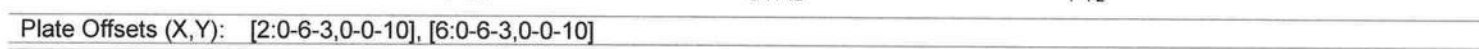


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LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2 X 4 SYP No.2		
WEBS	2 X 4 SYP No.3	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-930/407, 3-4=-807/497, 4-5=-818/514, 5-6=-938/421
 BOT CHORD 2-9=-217/666, 8-9=-53/454, 7-8=-53/454, 6-7=-235/677
 WEBS 3-9=-244/255, 4-9=-205/328, 4-7=-237/346, 5-7=-253/268

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

Continued on page 2

Julian Lutz
Truss Design Engineer
Florida PE No. 34868
1400 Coastal Bay Blvd.
Dunedin Beach, FL 34622

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 BCSCI-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	T20	COMMON	6	1	J1926995

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 138 lb uplift at joint 6 and 213 lb uplift at joint 2.

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 34869
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Boynton Beach, FL 33435

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T20A	COMMON	1	2	J1926996

Builders FirstSource, Lake City, FL 32055

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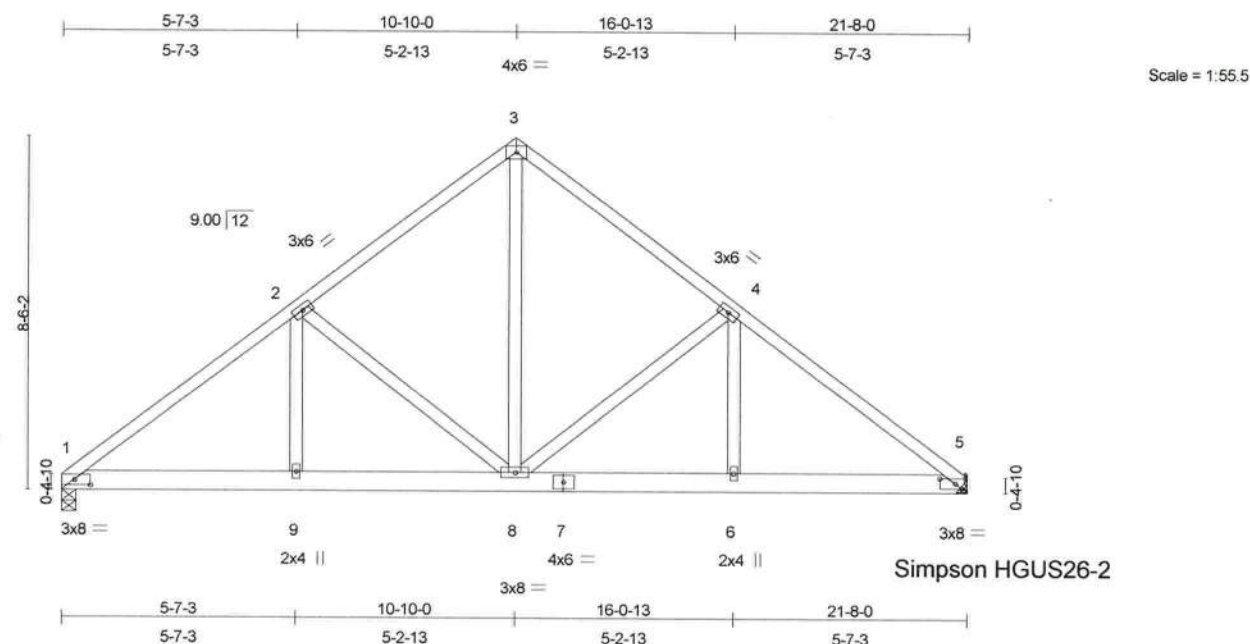


