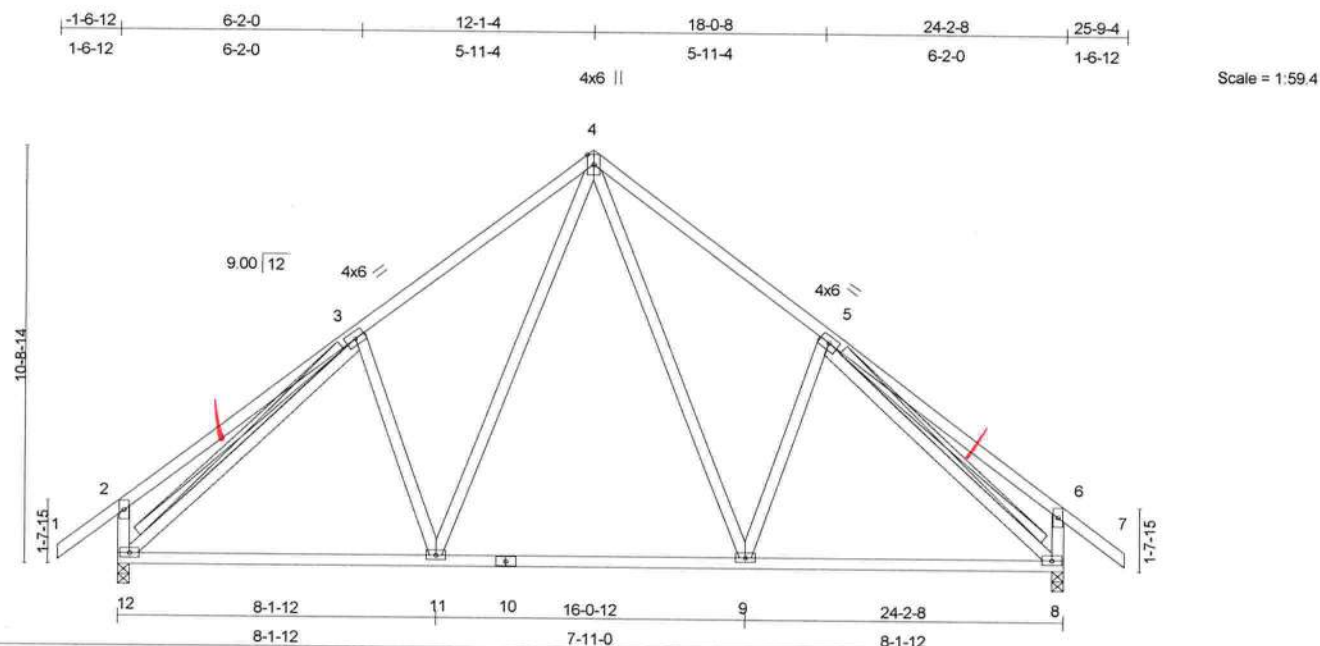


Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T10	COMMON	2	1	J1926985
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	-0.06	8-9	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.28	Vert(TL)	-0.11	8-9	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.50	Horz(TL)	0.02	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 165 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.

WEBS T-Brace: 2 X 4 SYP No.3 - 3-12, 5-8

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) 12=858/0-3-8, 8=858/0-3-8  
Max Horz 12=-305(load case 4)  
Max Uplift 12=-223(load case 6), 8=-223(load case 7)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/55, 2-3=-230/279, 3-4=-764/548, 4-5=-764/548, 5-6=-230/279, 6-7=0/55,  
2-12=-335/362, 6-8=-335/362  
BOT CHORD 11-12=-189/590, 10-11=-67/445, 9-10=-67/445, 8-9=-83/590  
WEBS 3-11=-205/278, 4-11=-229/291, 4-9=-229/291, 5-9=-205/278, 3-12=-682/155,  
5-8=-682/155

#### JOINT STRESS INDEX

2 = 0.28, 3 = 0.30, 4 = 0.69, 5 = 0.30, 6 = 0.28, 8 = 0.66, 9 = 0.48, 10 = 0.16, 11 = 0.48 and 12 = 0.66

Julius Lee  
Professional Engineer  
Florida PE No. 34868  
1100 Coastal Bay Blvd  
Boynton Beach, FL 33435

Continued on page 2

January 28, 2008

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



Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T10	COMMON	2	1	J1926985
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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#### 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; end vertical 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) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All plates are 3x6 MT20 unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 223 lb uplift at joint 12 and 223 lb uplift at joint 8.

