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Licensee Details

Licensee Information

Name: **JOHNSTON, JAMES H III (Primary Name)**
INDIVIDUAL (DBA Name)
Main Address: **650 SOUTHWEST MAIN BOULEVARD**
LAKE CITY Florida 32024
County: **COLUMBIA**

License Mailing:

License Location: **RT #15 BOX 3693**
LAKE CITY FL 32024
County: **COLUMBIA**

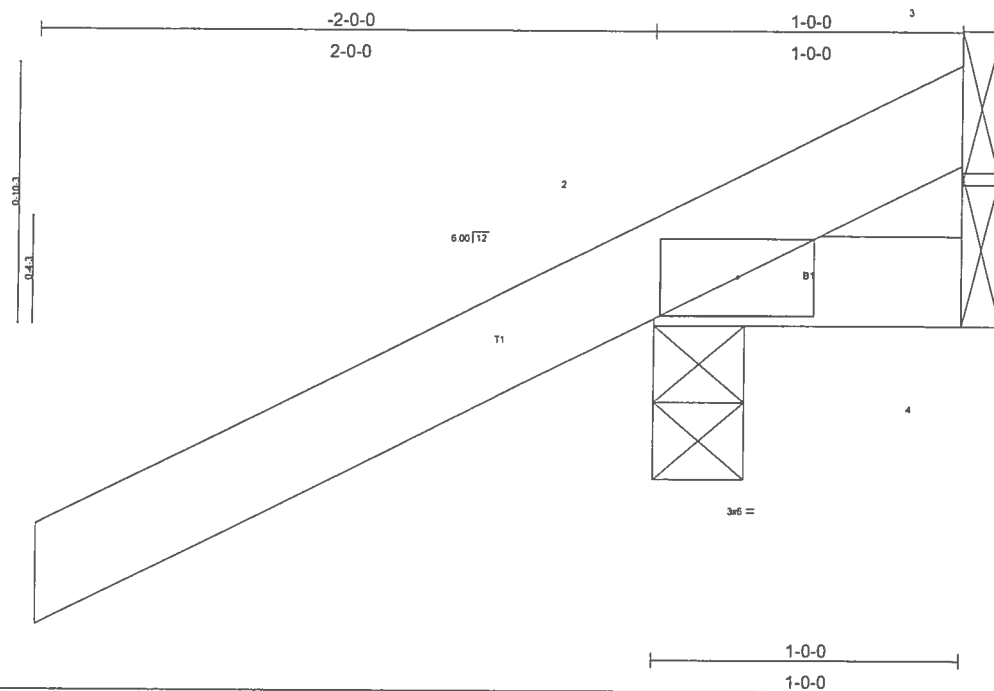
License Information

License Type: **Registered Roofing Contractor**
Rank: **Reg Roofing**
License Number: **RC0067161**
Status: **Current,Inactive**
Licensure Date: **08/27/1998**
Expires: **08/31/2005**

Special Qualifications **Qualification Effective**
Bldg Code Core Course Credit
No Qualified Business License Required **02/20/2004**

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Job L152713	Truss CJ1	Truss Type MONO TRUSS	Qty 16	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:44 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(TL)	-0.00	2	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 5)
Max Uplift 2=-286(load case 5), 4=-9(load case 3), 3=-90(load case 1)
Max Grav 2=266(load case 1), 4=14(load case 1), 3=127(load case 5)

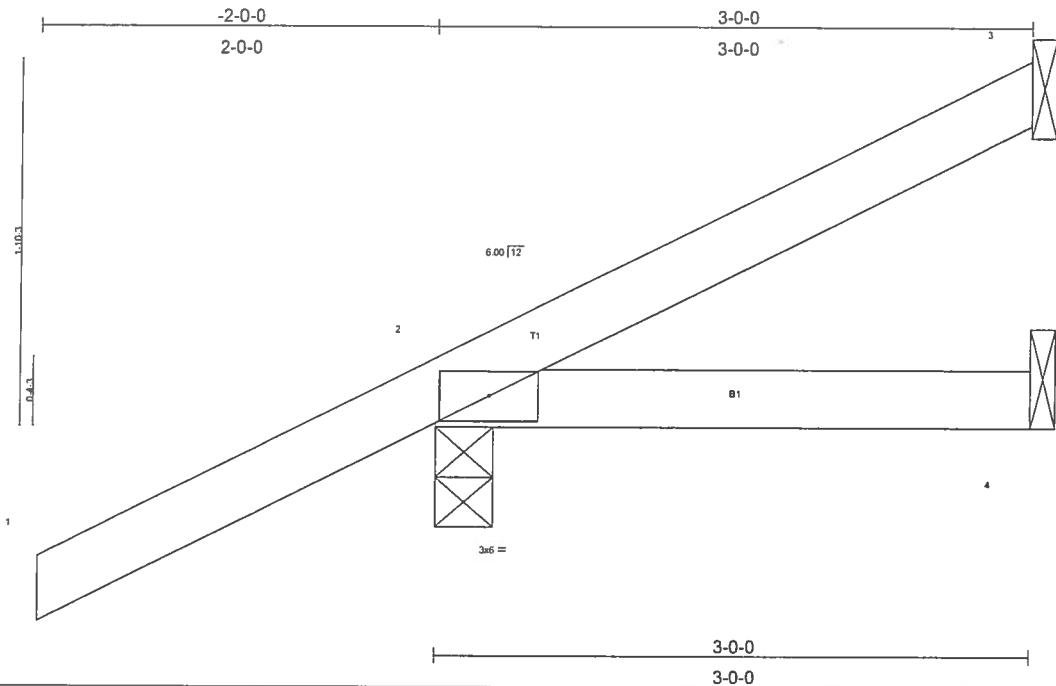
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	CJ3	MONO TRUSS	14	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:45 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.08	Vert(TL)	0.01	2-4	>999	180		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
 Max Horz 2=132(load case 5)
 Max Uplift 3=-28(load case 6), 2=-238(load case 5), 4=-27(load case 3)

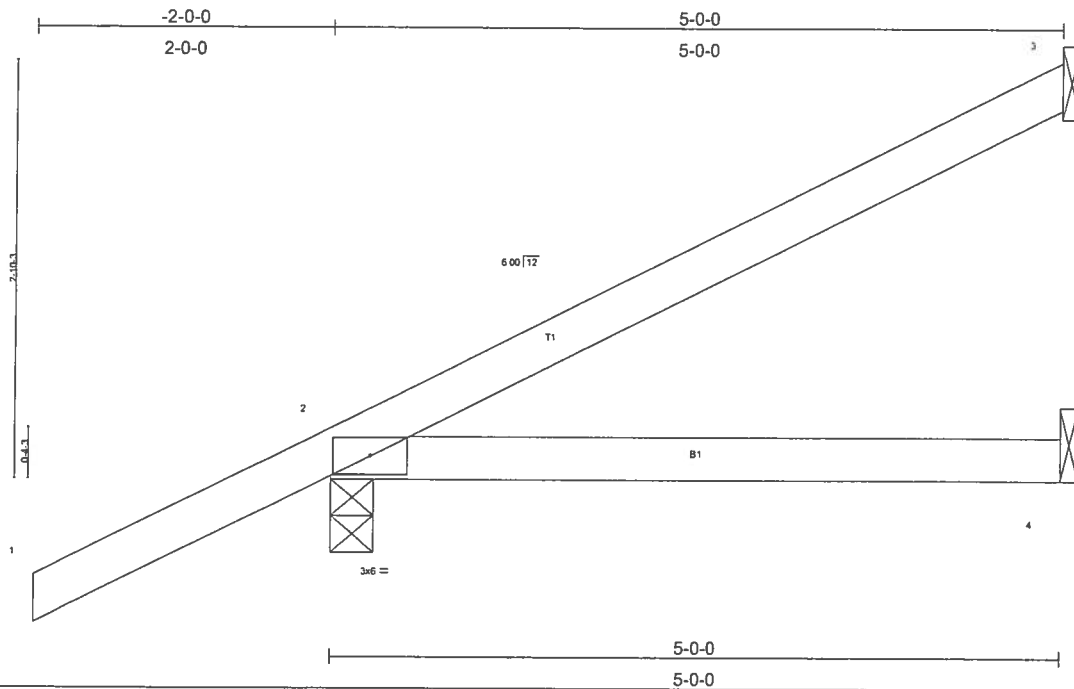
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-57/7
 BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	CJ5	MONO TRUSS	12	1	
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:45 2006 Page 1



LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.29	Vert(LL) 0.09	2-4	>663	240		MT20	244/190
TCDL 7.0		Lumber Increase 1.25	BC 0.24	Vert(TL) 0.07	2-4	>774	180			
BCLL 10.0		Rep Stress incr YES	WB 0.00	Horz(TL) -0.00	3	n/a	n/a			
BCDL 5.0		Code FBC2004/TPI2002	(Matrix)							Weight: 19 lb

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift 3=87(load case 5), 2=260(load case 5), 4=46(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

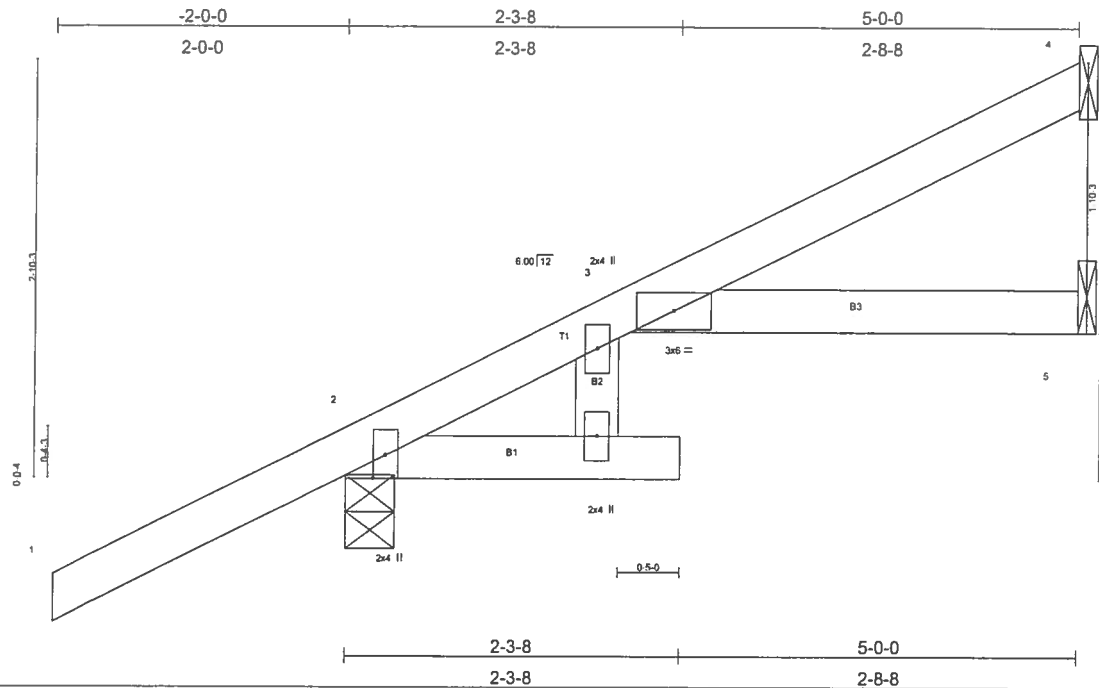
NOTES

- 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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	CJ5A	SPECIAL	4	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:46 2006 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 0.32	Vert(LL) 0.04 3	>999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL) -0.07 3	>870 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.03 5	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

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) 4=120/Mechanical, 2=319/0-4-0, 5=45/Mechanical
Max Horz 2=180(load case 5)
Max Uplift 4=-74(load case 5), 2=-208(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-88/0, 3-4=-70/47
BOT CHORD 3-5=0/0

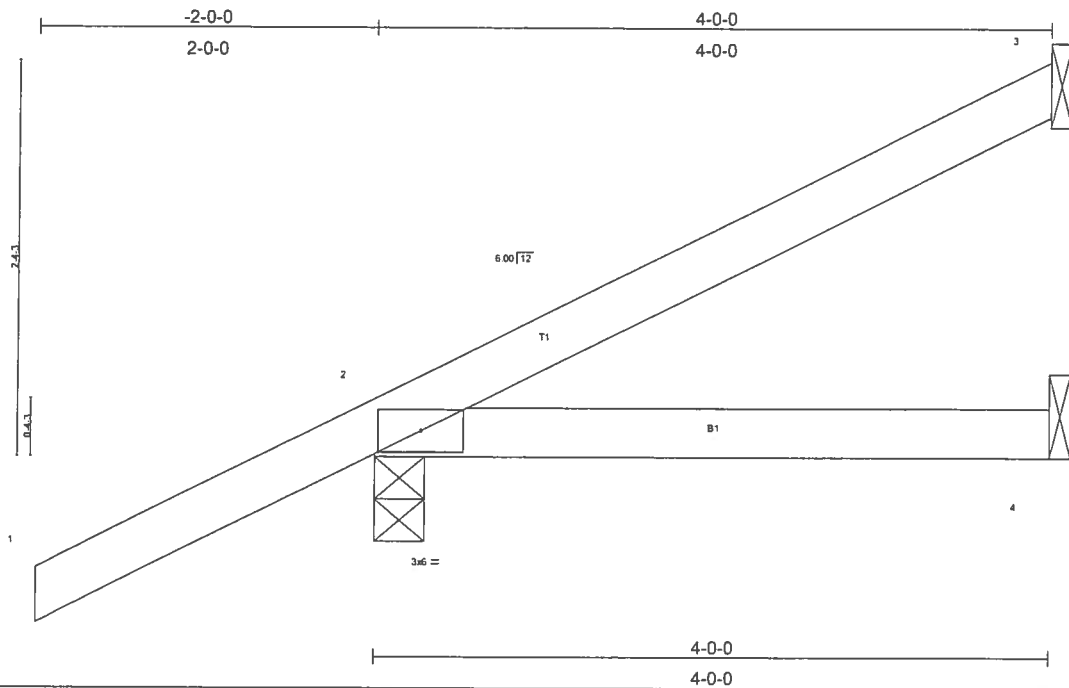
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 74 lb uplift at joint 4 and 208 lb uplift at joint 2.
- 4) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	EJ4	MONO TRUSS	1	1	
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)
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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vert(LL) 0.03 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.15	Vert(TL) 0.03 2-4 >999 180		
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: 16 lb

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

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

REACTIONS (lb/size) 3=70/Mechanical, 2=308/0-3-8, 4=57/Mechanical
Max Horz 2=155(load case 5)
Max Uplift3=-54(load case 5), 2=-246(load case 5), 4=-36(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-63/23
 BOT CHORD 2-4=0/0

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=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.