Plate Offsets (X,Y): [1:0-4-8,0-1-8], [5:0-4-8,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.17	Vert(LL)	-0.06	8-9	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.38	Vert(TL)	-0.11	8-9	>999	240		
BCLL 10.0	* Rep Stress Incr	NO	WB 0.45	Horz(TL)	0.03	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 266 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.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=3025/0-4-0, 5=3025/Mechanical
Max Horz 1=225(load case 4)
Max Uplift 1=-830(load case 5), 5=-830(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-3965/1082, 2-3=-2670/795, 3-4=-2670/795, 4-5=-3971/1084
BOT CHORD 1-9=-879/3097, 8-9=-879/3097, 7-8=-802/3106, 6-7=-802/3106, 5-6=-802/3106
WEBS 2-9=-359/1342, 2-8=-1329/480, 3-8=-832/2817, 4-8=-1339/484, 4-6=-361/1345

JOINT STRESS INDEX

1 = 0.64, 2 = 0.50, 3 = 0.77, 4 = 0.50, 5 = 0.64, 6 = 0.48, 7 = 0.39, 8 = 0.69 and 9 = 0.48

NOTES

- 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.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.

Julius Lee
Truss Design Engineer
Florida PE No. 34868
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Boynton Beach, FL 33435

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T20A	COMMON	1	2	J1926996

Builders FirstSource, Lake City, FL 32055

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NOTES

- 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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 830 lb uplift at joint 1 and 830 lb uplift at joint 5.
- 8) Girder carries tie-in span(s): 16-0-0 from 0-0-0 to 21-8-0

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 1-5=-229(F=-219)

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Daytona Beach, FL 32115

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T21	COMMON	1	1	J1926997
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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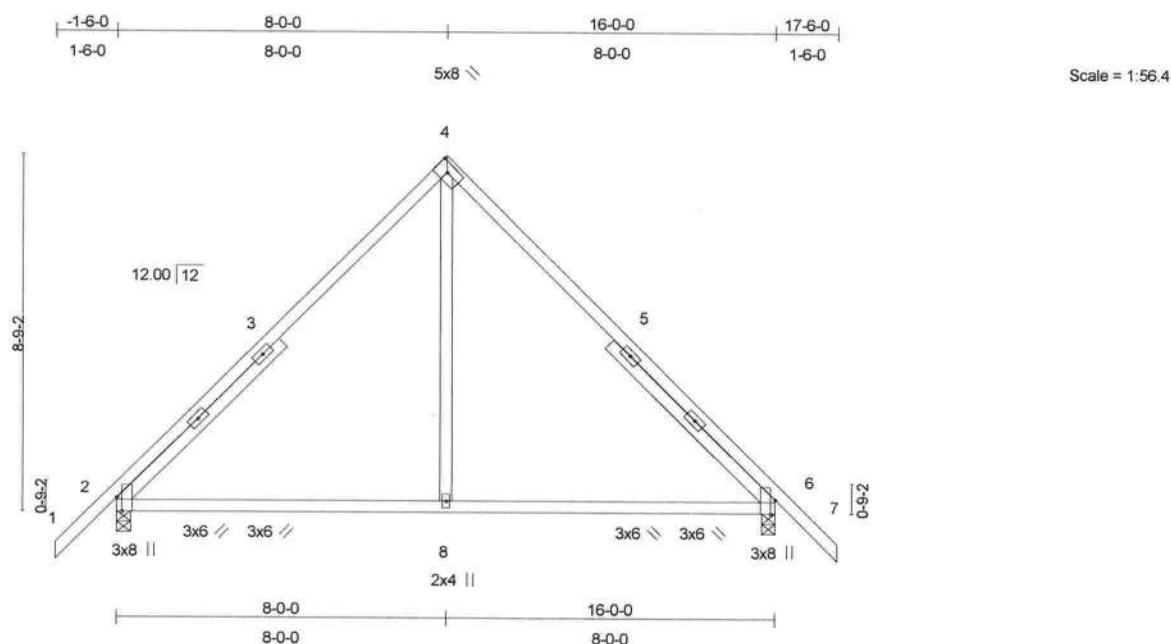


Plate Offsets (X,Y): [2'-0"-4'-3", Edge], [6'-0"-4'-3", Edge]									
LOADING (psf)	SPACING	2'-0"-0"	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.49	Vert(LL)	0.12	2-8	>999	360	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.29	Vert(TL)	-0.13	2-8	>999	240	GRIP
BCLL 10.0	* Rep Stress Incr	YES	WB 0.08	Horz(TL)	0.01	6	n/a	n/a	244/190
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 93 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 5-7-2,
 Right 2 X 4 SYP No.3 5-7-2