LOAD CASE(S) Standard

Julius Lee  
Truss Design Engineer  
Florida P.E. No. 34866  
1400 Coastal Bay Blvd.  
Boynton Beach, FL 33435

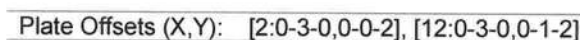
January 28, 2008

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<b>BRACING</b>	
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.

Julius Lars  
Truss Design Engineer  
Florida PE No. 34889  
1409 Coastal Hwy Blvd.  
Boynton Beach, FL 33435

**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 is referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T11G	GABLE	1	1	J1926986
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:09 2008 Page 2

#### 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 gable end zone and C-C Exterior(2) zone; end vertical 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 requires continuous bottom chord bearing.
- 7) Gable studs spaced at 1-4-0 oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint 2, 82 lb uplift at joint 12, 86 lb uplift at joint 18, 128 lb uplift at joint 19, 83 lb uplift at joint 20, 80 lb uplift at joint 16, 130 lb uplift at joint 15 and 82 lb uplift at joint 14.
- 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: 1-7=-64(F=-10), 7-13=-64(F=-10), 2-12=-10

Julian Lee  
Truss Design Engineer  
Florida PE No. 31868  
1400 Coastal Bay Blvd  
Daytona Beach, FL 32115

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T12G	GABLE	1	1	J1926987
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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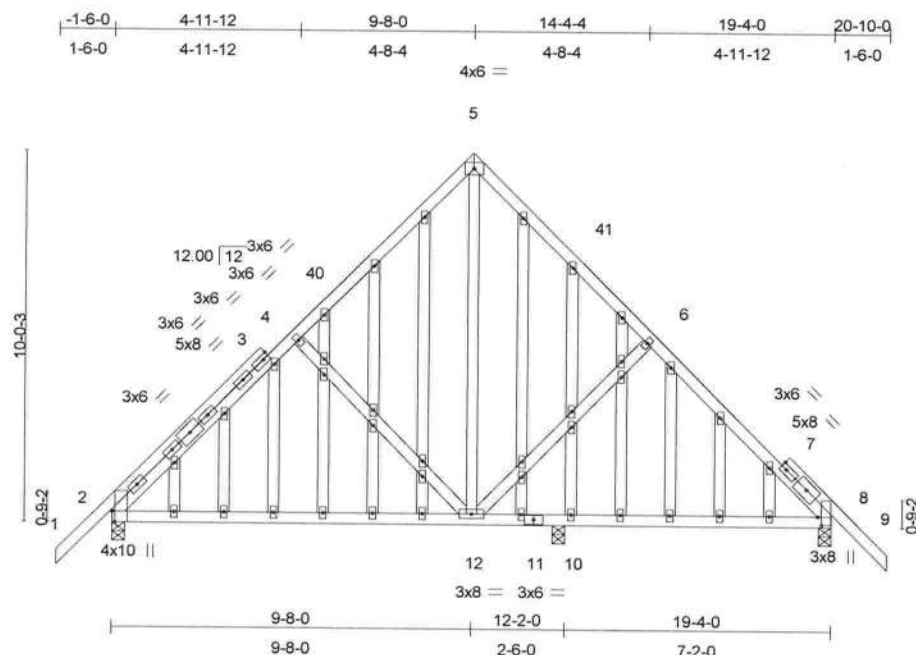


Plate Offsets (X,Y): [2:0-3-8,Edge], [8:0-2-12,0-1-2]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	Vert(LL)	0.14	8-10	>581	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.41	Vert(TL)	-0.27	2-12	>551	240		
BCLL 10.0	Rep Stress Incr	NO	WB 0.47	Horz(TL)	0.02	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 205 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) 2=806/0-4-0, 8=835/0-4-0, 10=711/0-4-0  
 Max Horz 2=-341(load case 4)  
 Max Uplift 2=-376(load case 6), 8=-477(load case 7), 10=-139(load case 4)  
 Max Grav 2=806(load case 1), 8=835(load case 1), 10=122(load case 2)

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

TOP CHORD 1-2=0/48, 2-3=-860/364, 3-4=-711/379, 4-40=-694/383, 5-40=-575/371, 5-41=-456/372,  
 6-41=-689/382, 6-7=-804/379, 7-8=-908/370, 8-9=0/56  
 BOT CHORD 2-12=-243/570, 11-12=-167/568, 10-11=-167/568, 8-10=-167/568  
 WEBS 4-12=-244/305, 5-12=-285/378, 6-12=-241/326