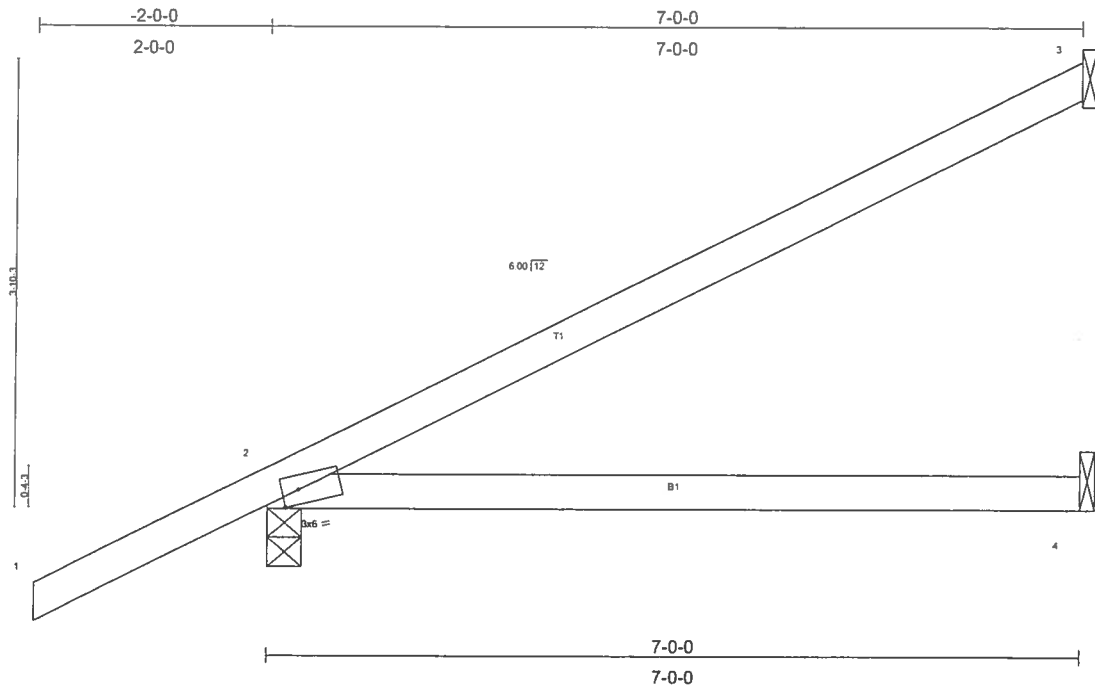
2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 3, 246 lb uplift at joint 2 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	EJ7	MONO TRUSS	20	1	
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:47 2006 Page 1



Scale = 1:18.9

Plate Offsets (X,Y): [2:0-1-12.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)	-0.12 2-4	>664	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.35	Vert(TL)	-0.21 2-4	>397	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.00 3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)					Weight: 26 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=-134(load case 5), 2=-210(load case 5)

FORCES

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/58
BOT CHORD 2-4=0/0

NOTES

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

2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	EJ7A	SPECIAL	4	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:48 2006 Page 1		

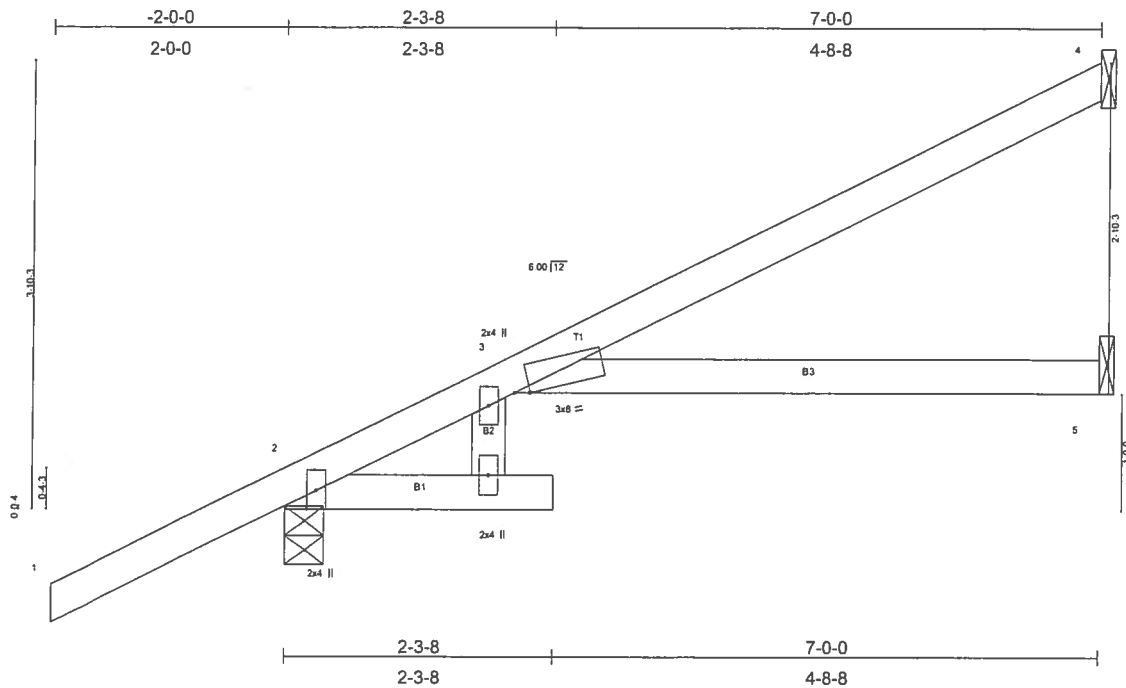


Plate Offsets (X,Y): [3:0-1-9,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.45	Vert(LL)	0.15	3-5	>557	240	
TCDL 7.0	Lumber Increase	1.25	BC 0.38	Vert(TL)	-0.23	3-5	>353	180	
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.09	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

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=149/Mechanical, 2=393/0-4-0, 5=110/Mechanical
Max Horz 2=226(load case 5)
Max Uplift 4=-110(load case 5), 2=-217(load case 5), 5=-9(load case 5)

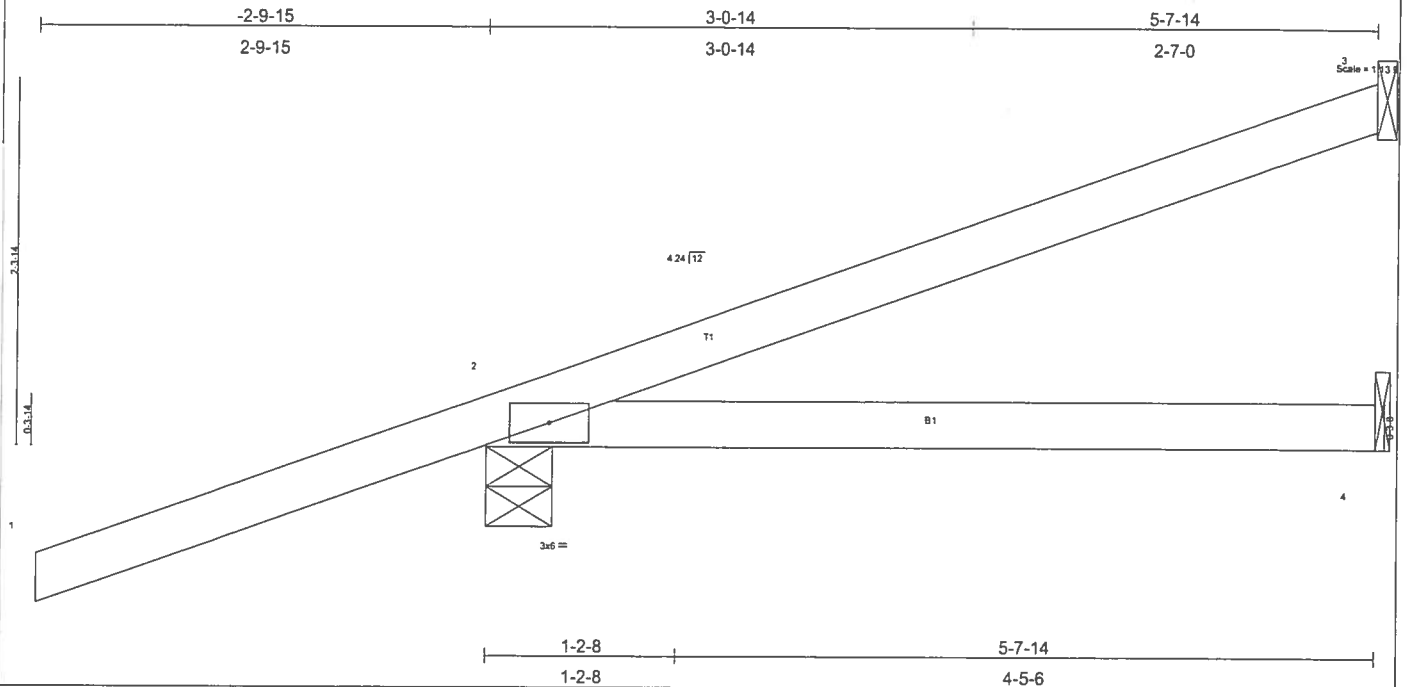
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-132/0, 3-4=-95/55
BOT CHORD 3-5=0/0

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; 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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 4, 217 lb uplift at joint 2 and 9 lb uplift at joint 5.
- 4) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	HJ5	MONO TRUSS	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:48 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.53	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.17	Vert(LL) 0.06 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.06 2-4 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TP12002			Weight: 22 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-7-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=94/Mechanical, 2=322/0-4-15, 4=76/Mechanical
 Max Horz 2=128(load case 2)
 Max Uplift 3=-60(load case 2), 2=-312(load case 2), 4=-52(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-42/19
 BOT CHORD 2-4=0/0

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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 3, 312 lb uplift at joint 2 and 52 lb uplift at joint 4.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

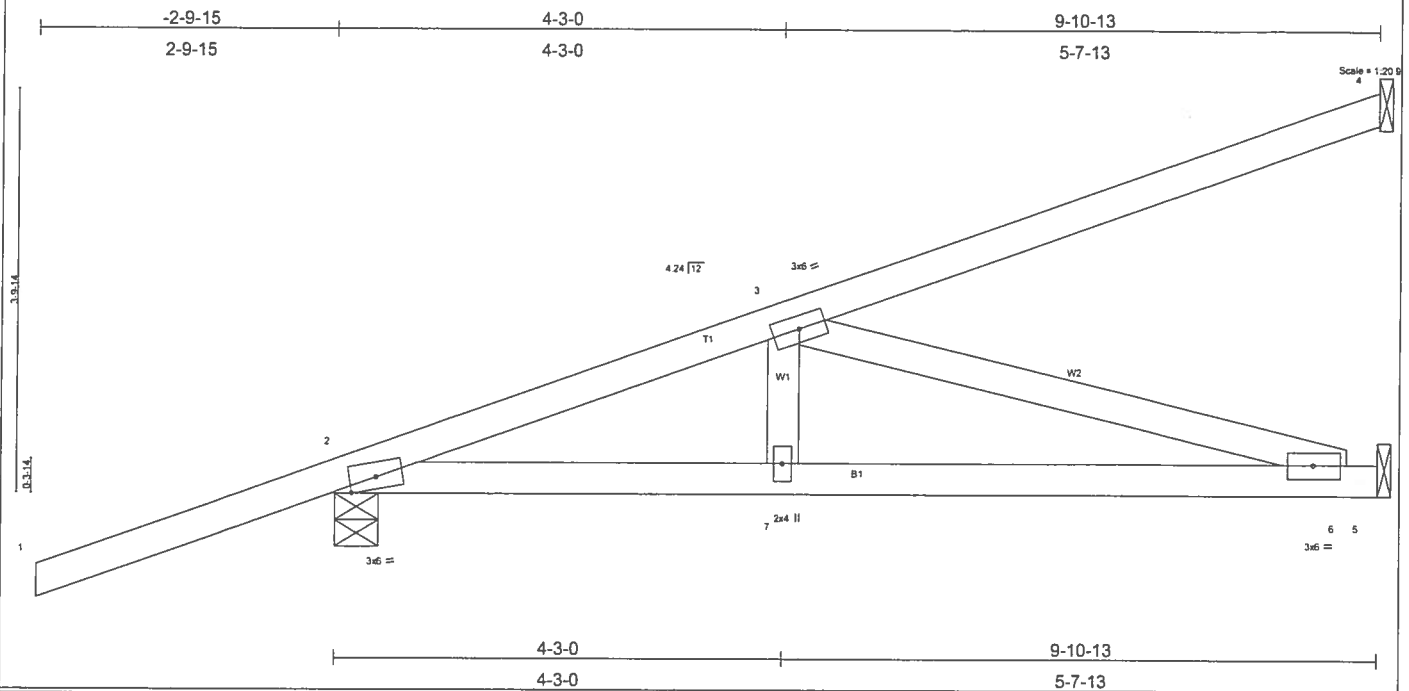
Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-76(F=-11, B=-11), 2=-0(F=15, B=15)-to-4=-42(F=-6, B=-6)

