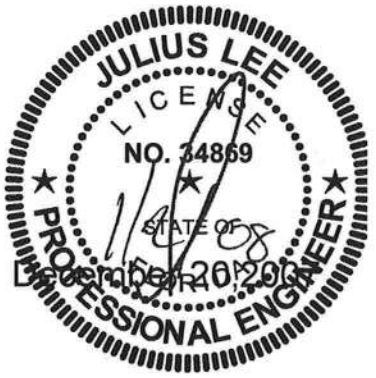
Builders FirstSource



Project Information for: L263148

Builder: Hugo Escalante
Lot : 4 and 5
Subdivision: 3 Rivers Estates
County: Columbia
Truss Count: 34
Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002

Truss Design Load Information:

Gravity: **Wind:**

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

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

Contractor of Record, responsible for structural engineering:
Hugo Escalante Florida License No. CRC1326967
Address: P.O. Box 280 Fort White, Florida 32038

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

Notes:

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

No.	Drwg. #	Truss ID	Date	No.	Drwg. #	Truss ID	Date
1	J1919382	CJ1	12/20/07	29	J1919410	T07	12/20/07
2	J1919383	CJ11	12/20/07	30	J1919411	T08	12/20/07
3	J1919384	CJ11A	12/20/07	31	J1919412	T09	12/20/07
4	J1919385	CJ3	12/20/07	32	J1919413	T09G	12/20/07
5	J1919386	CJ5	12/20/07	33	J1919414	T10	12/20/07
6	J1919387	CJ5A	12/20/07	34	J1919415	T10G	12/20/07
7	J1919388	CJ7	12/20/07				
8	J1919389	CJ7A	12/20/07				
9	J1919390	CJ9	12/20/07				
10	J1919391	CJ9A	12/20/07				
11	J1919392	EJ13	12/20/07				
12	J1919393	EJ13A	12/20/07				
13	J1919394	EJ13B	12/20/07				
14	J1919395	EJ13C	12/20/07				
15	J1919396	EJ13D	12/20/07				
16	J1919397	HJ18	12/20/07				
17	J1919398	HJ18A	12/20/07				
18	J1919399	PB1	12/20/07				
19	J1919400	PB1A	12/20/07				
20	J1919401	PB1B	12/20/07				
21	J1919402	PB1C	12/20/07				
22	J1919403	PB1D	12/20/07				
23	J1919404	T01	12/20/07				
24	J1919405	T02	12/20/07				
25	J1919406	T03	12/20/07				
26	J1919407	T04	12/20/07				
27	J1919408	T05	12/20/07				
28	J1919409	T06	12/20/07				

Job	Truss	Truss Type	Qty	Ply	0 0 J1919382
L263148	CJ1	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:15:59 2007 Page 1

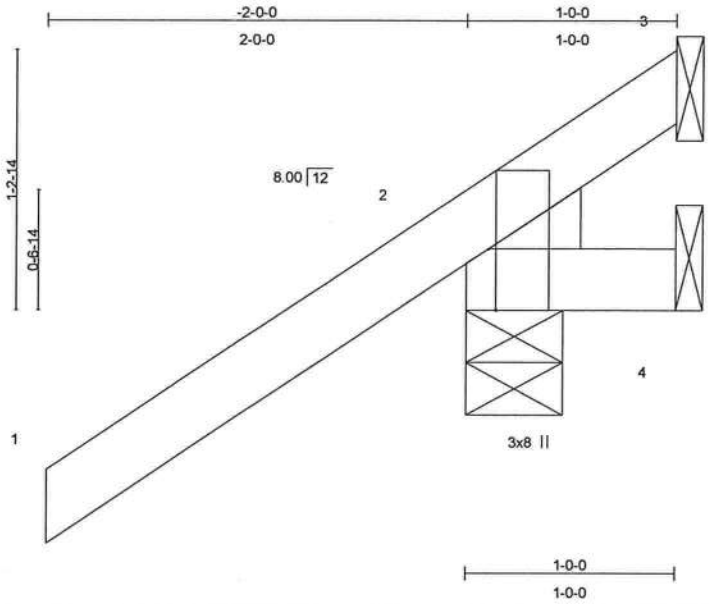


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 8 lb	

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

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

REACTIONS (lb/size) 2=261/0-5-8, 4=5/Mechanical, 3=-95/Mechanical
Max Horz 2=112(load case 6)
Max Uplift 2=-286(load case 6), 4=-11(load case 4), 3=-95(load case 1)
Max Grav 2=261(load case 1), 4=14(load case 2), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=-101/103
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12 and 2 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919382
L263148	CJ1	JACK	8	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 11 lb uplift at joint 4 and 95 lb uplift at joint 3.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919383
L263148	CJ11	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 19 16:13:42 2007 Page 1

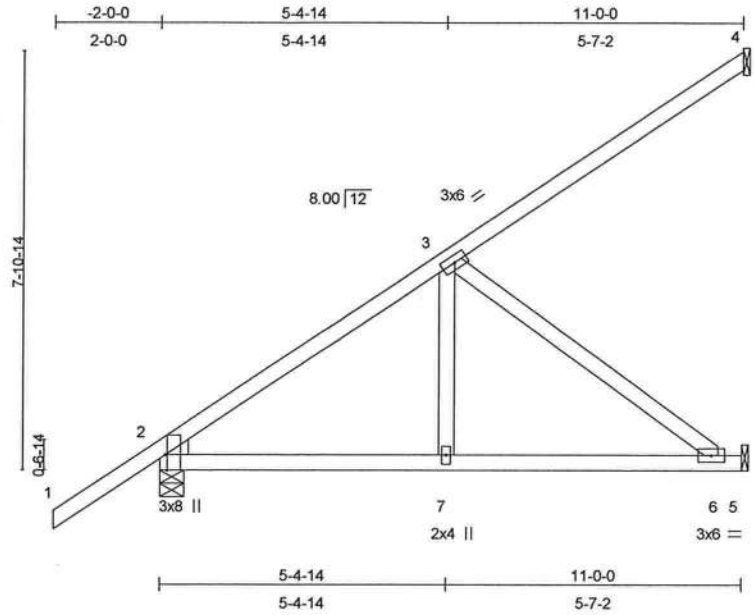


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.15	6-7	>884	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.07	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.25	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

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

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

REACTIONS (lb/size) 4=120/Mechanical, 2=476/0-5-8, 5=210/Mechanical
Max Horz 2=297(load case 6)
Max Uplift 4=-84(load case 6), 2=-250(load case 6), 5=-217(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-417/317, 3-4=-99/50
BOT CHORD 2-7=-510/272, 6-7=-510/272, 5-6=0/0
WEBS 3-7=-377/206, 3-6=-340/637

JOINT STRESS INDEX
2 = 0.36, 2 = 0.00, 3 = 0.35, 6 = 0.21 and 7 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919383
L263148	CJ11	MONO TRUSS	6	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 4, 250 lb uplift at joint 2 and 217 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida FIE No. 34838
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919384
L263148	CJ11A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:00 2007 Page 1

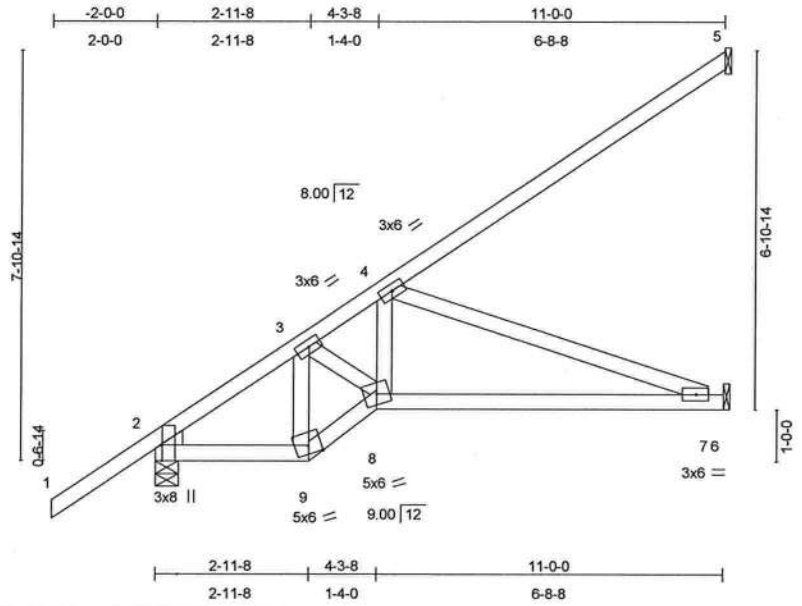


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.07	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.12	7-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 lb	

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

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

REACTIONS (lb/size) 5=141/Mechanical, 2=476/0-5-8, 6=189/Mechanical
Max Horz 2=297(load case 6)
Max Uplift 5=-98(load case 6), 2=-116(load case 6), 6=-69(load case 6)
Max Grav 5=141(load case 1), 2=476(load case 1), 6=195(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-391/0, 3-4=-521/132, 4-5=-117/59
BOT CHORD 2-9=-216/243, 8-9=-254/319, 7-8=-419/484, 6-7=0/0
WEBS 3-9=-222/189, 3-8=-267/326, 4-8=0/257, 4-7=-513/444

JOINT STRESS INDEX
2 = 0.30, 2 = 0.00, 3 = 0.21, 4 = 0.19, 7 = 0.14, 8 = 0.79 and 9 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919384
L263148	CJ11A	SPECIAL	2	1	Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 5, 116 lb uplift at joint 2 and 69 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida FIE No. 34868
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919385
L263148	CJ3	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:00 2007 Page 1

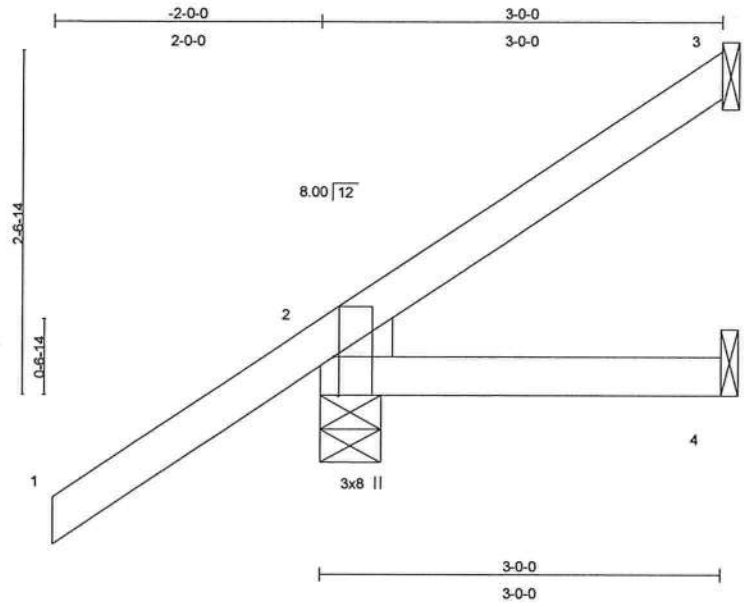


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.00	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 lb	

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

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

REACTIONS (lb/size) 3=24/Mechanical, 2=257/0-5-8, 4=14/Mechanical
Max Horz 2=172(load case 6)
Max Uplift 3=-40(load case 7), 2=-226(load case 6), 4=-32(load case 4)
Max Grav 3=33(load case 4), 2=257(load case 1), 4=41(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-78/19
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11 and 2 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE# No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919385
L263148	CJ3	JACK	8	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 3, 226 lb uplift at joint 2 and 32 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919386
L263148	CJ5	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:01 2007 Page 1

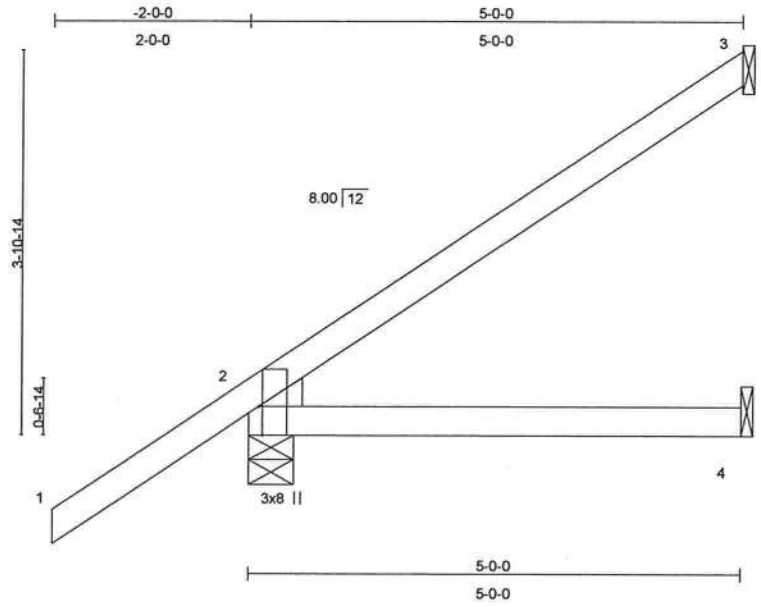


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.08	2-4	>699	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

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

REACTIONS (lb/size) 3=99/Mechanical, 2=300/0-5-8, 4=24/Mechanical
Max Horz 2=233(load case 6)
Max Uplift 3=-113(load case 6), 2=-235(load case 6), 4=-55(load case 4)
Max Grav 3=99(load case 1), 2=300(load case 1), 4=71(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-99/44
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13 and 2 = 0.00

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE# No. 34169
1109 Coastal Ray Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919386
L263148	CJ5	JACK	6	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 3, 235 lb uplift at joint 2 and 55 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919387
L263148	CJ5A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:01 2007 Page 1

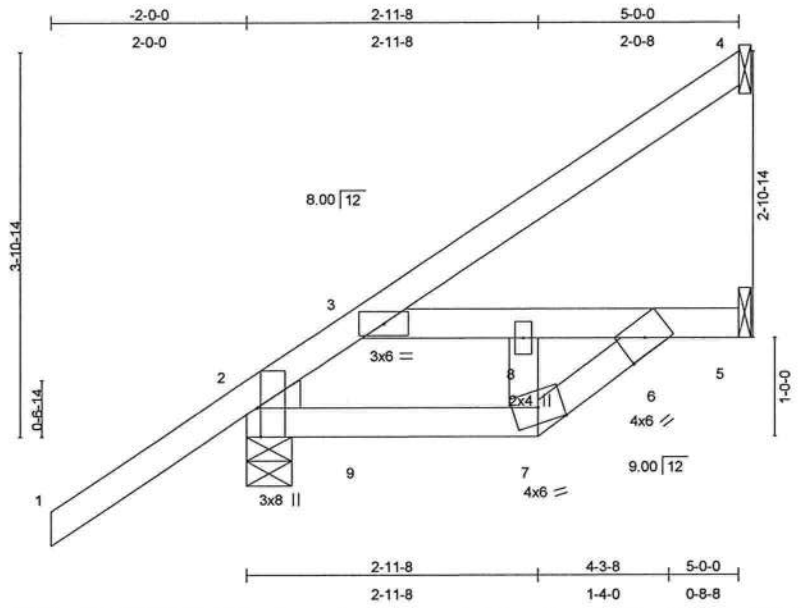


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.09	6-8	>604	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.03	6-8	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-9 oc bracing.

REACTIONS (lb/size) 4=86/Mechanical, 2=314/0-5-8, 5=52/Mechanical
Max Horz 2=283(load case 6)
Max Uplift 4=-92(load case 6), 2=-331(load case 6), 5=-191(load case 7)
Max Grav 4=86(load case 1), 2=314(load case 1), 5=113(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-180/399, 3-4=-71/37
BOT CHORD 2-9=-509/92, 7-9=-509/92, 6-7=-541/124, 3-8=-92/374, 6-8=-91/361, 5-6=0/0
WEBS 7-8=-30/88

JOINT STRESS INDEX
2 = 0.21, 2 = 0.00, 3 = 0.15, 6 = 0.10, 7 = 0.13 and 8 = 0.05

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919387
L263148	CJ5A	SPECIAL	2	1	Job Reference (optional)

NOTES

2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 4, 331 lb uplift at joint 2 and 191 lb uplift at joint 5.

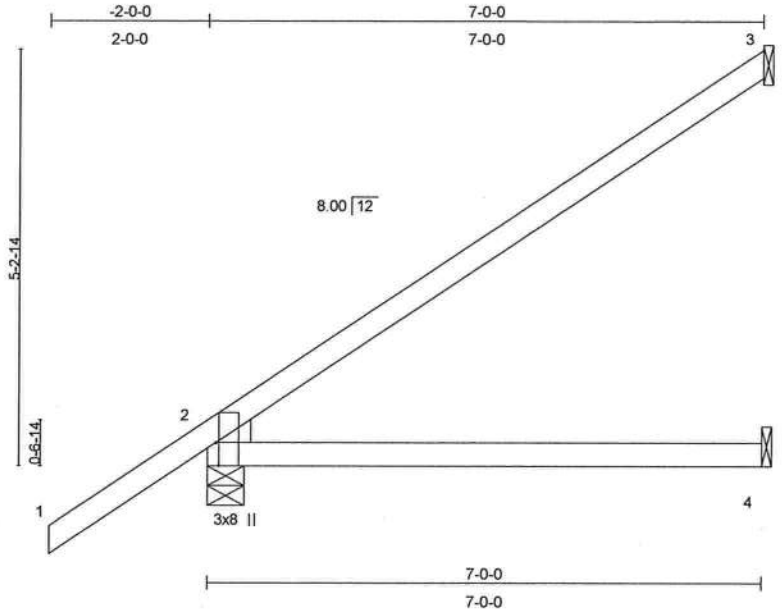
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Ray Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919388
L263148	CJ7	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 19 16:14:49 2007 Page 1



Scale = 1:27.4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.30	2-4	>264	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.16	2-4	>513	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 3=151/Mechanical, 2=355/0-5-8, 4=44/Mechanical
Max Horz 2=211(load case 6)
Max Uplift 3=-116(load case 6), 2=-201(load case 6), 4=-67(load case 5)
Max Grav 3=151(load case 1), 2=355(load case 1), 4=93(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-151/67
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.52 and 2 = 0.00

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 116 lb uplift at joint 3, 201 lb uplift at joint 2 and 67 lb uplift at joint 4.

