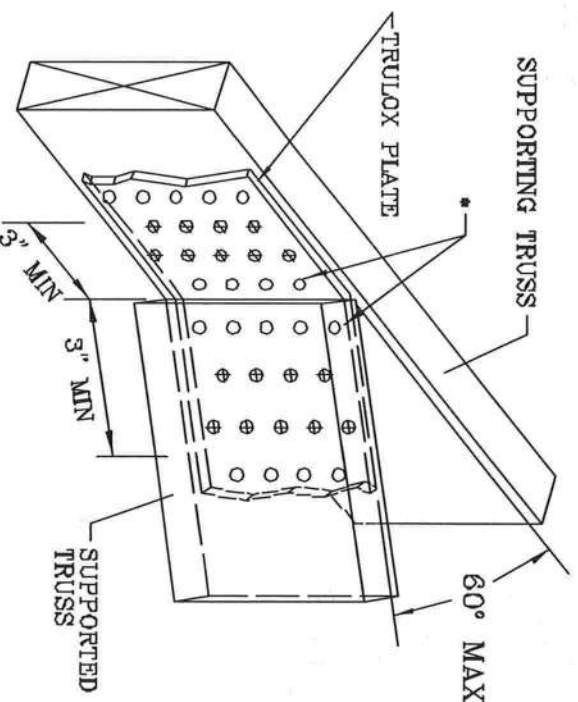
11 GAUGE (0.120" X 1.375") NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. FILL ROWS COMPLETELY WHERE SHOWN (Φ).

* 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.



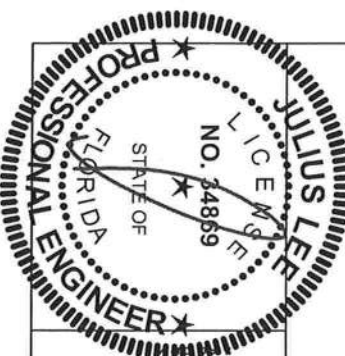
MINIMUM 3X6 TRULOX PLATE

TRULOX PLATE SIZE	REQUIRED NAILS PER TRUSS	MAXIMUM LOAD UP OR DOWN
3X6	9	350 #
6X6	15	990 #

MINIMUM 5X6 TRULOX PLATE

REVIEWED
By Julius Lee at 11:58 am, Jun 11, 2008

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 2003 I-93 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS ASSOCIATION, 583 DOWNSIDE DR., SUITE 200, WATSON, VA 25779 AND VITA CYCLO TRUSS COUNCIL, 1000 N. 10TH ST., SUITE 100, WATSON, VA 25779 FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED ROOFING PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED ROOF CEILING.

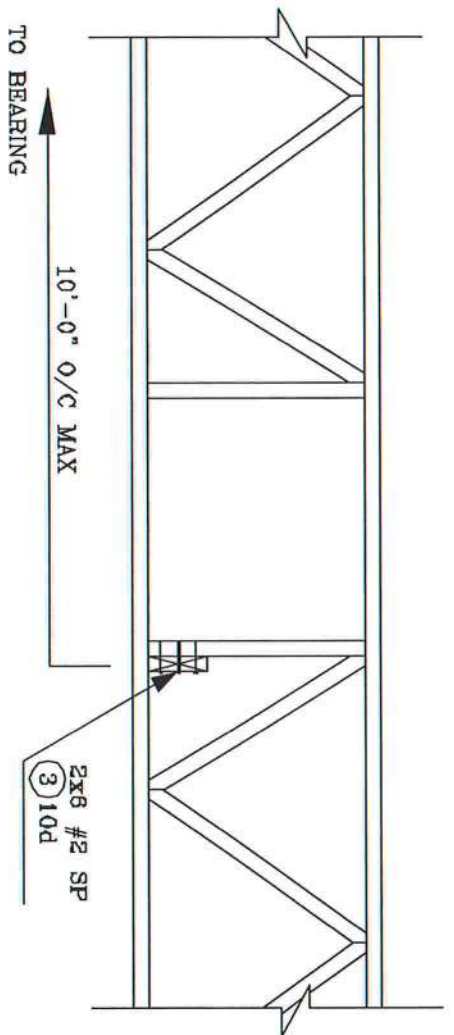
JULIUS LEE'S
CONS. ENGINEERS P.A.