Job L152713	Truss HJ9	Truss Type MONO TRUSS	Qty 6	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:49 2006 Page 1		



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.57	Vert(TL)	-0.17	6-7	>686	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.49	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 45 lb	

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

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

REACTIONS (lb/size) 4=269/Mechanical, 2=532/0-4-15, 5=377/Mechanical
 Max Horz 2=269(load case 2)
 Max Uplift 4=-231(load case 2), 2=-278(load case 2), 5=-63(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-889/121, 3-4=-105/66
 BOT CHORD 2-7=-309/824, 6-7=-309/824, 5-6=0/0
 WEBS 3-7=0/180, 3-6=-857/321

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 278 lb uplift at joint 2 and 63 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-3(F=26, B=26)-to-4=-134(F=40, B=40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	HJ9A	SPECIAL	1	1	
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)
6:200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:49 2006 Page 1					

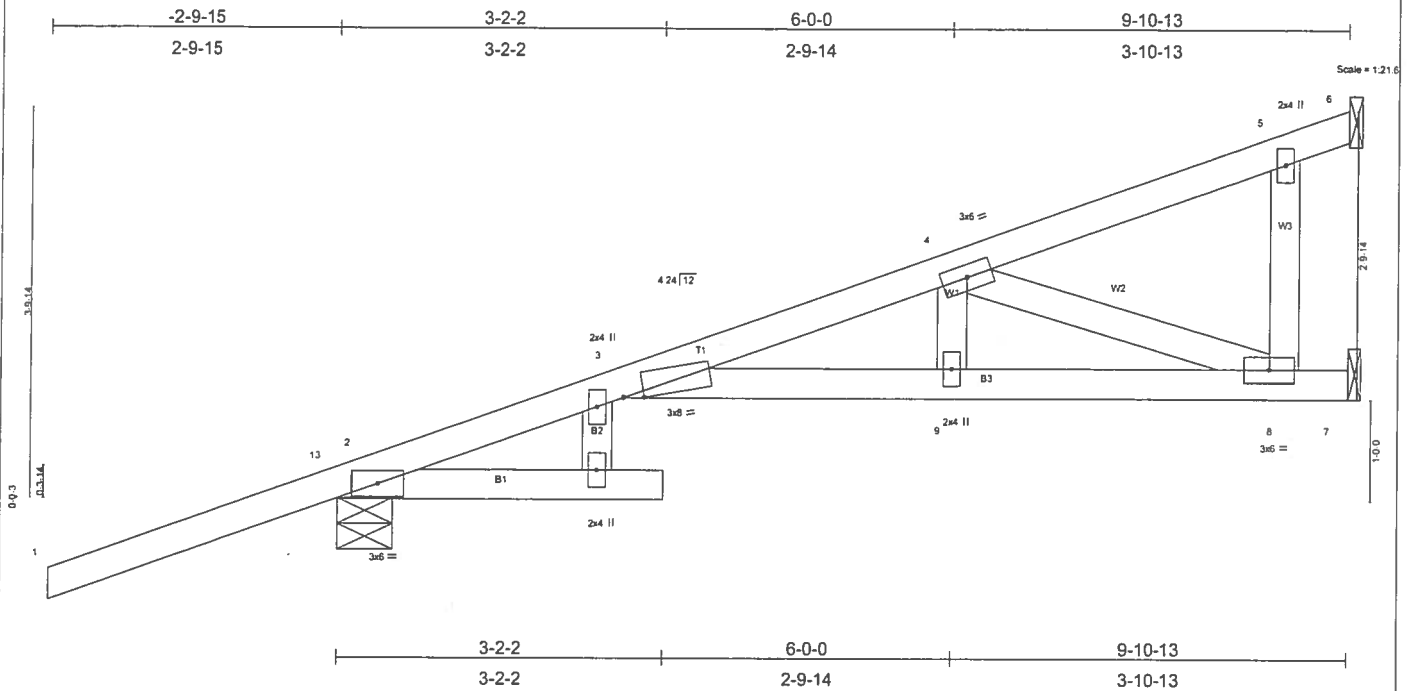


Plate Offsets (X,Y): [3:0-2-7,0-0-6]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d		PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.91	Vert(LL)	-0.19 3-9 >613	240	MT20 244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.32 3-9 >354	180	
BCLL	10.0	Rep Stress Incr	NO	WB	0.32	Horz(TL)	0.12 7 n/a n/a		
BCDL	5.0	Code FBC2004/TPJ2002		(Matrix)					Weight: 46 lb

LUMBER
TOP CHORD 2 X 4 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 5-1-9 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 8-8-13 oc bracing.

REACTIONS (lb/size) 6=303/Mechanical, 2=532/0-6-6, 7=337/Mechanical
Max Horz 2=270(load case 2)
Max Uplift6=93(load case 2), 2=-270(load case 2), 7=-192(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-13=0/51, 2-13=0/51, 2-3=-157/0, 3-4=-1292/326, 4-5=-85/15, 5-6=-35/98
BOT CHORD 3-9=-481/1236, 8-9=-481/1236, 7-8=0/0
WEBS 4-9=-34/367, 4-8=-1309/510, 5-8=0/144

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 6, 270 lb uplift at joint 2 and 192 lb uplift at joint 7.
- 4) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
- 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: $1-13=-54$

Trapezoidal Loads (plf)

Vert: 13= $0(F=27, B=27)$ -to-2= $5(F=25, B=25)$, 2= $15(F=25, B=25)$ -to-3= $48(F=8, B=8)$, 3= $38(F=8, B=8)$ -to-6= $134(F=40, B=40)$, 3= $21(F=4, B=4)$ -to-7= $74(F=22, B=22)$

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job L152713	Truss T01	Truss Type HIP	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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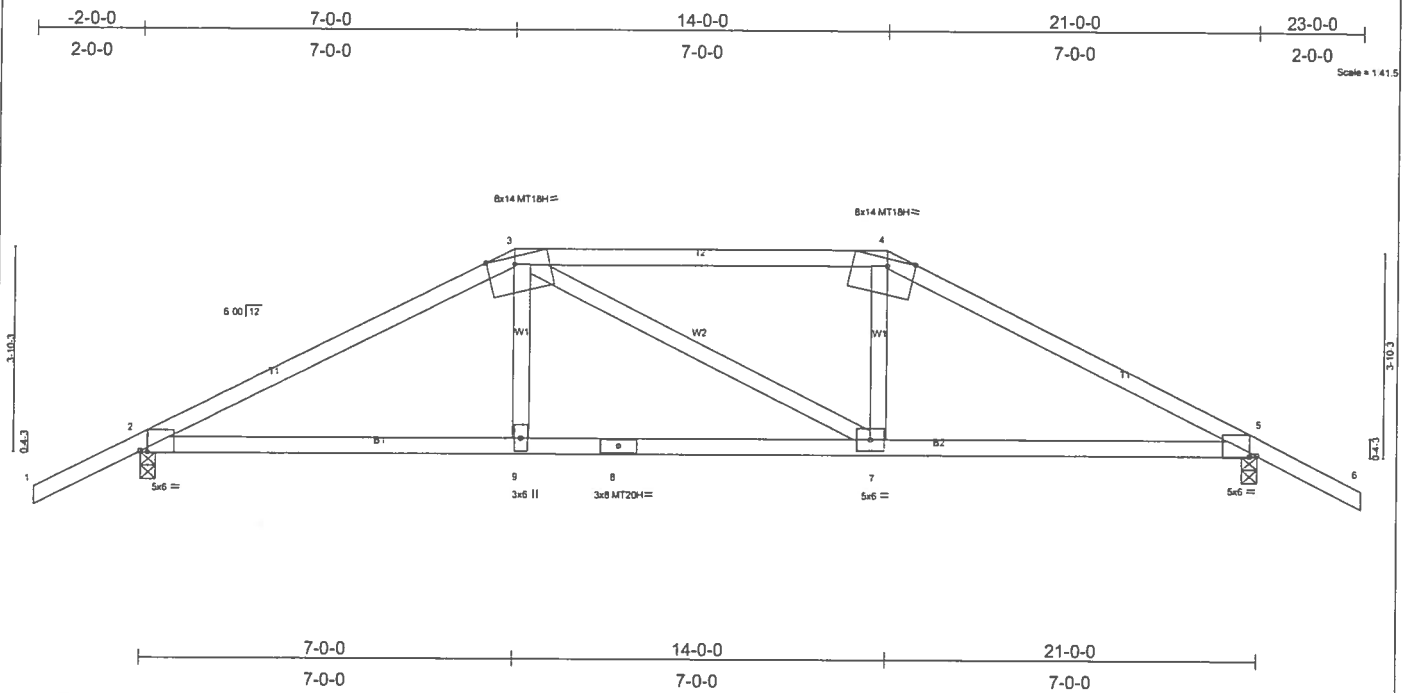


Plate Offsets (X,Y): [2:0-1-11,Edge], [3:0-6-3,Edge], [4:0-6-3,Edge], [5:0-1-11,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.91	Vert(LL)	-0.23	7-9	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.83	Vert(TL)	-0.38	7-9	>646	180	MT20H	187/143
BCLL 10.0	Rep Stress Incr	NO	WB 0.30	Horz(TL)	0.10	5	n/a	n/a	MT18H	244/190
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

BRACING

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

REACTIONS

(lb/size) 2=1866/0-3-8, 5=1866/0-3-8
 Max Horz 2=87(load case 5)
 Max Uplift 2=-842(load case 4), 5=-842(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=3378/1360, 3-4=2979/1293, 4-5=3379/1360, 5-6=0/47
 BOT CHORD 2-9=-1173/2942, 8-9=-1181/2978, 7-8=-1181/2978, 5-7=-1132/2943
 WEBS 3-9=-209/885, 3-7=-126/129, 4-7=-228/931

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 gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 842 lb uplift at joint 2 and 842 lb uplift at joint 5.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 14-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-9=-30, 7-9=-65(F=-35), 5-7=-30
 Concentrated Loads (lb)
 Vert: 9=-539(F) 7=-539(F)

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T02	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Feb 23 15:09:50 2006 Page 1		

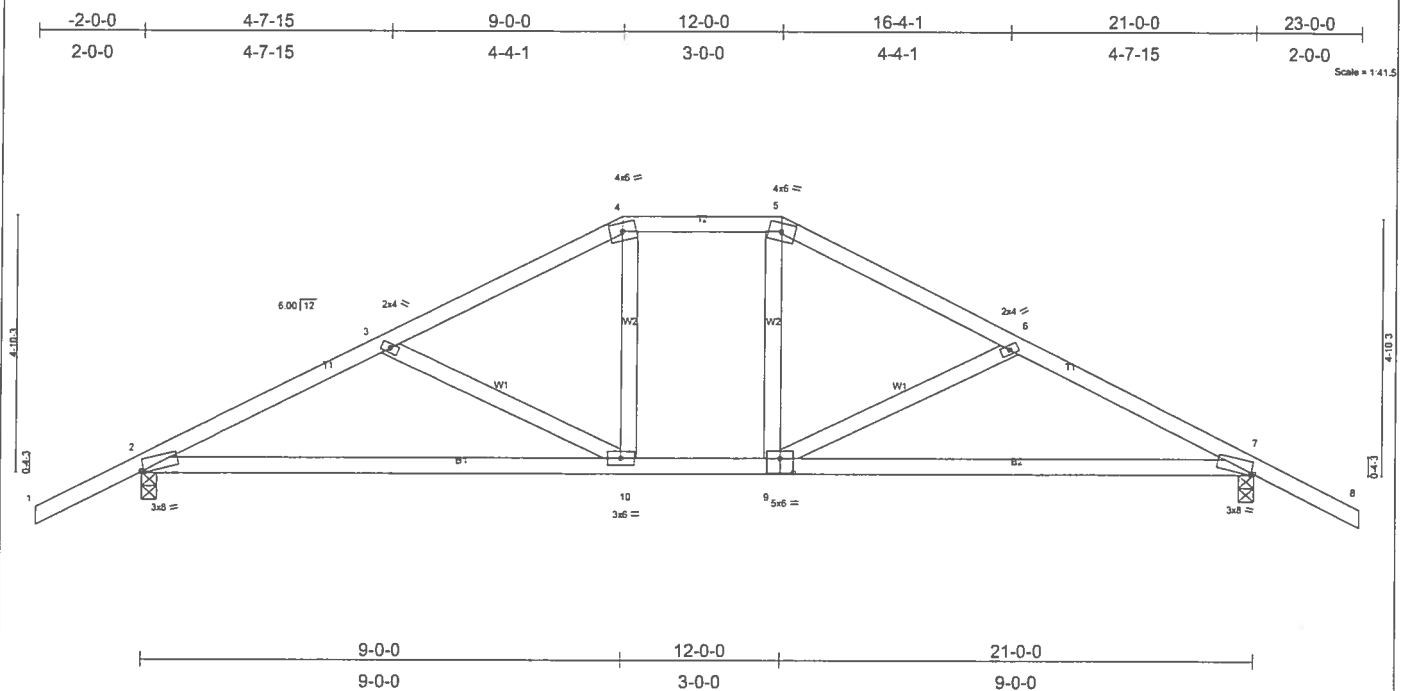


Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge], [9:0-3-0,0-3-4]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.54	Vert(LL) -0.21 2-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.15	Vert(TL) -0.33 2-10 >761 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 100 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 5-0-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