December 20,2007

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

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

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

Builders FirstSource

Julius Lee
Truss Design Engineer
Florida PE. No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

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

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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	0 0 J1919389
L263148	CJ7A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:02 2007 Page 1

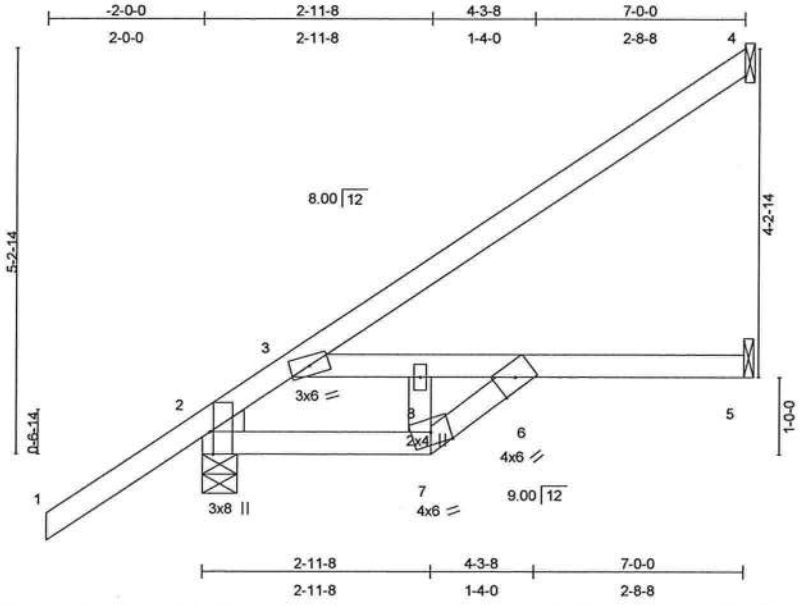


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.07	6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.14	6	>587	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.03	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 lb	

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

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

REACTIONS (lb/size) 4=129/Mechanical, 2=374/0-5-8, 5=77/Mechanical
Max Horz 2=211(load case 6)
Max Uplift 4=-87(load case 6), 2=-105(load case 6), 5=-3(load case 6)
Max Grav 4=129(load case 1), 2=374(load case 1), 5=134(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-291/0, 3-4=-108/54
BOT CHORD 2-7=-174/221, 6-7=-193/226, 3-8=-221/175, 6-8=-216/149, 5-6=0/0
WEBS 7-8=-128/172

JOINT STRESS INDEX
2 = 0.50, 2 = 0.00, 3 = 0.69, 6 = 0.42, 7 = 0.16 and 8 = 0.09

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

julius Lee
Truss Design Engineer
Florida PE No. 34869
1103 Crandall Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919389
L263148	CJ7A	SPECIAL	2	1	Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 4, 105 lb uplift at joint 2 and 3 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919390
L263148	CJ9	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 19 16:15:52 2007 Page 1

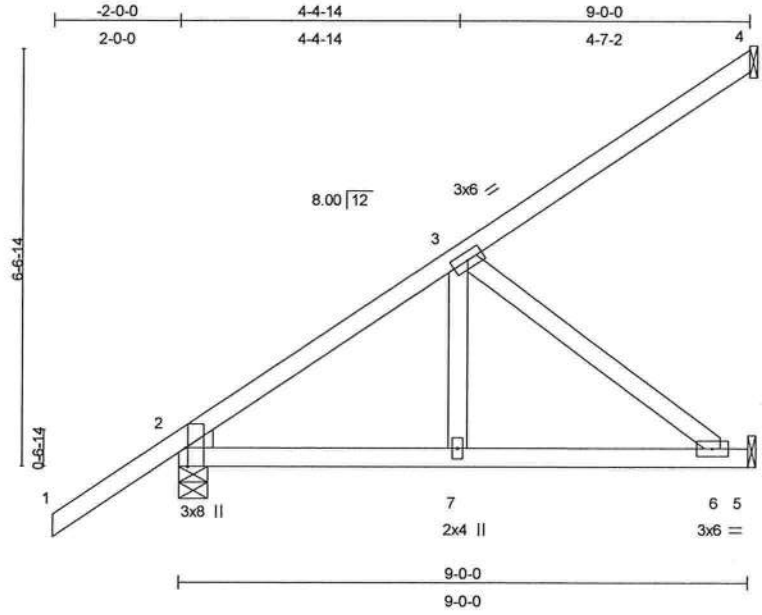


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.08	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.04	6-7	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

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

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

REACTIONS (lb/size) 4=100/Mechanical, 2=414/0-5-8, 5=163/Mechanical
Max Horz 2=254(load case 6)
Max Uplift 4=-71(load case 6), 2=-225(load case 6), 5=-171(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-327/242, 3-4=-83/42
BOT CHORD 2-7=-404/206, 6-7=-404/206, 5-6=0/0
WEBS 3-6=-260/510, 3-7=-303/167

JOINT STRESS INDEX
2 = 0.39, 2 = 0.00, 3 = 0.28, 6 = 0.17 and 7 = 0.12

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE# No. 34183
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919390
L263148	CJ9	MONO TRUSS	6	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 4, 225 lb uplift at joint 2 and 171 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919391
L263148	CJ9A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:03 2007 Page 1

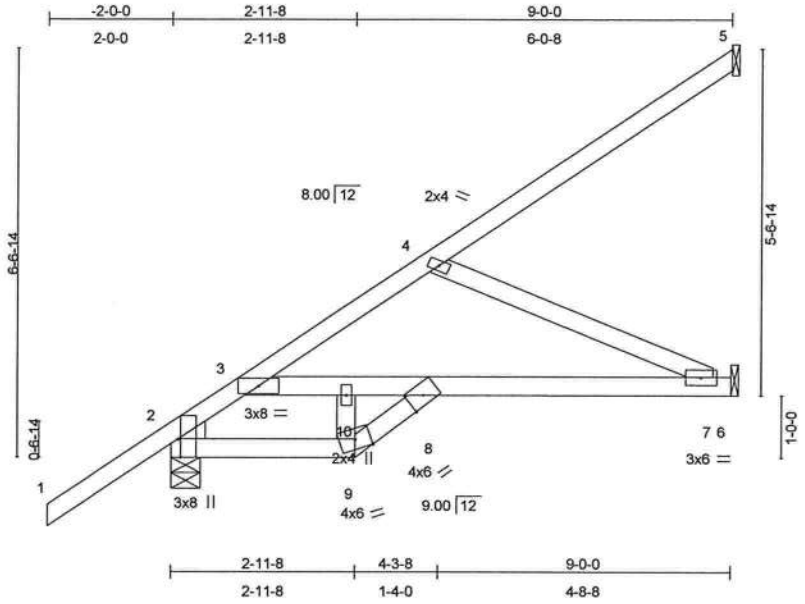


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.15	7-8	>714	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.27	7-8	>384	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 47 lb	

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

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

REACTIONS (lb/size) 5=103/Mechanical, 2=414/0-5-8, 6=160/Mechanical
Max Horz 2=254(load case 6)
Max Uplift 5=-75(load case 6), 2=-115(load case 6), 6=-58(load case 6)
Max Grav 5=103(load case 1), 2=414(load case 1), 6=166(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-240/0, 3-4=-339/78, 4-5=-88/43
BOT CHORD 2-9=-88/67, 8-9=-98/66, 3-10=-195/214, 8-10=-208/216, 7-8=-283/281, 6-7=0/0
WEBS 9-10=-11/91, 4-7=-307/309

JOINT STRESS INDEX
2 = 0.27, 2 = 0.00, 3 = 0.60, 4 = 0.16, 7 = 0.08, 8 = 0.32, 9 = 0.09 and 10 = 0.06

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Julius Lee
Truss Design Engineer
Florida PE No. 31819
1900 Crastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919391
L263148	CJ9A	SPECIAL	2	1	Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 5, 115 lb uplift at joint 2 and 58 lb uplift at joint 6.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919392
L263148	EJ13	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:48:02 2007 Page 1

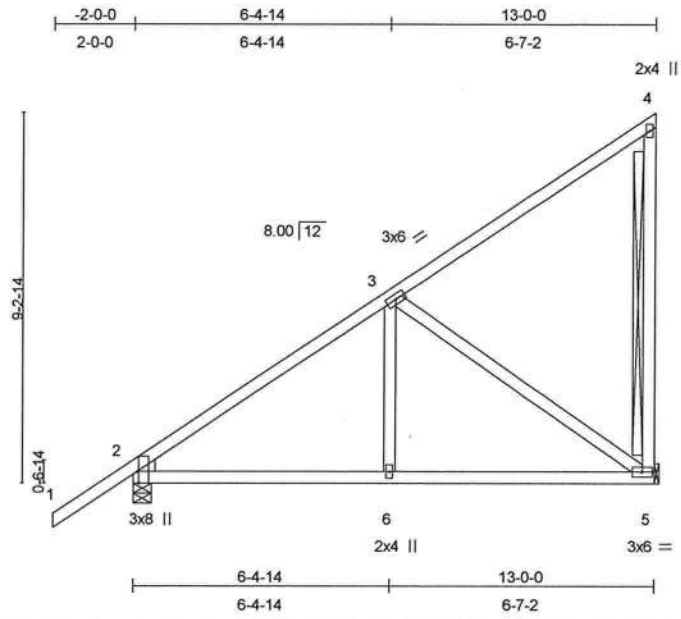


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.15	5-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.08	5-6	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.43	Horz(TL)	-0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 77 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-2 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 4-5
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=535/0-5-8, 5=393/Mechanical
Max Horz 2=338(load case 6)
Max Uplift 2=-276(load case 6), 5=-358(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-495/372, 3-4=-117/57
BOT CHORD 2-6=-597/328, 5-6=-597/328
WEBS 3-6=-405/227, 3-5=-401/729, 4-5=-138/144

JOINT STRESS INDEX
2 = 0.36, 2 = 0.00, 3 = 0.39, 4 = 0.07, 5 = 0.34 and 6 = 0.17

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
2109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919392
L263148	EJ13	MONO TRUSS	3	1	Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 276 lb uplift at joint 2 and 358 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

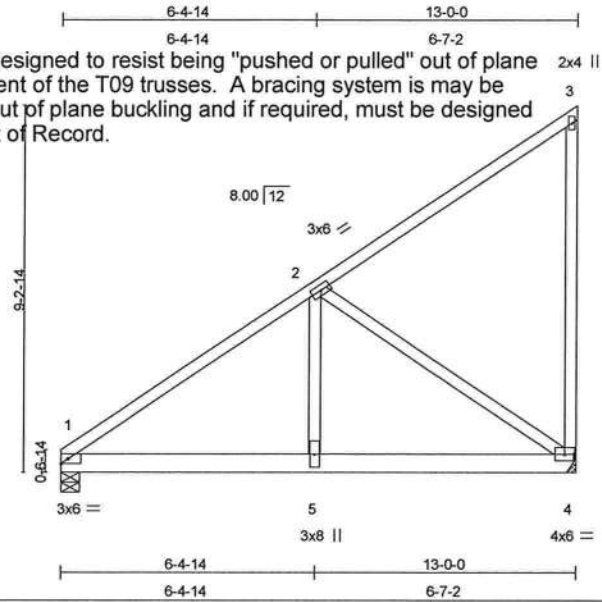
December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919393
L263148	EJ13A	MONO TRUSS	2	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:04 2007 Page 1

WARNING: This truss has not been designed to resist being "pushed or pulled" out of plane by the horizontal movement of the T09 trusses. A bracing system is may be required to prevent this out of plane buckling and if required, must be designed by the Engineer/Architect of Record.

Scale = 1:54.7



Simpson HGUS28-2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.06	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.11	4-5	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
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 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2374/0-5-8, 4=2374/Mechanical
Max Horz 1=280(load case 5)
Max Uplift 1=-595(load case 5), 4=-789(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2587/596, 2-3=-149/44, 3-4=-135/99
BOT CHORD 1-5=-689/2056, 4-5=-689/2056
WEBS 2-5=-665/2450, 2-4=-2452/817

JOINT STRESS INDEX
1 = 0.70, 2 = 0.91, 3 = 0.65, 4 = 0.33 and 5 = 0.39

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919393
L263148	EJ13A	MONO TRUSS	2	2	Job Reference (optional)

NOTES

4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 595 lb uplift at joint 1 and 789 lb uplift at joint 4.

LOAD CASE(S) Standard

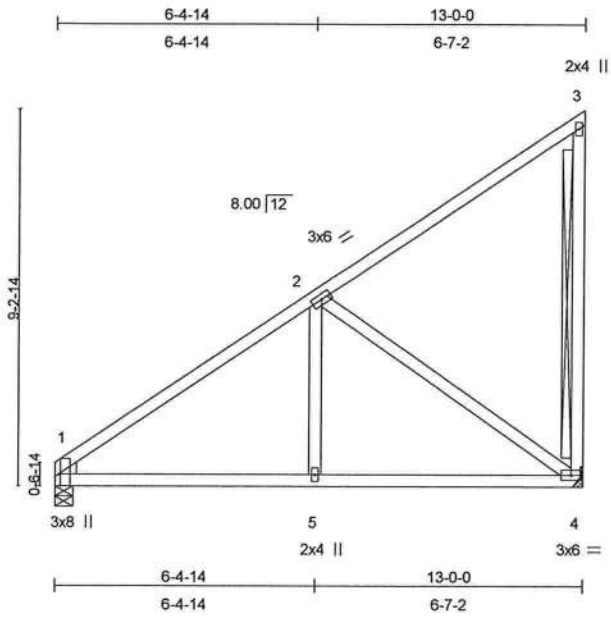
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 1-4=-322(F=-312)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919394
L263148	EJ13B	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 19 16:21:18 2007 Page 1



Scale = 1:53.4

Simpson HTU26

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.05	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.08	4-5	>999	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 74 lb	

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

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

REACTIONS (lb/size) 4=404/Mechanical, 1=404/0-5-8
Max Horz 1=283(load case 6)
Max Uplift 4=-211(load case 6), 1=-13(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-515/3, 2-3=-118/56
BOT CHORD 1-5=-300/350, 4-5=-300/350
WEBS 2-5=0/232, 2-4=-428/367, 3-4=-135/143

JOINT STRESS INDEX
1 = 0.48, 1 = 0.00, 2 = 0.20, 3 = 0.07, 4 = 0.17 and 5 = 0.17

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919394
L263148	EJ13B	MONO TRUSS	3	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 4 and 13 lb uplift at joint 1.

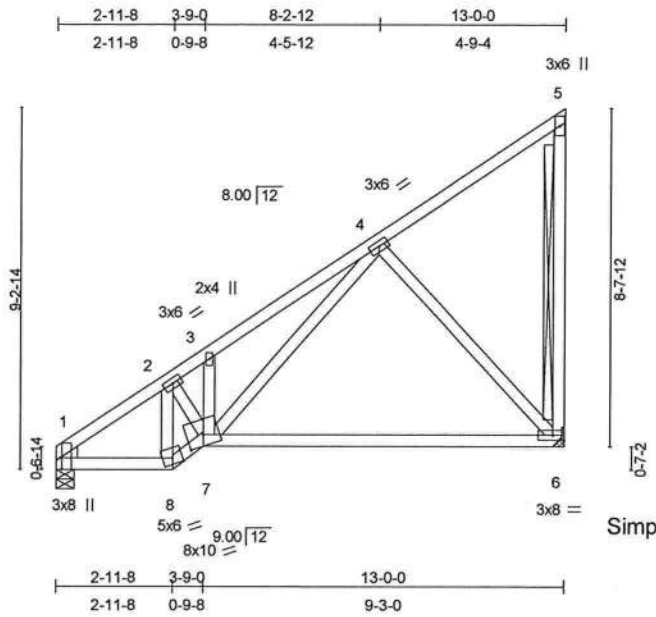
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919395
L263148	EJ13C	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 19 16:22:03 2007 Page 1



Simpson HTU26

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.13	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.23	6-7	>659	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.29	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 lb	

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

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

REACTIONS (lb/size) 6=404/Mechanical, 1=404/0-5-8
Max Horz 1=283(load case 6)
Max Uplift 6=-211(load case 6), 1=-13(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-564/60, 2-3=-616/146, 3-4=-666/255, 4-5=-91/47, 5-6=-103/110
BOT CHORD 1-8=-391/402, 7-8=-408/482, 6-7=-225/243
WEBS 2-8=-336/148, 2-7=-62/294, 3-7=-148/159, 4-7=-299/431, 4-6=-346/331

JOINT STRESS INDEX
1 = 0.32, 1 = 0.00, 2 = 0.23, 3 = 0.08, 4 = 0.29, 5 = 0.15, 6 = 0.34, 7 = 0.47 and 8 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE# No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	0 0 J1919395
L263148	EJ13C	SPECIAL	1	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 6 and 13 lb uplift at joint 1.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919396
L263148	EJ13D	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:48:58 2007 Page 1

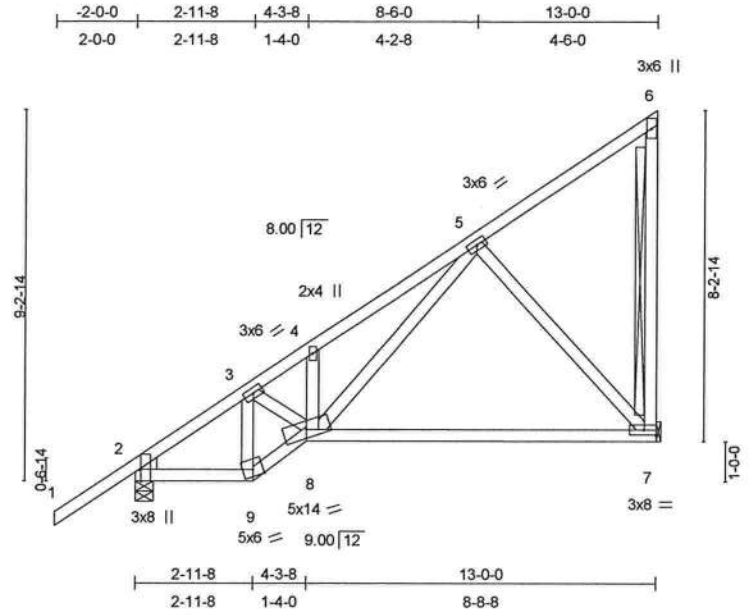


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.11	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.19	7-8	>788	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 86 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-7
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 7=393/Mechanical, 2=535/0-5-8
Max Horz 2=338(load case 6)
Max Uplift 7=-200(load case 6), 2=-117(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-494/0, 3-4=-619/132, 4-5=-662/247, 5-6=-86/44, 6-7=-97/104
BOT CHORD 2-9=-296/333, 8-9=-329/408, 7-8=-213/237
WEBS 3-9=-263/210, 3-8=-142/235, 4-8=-157/174, 5-8=-292/444, 5-7=-341/317

JOINT STRESS INDEX
2 = 0.40, 2 = 0.00, 3 = 0.16, 4 = 0.09, 5 = 0.30, 6 = 0.14, 7 = 0.31, 8 = 0.91 and 9 = 0.18

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Crandall Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919396
L263148	EJ13D	SPECIAL	1	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 7 and 117 lb uplift at joint 2.