BRACING

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

REACTIONS (lb/size) 2=593/0-4-0, 6=593/0-4-0
 Max Horz 2=232(load case 5)
 Max Uplift 2=-159(load case 6), 6=-159(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-556/220, 3-4=-402/247, 4-5=-402/247, 5-6=-556/220, 6-7=0/48
 BOT CHORD 2-8=-41/284, 6-8=-41/284
 WEBS 4-8=-10/264

JOINT STRESS INDEX

2 = 0.82, 2 = 0.11, 2 = 0.11, 3 = 0.00, 4 = 0.68, 5 = 0.00, 6 = 0.82, 6 = 0.11, 6 = 0.11 and 8 = 0.19

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; 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.
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

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 Truss Design Engineer
 Florida PE No. 24868
 1400 Coastal Bay Blvd
 Boynton Beach, FL 33435

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF	J1926997
L265361	T21	COMMON	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL 32055

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NOTES

- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 2 and 159 lb uplift at joint 6.

LOAD CASE(S) Standard

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Truss Design Engineer
Florida PE No. 34866
1400 Coastal Bay Blvd
Boynton Beach, FL 33435

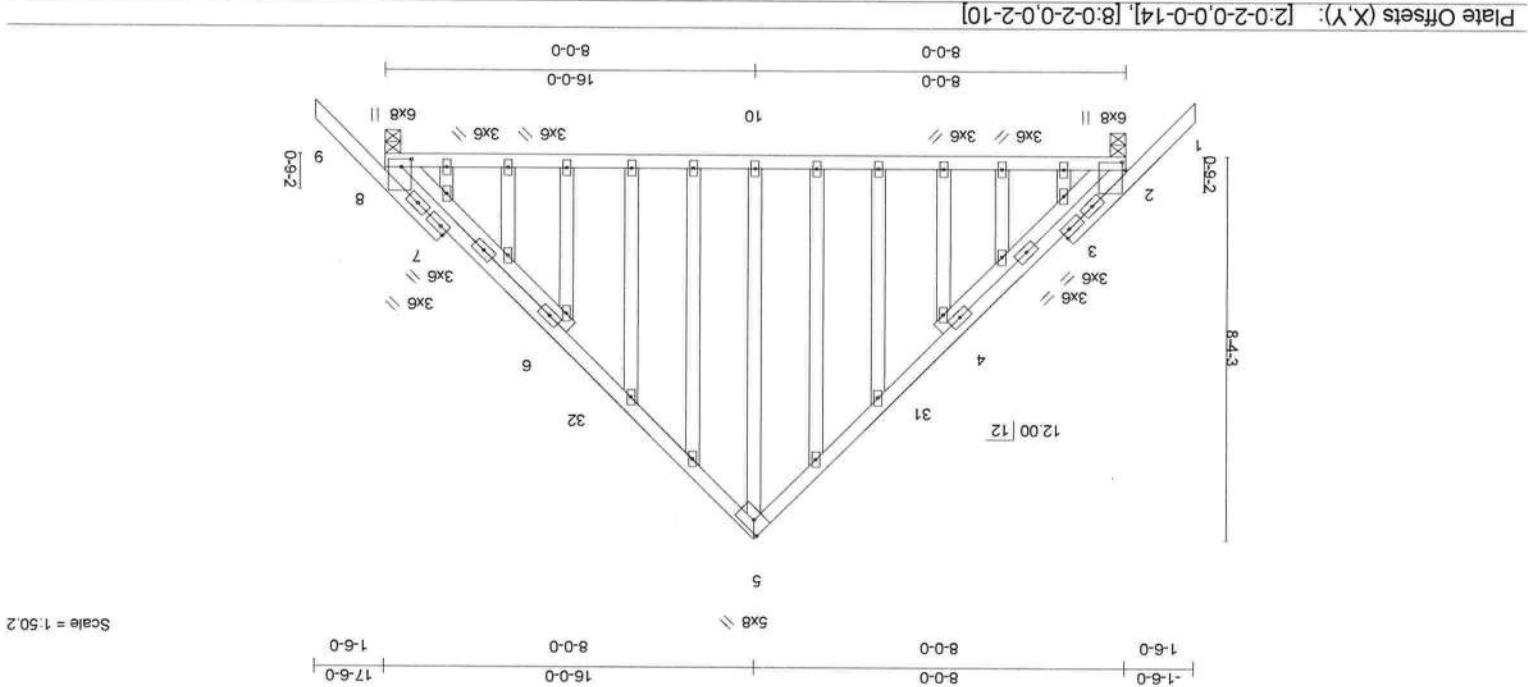
January 28, 2008

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Job	L265361	Truss	T21G	GABLE	Qty	1	Ply	1	JAMES & ERICA COOK / ROOF	J1926998
Job Reference (optional)										