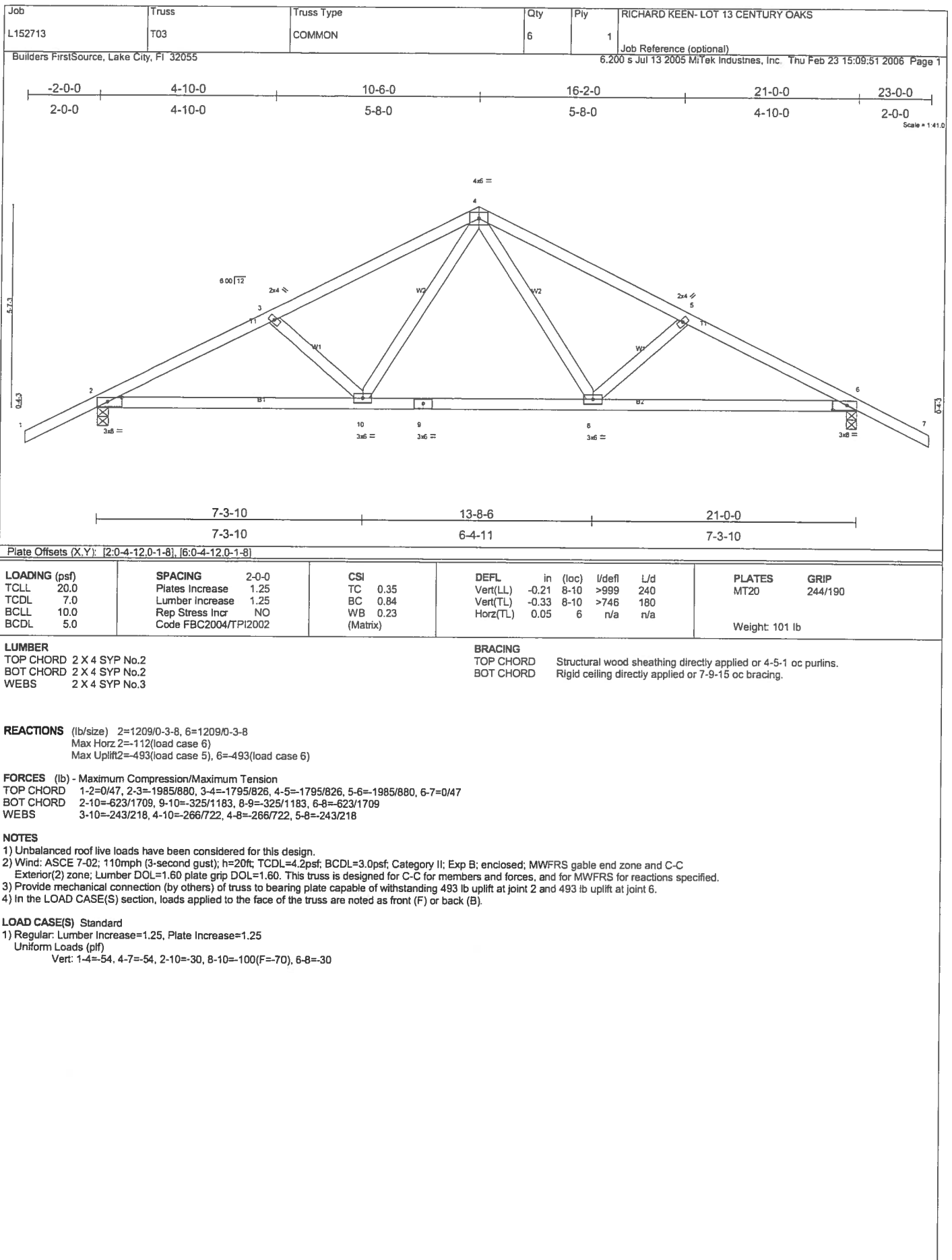
REACTIONS (lb/size) 2=986/0-3-8, 7=986/0-3-8
 Max Horz 2=101(load case 5)
 Max Uplift 2=400(load case 5), 7=400(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1423/604, 3-4=-1156/484, 4-5=-990/485, 5-6=-1156/484, 6-7=-1423/604, 7-8=0/47
 BOT CHORD 2-10=-378/1235, 9-10=-176/990, 7-9=-378/1235
 WEBS 3-10=-319/227, 4-10=-58/299, 5-9=-58/299, 6-9=-319/227

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; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 400 lb uplift at joint 2 and 400 lb uplift at joint 7.

LOAD CASE(S) Standard



Job L152713	Truss T04	Truss Type HIP	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
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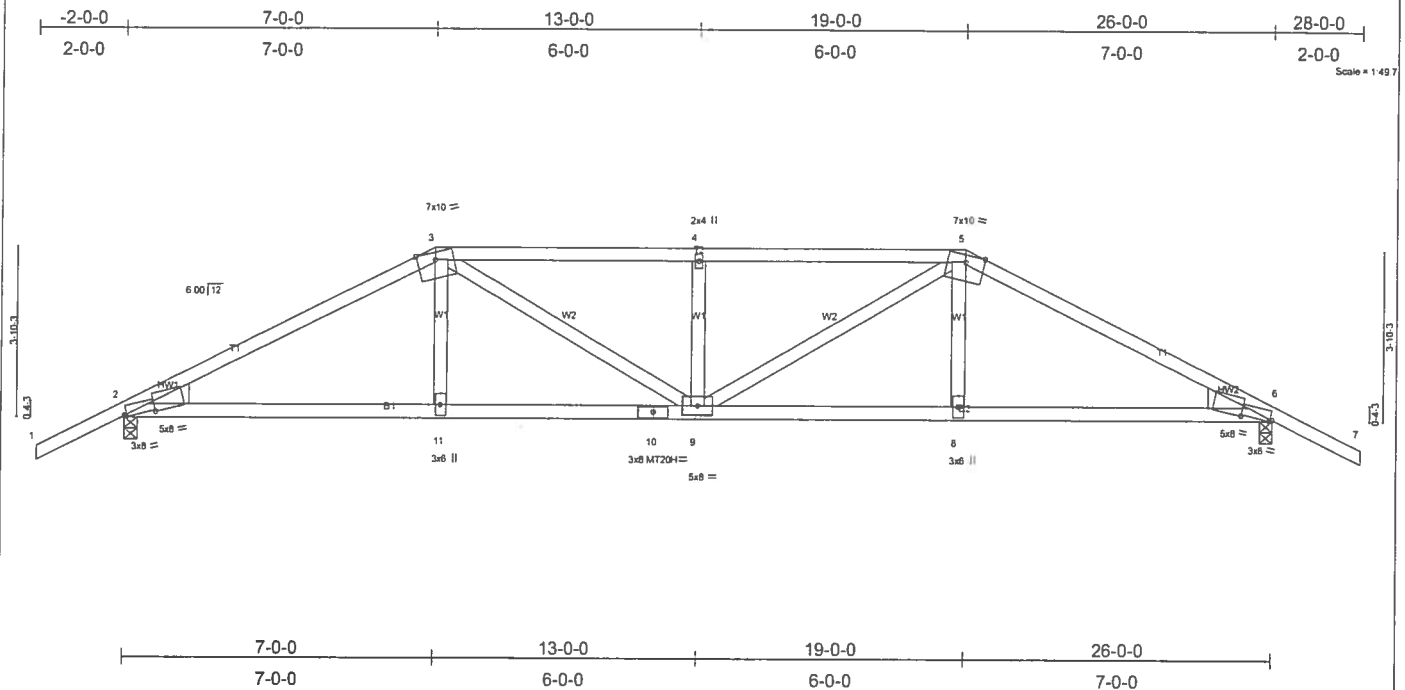


Plate Offsets (X,Y): [2-0-0-10,Edge], [2-0-8-10,0-0-13], [6-0-0-10,Edge], [6-0-8-10,0-0-13]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.83	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.96	Vert(LL) -0.31 9-11 >999 240	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.47	Vert(TL) -0.50 8-9 >619 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.16 6 n/a n/a		
	Code FBC2004/TPI2002				Weight: 125 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 6 SYP No.1D, Right: 2 X 6 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-2-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-0-14 oc bracing.

REACTIONS

(lb/size) 2=2323/0-3-8, 6=2323/0-3-8
Max Horz 2=87(load case 4)
Max Uplift 2=-1016(load case 4), 6=-1016(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-4337/1785, 3-4=-4760/2069, 4-5=-4760/2069, 5-6=-4337/1785, 6-7=0/47
BOT CHORD 2-11=-1551/3787, 10-11=-1560/3822, 9-10=-1560/3822, 8-9=-1518/3822, 6-8=-1510/3787
WEBS 3-11=-220/848, 3-9=-591/1198, 4-9=-742/630, 5-9=-591/1198, 5-8=-220/848

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 gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1016 lb uplift at joint 2 and 1016 lb uplift at joint 6.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 19-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

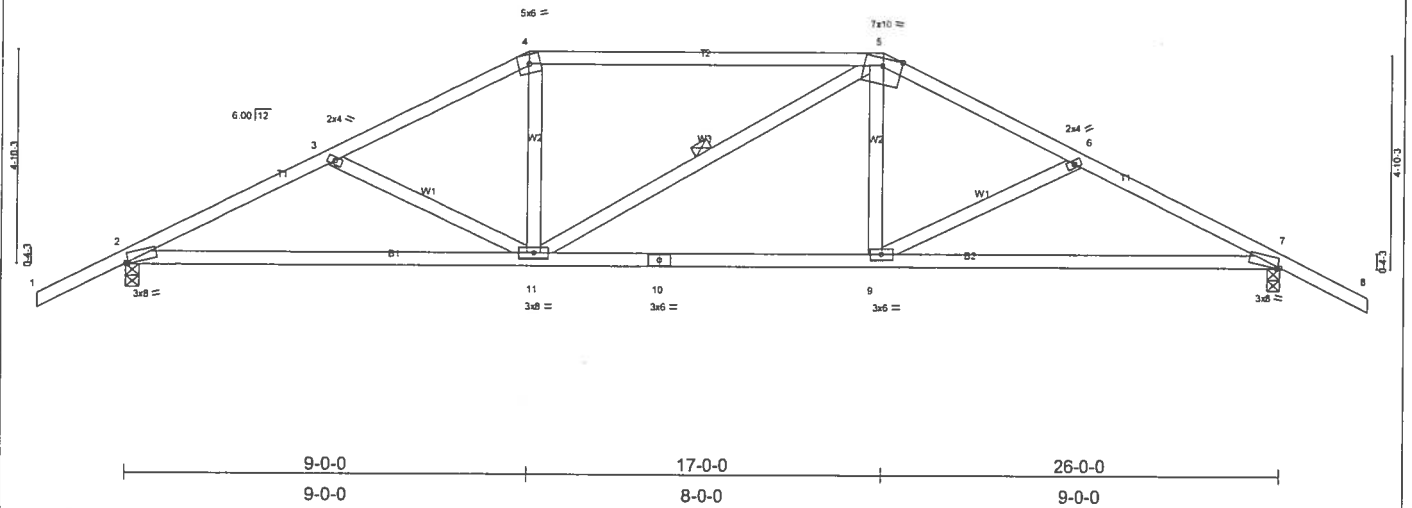
LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert 1-3=-54, 3-5=-118(F=-64), 5-7=-54, 2-11=-30, 8-11=-65(F=-35), 6-8=-30
Concentrated Loads (lb)
Vert 11=-539(F) 8=-539(F)

Job L152713	Truss T05	Truss Type HIP	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:52 2006 Page 1

-2-0-0	4-7-15	9-0-0	17-0-0	21-4-1	26-0-0	28-0-0
2-0-0	4-7-15	4-4-1	8-0-0	4-4-1	4-7-15	2-0-0

Scale = 1/4" = 1'-0"



LOADING (psf)		SPACING		CSI		DEFL		PLATES		GRIP	
TCLL	20.0	2-0-0		TC	0.45	in	(loc)	l/defl	L/d	MT20	244/190
TCDL	7.0	Plates Increase	1.25	BC	0.51	Vert(LL)	-0.18	7-9	>999		
BCLL	10.0	Lumber Increase	1.25	WB	0.11	Vert(TL)	-0.30	7-9	>999		
BCDL	5.0	Rep Stress Incr	YES	(Matrix)		Horz(TL)	0.07	7	n/a		
		Code FBC2004/TPI2002								Weight: 128 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 4-4-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.
 WEBS 1 Row at midpt 5-11