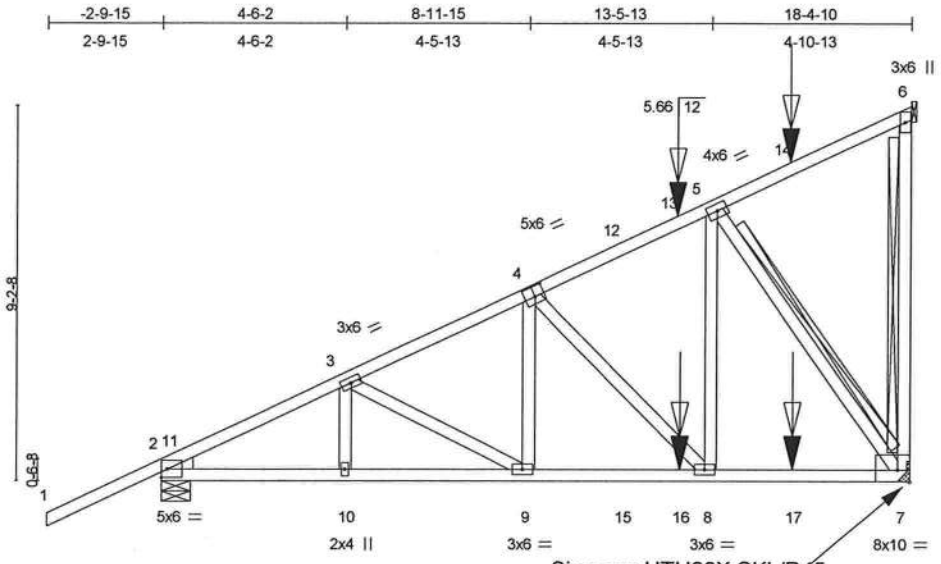
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Ray Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919397
L263148	HJ18	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:22:49 2007 Page 1



Simpson HTU28X SKL/R45
w/ (26) 16d common wire nails in the supporting member
w/ (20) 10d1.5 common wire nails into the supported member
Supporting member: (2) ply and (3) ply 2x8 SYP

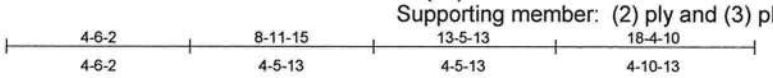


Plate Offsets (X,Y): [4:0-3-0,0-3-0], [7:Edge,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	0.17	7-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.18	7-8	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.85	Horz(TL)	-0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 122 lb	

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

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

REACTIONS (lb/size) 7=1512/Mechanical, 2=1127/0-8-8, 6=167/Mechanical
Max Horz 2=478(load case 5)
Max Uplift 7=-1438(load case 5), 2=-930(load case 5), 6=-148(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-11=0/50, 2-11=0/50, 2-3=-1774/1345, 3-4=-1654/1253, 4-12=-1206/911, 12-13=-1075/848, 5-13=-950/781, 5-14=-141/18, 6-14=-73/60
BOT CHORD 2-10=-1496/1516, 9-10=-1496/1516, 9-15=-1374/1432, 15-16=-1374/1432, 8-16=-1374/1432, 8-17=-934/990, 7-17=-934/990
WEBS 6-7=0/0, 3-10=-80/120, 3-9=-105/148, 4-9=-197/211, 4-8=-632/630, 5-8=-1118/1144, 5-7=-1692/1596

JOINT STRESS INDEX
2 = 0.73, 2 = 0.00, 3 = 0.40, 4 = 0.59, 5 = 0.71, 6 = 0.15, 7 = 0.25, 8 = 0.75, 9 = 0.35 and 10 = 0.34

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919397
L263148	HJ18	MONO TRUSS	3	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1438 lb uplift at joint 7, 930 lb uplift at joint 2 and 148 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

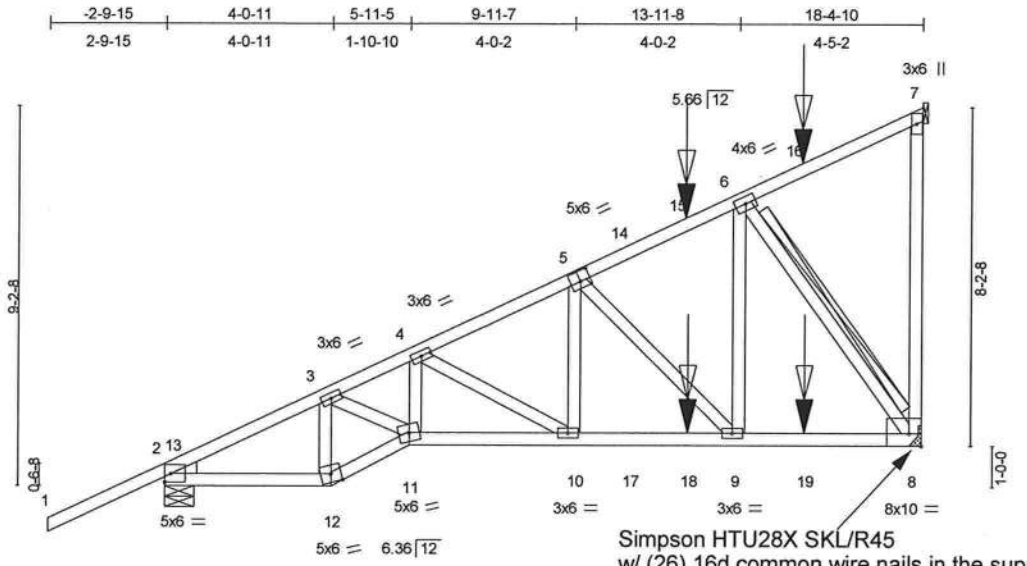
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-11=-54, 6-12=-54, 7-15=-10
   Concentrated Loads (lb)
   Vert: 13=-200(F=-100, B=-100) 14=-240(F=-120, B=-120) 16=-326(F=-163, B=-163) 17=-420(F=-210, B=-210)
   Trapezoidal Loads (plf)
   Vert: 11=0(F=27, B=27)-to-12=-153(F=-49, B=-49), 2=-1(F=5, B=5)-to-15=-28(F=-9, B=-9)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919398
L263148	HJ18A	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:30:32 2007 Page 1



Simpson HTU28X SKL/R45
w/ (26) 16d common wire nails in the supporting member
w/ (20) 10d1.5 common wire nails into the supported member
Supporting member: (2) ply 2x8 SYP

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.15	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.15	10-11	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.72	Horz(TL)	-0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 122 lb	

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

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

REACTIONS (lb/size) 8=1525/Mechanical, 2=1131/0-8-8, 7=173/Mechanical
Max Horz 2=503(load case 5)
Max Uplift 8=-1450(load case 5), 2=-933(load case 5), 7=-154(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-13=0/50, 2-13=0/50, 2-3=-1719/1295, 3-4=-2560/2162, 4-5=-1963/1581, 5-14=-1264/988, 14-15=-1162/953, 6-15=-1046/881, 6-16=-168/53, 7-16=-54/51, 7-8=0/0
BOT CHORD 2-12=-1461/1448, 11-12=-1587/1586, 10-11=-2238/2294, 10-17=-1622/1696, 17-18=-1622/1696, 9-18=-1622/1696, 9-19=-991/1051, 8-19=-991/1051
WEBS 3-12=-765/751, 3-11=-993/1040, 4-11=-349/305, 4-10=-670/690, 5-10=-506/472, 5-9=-917/897, 6-9=-1218/1255, 6-8=-1731/1632

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.67, 2 = 0.00, 3 = 0.60, 4 = 0.40, 5 = 0.53, 6 = 0.72, 7 = 0.42, 8 = 0.30, 9 = 0.82, 10 = 0.35, 11 = 0.73 and 12 = 0.42

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919398
L263148	HJ18A	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1450 lb uplift at joint 8, 933 lb uplift at joint 2 and 154 lb uplift at joint 7.
5) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

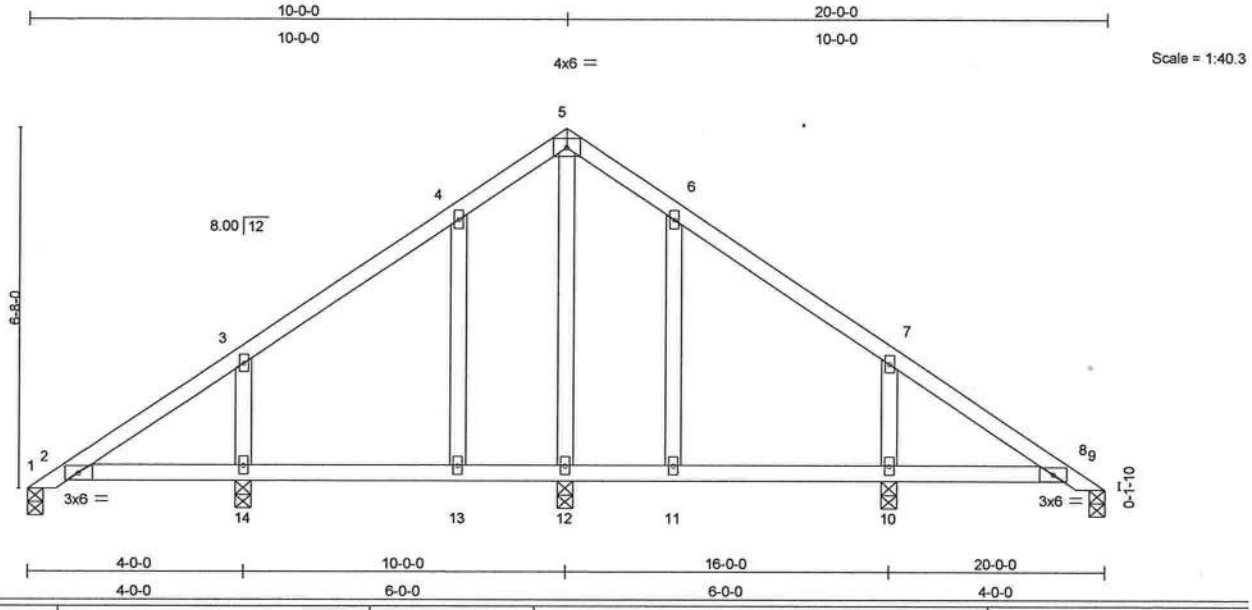
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-13=-54, 7-14=-54, 8-17=-10
   Concentrated Loads (lb)
   Vert: 15=-206(F=-103, B=-103) 16=-282(F=-141, B=-141) 18=-332(F=-166, B=-166) 19=-390(F=-195, B=-195)
   Trapezoidal Loads (plf)
   Vert: 13=-0(F=27, B=27)-to-14=-153(F=-49, B=-49), 2=-1(F=5, B=5)-to-12=-10(F=-0, B=-0), 12=-10(F=-0, B=-0)-to-11=-15(F=-2, B=-2), 11=-15(F=-2, B=-2)-to-17=-28(F=-9, B=-9)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919399
L263148	PB1	GABLE	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:09 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.03	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.04	10-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 92 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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=74/0-3-8, 9=74/0-3-8, 12=422/0-3-8, 14=346/0-3-8, 10=346/0-3-8
Max Horz 1=-182(load case 4)
Max Uplift 1=-62(load case 4), 12=-29(load case 6), 14=-175(load case 6), 10=-170(load case 7)
Max Grav 1=85(load case 5), 9=74(load case 1), 12=422(load case 1), 14=366(load case 10), 10=366(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-199/192, 2-3=-164/138, 3-4=-70/118, 4-5=-13/164, 5-6=0/164, 6-7=-64/91, 7-8=-74/85, 8-9=-37/6
BOT CHORD	2-14=-21/110, 13-14=-21/110, 12-13=-21/110, 11-12=-21/110, 10-11=-21/110, 8-10=-21/110
WEBS	5-12=-219/1, 3-14=-261/237, 4-13=-92/112, 6-11=-92/112, 7-10=-261/237

Julius Lee
Truss Design Engineer
Florida PE No. 34857
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.24, 3 = 0.33, 4 = 0.33, 5 = 0.39, 6 = 0.33, 7 = 0.33, 8 = 0.24, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

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

Continued on page 2

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919399
L263148	PB1	GABLE	3	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 4-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 1, 9 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 62 lb uplift at joint 1, 29 lb uplift at joint 12, 175 lb uplift at joint 14 and 170 lb uplift at joint 10.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919400
L263148	PB1A	GABLE	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:10 2007 Page 1

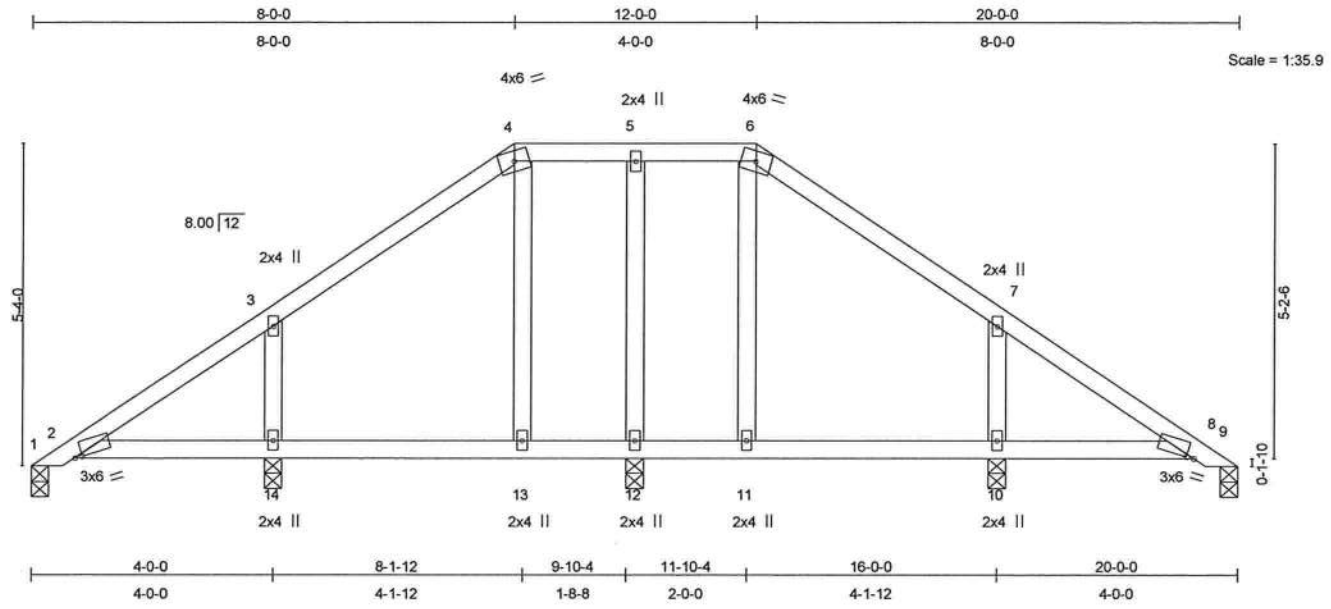


Plate Offsets (X,Y): [2:0-1-8,0-0-1], [8:0-1-8,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.02	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.03	10-11	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 89 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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=148/0-3-8, 9=148/0-3-8, 14=342/0-3-8, 10=342/0-3-8, 12=283/0-3-8
Max Horz 1=-146(load case 4)
Max Uplift 1=-41(load case 4), 9=-7(load case 6), 14=-154(load case 6), 10=-145(load case 7), 12=-72(load case 5)
Max Grav 1=148(load case 1), 9=148(load case 1), 14=354(load case 10), 10=354(load case 11), 12=283(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-151/150, 2-3=-152/103, 3-4=-202/146, 4-5=-108/168, 5-6=-108/168, 6-7=-202/146, 7-8=-152/45, 8-9=-76/24
BOT CHORD	2-14=-31/109, 13-14=-31/109, 12-13=-30/108, 11-12=-30/108, 10-11=-30/109, 8-10=-30/109
WEBS	4-13=-57/57, 6-11=-57/49, 3-14=-255/224, 7-10=-255/224, 5-12=-147/62