1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2101

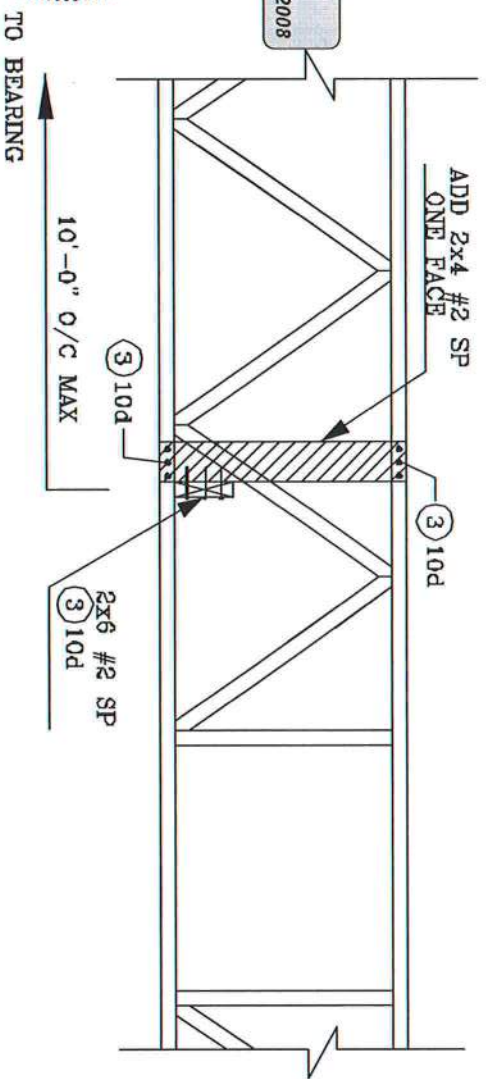
No: 34869
STATE OF FLORIDA

REF	TRULOX
DATE	11/26/03
DRWG	CNTRULOX1103
-ENG	JL

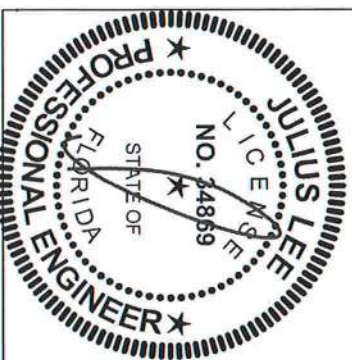
STRONG BACK DETAIL SYSTEM-42 OR FLAT TRUSS



ALTERNATE DETAIL FOR STRONG BACK WITH VERTICAL NOT LINING UP



REVIEWED
By Julius Lee at 11:58 am, Jun 11, 2008



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 42nd AVENUE
MIAMI BEACH, FL 33444-2161

No. 34869
STATE OF FLORIDA

MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

Maximum Uniform Load Applied to Either Outside Member (PLF)