Julius Lee  
 Truss Design Engineer  
 Florida PE No. 34868  
 1100 Coastal Bay Blvd.  
 Daytona Beach, FL 32115

#### JOINT STRESS INDEX

2 = 0.88, 3 = 0.07, 3 = 0.34, 3 = 0.24, 3 = 0.24, 3 = 0.24, 3 = 0.24, 3 = 0.24, 4 = 0.34, 5 = 0.46, 6 = 0.34, 7 = 0.18, 7 = 0.34, 7 = 0.23, 7 = 0.00, 8 = 0.83, 10 = 0.34, 11 = 0.37, 12 = 0.57, 13 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.00, 24 = 0.34, 25 = 0.34, 26 = 0.00, 26 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34, 31 = 0.34, 32 = 0.34, 33 = 0.34, 34 = 0.34, 34 = 0.34, 35 = 0.34, 36 = 0.34, 37 = 0.34, 38 = 0.34 and 39 = 0.34

#### NOTES

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

January 28, 2008

Continued on page 2

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T12G	GABLE	1	1	J1926987
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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#### 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; end vertical left and right exposed; 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 376 lb uplift at joint 2, 477 lb uplift at joint 8 and 139 lb uplift at joint 10.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 10) Gable truss supports 1' 0" max. rake gable overhang.

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-40=-54, 5-40=-91(F=-37), 5-41=-91(F=-37), 9-41=-64(F=-10), 2-8=-10

Julian Lee  
Truss Design Engineer  
Florida P.E. No. 34886  
1405 Coastal Bay Blvd  
Boynton Beach, FL 33435

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T13	COMMON	1	1	J1926988
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:11 2008 Page 1

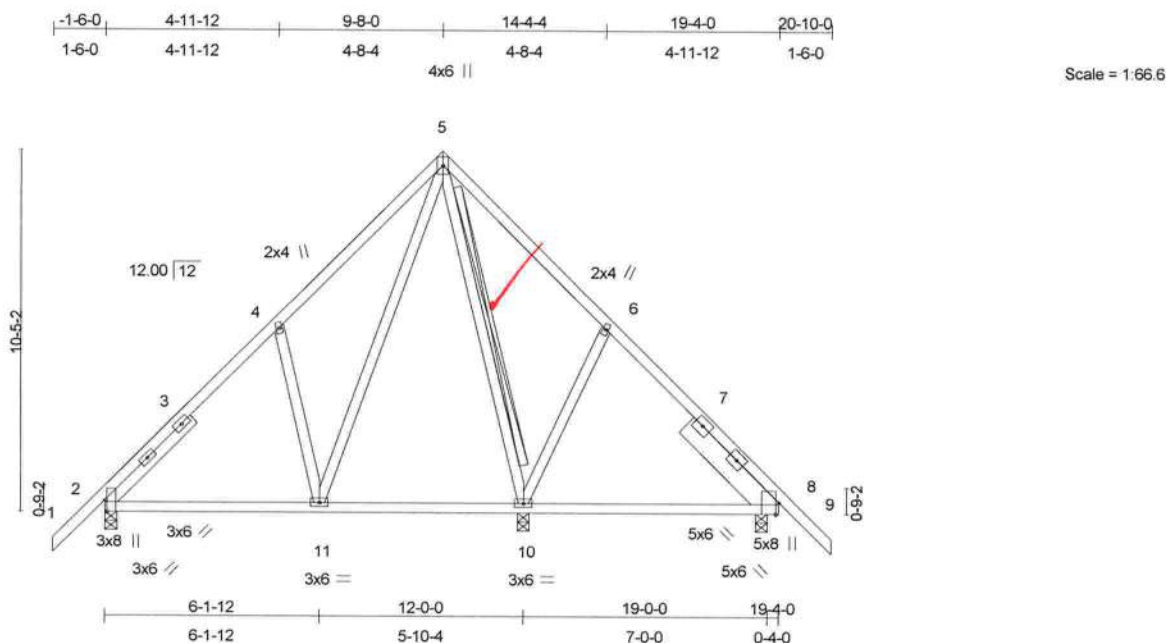


Plate Offsets (X,Y): [2:0-4-3,Edge], [8:0-4-3,Edge]

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)	0.16	8-10	>545	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.24	Vert(TL)	-0.08	8-10	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.51	Horz(TL)	0.01	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 139 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  
 SLIDER Left 2 X 4 SYP No.3 3-5-11,  
 Right 2 X 8 SYP No.1D 3-5-13

#### 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 -  
 5-10  
 Fasten T and I braces to narrow edge of web  
 with 10d Common wire nails, 9in o.c., with 4in  
 minimum end distance.  
 Brace must cover 90% of web length.