Julius Lee
Truss Design Engineer
Fla#36 PE No. 34868
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.44, 3 = 0.33, 4 = 0.28, 5 = 0.33, 6 = 0.28, 7 = 0.33, 8 = 0.44, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

NOTES

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

Continued on page 2

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919400
L263148	PB1A	GABLE	2	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Gable studs spaced at 4-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 1, 9 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 41 lb uplift at joint 1, 7 lb uplift at joint 9, 154 lb uplift at joint 14, 145 lb uplift at joint 10 and 72 lb uplift at joint 12.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd.
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919401
L263148	PB1B	GABLE	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:11 2007 Page 1

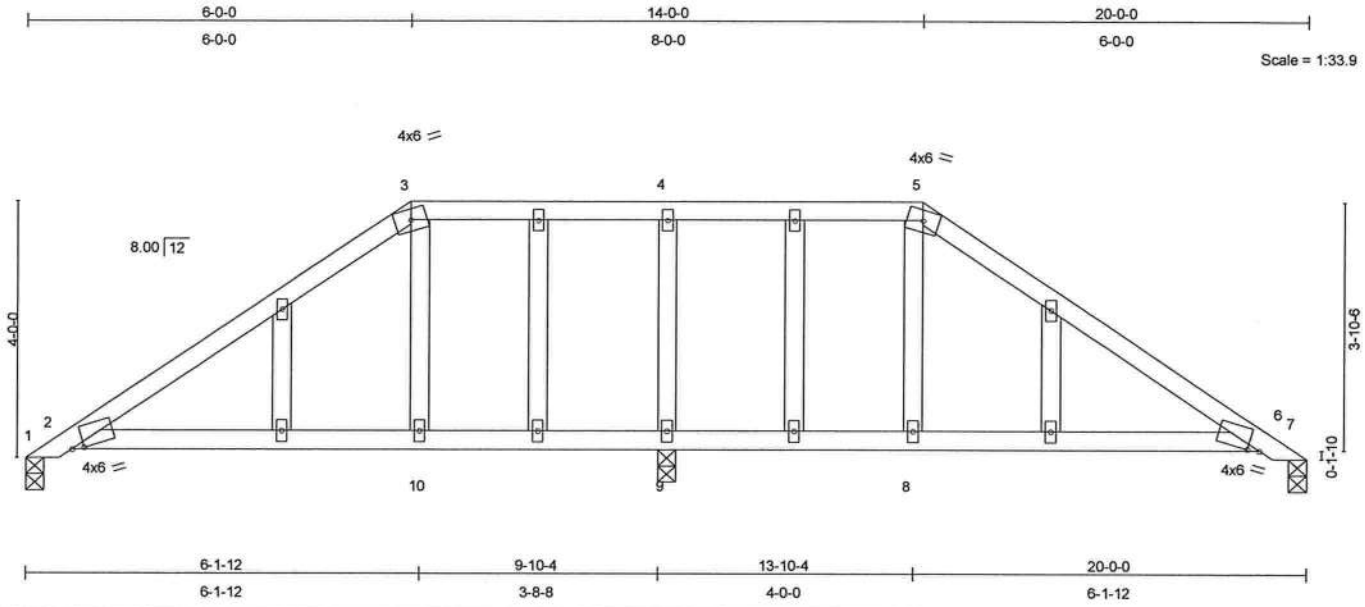


Plate Offsets (X,Y): [2:0-2-4,0-0-5], [6:0-2-4,0-0-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.22	2-10	>547	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.31	2-10	>387	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 91 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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=488/0-3-8, 9=288/0-3-8, 7=488/0-3-8
Max Horz 1=109(load case 5)
Max Uplift 1=-105(load case 6), 9=-114(load case 5), 7=-107(load case 7)
Max Grav 1=488(load case 1), 9=296(load case 10), 7=488(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-254/129, 2-3=-684/341, 3-4=-534/357, 4-5=-534/357, 5-6=-684/341, 6-7=-254/129
BOT CHORD	2-10=-187/530, 9-10=-186/533, 8-9=-186/533, 6-8=-187/530
WEBS	3-10=0/160, 5-8=-1/160, 4-9=-233/131

JOINT STRESS INDEX

2 = 0.91, 3 = 0.47, 4 = 0.33, 5 = 0.47, 6 = 0.91, 8 = 0.33, 9 = 0.33, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33 and 18 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919401
L263148	PB1B	GABLE	2	1	Job Reference (optional)

NOTES

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 4-0-0 oc.
8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
9) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 1, 114 lb uplift at joint 9 and 107 lb uplift at joint 7.
11) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

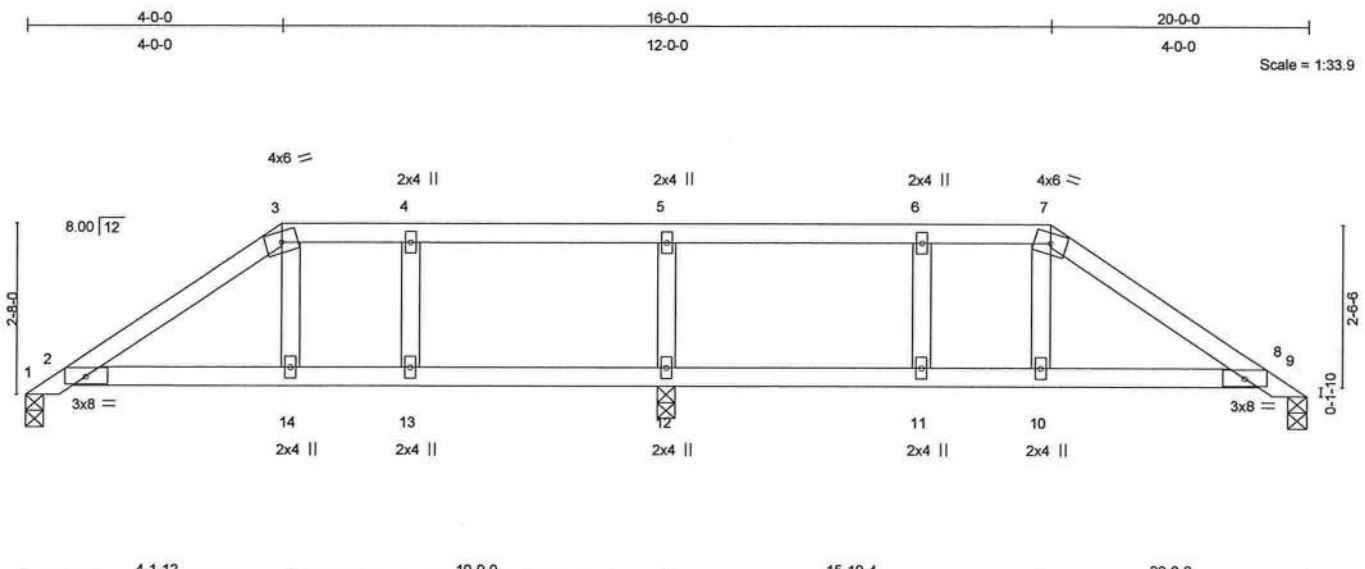
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919402
L263148	PB1C	GABLE	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:12 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.11	13-14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.14	13-14	>821	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 74 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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=418/0-3-8, 9=418/0-3-8, 12=428/0-3-8
Max Horz 1=72(load case 5)
Max Uplift 1=-92(load case 5), 9=-93(load case 4), 12=-158(load case 5)
Max Grav 1=418(load case 1), 9=418(load case 1), 12=430(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-217/110, 2-3=-686/335, 3-4=-566/333, 4-5=-565/333, 5-6=-565/333, 6-7=-566/333, 7-8=-686/335, 8-9=-217/110
BOT CHORD	2-14=-217/556, 13-14=-220/565, 12-13=-220/565, 11-12=-220/565, 10-11=-220/565, 8-10=-217/556
WEBS	3-14=-46/158, 7-10=-48/158, 5-12=-309/205, 4-13=-80/67, 6-11=-80/67

JOINT STRESS INDEX

2 = 0.67, 3 = 0.31, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.31, 8 = 0.67, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919402
L263148	PB1C	GABLE	2	1	Job Reference (optional)

NOTES

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Gable studs spaced at 4-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 1, 9 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 92 lb uplift at joint 1, 93 lb uplift at joint 9 and 158 lb uplift at joint 12.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

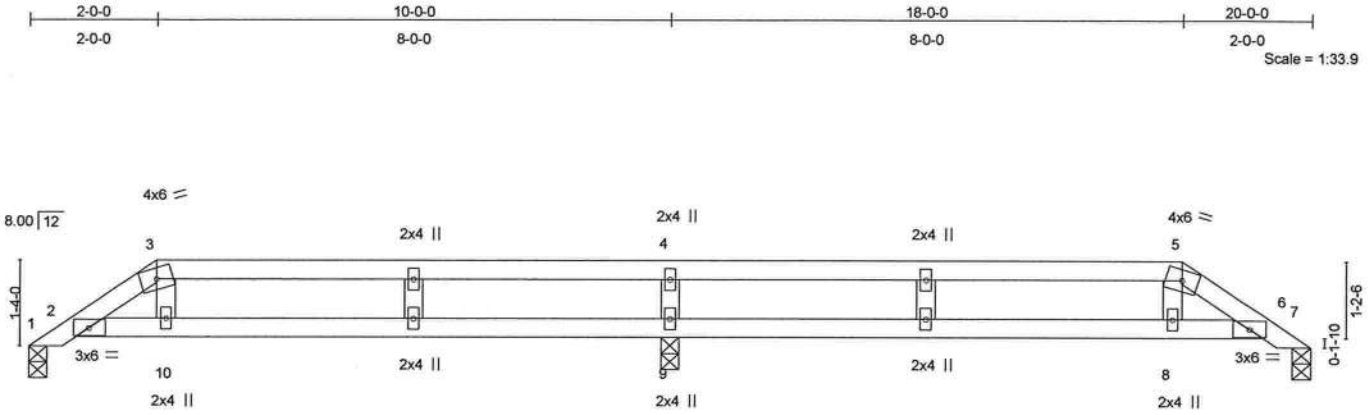
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919403
L263148	PB1D	GABLE	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:13 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.06	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.12	9-10	>951	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 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 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=341/0-3-8, 7=341/0-3-8, 9=582/0-3-8
Max Horz 1=35(load case 5)
Max Uplift 1=-99(load case 5), 7=-100(load case 4), 9=-212(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-177/92, 2-3=-800/377, 3-4=-766/400, 4-5=-766/400, 5-6=-800/377, 6-7=-177/92
BOT CHORD	2-10=-358/757, 9-10=-346/765, 8-9=-346/765, 6-8=-358/757
WEBS	3-10=0/241, 5-8=0/241, 4-9=-472/334

JOINT STRESS INDEX

2 = 0.55, 3 = 0.62, 4 = 0.33, 5 = 0.62, 6 = 0.55, 8 = 0.33, 9 = 0.33, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.33 and 14 = 0.33

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.

Continued on page 2

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1499 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919403
L263148	PB1D	GABLE	2	1	Job Reference (optional)

NOTES

5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Gable studs spaced at 4-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 1, 7 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 99 lb uplift at joint 1, 100 lb uplift at joint 7 and 212 lb uplift at joint 9.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0
L263148	T01	SPECIAL	1	2	J1919404 Job Reference (optional)

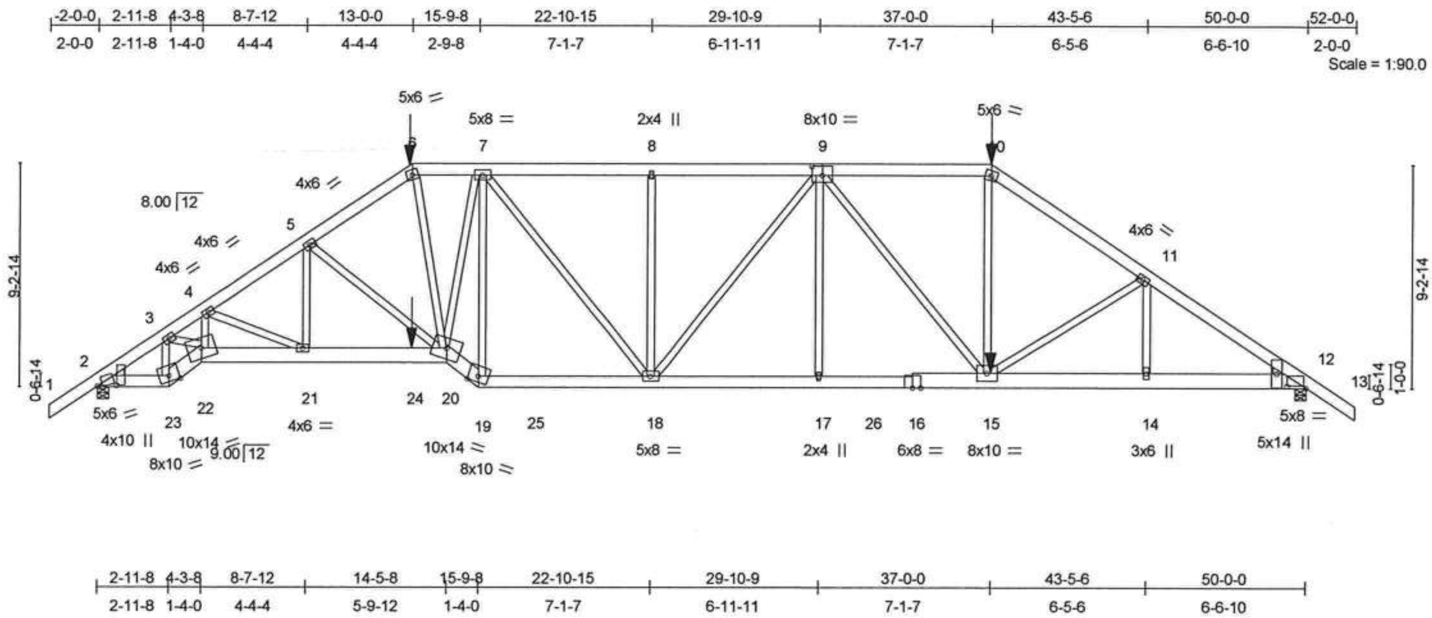


Plate Offsets (X,Y): [2:0-2-8,0-0-14], [2:0-0-8,0-9-6], [9:0-5-0,0-4-8], [12:0-9-4,0-1-0]

LOADING (psf)		SPACING		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	0.23	20-21	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.40	20-21	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.21	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 901 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 8 SYP No.1D *Except*
2-23 2 X 6 SYP No.1D, 16-19 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=4315/0-5-8, 12=4294/0-5-8
Max Horz 2=-335(load case 3)
Max Uplift 2=-1763(load case 4), 12=-1751(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-6974/2934, 3-4=-9806/4204, 4-5=-8532/3740, 5-6=-7077/3155, 6-7=-6503/2955, 7-8=-6244/2723, 8-9=-6244/2723, 9-10=-5649/2587, 10-11=-6812/3022, 11-12=-6988/2953, 12-13=0/62
BOT CHORD 2-23=-2400/5455, 22-23=-2627/6002, 21-22=-3539/8102, 21-24=-3115/7069, 20-24=-3115/7069, 19-20=-3125/7040, 19-25=-2712/6067, 18-25=-2713/6063, 17-18=-2650/6203, 17-26=-2650/6198, 16-26=-2650/6198, 15-16=-2649/6212, 14-15=-2332/5665, 12-14=-2332/5665
WEBS 3-23=-2863/1250, 3-22=-1456/3388, 4-22=-386/1002, 4-21=-1142/469, 5-21=-709/1569, 5-20=-1570/732, 6-20=-1582/3470, 7-20=-1368/2595, 7-19=-2916/1438, 7-18=-188/384, 8-18=-424/225, 9-18=-100/144, 9-17=-60/326, 9-15=-992/423, 10-15=-1424/3135, 11-15=-236/148, 11-14=-87/135

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.90, 2 = 0.50, 3 = 0.61, 4 = 0.32, 5 = 0.44, 6 = 0.92, 7 = 0.75, 8 = 0.34, 9 = 0.26, 10 = 0.79, 11 = 0.32, 12 = 0.69, 12 = 0.25, 14 = 0.16, 15 = 0.29, 16 = 0.63, 17 = 0.34, 18 = 0.28, 19 = 0.68, 20 = 0.53, 21 = 0.36, 22 = 0.89 and 23 = 0.59

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919404
L263148	T01	SPECIAL	1	2	Job Reference (optional)

NOTES

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc, 2 X 8 - 2 rows at 0-7-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1763 lb uplift at joint 2 and 1751 lb uplift at joint 12.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-6=-54, 6-10=-54, 10-13=-54, 2-23=-10, 22-23=-10, 22-24=-10, 20-24=-179(F=-169), 19-20=-179(F=-169), 19-25=-179(F=-169), 25-26=-10, 15-26=-179(F=-169), 12-15=-10
   Concentrated Loads (lb)
   Vert: 6=-173(F) 10=-173(F) 15=-1595(F) 24=-1595(F)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919405
L263148	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:15 2007 Page 1