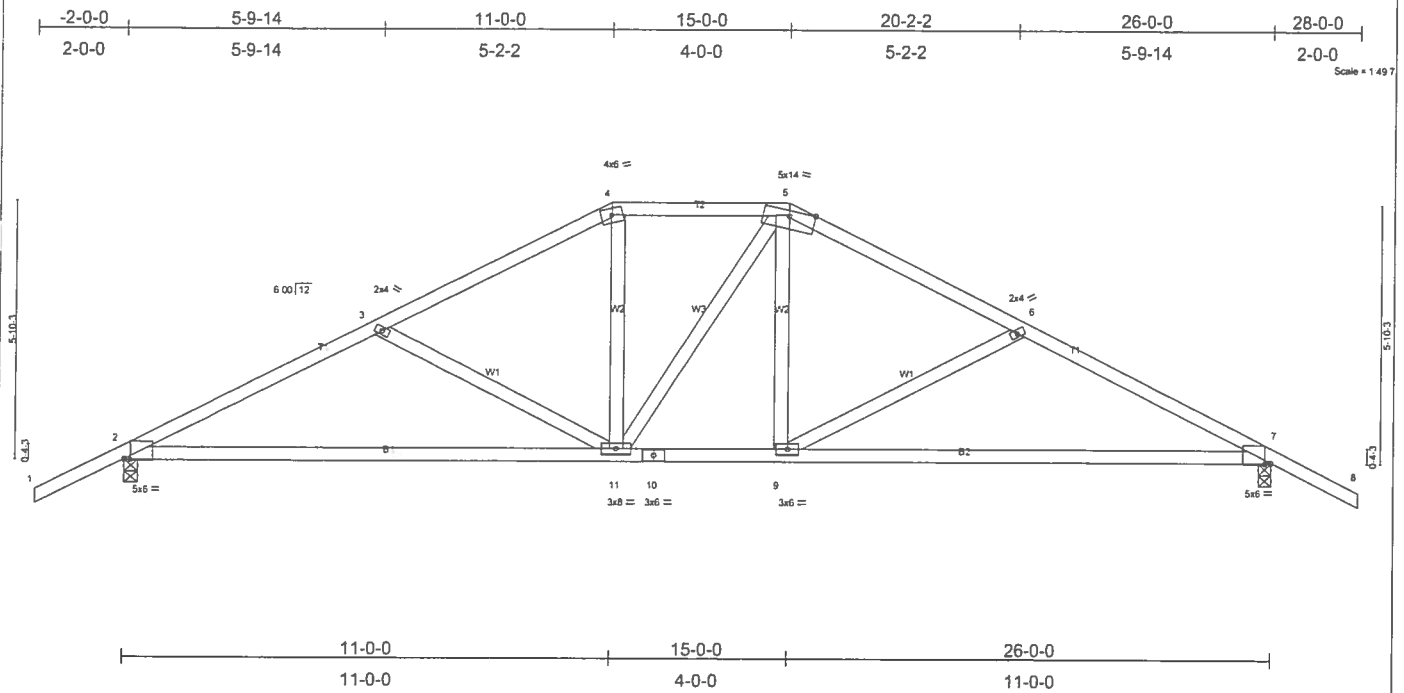
REACTIONS (lb/size) 2=1196/0-3-8, 7=1196/0-3-8
 Max Horz 2=101(load case 5)
 Max Uplift 2=449(load case 5), 7=449(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1857/767, 3-4=-1641/677, 4-5=-1445/669, 5-6=-1641/678, 6-7=-1857/767, 7-8=0/47
 BOT CHORD 2-11=-520/1612, 10-11=-360/1444, 9-10=-360/1444, 7-9=-520/1612
 WEBS 3-11=-200/183, 4-11=-25/342, 5-11=-122/123, 5-9=-25/342, 6-9=-200/183

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; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 2 and 449 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L152713	Truss T06	Truss Type HIP	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:53 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.40	Vert(LL)	-0.36	7-9	>848	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.65	Vert(TL)	-0.63	7-9	>492	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.24	Horz(TL)	0.06	7	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 131 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 4-1-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-6-15 oc bracing.

REACTIONS (lb/size) 2=1196/0-3-8, 7=1196/0-3-8
 Max Horz 2=115(load case 5)
 Max Uplift 2=464(load case 5), 7=464(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1802/787, 3-4=-1468/634, 4-5=-1258/627, 5-6=-1467/634, 6-7=-1802/787, 7-8=0/47
 BOT CHORD 2-11=530/1570, 10-11=-266/1256, 9-10=-266/1256, 7-9=-530/1570
 WEBS 3-11=-365/300, 4-11=-92/390, 5-11=-126/129, 5-9=-92/391, 6-9=-366/300

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 464 lb uplift at joint 2 and 464 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T07	COMMON	2	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mittek Industries, Inc. Thu Feb 23 15:09:53 2006 Page 1		

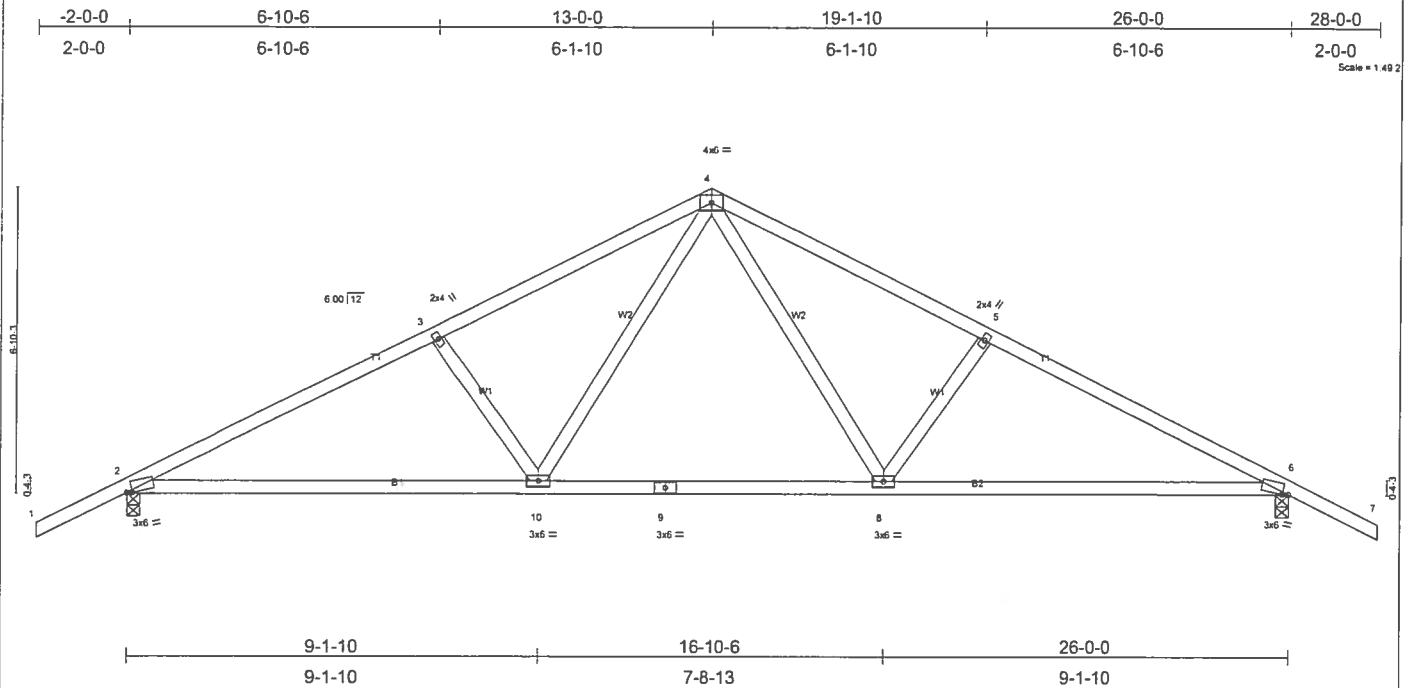


Plate Offsets (X,Y): [2-0-1-9,0-0-7], [6-0-1-9,0-0-7]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.52	Vert(LL) -0.21 2-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.24	Vert(TL) -0.35 2-10 >879 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 6 n/a n/a		
	Code FBC2004/TP12002			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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-10-12 oc bracing.

REACTIONS (lb/size) 2=1196/0-3-8, 6=1196/0-3-8
 Max Horz 2=129(load case 5)
 Max Uplift 2=476(load case 5), 6=476(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1805/769, 3-4=-1614/753, 4-5=-1614/753, 5-6=-1805/769, 6-7=0/47
 BOT CHORD 2-10=-503/1555, 9-10=-214/1061, 8-9=-214/1061, 6-8=-503/1555
 WEBS 3-10=-340/304, 4-10=-231/631, 4-8=-231/631, 5-8=-340/304

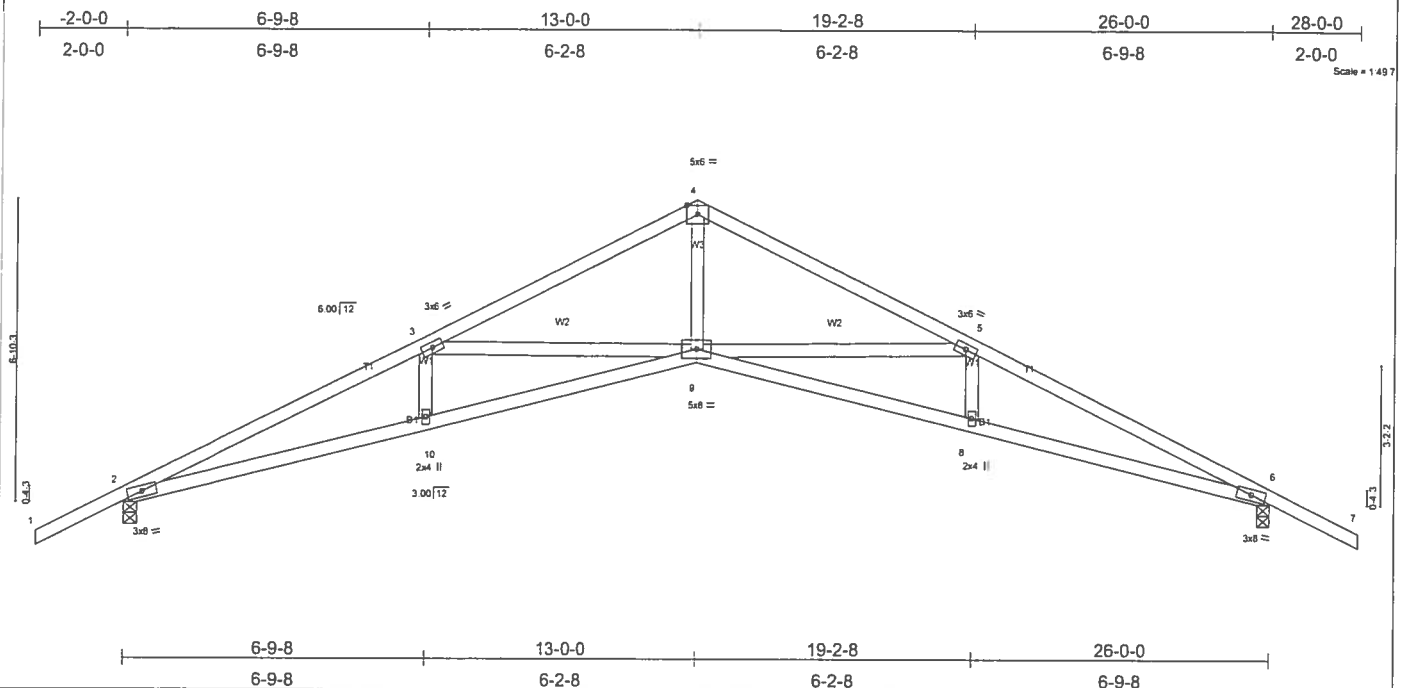
NOTES

- 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; 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 476 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L152713	Truss T08	Truss Type SCISSOR	Qty 6	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:54 2006 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.36	9-10	>847	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.69	Vert(TL)	-0.59	9-10	>526	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.65	Horz(TL)	0.42	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 117 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 2-11-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-5-4 oc bracing.

REACTIONS (lb/size) 2=1196/0-3-8, 6=1196/0-3-8
 Max Horz 2=128(load case 5)
 Max Uplift 2=476(load case 5), 6=476(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=3456/1240, 3-4=2435/844, 4-5=2435/844, 5-6=3456/1240, 6-7=0/46
 BOT CHORD 2-10=953/3111, 9-10=955/3109, 8-9=955/3109, 6-8=953/3111
 WEBS 3-10=0/196, 3-9=938/507, 4-9=477/1766, 5-9=938/507, 5-8=0/196

NOTES

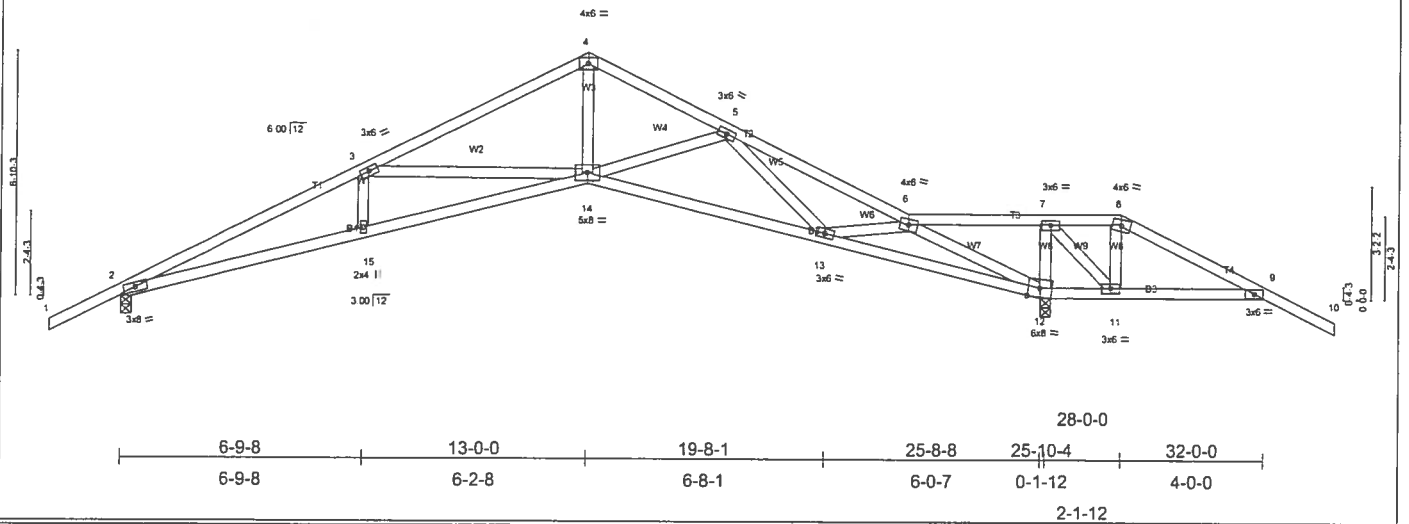
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 476 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T09	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:55 2006 Page 1		