**REACTIONS** (lb/size) 2=517/0-4-0, 8=401/0-4-0, 10=481/0-4-0  
 Max Horz 2=-278(load case 4)  
 Max Uplift 2=-154(load case 6), 8=-238(load case 7), 10=-155(load case 6)

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

TOP CHORD 1-2=0/48, 2-3=-479/209, 3-4=-370/226, 4-5=-394/424, 5-6=-193/351, 6-7=-219/205,  
 7-8=-318/181, 8-9=0/48  
 BOT CHORD 2-11=-167/272, 10-11=-67/213, 8-10=-44/155  
 WEBS 5-10=-235/28, 6-10=-210/338, 5-11=-256/288, 4-11=-218/320

Julius Lee  
 Truss Design Engineer  
 Florida PE No. 35863  
 1100 Coastal Bay Blvd  
 Boynton Beach, FL 33435

#### JOINT STRESS INDEX

2 = 0.68, 2 = 0.15, 2 = 0.15, 3 = 0.00, 4 = 0.33, 5 = 0.46, 6 = 0.33, 7 = 0.00, 8 = 0.53, 8 = 0.09, 8 = 0.09, 10 = 0.51 and 11 =  
 0.51

Continued on page 2

January 28, 2008

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE**  
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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T13	COMMON	1	1	J1926988

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:11 2008 Page 2

#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; cantilever right exposed; 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) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 154 lb uplift at joint 2, 238 lb uplift at joint 8 and 155 lb uplift at joint 10.

LOAD CASE(S) Standard

Julius Lee  
Truss Design Engineer  
Florida PE No. 34888  
1402 Coastal Bay Blvd  
Boynton Beach, FL 33435

January 28, 2008

**Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 BEFORE USE**  
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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T14	COMMON	1	1	J1926989
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:12 2008 Page 1

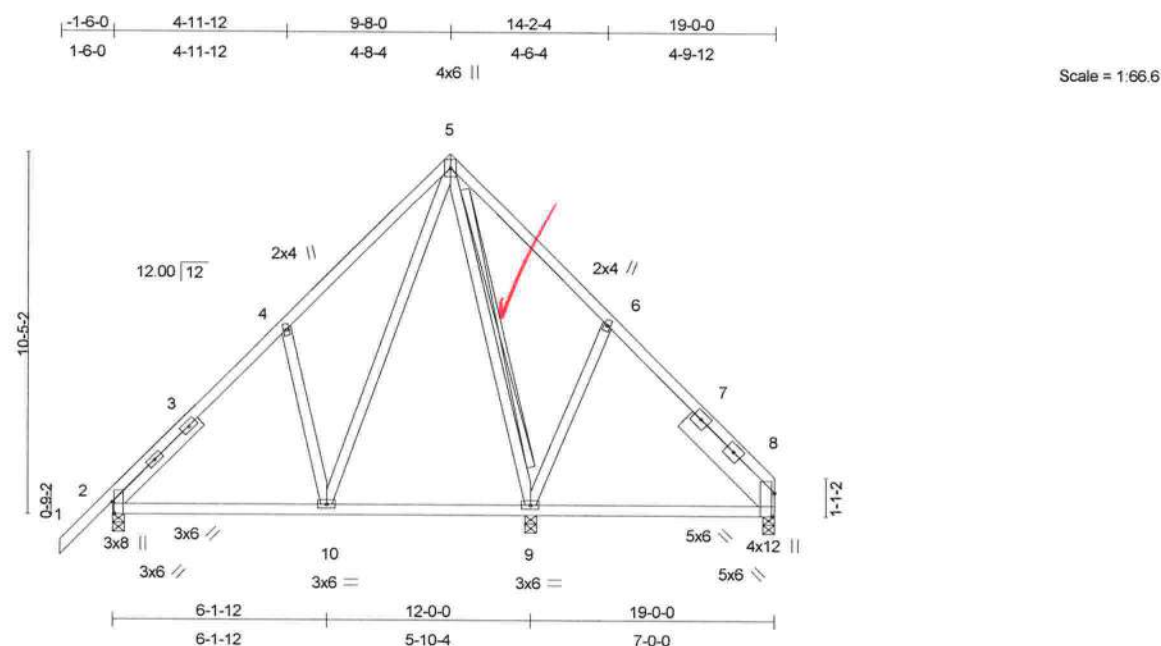


Plate Offsets (X,Y): [2:0-4-3,Edge], [8:0-8-3,Edge]