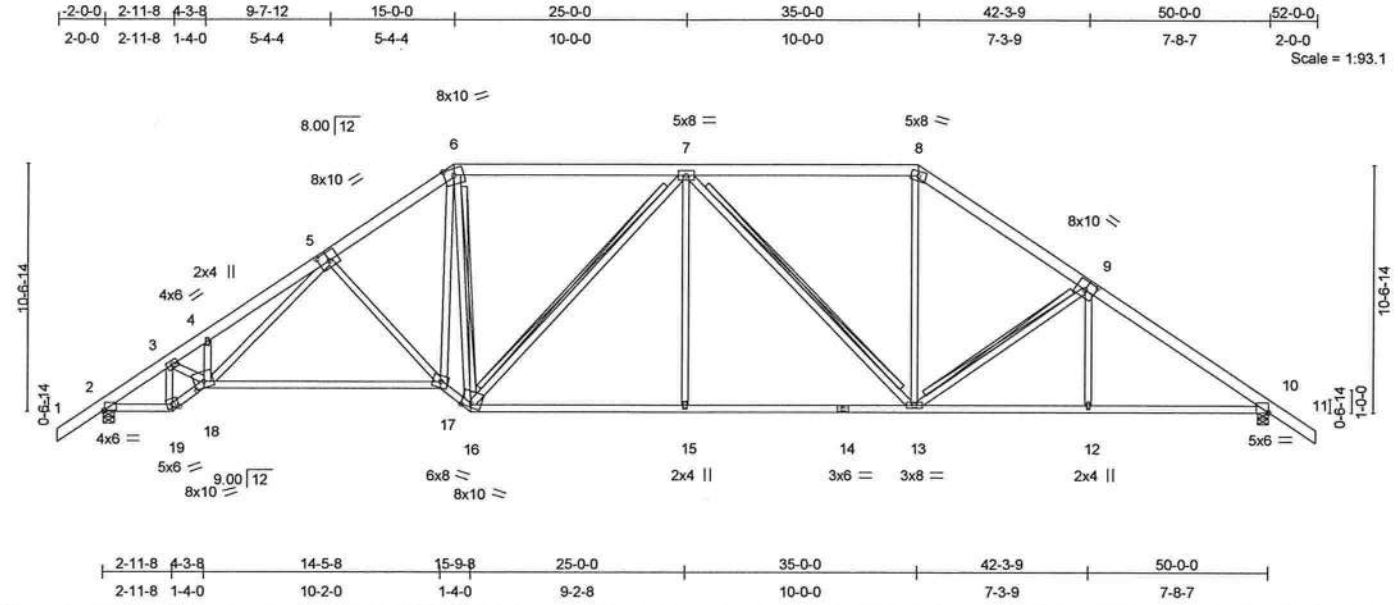


Plate Offsets (X,Y): [2:0-0-7,0-0-2], [5:0-5-0,0-4-8], [9:0-5-0,0-4-8], [10:0-0-0,0-0-4], [18:0-5-0,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.26	17-18	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.56	17-18	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.25	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 366 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
7-16 2 X 4 SYP No.2, 7-13 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-13 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 6-16, 7-16, 7-13, 9-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1706/0-5-8, 10=1706/0-5-8
Max Horz 2=-281(load case 4)
Max Uplift 2=-378(load case 6), 10=-378(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/56, 2-3=-2385/1079, 3-4=-3406/1488, 4-5=-3438/1628, 5-6=-2247/1189, 6-7=-1689/1030, 7-8=-1650/1019, 8-9=-2072/1105, 9-10=-2465/1145, 10-11=0/56
BOT CHORD 2-19=-678/1803, 18-19=-760/2098, 17-18=-777/2139, 16-17=-624/2125, 15-16=-657/1967, 14-15=-656/1966, 13-14=-656/1966, 12-13=-726/1921, 10-12=-726/1921
WEBS 3-19=-1188/414, 3-18=-494/1311, 4-18=-167/210, 5-17=-483/344, 6-17=-559/1609, 6-16=-830/317, 7-16=-537/299, 7-15=0/274, 7-13=-590/309, 8-13=-281/630, 9-13=-351/287, 9-12=0/214, 5-18=-425/1011

Julius Lee
Truss Design Engineer
Florida PE No. 31893
1408 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919405
L263148	T02	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.79, 3 = 0.54, 4 = 0.33, 5 = 0.26, 6 = 0.38, 7 = 0.27, 8 = 0.63, 9 = 0.28, 10 = 0.74, 12 = 0.33, 13 = 0.56, 14 = 0.70, 15 = 0.33, 16 = 0.72, 17 = 0.67, 18 = 0.61 and 19 = 0.56

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 2 and 378 lb uplift at joint 10.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919406
L263148	T03	HIP	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Dec 19 16:26:00 2007 Page 1

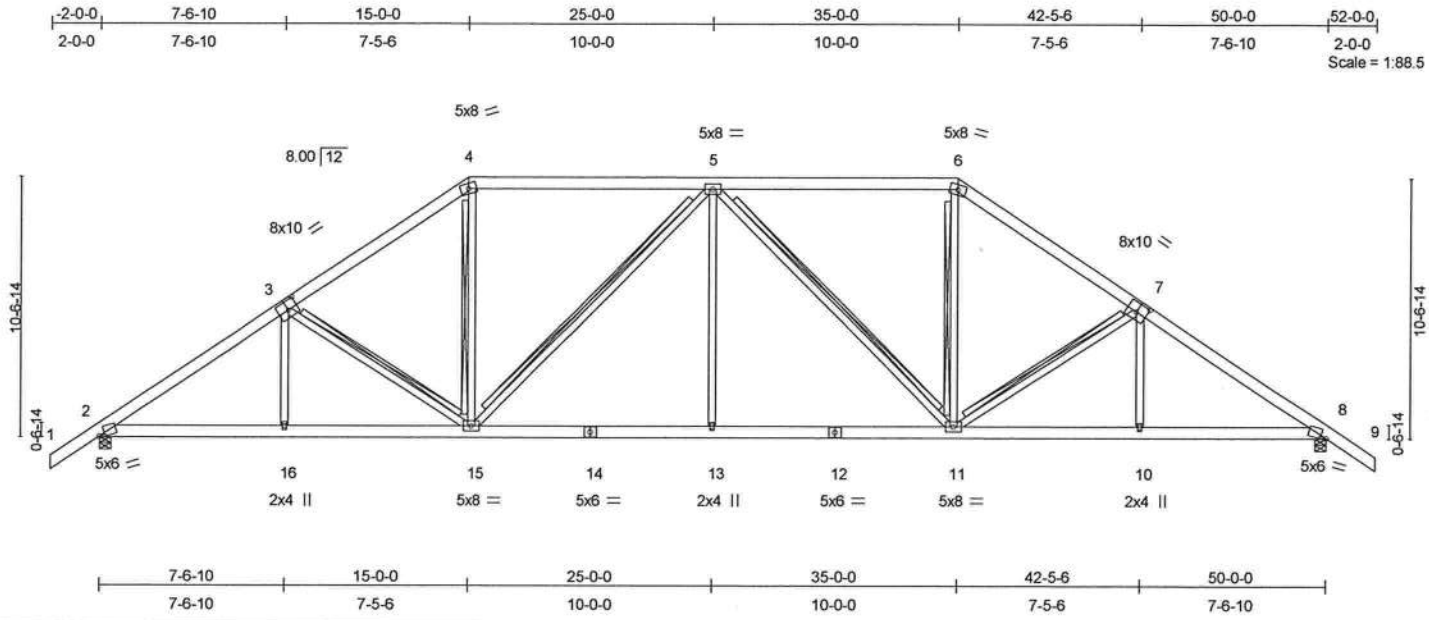


Plate Offsets (X,Y): [2:0-2-12,0-0-14], [3:0-5-0,0-4-8], [7:0-5-0,0-4-8], [8:0-2-12,0-0-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.25	11-13	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.45	11-13	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.14	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 384 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
5-15 2 X 4 SYP No.2, 5-11 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-10 oc purlins, except
2-0-0 oc purlins (5-0-12 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-15, 4-15, 6-11, 7-11
2 X 6 SYP No.1D - 5-15, 5-11
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=2297/0-5-8, 8=2297/0-5-8
Max Horz 2=-278(load case 4)
Max Uplift 2=-561(load case 5), 8=-561(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-3502/1673, 3-4=-3164/1659, 4-5=-2567/1487, 5-6=-2567/1487, 6-7=-3164/1659, 7-8=-3502/1673, 8-9=0/59
BOT CHORD 2-16=-1162/2781, 15-16=-1162/2781, 14-15=-1281/3194, 13-14=-1281/3194, 12-13=-1281/3194, 11-12=-1281/3194, 10-11=-1162/2781, 8-10=-1162/2781
WEBS 3-16=0/179, 3-15=-286/251, 4-15=-577/1207, 5-15=-1036/473, 5-13=-271/753, 5-11=-1036/472, 6-11=-577/1207, 7-11=-286/251, 7-10=0/179

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.94, 3 = 0.35, 4 = 0.72, 5 = 0.28, 6 = 0.72, 7 = 0.35, 8 = 0.94, 10 = 0.34, 11 = 0.36, 12 = 0.91, 13 = 0.55, 14 = 0.91, 15 = 0.36, 16 = 0.34

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919406
L263148	T03	HIP	8	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 561 lb uplift at joint 2 and 561 lb uplift at joint 8.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-6=-54, 6-9=-54, 2-15=-10, 11-15=-70(F=-60), 8-11=-10

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919407
L263148	T04	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:36:48 2007 Page 1

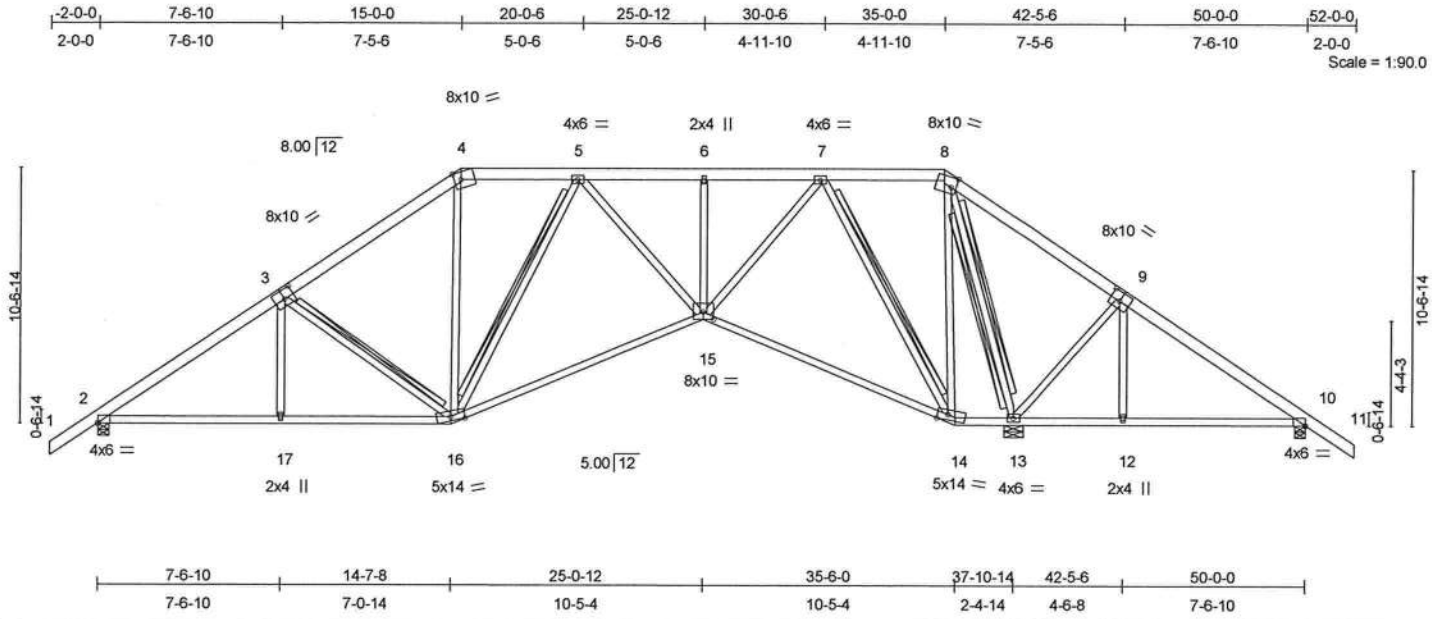


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [3:0-5-0,0-4-8], [4:0-3-6,Edge], [8:0-2-4,0-5-0], [9:0-5-0,0-4-8], [10:0-0-0,0-0-4], [14:0-5-4,Edge], [15:0-5-0,0-3-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.19	15-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.38	15-16	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.11	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 364 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except
2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS I-Brace: 2 X 4 SYP No.3 - 8-13
T-Brace: 2 X 4 SYP No.3 - 3-16, 5-16, 7-14
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1188/0-5-8, 10=63/0-5-8, 13=2160/0-9-4
Max Horz 2=-281(load case 4)
Max Uplift 2=-314(load case 6), 10=-369(load case 7), 13=-617(load case 5)
Max Grav 2=1190(load case 10), 10=137(load case 11), 13=2160(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-1585/756, 3-4=-1188/709, 4-5=-884/675, 5-6=-1180/648, 6-7=-1180/648, 7-8=-93/208, 8-9=-282/888, 9-10=-229/658, 10-11=0/56
BOT CHORD 2-17=-449/1208, 16-17=-450/1208, 15-16=-427/1177, 14-15=-168/494, 13-14=-144/305, 12-13=-507/192, 10-12=-507/191
WEBS 3-17=0/202, 3-16=-393/317, 4-16=-132/321, 5-16=-496/199, 5-15=-17/233, 6-15=-292/214, 7-15=-385/1171, 7-14=-1310/517, 8-14=-373/1023, 8-13=-1865/699, 9-13=-423/569, 9-12=-223/196

Julius Lee
Truss Design Engineer
Florida PE No. 34160
4,199 Coastal Ray Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919407
L263148	T04	SPECIAL	1	1	Job Reference (optional)

JOINT STRESS INDEX

2 = 0.68, 3 = 0.25, 4 = 0.27, 5 = 0.34, 6 = 0.34, 7 = 0.46, 8 = 0.74, 9 = 0.36, 10 = 0.57, 12 = 0.34, 13 = 0.64, 14 = 0.58, 15 = 0.63, 16 = 0.35 and 17 = 0.34

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 314 lb uplift at joint 2, 369 lb uplift at joint 10 and 617 lb uplift at joint 13.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919408
L263148	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:37:05 2007 Page 1

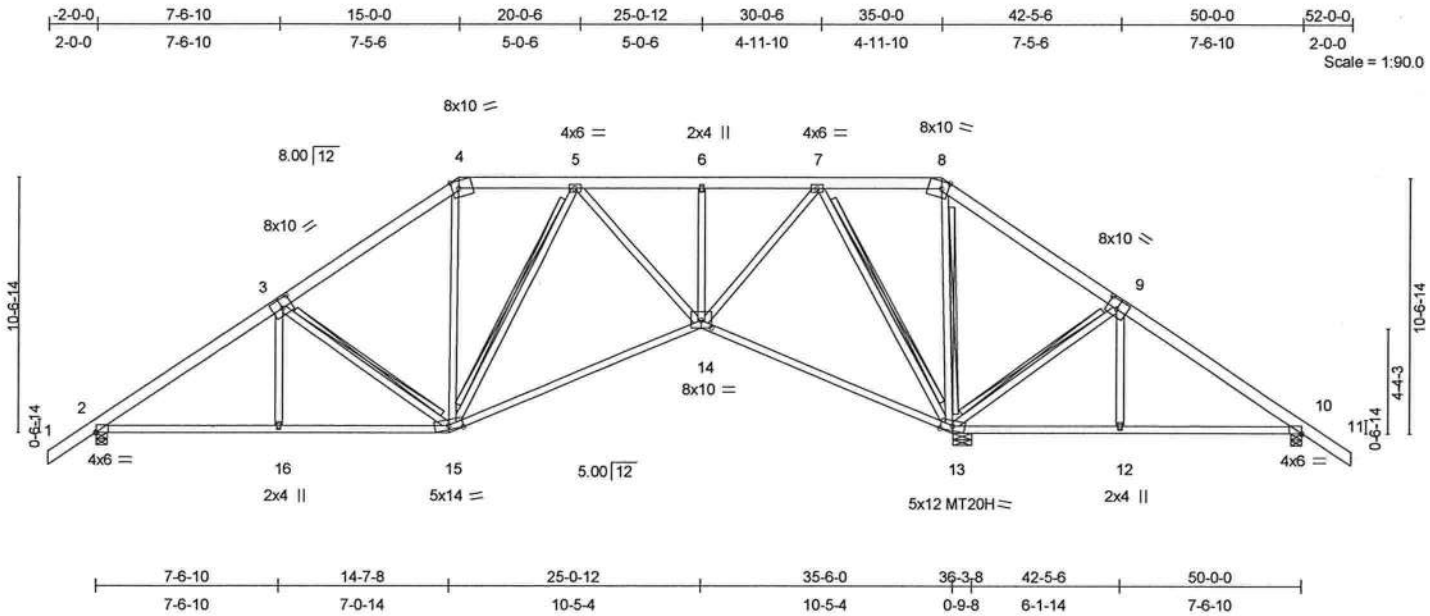


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [3:0-5-0,0-4-8], [4:0-3-6,Edge], [8:0-3-7,Edge], [9:0-5-0,0-4-8], [10:0-0-0,0-0-4], [14:0-5-0,0-3-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.19	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.36	14-15	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.07	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 352 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
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
2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-15, 5-15, 7-13, 8-13, 9-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1035/0-5-8, 13=2328/0-9-4, 10=48/0-5-8
Max Horz 2=-281(load case 4)
Max Uplift 2=-296(load case 6), 13=-741(load case 5), 10=-422(load case 7)
Max Grav 2=1047(load case 10), 13=2328(load case 1), 10=133(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-1338/647, 3-4=-938/600, 4-5=-680/586, 5-6=-571/378, 6-7=-571/378, 7-8=-251/720, 8-9=-332/1021, 9-10=-229/746, 10-11=0/56
BOT CHORD 2-16=-383/1008, 15-16=-383/1008, 14-15=-301/799, 13-14=-211/369, 12-13=-579/194, 10-12=-579/193
WEBS 3-16=0/201, 3-15=-404/320, 4-15=-75/218, 5-15=-198/148, 5-14=-252/275, 6-14=-278/209, 7-14=-339/1044, 7-13=-1235/486, 8-13=-854/330, 9-13=-460/643, 9-12=-283/200