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LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	Weight: 148 lb
TCLL 20.0	Plates Increase 1.25	TC 0.64	Vert(LL) 0.13	2-10	>999	360	MT20	GRIP 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.34	Vert(TL) -0.15	2-10	>999	240		
BCLL 10.0	Rep Stress Incr NO	WB 0.08	Horz(TL) 0.01	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)						

LUMBER	BRACING	TOP CHORD	BOT CHORD
TOP CHORD 2 X 4 SYP No.2	Structural wood sheathing directly applied or 6-0-0		
BOT CHORD 2 X 4 SYP No.2	oc purlins.		
WEBS 2 X 4 SYP No.3	Rigid ceiling directly applied or 10-0-0 oc bracing.		
OTHERS 2 X 4 SYP No.3			
SLIDER Left 2 X 4 SYP No.3 5-0-10, Right 2 X 4 SYP No.3 5-0-10			

REACTIONS	(lb/size)	2=767/0-4-0, 8=767/0-4-0
Max Horz 2=277 (load case 5)		
Max Uplift 2=-381 (load case 6), 8=-381 (load case 7)		

FORCES	(lb) - Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/66, 2-3=-734/296, 3-4=-570/302, 4-31=-568/303, 5-31=-517/296, 5-32=-517/296, 6-32=-568/297, 6-7=-570/296, 7-8=-734/290, 8-9=0/66
BOT CHORD	2-10=-89/402, 8-10=-90/402
WEBS	5-10=-16/251

JOINT STRESS INDEX
2 = 0.78, 2 = 0.05, 2 = 0.05, 2 = 0.00, 3 = 0.13, 3 = 0.13, 4 = 0.00, 5 = 0.73, 6 = 0.00, 7 = 0.00, 7 = 0.13, 7 = 0.13, 8 = 0.78, 8 = 0.05, 8 = 0.05, 8 = 0.00, 10 = 0.19, 11 = 0.00, 12 = 0.00, 13 = 0.00, 14 = 0.00, 15 = 0.00, 16 = 0.00, 16 = 0.00, 17 = 0.00, 18 = 0.00, 18 = 0.00, 19 = 0.00, 20 = 0.00, 21 = 0.00, 22 = 0.00, 23 = 0.00, 24 = 0.00, 24 = 0.00, 25 = 0.00, 26 = 0.00, 26 = 0.00, 27 = 0.00, 28 = 0.00, 28 = 0.00, 29 = 0.00, 30 = 0.00 and 30 = 0.00

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

January 28, 2008

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
L265361	T21G	GABLE	1	1	J1926998

Builders FirstSource, Lake City, FL 32055

6.300 s Apr 19 2006 Mittek Industries, Inc. Tue Jan 15 15:20:00 2008 Page 2

NOTES

- Wind: ASCE 7-02, 110mph (3-second gust); h=20ft; TCFL=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.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Mittek "Standard Gable End Detail"
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable studs spaced at 1'-4" oc.
- All bearings are assumed to be SYP No. 2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 2 and 381 lb uplift at joint 8.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 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: 1-31=-64(F=-10), 5-31=-91(F=-37), 5-32=-91(F=-37), 9-32=-64(F=-10), 2-8=-10

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January 28, 2008

Truss Design Engineer
 Florida PE No. 24868
 1300 Cassel Bay Blvd
 Boynton Beach, FL 33435

Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T22	COMMON	7	1	J1926999
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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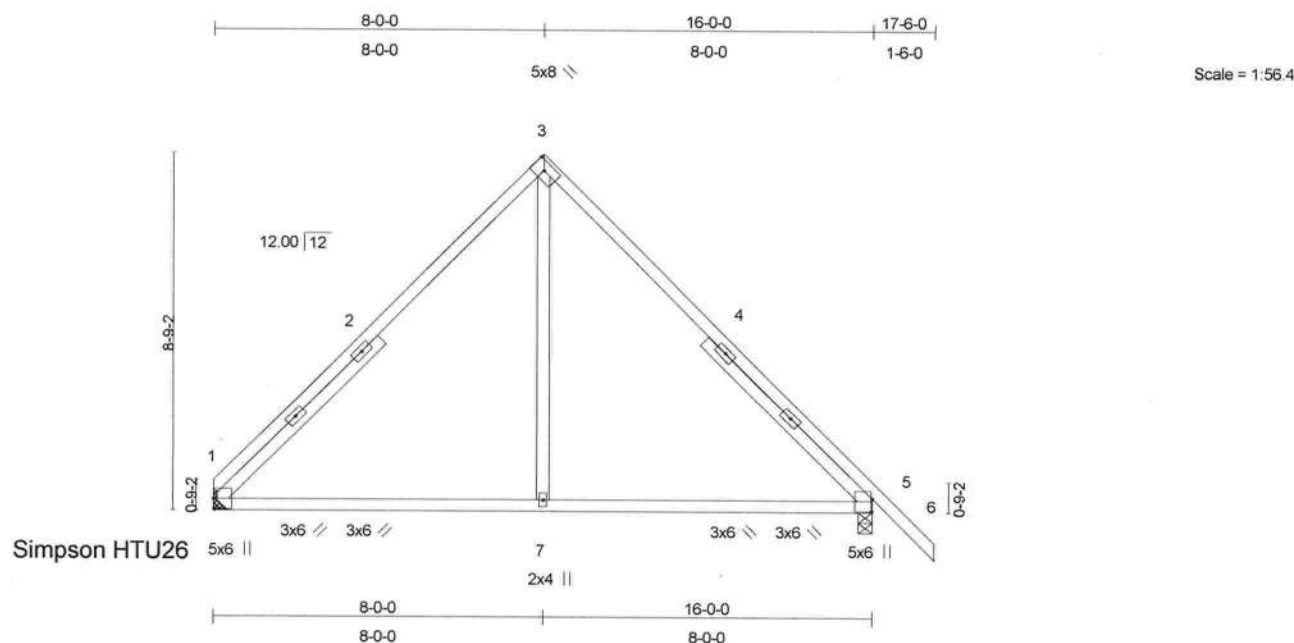


Plate Offsets (X,Y): [1:0-3-0,0-0-2], [5:0-3-11,0-0-2]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.50	Vert(LL)	0.12	1-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.33	Vert(TL)	-0.14	1-7	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.08	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 90 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 5-8-0,
 Right 2 X 4 SYP No.3 5-8-0

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=508/Mechanical, 5=597/0-4-0
 Max Horz 1=-254(load case 4)
 Max Uplift 1=-92(load case 7), 5=-160(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-558/224, 2-3=-404/252, 3-4=-407/258, 4-5=-562/231, 5-6=0/48
 BOT CHORD 1-7=-43/289, 5-7=-43/289
 WEBS 3-7=-15/265

JOINT STRESS INDEX

1 = 0.82, 1 = 0.11, 1 = 0.11, 2 = 0.00, 3 = 0.69, 4 = 0.00, 5 = 0.83, 5 = 0.11, 5 = 0.11 and 7 = 0.19

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; 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.
- *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

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 Truss Design Engineer
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 Boynton Beach, FL 33435

January 28, 2008

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Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T22	COMMON	7	1	J1926999
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.300 s Feb 15 2006 MiTek Industries, Inc. Tue Jan 15 14:30:21 2008 Page 2

NOTES

- 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 92 lb uplift at joint 1 and 160 lb uplift at joint 5.