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)	0.14	8-9	>598	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.20	Vert(TL)	-0.06	8-9	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.52	Horz(TL)	0.01	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 135 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  
 SLIDER Left 2 X 4 SYP No.3 3-5-11,  
 Right 2 X 8 SYP No.1D 3-7-3

#### 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 - 5-9  
 Fasten T and I braces to narrow edge of web  
 with 10d Common wire nails, 9in o.c., with 4in  
 minimum end distance.  
 Brace must cover 90% of web length.

**REACTIONS** (lb/size) 8=326/0-4-0, 2=530/0-4-0, 9=441/0-4-0  
 Max Horz 2=300(load case 5)  
 Max Uplift 8=-195(load case 7), 2=-168(load case 6), 9=-111(load case 6)

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

TOP CHORD 1-2=0/48, 2-3=-496/259, 3-4=-386/275, 4-5=-411/473, 5-6=-217/436, 6-7=-233/279,  
 7-8=-315/249  
 BOT CHORD 2-10=-192/273, 9-10=-92/172, 8-9=-83/165  
 WEBS 5-9=-271/25, 6-9=-205/337, 5-10=-257/288, 4-10=-218/318

Julian Lee  
 Truss Design Engineer  
 Florida PE No. 3-3888  
 1400 Coastal Bay Blvd  
 Boynton Beach, FL 33435

#### JOINT STRESS INDEX

2 = 0.68, 2 = 0.15, 2 = 0.15, 3 = 0.00, 4 = 0.33, 5 = 0.44, 6 = 0.33, 7 = 0.00, 8 = 0.53, 8 = 0.09, 8 = 0.09, 9 = 0.51 and 10 =  
 0.51

Continued on page 2

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T14	COMMON	1	1	J1926989

Job Reference (optional)

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#### NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=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) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 8, 168 lb uplift at joint 2 and 111 lb uplift at joint 9.

**LOAD CASE(S)** Standard

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January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T15	SPECIAL	1	1	J1926990
Job Reference (optional)					

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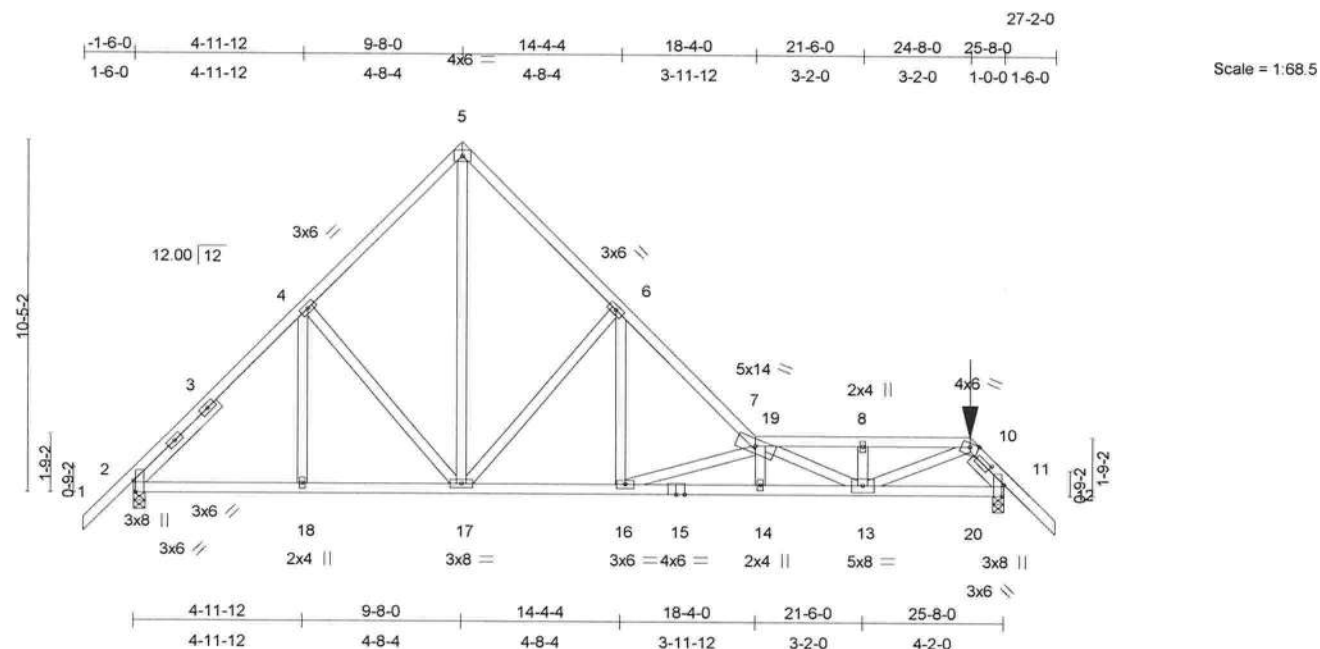