Julius Lee
Truss Design Engineer
Florida PE No. 34857
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.68, 3 = 0.24, 4 = 0.25, 5 = 0.34, 6 = 0.34, 7 = 0.41, 8 = 0.39, 9 = 0.37, 10 = 0.58, 12 = 0.34, 13 = 0.89, 14 = 0.63, 15 = 0.31 and 16 = 0.34

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919408
L263148	T05	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 2, 741 lb uplift at joint 13 and 422 lb uplift at joint 10.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1309 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919409
L263148	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:37:22 2007 Page 1

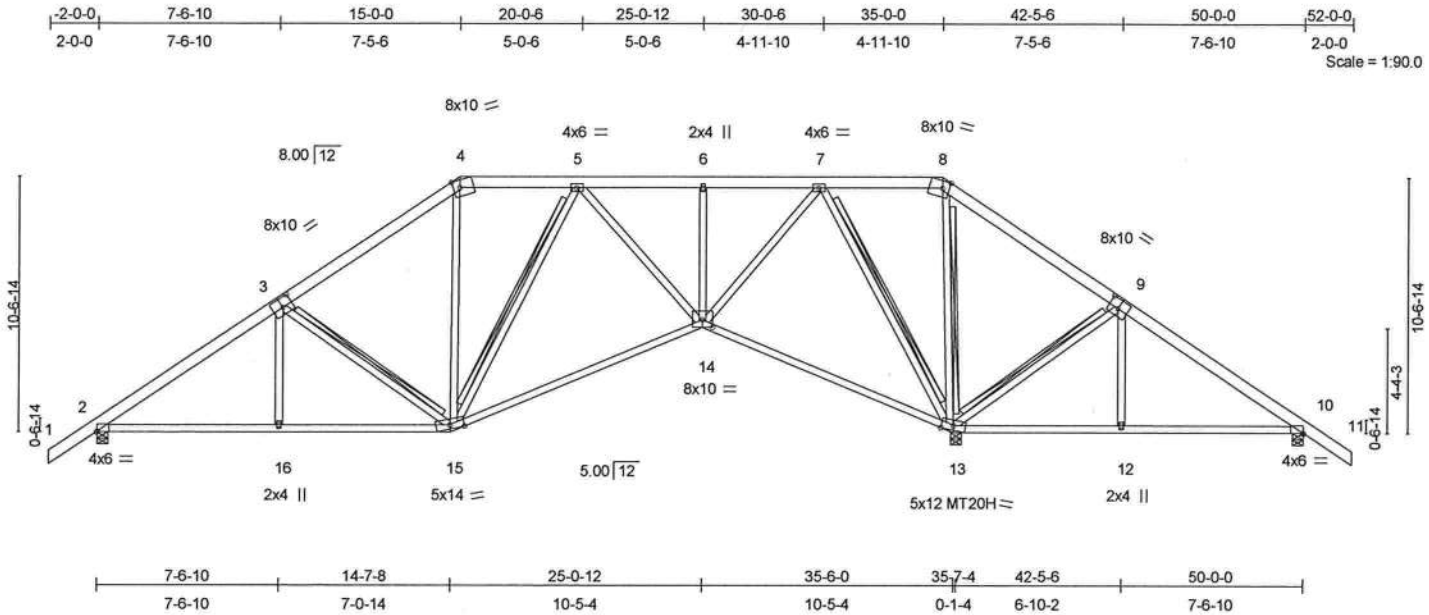


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [3:0-5-0,0-4-8], [4:0-3-6,Edge], [8:0-3-7,Edge], [9:0-5-0,0-4-8], [10:0-0-0,0-0-4], [14:0-5-0,0-3-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.19	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.36	14-15	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.07	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 352 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
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
2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-15, 5-15, 7-13, 8-13, 9-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1035/0-5-8, 13=2328/0-5-8, 10=48/0-5-8
Max Horz 2=-281(load case 4)
Max Uplift 2=-296(load case 6), 13=-741(load case 5), 10=-422(load case 7)
Max Grav 2=1047(load case 10), 13=2328(load case 1), 10=133(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-1338/647, 3-4=-938/600, 4-5=-680/586, 5-6=-571/378, 6-7=-571/378, 7-8=-251/720, 8-9=-332/1021, 9-10=-229/746, 10-11=0/56
BOT CHORD 2-16=-383/1008, 15-16=-383/1008, 14-15=-301/799, 13-14=-211/369, 12-13=-579/194, 10-12=-579/193
WEBS 3-16=0/201, 3-15=-404/320, 4-15=-75/218, 5-15=-198/148, 5-14=-252/275, 6-14=-278/209, 7-14=-339/1044, 7-13=-1235/486, 8-13=-854/330, 9-13=-460/643, 9-12=-283/200

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.68, 3 = 0.24, 4 = 0.25, 5 = 0.34, 6 = 0.34, 7 = 0.41, 8 = 0.39, 9 = 0.37, 10 = 0.58, 12 = 0.34, 13 = 0.89, 14 = 0.63, 15 = 0.31 and 16 = 0.34

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919409
L263148	T06	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 2, 741 lb uplift at joint 13 and 422 lb uplift at joint 10.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919410
L263148	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:37:49 2007 Page 1

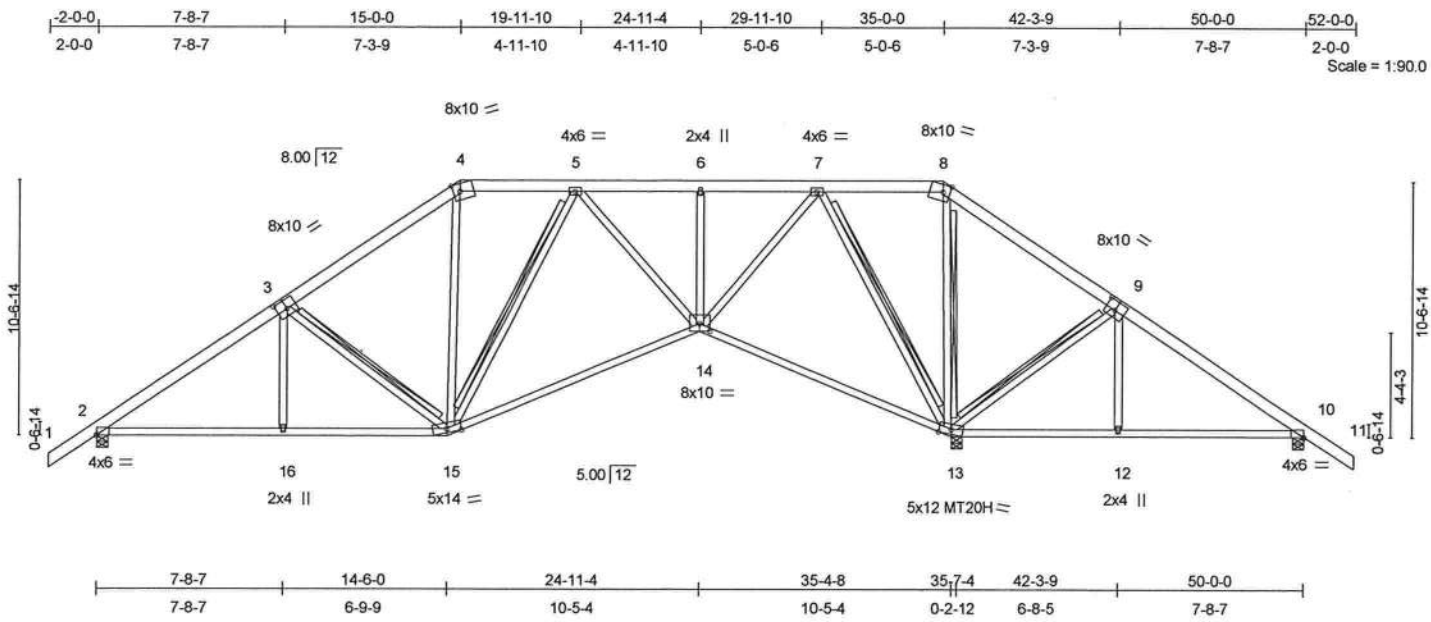


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [3:0-5-0,0-4-8], [4:0-3-6,Edge], [8:0-3-6,Edge], [9:0-5-0,0-4-8], [10:0-0-0,0-0-4], [14:0-5-0,0-3-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.19	14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.36	14-15	>999	240	MT20H	187/143
BCLL	10.0	* Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.07	13	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 352 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS T-Brace: 2 X 4 SYP No.3 - 3-15, 5-15, 7-13, 8-13, 9-13
Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c.,with 4in minimum end distance.
Brace must cover 90% of web length.

REACTIONS (lb/size) 2=1030/0-5-8, 13=2325/0-5-8, 10=56/0-5-8
Max Horz 2=-281(load case 4)
Max Uplift 2=-296(load case 6), 13=-744(load case 5), 10=-424(load case 7)
Max Grav 2=1042(load case 10), 13=2325(load case 1), 10=141(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/56, 2-3=-1326/641, 3-4=-932/601, 4-5=-674/583, 5-6=-566/374, 6-7=-566/374, 7-8=-251/724, 8-9=-329/1009, 9-10=-226/739, 10-11=0/56
BOT CHORD 2-16=-379/996, 15-16=-379/996, 14-15=-299/793, 13-14=-218/372, 12-13=-573/191, 10-12=-573/190
WEBS 3-16=0/198, 3-15=-403/321, 4-15=-84/220, 5-15=-194/145, 5-14=-253/276, 6-14=-276/207, 7-14=-338/1042, 7-13=-1232/485, 8-13=-841/320, 9-13=-460/645, 9-12=-286/202

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd.
Boynton Beach, FL 33435

JOINT STRESS INDEX
2 = 0.71, 3 = 0.24, 4 = 0.24, 5 = 0.34, 6 = 0.34, 7 = 0.40, 8 = 0.38, 9 = 0.37, 10 = 0.61, 12 = 0.34, 13 = 0.89, 14 = 0.63, 15 = 0.31 and 16 = 0.34

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919410
L263148	T07	SPECIAL	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 2, 744 lb uplift at joint 13 and 424 lb uplift at joint 10.

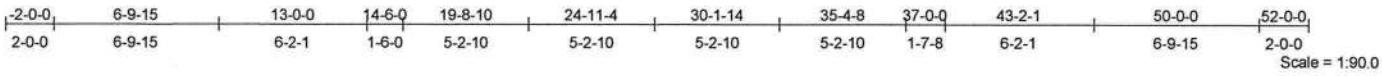
LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

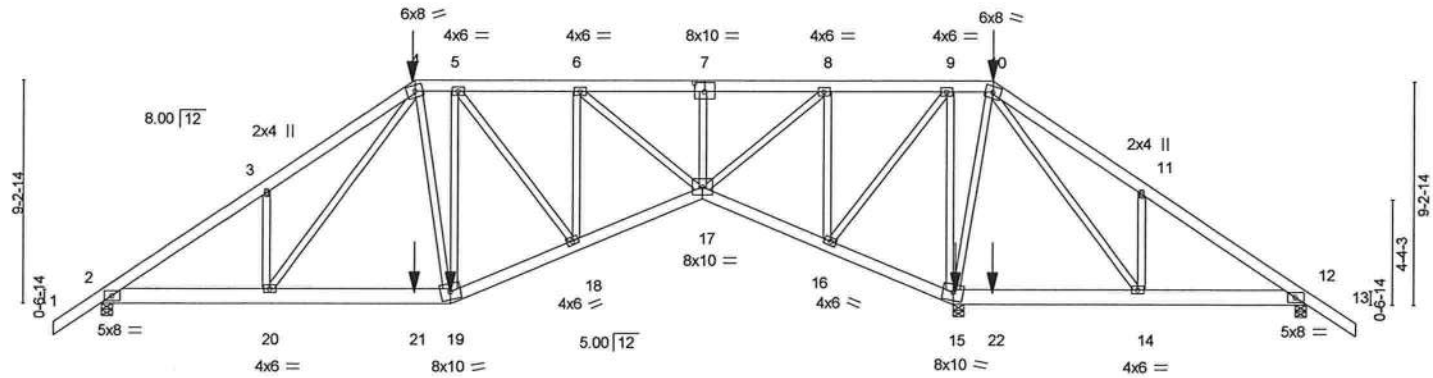
December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919411
L263148	T08	SPECIAL	1	3	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 20 12:44:47 2007 Page 1



Scale = 1:90.0



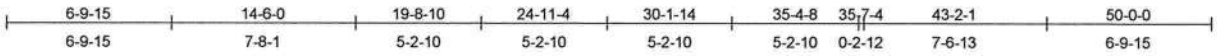


Plate Offsets (X,Y): [7:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	0.10	19-20	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.14	19-20	>999	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.43	Horz(TL)	0.05	15	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 1329 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D *Except*
2-19 2 X 8 SYP No.1D, 12-15 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 2=3209/0-5-8, 15=9989/0-5-8, 12=-970/0-5-8
Max Horz 2=240(load case 4)
Max Uplift 2=-1799(load case 4), 15=-6389(load case 4), 12=-1335(load case 9)
Max Grav 2=3215(load case 9), 15=9989(load case 1), 12=794(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-5268/3119, 3-4=-5164/3208, 4-5=-4039/2698, 5-6=-3382/2205, 6-7=-1856/1173, 7-8=-1860/1175, 8-9=-748/1235, 9-10=-1681/2801, 10-11=-1442/2389, 11-12=-1438/2405, 12-13=0/62

BOT CHORD 2-20=-2703/4239, 20-21=-2495/3776, 19-21=-2490/3767, 18-19=-2864/4302, 17-18=-2389/3690, 16-17=-1330/905, 15-16=-3090/1873, 15-22=-2401/1472, 14-22=-2390/1467, 12-14=-1964/1202

WEBS 3-20=-194/161, 4-20=-418/802, 4-19=-1306/1684, 5-19=-780/975, 5-18=-1061/793, 6-18=-677/953, 6-17=-2018/1352, 7-17=-256/137, 8-17=-2519/4014, 8-16=-2847/1763, 9-16=-1493/2523, 9-15=-2337/1401, 10-15=-2367/1348, 10-14=-799/1048, 11-14=-373/247

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

JOINT STRESS INDEX

2 = 0.35, 3 = 0.34, 4 = 0.35, 5 = 0.28, 6 = 0.25, 7 = 0.11, 8 = 0.56, 9 = 0.41, 10 = 0.34, 11 = 0.34, 12 = 0.21, 14 = 0.28, 15 = 0.78, 16 = 0.46, 17 = 0.28, 18 = 0.29, 19 = 0.28 and 20 = 0.28

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919411
L263148	T08	SPECIAL	1	3	Job Reference (optional)

NOTES

1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
   Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
   Bottom chords connected as follows: 2 X 8 - 2 rows at 0-4-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
   Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1799 lb uplift at joint 2, 6389 lb uplift at joint 15 and 1335 lb uplift at joint 12.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-10=-54, 10-13=-54, 2-21=-10, 19-21=-179(F=-169), 17-19=-10, 15-17=-10, 15-22=-179(F=-169), 12-22=-10
   Concentrated Loads (lb)
   Vert: 4=-173(F) 19=-2374(F) 15=-2374(F) 10=-173(F) 21=-1595(F) 22=-1595(F)

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1909 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919412
L263148	T09	SCISSOR	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:23 2007 Page 1

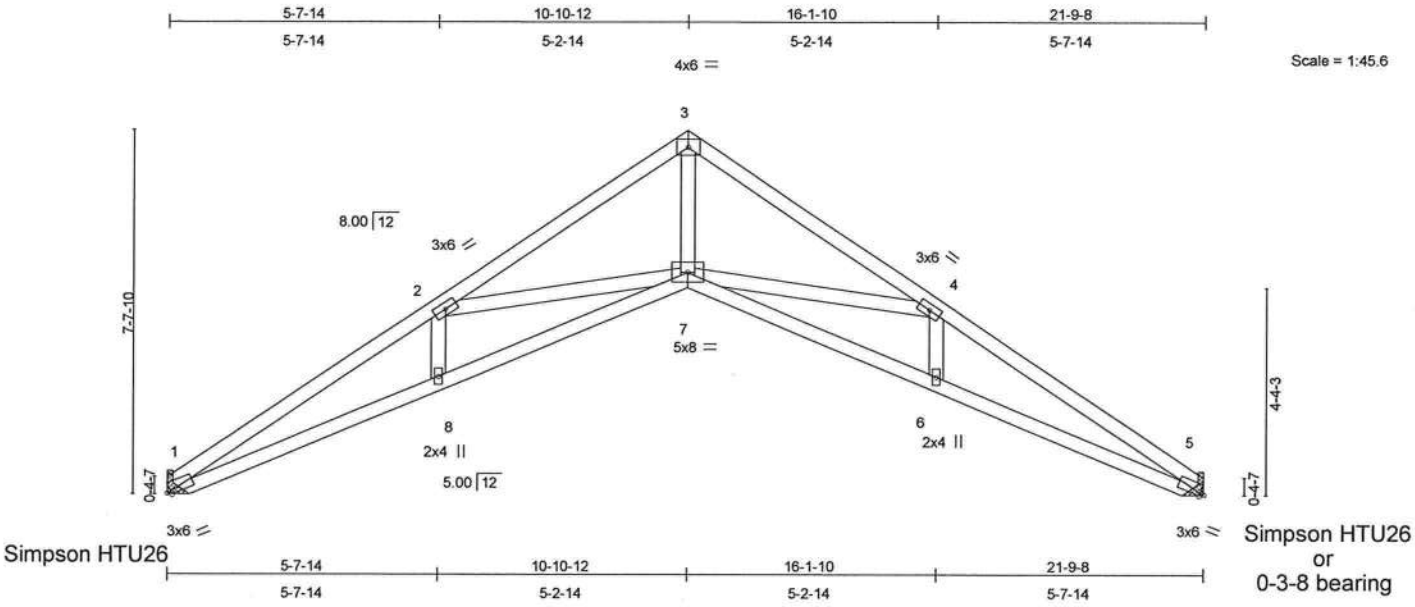


Plate Offsets (X,Y): [1:0-0-15,Edge], [5:0-0-15,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.17	7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.33	6-7	>787	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.35	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-12 oc bracing.