Connector Type	Number of Rows	Connector On-Center Spacing	Connector Pattern					
			Assembly A	Assembly B	Assembly C	Assembly D	Assembly E	Assembly F
			3 1/2" 2-ply	5 1/4" 3-ply	5 1/4" 2-ply	7" 3-ply	7" 2-ply	7" 4-ply
10d (0.128" x 3") Nail ⁽¹⁾	2	12"	370	280	280	245		
	3	12"	555	415	415	370		
1/2" A307 Through Bolts ⁽²⁾⁽⁴⁾	2	24"	505	380	520	465	860	340
		19.2"	635	475	655	580	1,075	425
		16"	760	570	785	695	1,290	505
SDS 1/4" x 3 1/2" ⁽⁴⁾	2	24"	680	510	510	455		
		19.2"	850	640	640	565		
		16"	1,020	765	765	680		
SDS 1/4" x 6" ⁽³⁾⁽⁴⁾	2	24"				455	465	455
		19.2"				565	580	565
		16"				680	695	680
USP WS35 ⁽⁴⁾	2	24"	480	360	360	320		
		19.2"	600	450	450	400		
		16"	715	540	540	480		
USP WS6 ⁽³⁾⁽⁴⁾	2	24"				350	525	350
		19.2"				440	660	440
		16"				525	790	525
3 3/8" TrussLok ⁽⁴⁾	2	24"	635	475	475	425		
		19.2"	795	595	595	530		
		16"	955	715	715	635		
5" TrussLok ⁽⁴⁾	2	24"		500	500	445	480	445
		19.2"		625	625	555	600	555
		16"		750	750	665	725	665
6 3/4" TrussLok ⁽⁴⁾	2	24"				445	620	445
		19.2"				555	770	555
		16"				665	925	665

(1) Nailed connection values may be doubled for 6" on-center or tripled for 4" on-center nail spacing.

(2) Washers required. Bolt holes to be 1/16" maximum.

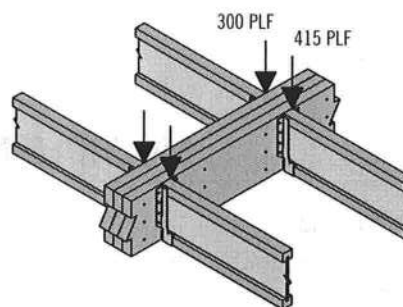
(3) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

(4) 24" on-center bolted and screwed connection values may be doubled for 12" on-center spacing.

General Notes

- Connections are based on NDS® 2005 or manufacturer's code report.
- Use specific gravity of 0.5 when designing lateral connections.
- Values listed are for 100% stress level. Increase 15% for snow-loaded roof conditions or 25% for non-snow roof conditions, where code allows.
- Bold Italic** cells indicate **Connector Pattern** must be installed on both sides. Stagger fasteners on opposite side of beam by 1/2 the required **Connector Spacing**.
- Verify adequacy of beam in allowable load tables on pages 16–33.
- 7" wide beams should be side-loaded only when loads are applied to both sides of the members (to minimize rotation).
- Minimum end distance for bolts and screws is 6".
- Beams wider than 7" require special consideration by the design professional.

Uniform Load Design Example




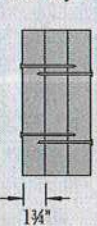



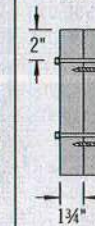
First, check the allowable load tables on pages 16–33 to verify that three pieces can carry the total load of 715 plf with proper live load deflection criteria. Maximum load applied to either outside member is 415 plf. For a 3-ply 1 3/4" assembly, two rows of 10d (0.128" x 3") nails at 12" on-center is good for only 280 plf. Therefore, use three rows of 10d (0.128" x 3") nails at 12" on-center (good for 415 plf).

Alternates:

Two rows of 1/2" bolts or SDS 1/4" x 3 1/2" screws at 19.2" on-center.

MULTIPLE-MEMBER CONNECTIONS FOR SIDE-LOADED BEAMS

Point Load—Maximum Point Load Applied to Either Outside Member (lbs)

Connector Type	Number of Connectors	Connector Pattern					
		Assembly A	Assembly B	Assembly C	Assembly D	Assembly E	Assembly F
							