Plate Offsets (X,Y): [2:0-4-3,Edge], [11:0-4-3,Edge], [11:0-7-12,0-1-8]							
<b>LOADING</b> (psf)	<b>SPACING</b>	2-0-0	<b>CSI</b>	<b>DEFL</b>	in (loc)	l/defl	L/d
TCLL 20.0	Plates Increase	1.25	TC 0.24	Vert(LL)	-0.19 14-16	>999	360
TCDL 7.0	Lumber Increase	1.25	BC 0.76	Vert(TL)	-0.36 14-16	>849	240
BCLL 10.0	Rep Stress Incr	NO	WB 0.82	Horz(TL)	0.06 11	n/a	n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)				
							<b>PLATES</b>
							MT20
							<b>GRIP</b>
							244/190
							Weight: 172 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  
SLIDER Left 2 X 4 SYP No.3 3-5-8,  
Right 2 X 4 SYP No.3 1-3-9

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 3-11-5  
oc purlins.  
BOT CHORD Rigid ceiling directly applied or 6-8-5 oc bracing.

**REACTIONS** (lb/size) 2=936/0-4-0, 11=1110/0-4-0  
Max Horz 2=-278(load case 3)  
Max Uplift 2=-243(load case 5), 11=-444(load case 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/48, 2-3=-1047/241, 3-4=-870/260, 4-5=-832/309, 5-6=-837/296, 6-7=-1543/407,  
7-19=-2337/781, 8-19=-2336/781, 8-9=-2337/781, 9-10=-1173/453, 10-11=-1205/451,  
11-12=0/48  
BOT CHORD 2-18=-204/645, 17-18=-204/645, 16-17=-198/1065, 15-16=-894/3326, 14-15=-894/3326,  
13-14=-891/3326, 13-20=-216/709, 11-20=-216/709  
WEBS 4-18=0/141, 4-17=-199/175, 5-17=-310/793, 6-17=-814/369, 6-16=-258/885,  
7-16=-2404/819, 7-14=0/81, 7-13=-1088/233, 8-13=-234/217, 9-13=-563/1787

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**JOINT STRESS INDEX**  
2 = 0.61, 2 = 0.20, 2 = 0.20, 3 = 0.00, 4 = 0.47, 5 = 0.53, 6 = 0.72, 7 = 0.68, 8 = 0.34, 9 = 0.68, 10 = 0.00, 11 = 0.74, 11 = 0.46, 13 =  
0.82, 14 = 0.34, 15 = 0.99, 16 = 0.67, 17 = 0.57 and 18 = 0.34

#### NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B;  
enclosed: MWERS; Lumber DOL=1.60 plate grip DOL=1.60.

January 28,2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF	J1926990
L265361	T15	SPECIAL	1	1	Job Reference (optional)	

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#### NOTES

- 3) Provide adequate drainage to prevent water ponding.
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 243 lb uplift at joint 2 and 444 lb uplift at joint 11.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Loading has been calculated by the truss manufacturer. It is the responsibility of the Architect/Engineer of Record to verify and approve the loading.

#### LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
  - Uniform Loads (plf)
    - Vert: 1-5=-54, 5-7=-54, 7-19=-54, 9-19=-83(F=-29), 9-12=-54, 2-14=-10, 11-14=-15(F=-5)
  - Concentrated Loads (lb)
    - Vert: 9=-27(F)

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