REACTIONS (lb/size) 1=683/Mechanical, 5=683/Simpson HTU26 or 0-3-8 bearing
Max Horz 1=-205(load case 4)
Max Uplift 1=-142(load case 6), 5=-142(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2225/892, 2-3=-1617/541, 3-4=-1617/541, 4-5=-2225/892
BOT CHORD 1-8=-695/1898, 7-8=-691/1898, 6-7=-691/1898, 5-6=-695/1898
WEBS 2-8=0/164, 2-7=-527/441, 3-7=-406/1417, 4-7=-527/441, 4-6=0/164

JOINT STRESS INDEX
1 = 0.68, 2 = 0.41, 3 = 0.73, 4 = 0.41, 5 = 0.68, 6 = 0.33, 7 = 0.76 and 8 = 0.33

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1105 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919412
L263148	T09	SCISSOR	6	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 142 lb uplift at joint 1 and 142 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34834
1306 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1303 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

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

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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	0 0 J1919413
L263148	T09G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:24 2007 Page 1

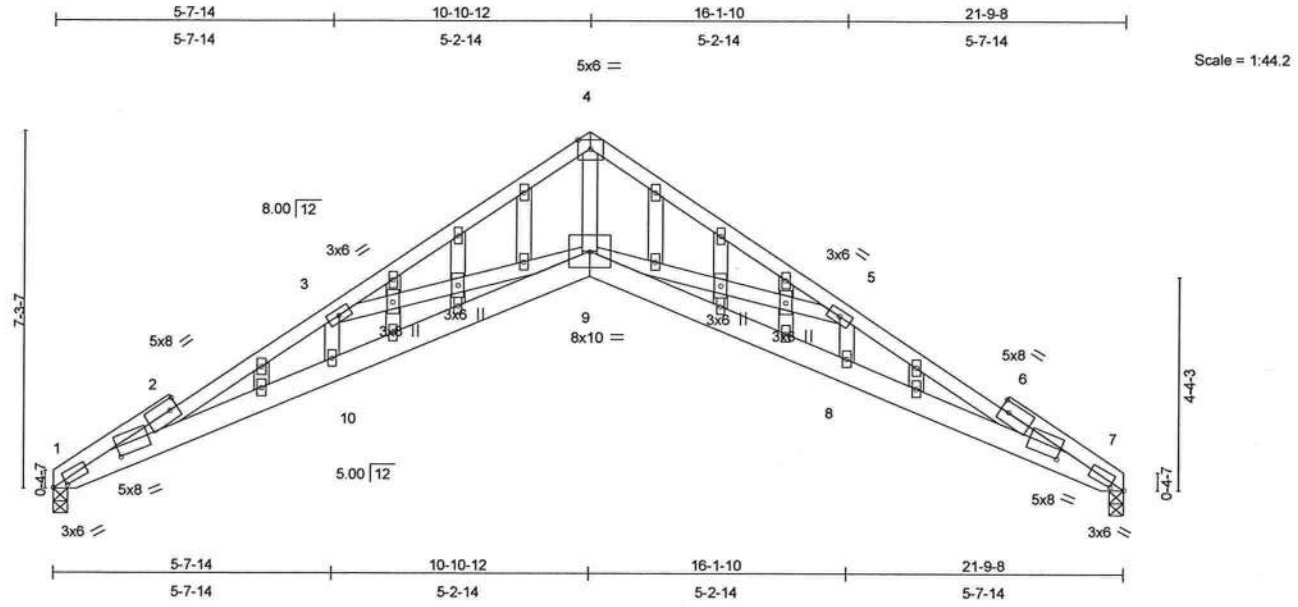


Plate Offsets (X,Y): [1:0-3-6,0-0-15], [1:1-6-2,0-0-10], [7:0-3-6,0-0-15], [7:1-6-2,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	0.68	8-9	>378	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.56	8-9	>462	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.78	Horz(TL)	-0.65	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 134 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-10-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-9-0 oc bracing.

REACTIONS (lb/size) 1=957/0-3-8, 7=957/0-3-8
Max Horz 1=-243(load case 4)
Max Uplift 1=-658(load case 6), 7=-658(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3872/4735, 2-3=-3776/4737, 3-4=-2687/2872, 4-5=-2687/2872, 5-6=-3776/4737, 6-7=-3872/4734
BOT CHORD 1-10=-4152/3439, 9-10=-3988/3464, 8-9=-3988/3464, 7-8=-4153/3439
WEBS 3-10=-395/127, 3-9=-1076/1788, 4-9=-2955/2438, 5-9=-1076/1788, 5-8=-395/127

JOINT STRESS INDEX

1 = 0.87, 1 = 0.89, 2 = 0.00, 2 = 0.87, 3 = 0.63, 4 = 0.81, 5 = 0.63, 6 = 0.00, 6 = 0.87, 7 = 0.87, 7 = 0.89, 8 = 0.33, 9 = 0.56, 10 = 0.33, 11 = 0.33, 12 = 0.33, 13 = 0.42, 14 = 0.33, 15 = 0.33, 16 = 0.42, 17 = 0.33, 18 = 0.33, 19 = 0.33, 20 = 0.33, 21 = 0.33, 22 = 0.33, 23 = 0.33, 24 = 0.33, 25 = 0.42, 26 = 0.33, 27 = 0.33, 28 = 0.42, 29 = 0.33 and 30 = 0.33

Julius Lee
Truss Design Engineer
Florida PE# No. 34164
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

NOTES

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

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919413
L263148	T09G	GABLE	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 1, 7 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 658 lb uplift at joint 1 and 658 lb uplift at joint 7.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-79(F=-25), 4-7=-79(F=-25), 1-9=-10, 7-9=-10

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1306 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919414
L263148	T10	SCISSOR	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:25 2007 Page 1

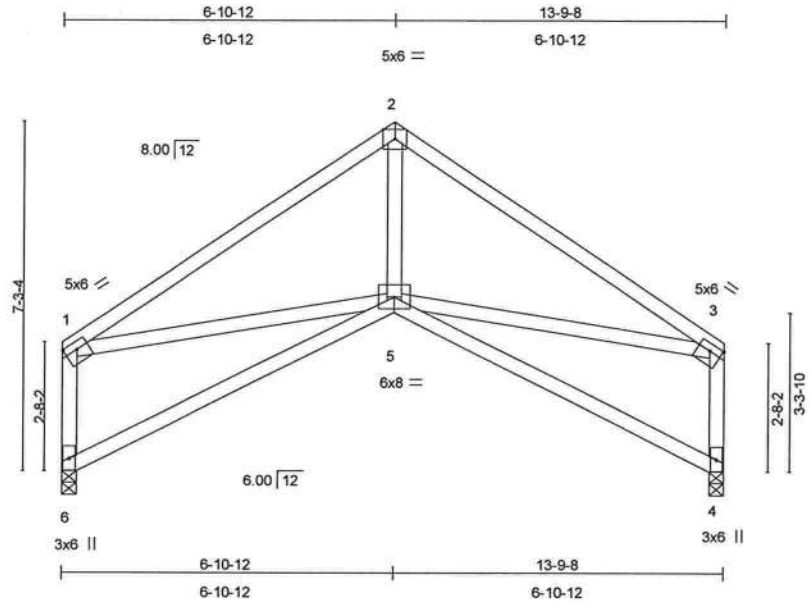


Plate Offsets (X,Y): [1:Edge,0-1-12], [3:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.04	4-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.07	4-5	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.03	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 80 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 10-0-0 oc bracing.

REACTIONS (lb/size) 6=432/0-3-8, 4=432/0-3-8
Max Horz 6=-125(load case 4)
Max Uplift 6=-81(load case 6), 4=-81(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-659/277, 2-3=-659/277, 1-6=-434/250, 3-4=-434/250
BOT CHORD 5-6=-192/187, 4-5=-74/120
WEBS 2-5=-24/337, 1-5=-60/390, 3-5=-112/390

JOINT STRESS INDEX
1 = 0.83, 2 = 0.67, 3 = 0.83, 4 = 0.26, 5 = 0.72 and 6 = 0.26

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1106 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919414
L263148	T10	SCISSOR	6	1	Job Reference (optional)

NOTES

5) Bearing at joint(s) 6, 4 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 81 lb uplift at joint 6 and 81 lb uplift at joint 4.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
Florida PE No. 34869
1105 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Job	Truss	Truss Type	Qty	Ply	0 0 J1919415
L263148	T10G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Dec 18 12:16:26 2007 Page 1

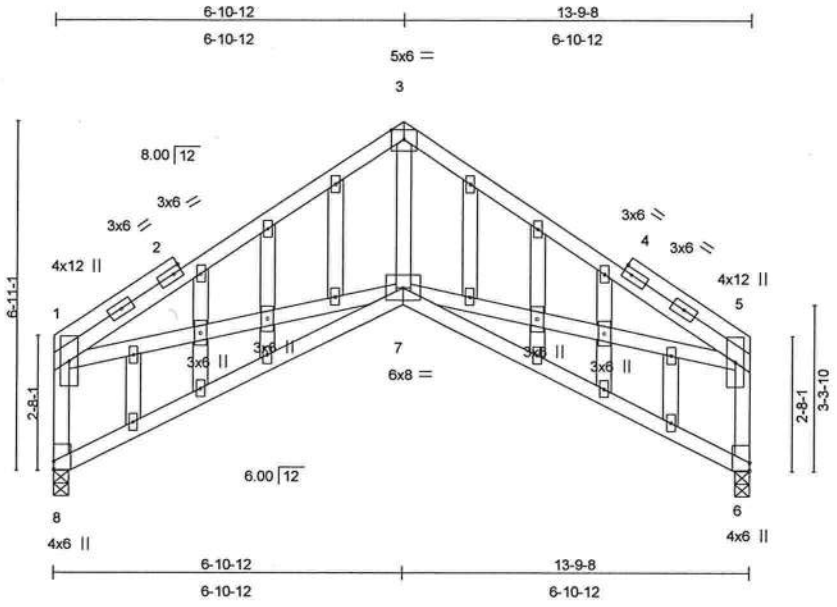


Plate Offsets (X,Y): [20:0-0-0,0-0-0], [21:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	0.18	6-7	>884	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.07	6-7	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.40	Horz(TL)	-0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 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* 1-8 2 X 4 SYP No.2, 5-6 2 X 4 SYP No.2
OTHERS	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 10-0-0 oc bracing.

REACTIONS (lb/size) 8=602/0-3-8, 6=602/0-3-8
Max Horz 8=151(load case 5)
Max Uplift 8=-404(load case 6), 6=-404(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=-989/995, 2-3=-865/1003, 3-4=-865/1003, 4-5=-989/995, 1-8=-636/620, 5-6=-636/620
BOT CHORD	7-8=-277/211, 6-7=-159/207
WEBS	3-7=-803/380, 1-7=-481/563, 5-7=-481/563

JOINT STRESS INDEX

1 = 0.94, 2 = 0.00, 2 = 0.42, 2 = 0.43, 3 = 0.78, 4 = 0.00, 4 = 0.43, 4 = 0.42, 5 = 0.94, 6 = 0.69, 7 = 0.86, 8 = 0.69, 9 = 0.00, 10 = 0.00, 11 = 0.00, 12 = 0.00, 13 = 0.00, 14 = 0.00, 15 = 0.00, 16 = 0.00, 17 = 0.00, 18 = 0.00, 19 = 0.00, 20 = 0.00, 21 = 0.00, 22 = 0.00, 23 = 0.00, 24 = 0.00, 25 = 0.00, 26 = 0.00, 27 = 0.00 and 28 = 0.00

NOTES

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

Julius Lee
Truss Design Engineer
Florida PE# No. 34168
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

December 20,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	0 0 J1919415
L263148	T10G	GABLE	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 1-4-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Bearing at joint(s) 8, 6 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 404 lb uplift at joint 8 and 404 lb uplift at joint 6.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

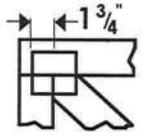
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-79(F=-25), 3-5=-79(F=-25), 7-8=-10, 6-7=-10

Julius Lee
Truss Design Engineer
Florida PE License No. 34836
1109 Coastal Bay Blvd
Boynton Beach, FL 33435

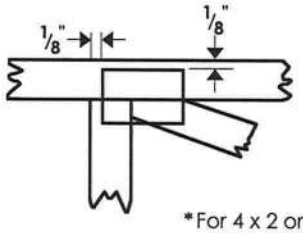
December 20,2007

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

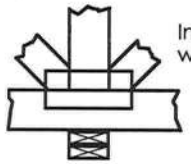
4 x 4

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

LATERAL BRACING

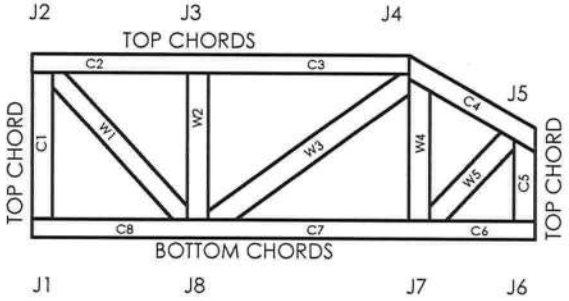
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 4"	6' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"
		#3	3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"
		STUD	3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"
		STANDARD	3' 3"	4' 2"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"
	SP DFL	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#2	3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"
		#3	3' 6"	5' 0"	6' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"
		STUD	3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"
		STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"
16" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 6"	9' 8"	12' 6"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 5"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 5"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STUD	4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 11"	5' 11"	7' 10"	7' 10"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"
	SP DFL	#1	4' 8"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#2	4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 2"	7' 2"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 1"	7' 1"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	12' 6"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

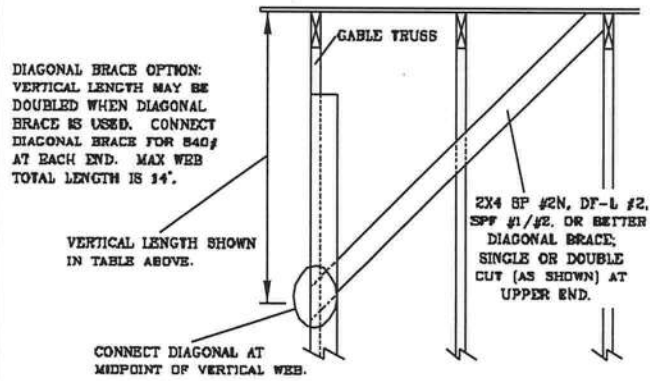
SOUTHERN PINE
#3
STUD
STANDARD

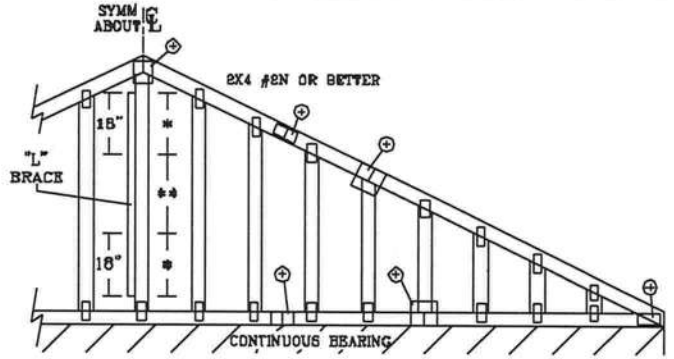
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 136 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR, SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-02-GAB13015
DATE 11/26/03
DRWG MITEK STD GABLE 15 E HT
-ENG

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

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 2"	5' 6"	6' 6"	6' 6"	6' 9"	7' 10"	8' 0"	10' 3"	10' 7"	12' 3"	12' 7"
		#3	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STUD	3' 1"	4' 5"	4' 5"	5' 10"	5' 10"	7' 10"	7' 10"	9' 1"	9' 1"	12' 3"	12' 3"
		STANDARD	2' 11"	3' 9"	3' 9"	6' 0"	5' 0"	6' 9"	6' 9"	7' 10"	7' 10"	10' 7"	10' 7"
	SP DFL	#1	3' 6"	5' 6"	5' 11"	6' 8"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#2	3' 5"	5' 6"	5' 11"	6' 6"	7' 0"	7' 10"	8' 5"	10' 3"	11' 1"	12' 3"	13' 2"
		#3	3' 3"	4' 6"	4' 6"	6' 0"	6' 0"	7' 10"	8' 1"	9' 4"	9' 4"	12' 3"	12' 6"
		STUD	3' 3"	4' 6"	4' 6"	5' 11"	5' 11"	7' 10"	8' 0"	9' 3"	9' 3"	12' 3"	12' 6"
		STANDARD	3' 0"	3' 10"	3' 10"	5' 1"	5' 1"	6' 11"	6' 11"	8' 0"	8' 0"	10' 10"	10' 10"
16" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 2"	6' 2"	8' 3"	8' 3"	9' 7"	9' 7"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	6' 7"	7' 4"	7' 4"	8' 11"	9' 6"	11' 5"	11' 6"	14' 0"	14' 0"
		STUD	3' 8"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	13' 3"
12" O.C.	SPF HF	#1 / #2	4' 0"	6' 11"	7' 2"	8' 3"	8' 6"	9' 10"	10' 1"	12' 11"	13' 4"	14' 0"	14' 0"
		#3	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 11"	12' 11"	14' 0"	14' 0"
		STUD	3' 11"	6' 3"	6' 3"	8' 3"	8' 3"	9' 10"	9' 10"	12' 10"	12' 10"	14' 0"	14' 0"
		STANDARD	3' 11"	5' 4"	5' 4"	7' 1"	7' 1"	9' 6"	9' 6"	11' 1"	11' 1"	14' 0"	14' 0"
	SP DFL	#1	4' 5"	6' 11"	7' 6"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#2	4' 4"	6' 11"	7' 6"	8' 3"	8' 11"	9' 10"	10' 7"	12' 11"	13' 11"	14' 0"	14' 0"
		#3	4' 2"	6' 5"	6' 5"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 3"	14' 0"	14' 0"
		STUD	4' 2"	6' 4"	6' 4"	8' 3"	8' 6"	9' 10"	10' 4"	12' 11"	13' 1"	14' 0"	14' 0"
		STANDARD	4' 0"	5' 6"	5' 6"	7' 3"	7' 3"	9' 9"	9' 9"	11' 4"	11' 4"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