LOAD CASE(S) Standard

Julius Lee
Truss Design Engineer
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1402 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	T23	SPECIAL	1	1	J1927000
Job Reference (optional)					

Builders FirstSource, Lake City, FL 32055

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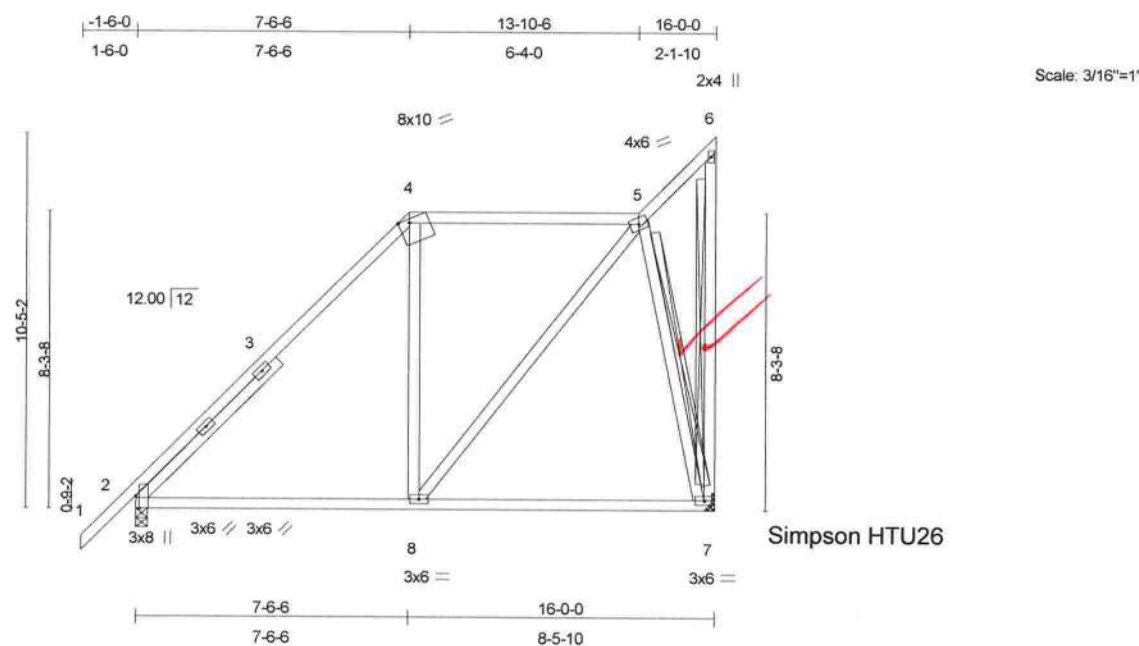


Plate Offsets (X,Y): [2:0-4-3,Edge], [4:0-3-11,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	0.10	2-8	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.30	Vert(TL)	-0.15	7-8	>999	240		
BCLL 10.0	* Rep Stress Incr	YES	WB 0.59	Horz(TL)	0.01	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 118 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 5-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 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=504/Mechanical, 2=592/0-4-0
 Max Horz 2=374(load case 6)
 Max Uplift 7=-235(load case 6), 2=-109(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-555/44, 3-4=-405/68, 4-5=-286/201, 5-6=-77/44, 6-7=-67/55
 BOT CHORD 2-8=-291/287, 7-8=-87/120
 WEBS 4-8=-110/280, 5-8=-327/270, 5-7=-485/369

JOINT STRESS INDEX
 2 = 0.86, 2 = 0.11, 2 = 0.11, 3 = 0.00, 4 = 0.74, 5 = 0.87, 6 = 0.28, 7 = 0.47 and 8 = 0.19

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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	T23	SPECIAL	1	1	J1927000
					Job Reference (optional)

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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) Provide adequate drainage to prevent water ponding.
- 3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All 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 235 lb uplift at joint 7 and 109 lb uplift at joint 2.

LOAD CASE(S) Standard

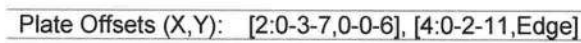
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January 28, 2008

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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: 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. 2 X 4 SYP No.3 - 6-7

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January 28, 2008



Builders
FirstSource

Job	Truss	Truss Type	Qty	Ply	JAMES & ERICA COOK / ROOF
L265361	T24	SPECIAL	1	1	J1927001
					Job Reference (optional)

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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) Provide adequate drainage to prevent water ponding.
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- 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 235 lb uplift at joint 7 and 109 lb uplift at joint 2.

LOAD CASE(S) Standard

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January 28, 2008

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