		3 1/2" 2-ply	5 1/4" 3-ply	5 1/4" 2-ply	7" 3-ply	7" 2-ply	7" 4-ply
10d (0.128" x 3") Nail	6	1,110	835	835	740		
	12	2,225	1,670	1,670	1,485		
	18	3,335	2,505	2,505	2,225		
	24	4,450	3,335	3,335	2,965		
SDS Screws 1/4" x 3 1/2" or WS35 1/4" x 6" or WS6 ⁽¹⁾	4	1,915	1,435 ⁽⁴⁾	1,435	1,275	1,860 ⁽²⁾	1,405 ⁽²⁾
	6	2,870	2,150 ⁽⁴⁾	2,150	1,915	2,785 ⁽²⁾	2,110 ⁽²⁾
	8	3,825	2,870 ⁽⁴⁾	2,870	2,550	3,715 ⁽²⁾	2,810 ⁽²⁾
3 3/8" or 5" TrussLok™	4	2,545	1,910 ⁽⁴⁾	1,910	1,695	1,925 ⁽³⁾	1,775 ⁽³⁾
	6	3,815	2,860 ⁽⁴⁾	2,860	2,545	2,890 ⁽³⁾	2,665 ⁽³⁾
	8	5,090	3,815 ⁽⁴⁾	3,815	3,390	3,855 ⁽³⁾	3,550 ⁽³⁾

(1) 6" SDS or WS screws can be used with Parallam® PSL and Microllam® LVL, but are not recommended for TimberStrand® LSL.

See General Notes on page 38

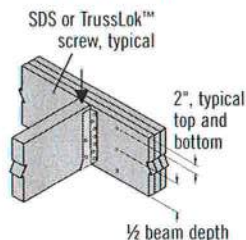
(2) 6" long screws required.

(3) 5" long screws required.

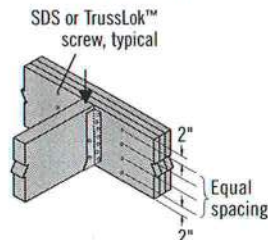
(4) 3 1/2" and 3 3/8" long screws must be installed on both sides.

Connections

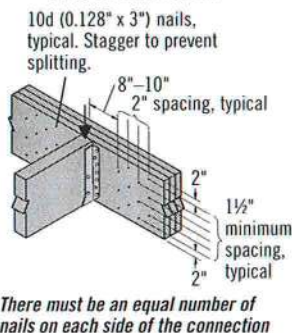
4 or 6 or Screw Connection



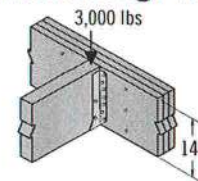
8 Screw Connection



Nail Connection



Point Load Design Example



First, verify that a 3-ply 1 3/4" x 14" beam is capable of supporting the 3,000 lb point load as well as all other loads applied. The 3,000 lb point load is being transferred to the beam with a face mount hanger. For a 3-ply 1 3/4" assembly, eight 3 3/8" TrussLok™ screws are good for 3,815 lbs with a face mount hanger.

MULTIPLE-MEMBER CONNECTIONS FOR TOP-LOADED BEAMS

1 3/4" Wide Pieces

- Minimum of three rows of 10d (0.128" x 3") nails at 12" on-center.
- Minimum of four rows of 10d (0.128" x 3") nails at 12" on-center for 14" or deeper.
- If using 12d–16d (0.148–0.162" diameter) nails, the number of nailing rows may be reduced by one.
- Minimum of two rows of SDS, WS, or TrussLok™ screws at 16" on-center. Use 3 3/8" minimum length with two or three plies; 5" minimum for 4-ply members. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. For 3- or 4-ply members, connectors must be installed

on both sides. Stagger fasteners on opposite side of beam by 1/2 of the required connector spacing.

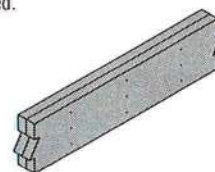
- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

3 1/2" Wide Pieces

- Minimum of two rows of SDS, WS, or TrussLok™ screws, 5" minimum length, at 16" on-center. 6" SDS and WS screws are not recommended for use with TimberStrand® LSL. Connectors must be installed on both sides. Stagger fasteners on opposite side of beam by 1/2 of the required connector spacing.

- Load must be applied evenly across entire beam width. Otherwise, use connections for side-loaded beams.

- Minimum of two rows of 1/2" bolts at 24" on-center staggered.



Multiple pieces can be nailed or bolted together to form a header or beam of the required size, up to a maximum width of 7"