-2-0-0	6-9-8	13-0-0	16-10-12	22-0-0	25-8-8	28-0-0	32-0-0	34-0-0
2-0-0	6-9-8	6-2-8	3-10-12	5-1-4	3-8-8	2-3-8	4-0-0	2-0-0

Scale = 1:617



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.45	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.68	Vert(LL) -0.27 14-15 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.89	Vert(TL) -0.44 14-15 >694 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.29 12 n/a n/a		
	Code FBC2004/TP12002			Weight: 154 lb	

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

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

REACTIONS (lb/size) 2=1083/0-3-8, 12=2943/0-3-8
 Max Horiz 2=-129(load case 5)
 Max Uplift 2=-444(load case 4), 12=-1481(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=3001/889, 3-4=1944/507, 4-5=1907/536, 5-6=1849/419, 6-7=995/1301, 7-8=463/592, 8-9=545/676, 9-10=0/47
 BOT CHORD 2-15=-792/2696, 14-15=-793/2695, 13-14=-359/1881, 12-13=-140/915, 11-12=-1238/1108, 9-11=-560/593
 WEBS 3-15=0/194, 3-14=-946/488, 4-14=-288/1388, 5-14=-188/96, 5-13=-298/415, 6-13=-419/753, 6-12=-2471/660, 7-12=-884/623, 7-11=-701/928, 8-11=-454/376

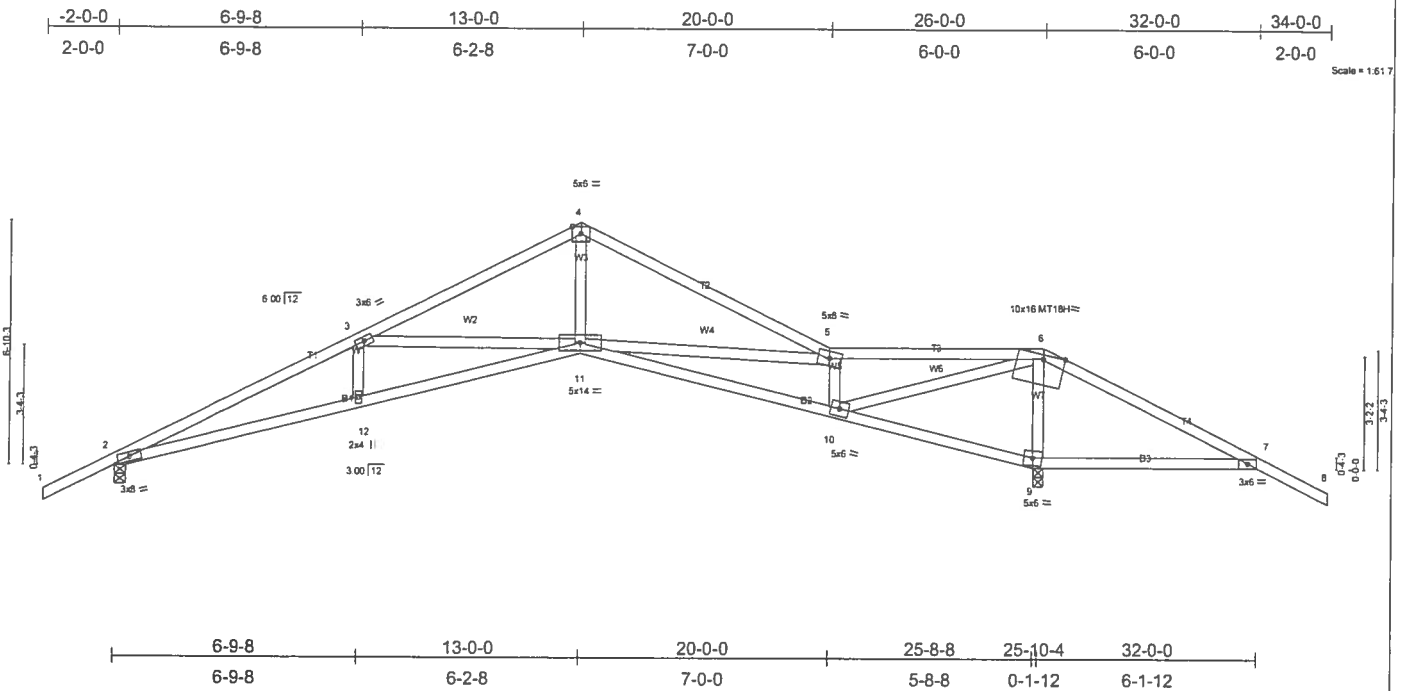
NOTES

- 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 gable end zone; cantilever right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) 2 considers parallel to grain value using ANSI/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2 and 1481 lb uplift at joint 12.
- Girder carries hip end with 4-0-0 right side setback, 26-0-0 left side setback, and 4-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 72 lb up at 28-0-0, and 910 lb down and 468 lb up at 25-8-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-54, 4-6=-54, 6-7=-54, 7-8=-77(F=-23), 8-10=-54, 2-14=-30, 12-14=-30, 11-12=-43(F=-13), 9-11=-30
 Concentrated Loads (lb)
 Vert: 12=910(F) 11=-140(F)

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T10	SPECIAL	1	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:55 2006 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) -0.31 10-11 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.63	Vert(TL) -0.50 10-11 >615 180	MT18H	244/190
BCLL 10.0	Rep Stress Incr YES	WB 0.84	Horz(TL) 0.29 9 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 149 lb

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

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-2-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=1099/0-3-8, 9=1801/0-3-8
Max Horz 2=129(load case 6)
Max Uplift 2=452(load case 5), 9=893(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-3049/916, 3-4=-2038/552, 4-5=-2047/566, 5-6=-1752/485, 6-7=-864/807, 7-8=0/47
BOT CHORD	2-12=-816/2739, 11-12=-817/2738, 10-11=-416/1944, 9-10=-825/1032, 7-9=-647/912
WEBS	3-12=0/191, 1-11=-930/516, 4-11=-280/1378, 5-11=-323/119, 5-10=-1214/431, 6-10=-683/2627, 6-9=-1400/824

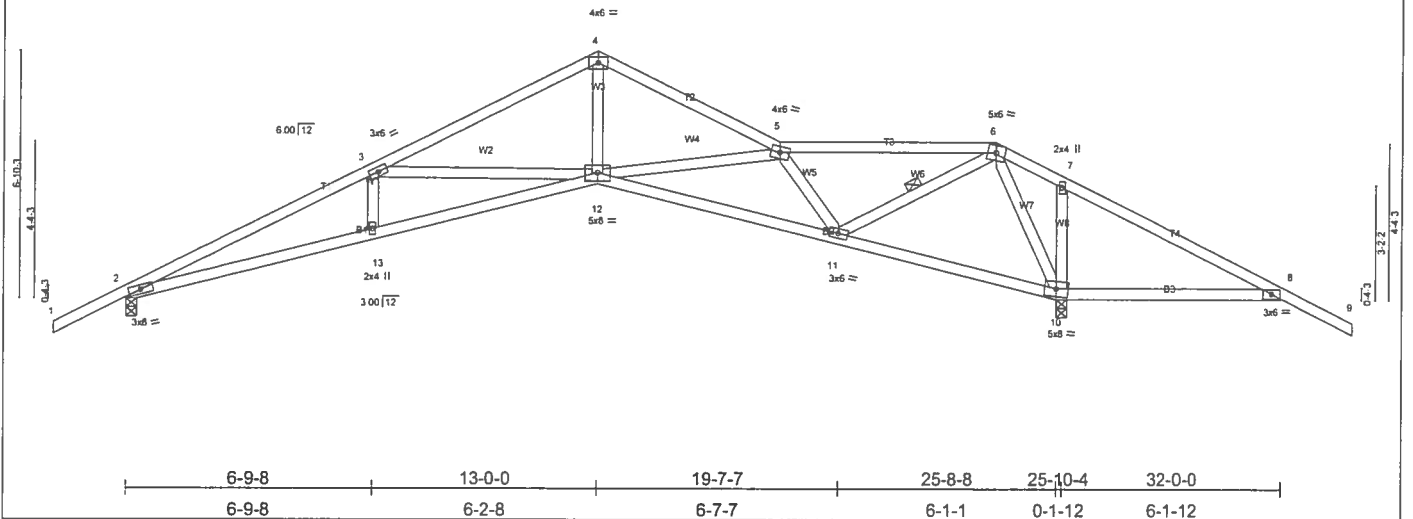
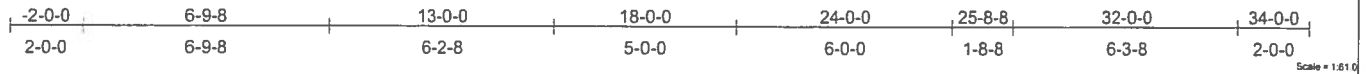
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCLD=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever 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) All plates are MT20 plates unless otherwise indicated.
- 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 452 lb uplift at joint 2 and 893 lb uplift at joint 9.

LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T11	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MitTek Industries, Inc. Thu Feb 23 15:09:56 2006 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 0.74	Vert(LL)	0.58	12-13	>530	240	
TCDL 7.0	Lumber Increase	1.25	BC 0.63	Vert(TL)	0.48	12-13	>637	180	
BCLL 10.0	Rep Stress Incr	YES	WB 0.65	Horz(TL)	-0.34	10	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 153 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 2-11-11 oc bracing.
 WEBS 1 Row at midpt 6-11

REACTIONS (lb/size) 2=1099/0-3-8, 10=1801/0-3-8
 Max Horz 2=129(load case 5)
 Max Uplift 2=564(load case 6), 10=1214(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-3062/4081, 3-4=-2011/2551, 4-5=-1991/2557, 5-6=-1220/1931, 6-7=-691/768, 7-8=-823/826, 8-9=0/47
 BOT CHORD 2-13=-3496/2752, 12-13=-3360/2750, 11-12=-2338/2023, 10-11=-219/408, 8-10=-666/880
 WEBS 3-13=-522/195, 3-12=-944/1511, 4-12=-2021/1422, 5-12=-265/522, 5-11=-1328/1493, 6-11=-2189/1555, 6-10=-1414/1652, 7-10=-254/267

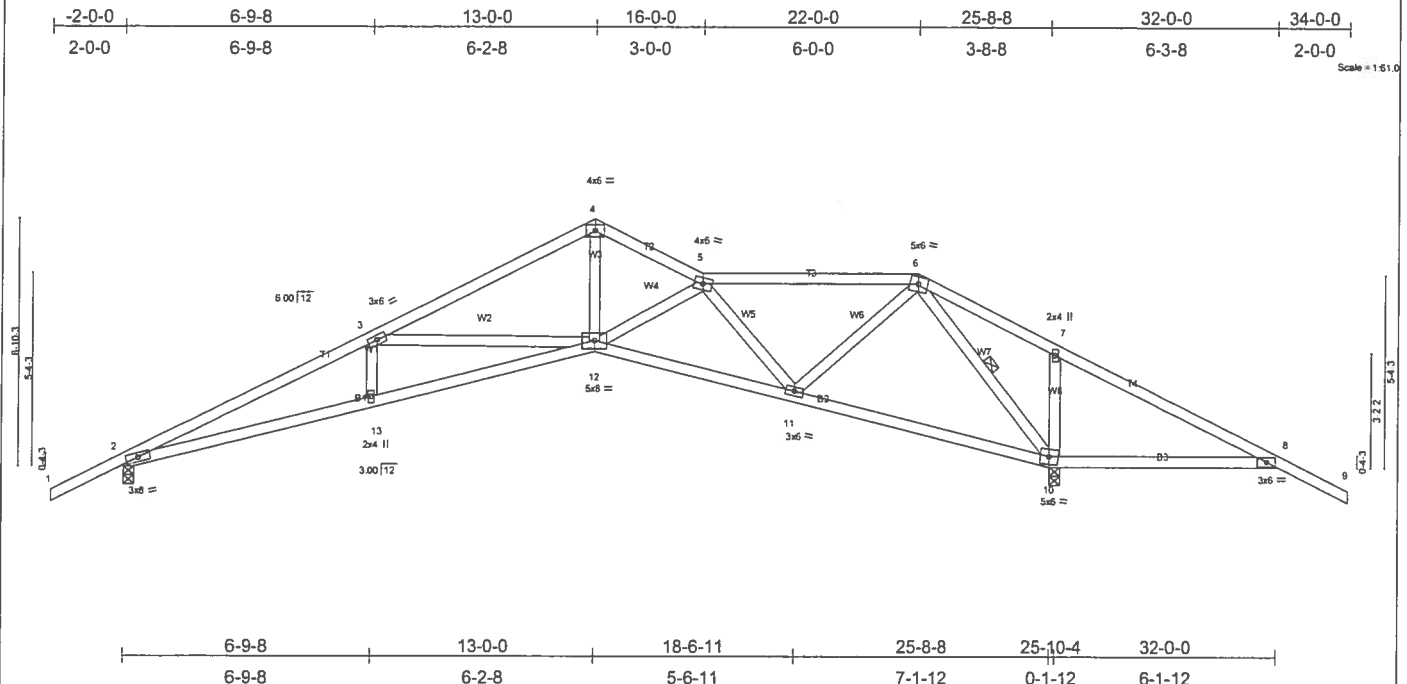
- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 564 lb uplift at joint 2 and 1214 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	-0.27 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.62	Vert(TL)	-0.43 12-13	>715	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.66	Horz(TL)	0.26 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 155 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-2-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 6-10

REACTIONS (lb/size) 2=1099/0-3-8, 10=1801/0-3-8
 Max Horz 2=-129(load case 6)
 Max Uplift 2=-452(load case 5), 10=-893(load case 6)