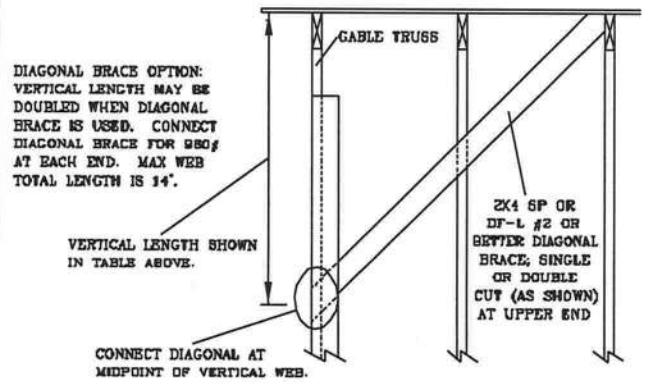
SOUTHERN PINE
#3
STUD
STANDARD

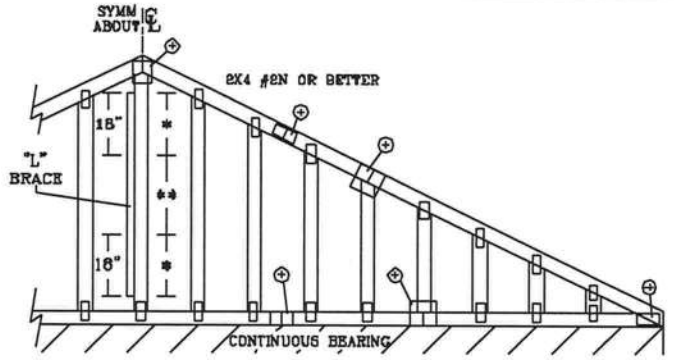
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 180 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 60% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

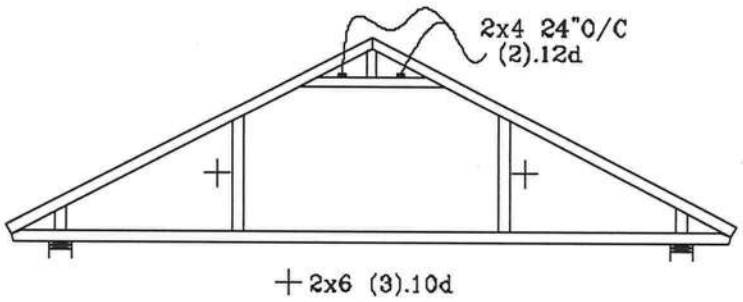
JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161
No: 34869
STATE OF FLORIDA

MAX. TOT. LD. 60 PSF

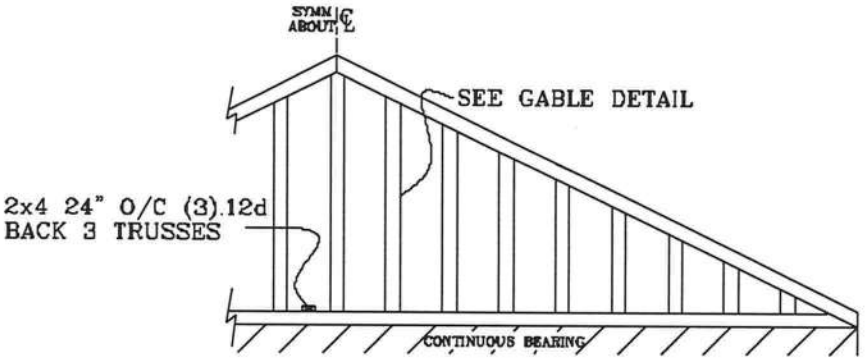
MAX. SPACING 24.0"

REF ASCE7-02-GAB13030
DATE 11/26/03
DWG MITEK STD GABLE 90' E N7
-ENG

TYPICAL ATTIC TRUSS BRACING

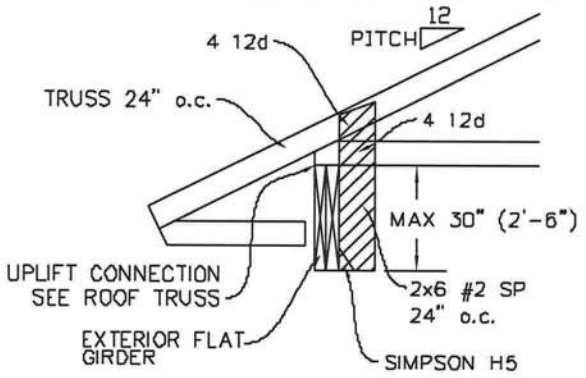


GABLE END TRUSS DETAIL

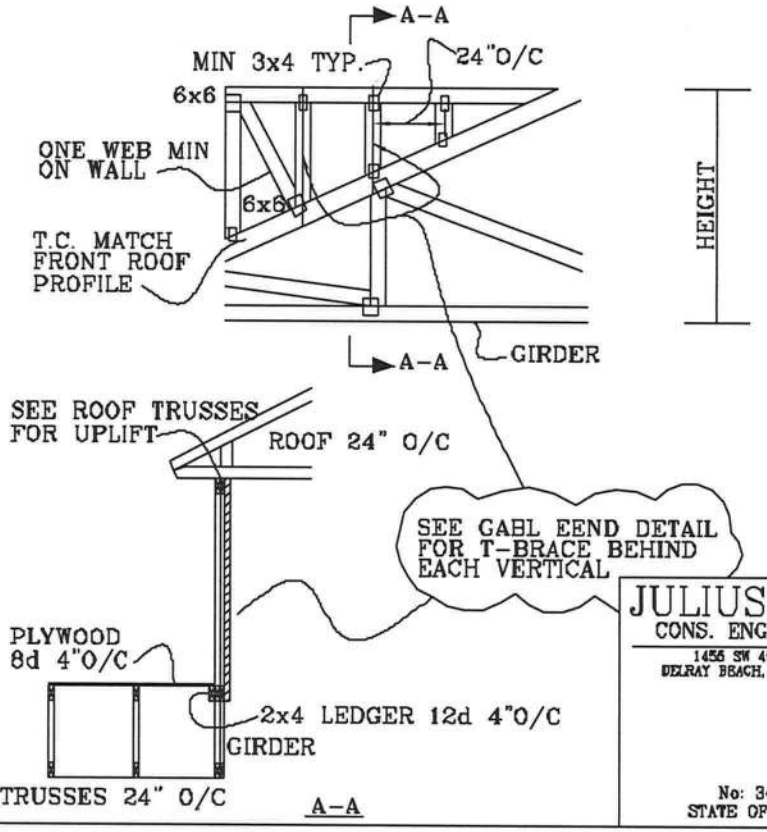


MINIMUM BC BRACING ON GABLE TRUSS. OTHER PERMANENT BRACING DESIGNS BY ARCHITECT OR EOR

TYPICAL ALTERNATE BRACING DETAIL FOR EXTERIOR FLAT GIRDER TRUSS



TYPICAL WALL GIRDER VERTICAL WEB BRACING DETAIL



JULIUS LEE'S
CONS. ENGINEERS P.A.
1456 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

PIGGYBACK DETAIL

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

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

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

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

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

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

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

110 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, 1 MI FROM COAST CAT I, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

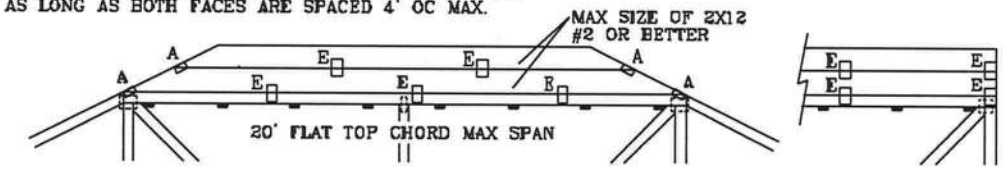
110 MPH WIND, 30' MEAN HGT, FBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

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=5 PSF

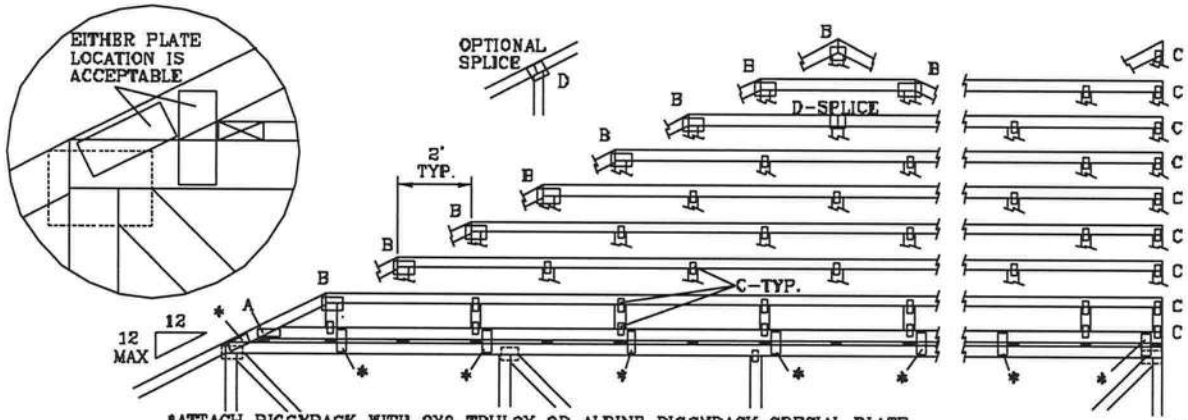
FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.

JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX 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 TRULOX INFORMATION.



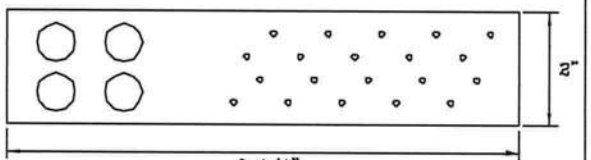
WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d NAILS AT 4" OC.



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

* PIGGYBACK SPECIAL PLATE

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



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

xxWARNINGxx TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1450 SW 4th AVENUE
DELRAY BEACH, FL. 33444-2161

No: 34869
STATE OF FLORIDA

MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF PIGGYBACK
DATE 09/12/07
DRWG MITEK STD PIGGY
-ENG JL

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=5 PSF.

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".

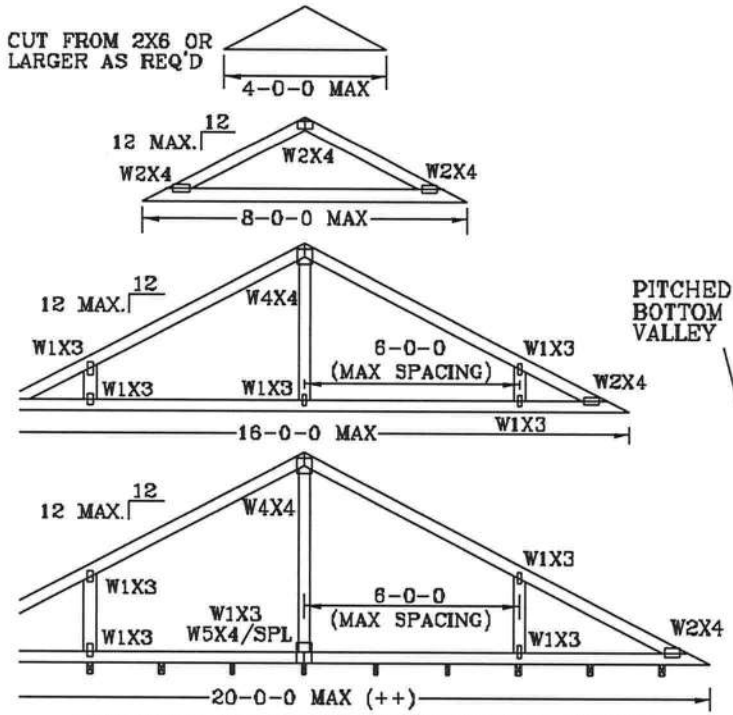
MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

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.

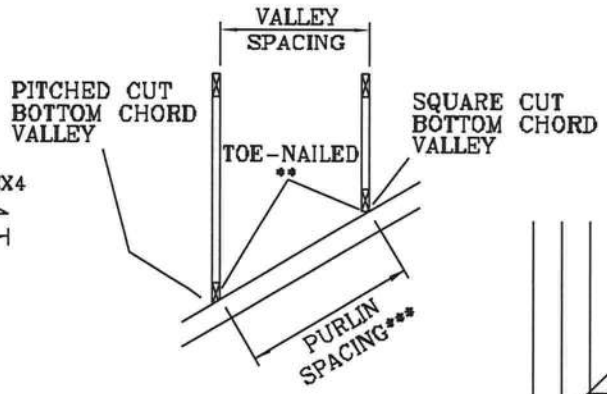
*** NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.

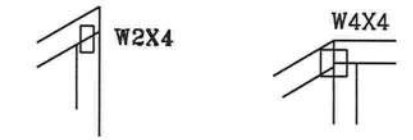
++ LARGER SPANS MAY BE BUILT AS LONG AS THE VERTICAL HEIGHT DOES NOT EXCEED 12'0".

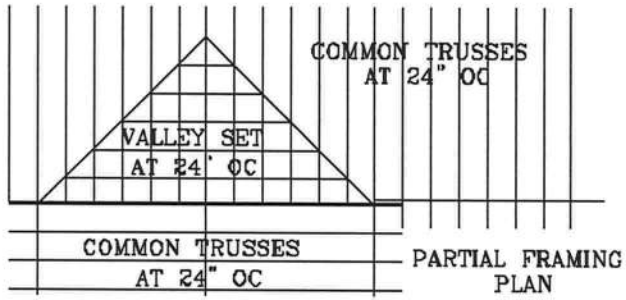
BOTTOM CHORD MAY BE SQUARE OR PITCHED CUT AS SHOWN.



SUPPORTING TRUSSES AT 24" OC MAXIMUM SPACING.







THIS DRAWING REPLACES DRAWING A105

xxWARNINGxx TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 SW 4th AVENUE
DELRAY BEACH, FL 33444-2161

No: 34869
STATE OF FLORIDA

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	
DUR.FAC. 1.25		1.25		
SPACING		24"		

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."

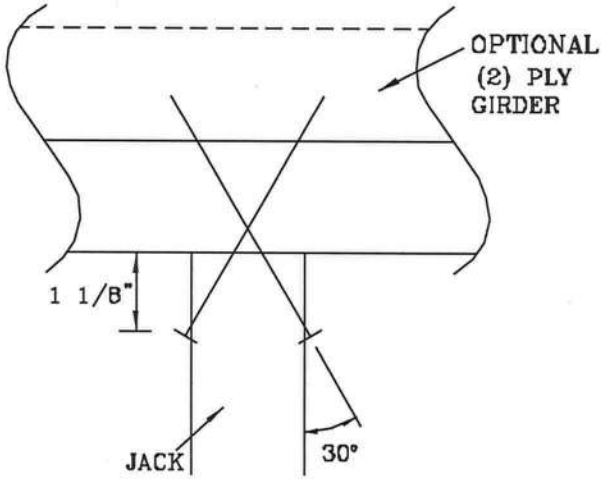
THE NUMBER OF TOE-NAILS TO BE USED IN A SPECIFIC APPLICATION IS DEPENDENT UPON PROPERTIES FOR THE CHORD SIZE, LUMBER SPECIES, AND NAIL TYPE. PROPER CONSTRUCTION PRACTICES AS WELL AS GOOD JUDGEMENT SHOULD DETERMINE THE NUMBER OF NAILS TO BE USED.

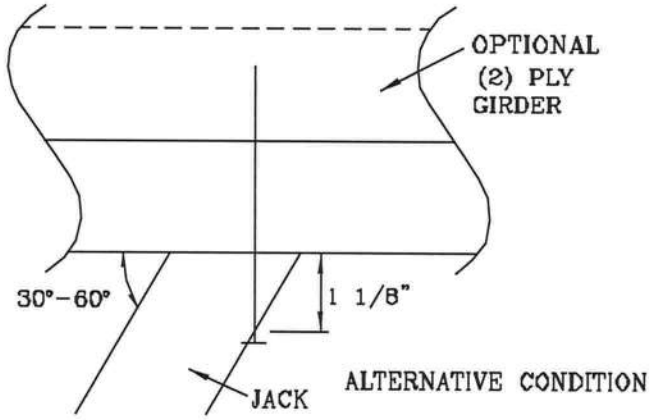
THIS DETAIL DISPLAYS A TOE-NAILED CONNECTION FOR JACK FRAMING INTO A SINGLE OR DOUBLE PLY SUPPORTING GIRDER.

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 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES	1 PLY	2 PLIES
2	197#	256#	181#	234#	156#	203#	154#	199#
3	296#	383#	271#	351#	234#	304#	230#	298#
4	394#	511#	361#	468#	312#	406#	307#	397#
5	493#	639#	452#	585#	390#	507#	384#	496#

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





ALTERNATIVE CONDITION

THIS DRAWING REPLACES DRAWING 784040

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

JULIUS LEE'S
CONS. ENGINEERS P.A.
1455 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	CNTONAIL1103
BC LL	PSF	-ENG	JL
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			