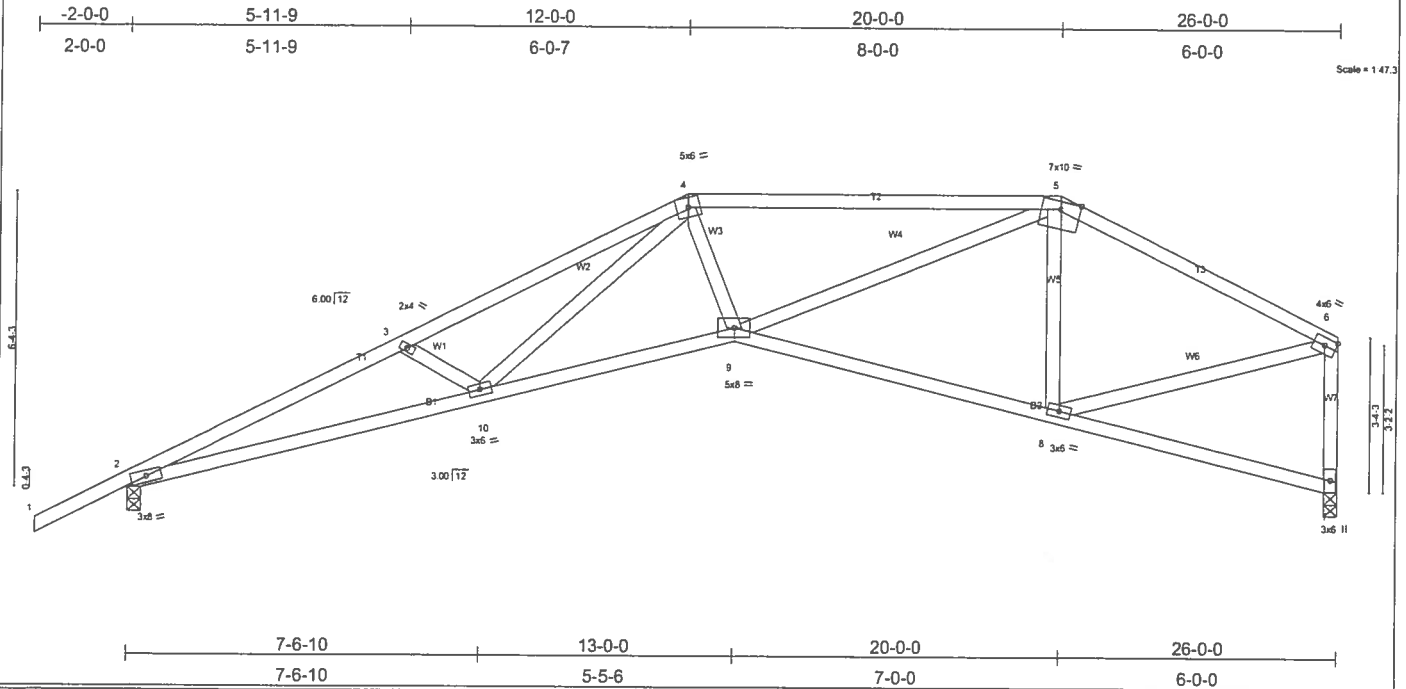
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-3072/922, 3-4=-1998/543, 4-5=-1949/575, 5-6=-1129/331, 6-7=-731/796, 7-8=-878/819, 8-9=0/47
 BOT CHORD 2-13=-822/2762, 12-13=-824/2758, 11-12=-392/1972, 10-11=0/471, 8-10=-661/927
 WEBS 3-13=0/202, 3-12=-954/553, 4-12=-326/1460, 5-12=-262/100, 5-11=-1237/434, 6-11=-240/1107, 6-10=-1686/834, 7-10=-286/304

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever 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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 452 lb uplift at joint 2 and 893 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T13	SPECIAL	1	1	
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)
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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.50	Vert(LL) -0.28 2-10 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.71	Vert(TL) -0.45 2-10 >693 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.54	Horz(TL) 0.28 7 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			Weight: 131 lb

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-1-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-3-3 oc bracing.

REACTIONS (lb/size) 2=1200/0-3-8, 7=1075/0-3-8
Max Horz 2=246(load case 5)
Max Uplift2=-466(load case 5), 7=-297(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-3462/1479, 3-4=-3200/1362, 4-5=-2446/1100, 5-6=-1340/574, 6-7=-1005/472
 BOT CHORD 1-2=-1423/3124, 9-10=-952/2363, 8-9=-446/1193, 7-8=-367/5
 WEBS 3-10=-239/282, 4-10=-309/732, 4-9=-100/525, 5-9=-566/1426, 5-8=-365/256, 6-8=-417/1137

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; 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) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 466 lb uplift at joint 2 and 297 lb uplift at joint 7.

LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job L152713	Truss T14	Truss Type SPECIAL	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6,200 s Jul 13 2005 Mitek Industries, Inc. Thu Feb 23 15:09:58 2006 Page 1		

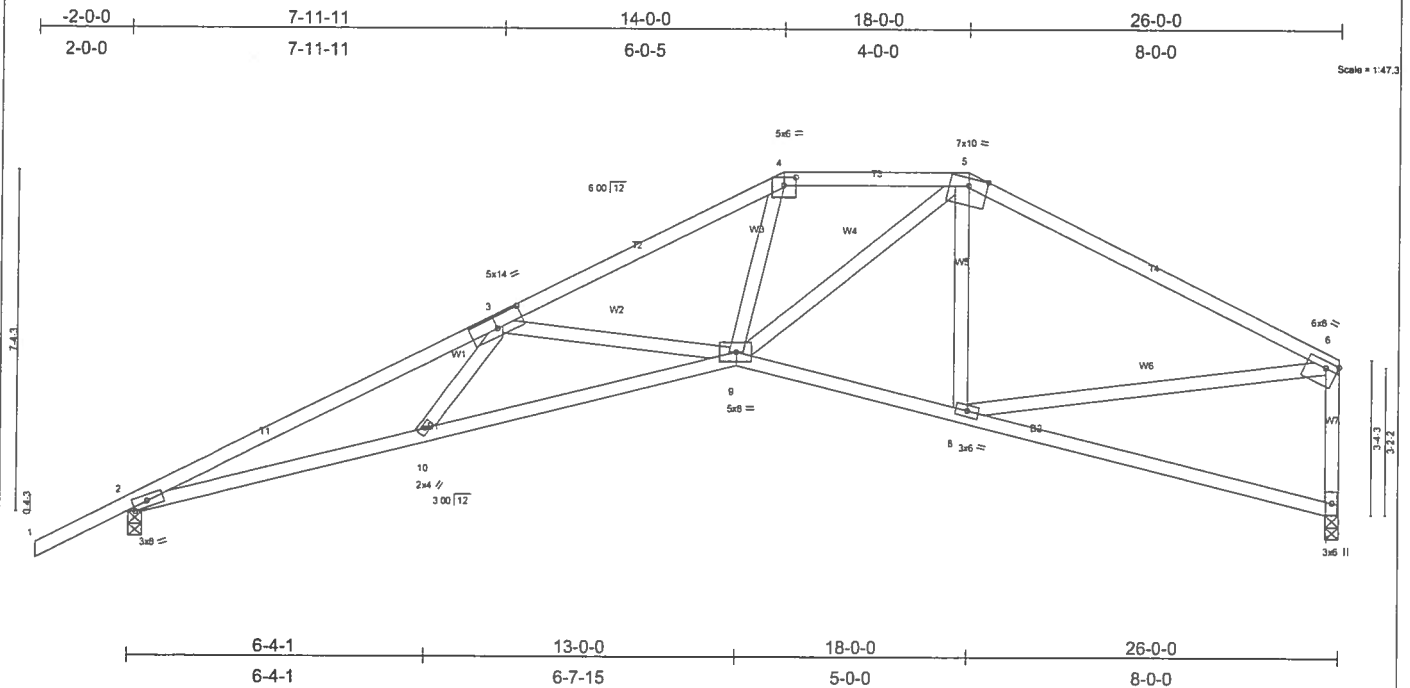


Plate Offsets (X,Y): [2:0-3-12,Edge], [3:0-7-0-0-3-0], [4:0-3-0-0-2-0], [6:Edge,0-1-12]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.95	Vert(LL) -0.29 9-10 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.77	Vert(TL) -0.47 9-10 >651 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.44	Horz(TL) 0.26 7 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-6 oc purins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-1 oc bracing.

REACTIONS (lb/size) 2=1200/0-3-8, 7=1075/0-3-8
Max Horz 2=260(load case 5)
Max Uplift 2=-476(load case 5), 7=-314(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3496/1393, 3-4=-2382/1029, 4-5=-1842/894, 5-6=-1458/634, 6-7=-980/498
BOT CHORD 2-10=-1323/3141, 9-10=-1359/2949, 8-9=-467/1263, 7-8=-82/165
WEBS 3-10=0/323, 3-9=-795/545, 4-9=-325/847, 5-9=-310/869, 5-8=-231/198, 6-8=-380/1094

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; 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) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 314 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T15	SCISSOR	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:09:58 2006 Page 1		

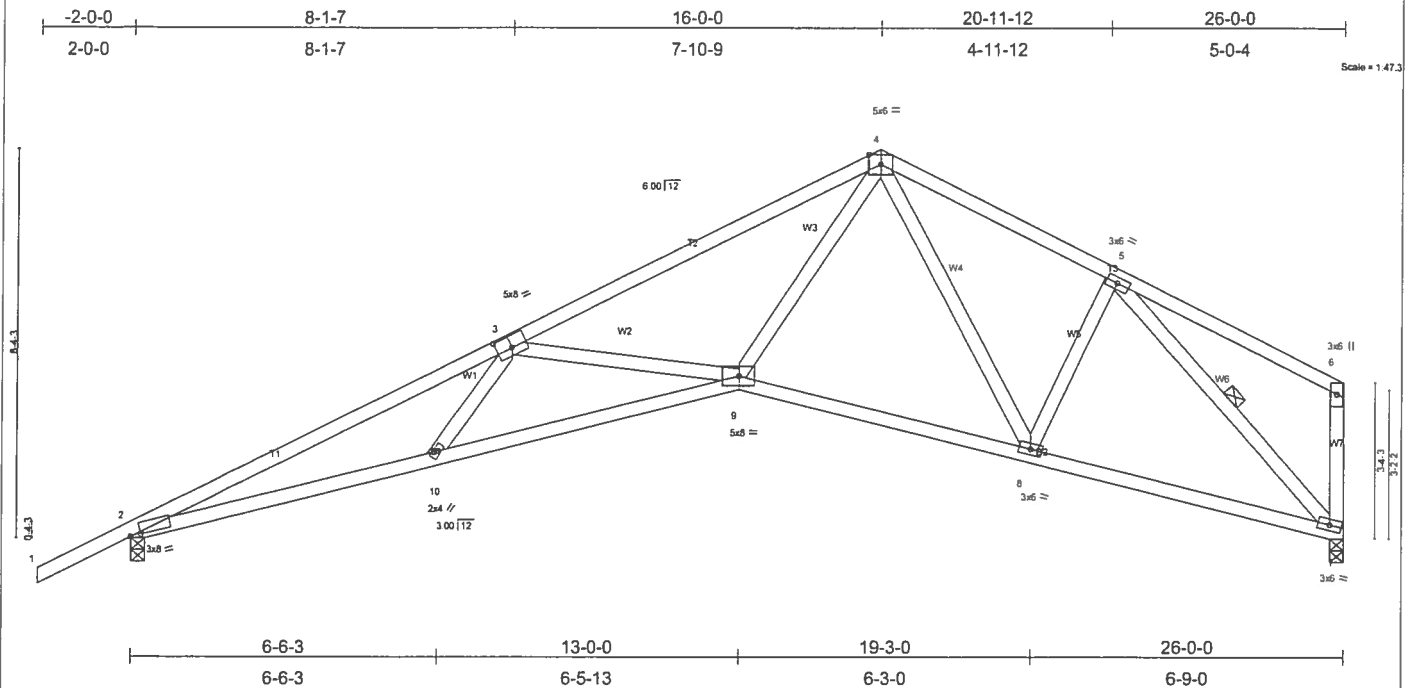


Plate Offsets (X,Y): [2-0-2-11-0-0-1], [3-0-4-0-0-3-0]										
LOADING (psf)		SPACING 2-0-0		CSI		DEFL			PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.29	9-10	>999	240
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.47	9-10	>663	180
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.28	7	n/a	n/a
BCDL	5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 138 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 2-7-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-4-2 oc bracing.
WEBS	1 Row at midpt 5-7

REACTIONS (lb/size) 2=1200/0-3-8, 7=1075/0-3-8
Max Horz 2=274(load case 5)
Max Uplift2=-484(load case 5), 7=-328(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3493/1435, 3-4=-2368/1040, 4-5=-1291/668, 5-6=-135/105, 6-7=-171/144
BOT CHORD 2-10=-1363/3141, 9-10=-1398/2970, 8-9=-461/1251, 7-8=-247/1030
WEBS 3-10=0/299, 3-8=-863/597, 4-9=-610/1592, 4-8=-239/119, 5-8=-50/379, 5-7=-1389/589

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; 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) Bearing at joint(s) 2, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 484 lb uplift at joint 2 and 328 lb uplift at joint 7.

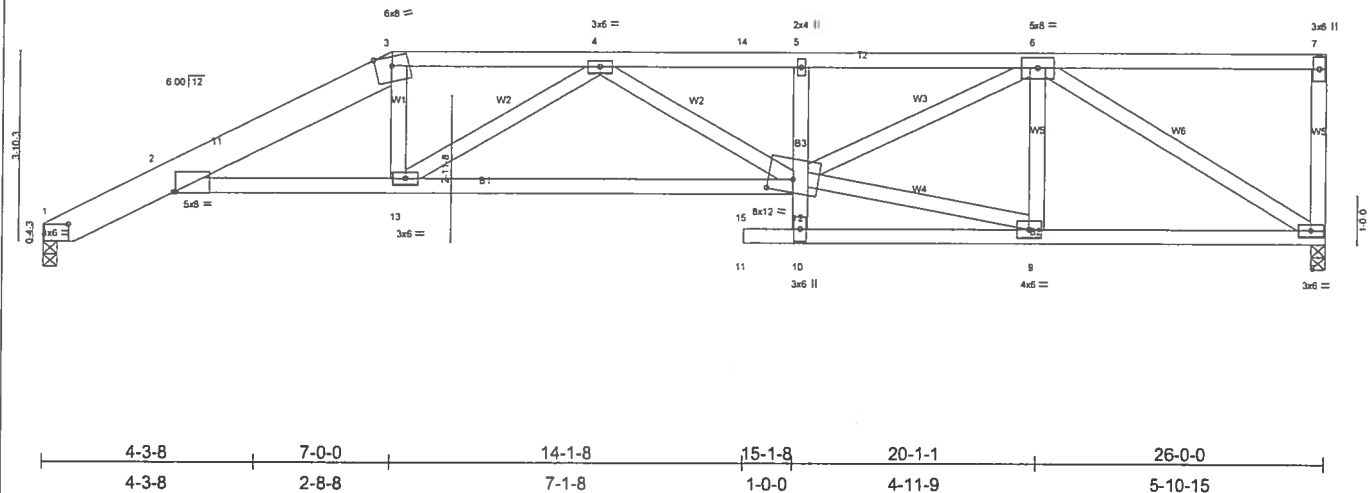
LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job L152713	Truss T16	Truss Type MONO HIP	Qty 1	Ply 2	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Feb 23 15:09:59 2006 Page 1		

-2-0-0	7-0-0	11-2-8	15-1-8	20-1-1	26-0-0
2-0-0	7-0-0	4-2-8	3-11-0	4-11-9	5-10-15

Scale = 1/4" = 1'-0"



Job L152713	Truss T17	Truss Type MONO HIP	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Feb 23 15:10:00 2006 Page 1		

-2-0-0	5-6-2	9-0-0	15-1-8	20-1-6	26-0-0
2-0-0	5-6-2	3-5-14	6-1-8	4-11-14	5-10-10

Scale = 1/4" = 1'-0"

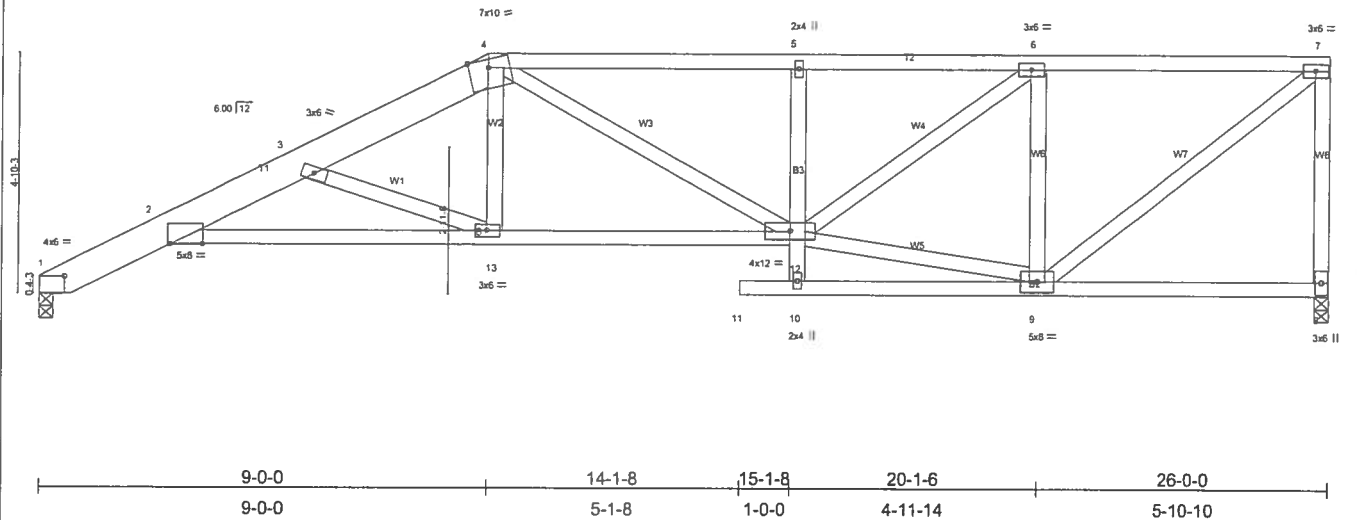


Plate Offsets (X,Y): [2:0-7-8,Edge], [2:2-1-9,0-7-15]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0	TC 0.77	Vert(LL) -0.27	2-13	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.81	Vert(TL) -0.44	2-13	>698	180			
BCDL 10.0	Rep Stress Incr YES	WB 0.51	Horz(TL) 0.21	8	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
Weight: 158 lb									

LUMBER

TOP CHORD 2 X 8 SYP 2400F 2.0E "Except"
T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 "Except"
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-9-9 oc bracing: 12-13.
1 Row at midpt 2-13

REACTIONS

(lb/size) 1=1049/0-3-8, 8=1097/0-3-8
Max Horz 1=212(load case 5)
Max Uplift 1=307(load case 5), 8=388(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-403/16, 2-3=-2876/1241, 3-4=-2159/892, 4-5=-1998/823, 5-6=-1954/808, 6-7=-1120/457, 7-8=-1007/454
BOT CHORD 2-13=-1391/2848, 12-13=-866/1935, 10-12=0/110, 5-12=-254/192, 10-11=0/0, 9-10=-74/113, 8-9=-17/42
WEBS 3-13=-999/567, 4-13=-176/582, 4-12=-109/85, 9-12=-391/1029, 6-12=-436/1035, 6-9=-913/476, 7-9=-562/1377

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; 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 1 and 388 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L152713	Truss T18	Truss Type HIP	Qty 1	Ply 1	RICHARD KEEN- LOT 13 CENTURY OAKS
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Feb 23 15:10:00 2006 Page 1		

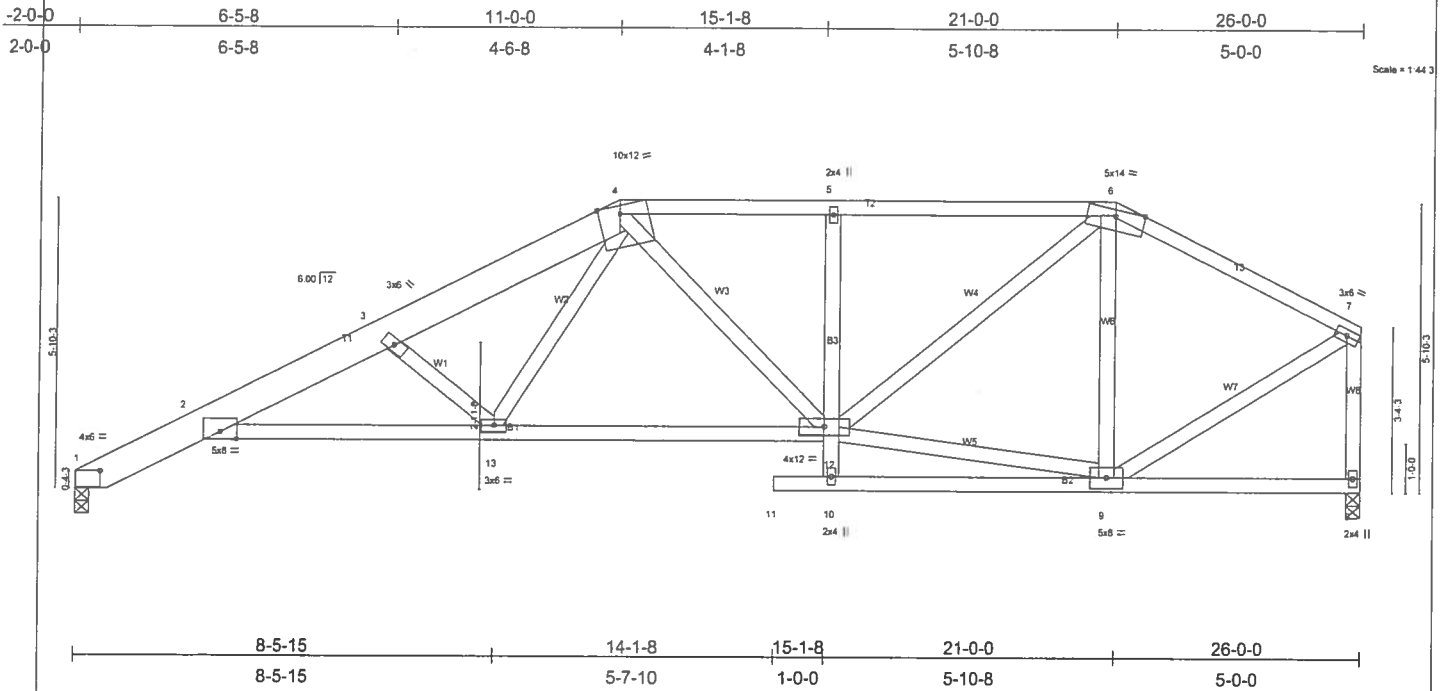


Plate Offsets (X,Y): [4:0-5-3,Edge], [4:10-5-11,5-2-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.64	in (loc) l/defl l/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.78	Vert(LL) -0.25 2-13 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.32	Vert(TL) -0.41 2-13 >746 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.20 8 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 164 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-0-8 oc bracing: 12-13.
1 Row at midpt 2-13

REACTIONS (lb/size) 1=1049/0-3-8, 8=1097/0-3-8
Max Horz 1=181(load case 5)
Max Uplift 1=328(load case 5), 8=286(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-403/55, 2-3=-2727/1183, 3-4=-2319/1006, 4-5=-1557/713, 5-6=-1547/715, 6-7=-981/425, 7-8=-1024/460
BOT CHORD 2-13=-1231/2653, 12-13=-619/1516, 10-12=0/122, 5-12=-289/202, 10-11=0/0, 9-10=-41/55, 8-9=-25/41
WEBS 3-13=-898/556, 4-13=-392/942, 4-12=-82/191, 9-12=-270/774, 6-12=-362/957, 6-9=-471/271, 7-9=-340/929

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; 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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 328 lb uplift at joint 1 and 286 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T19	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6,200 s Jul 13 2005 Mitex Industries, Inc. Thu Feb 23 15:10:01 2006 Page 1

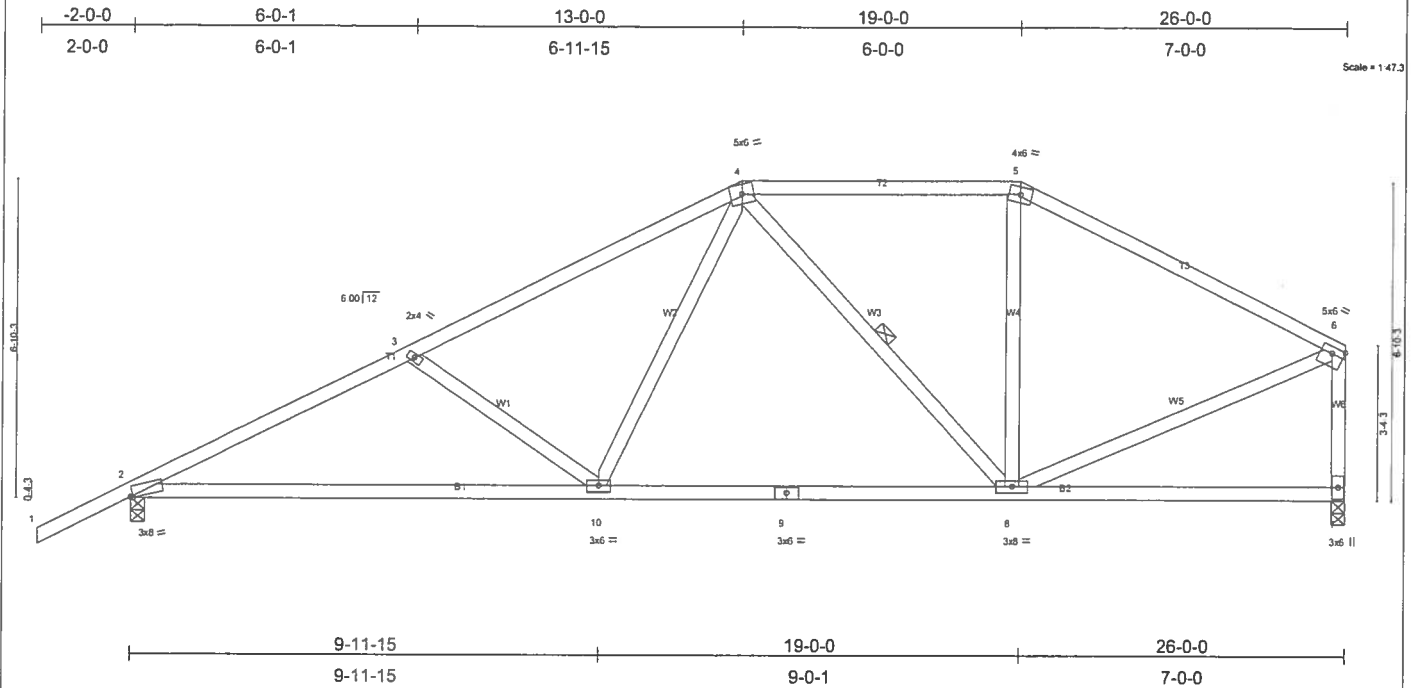


Plate Offsets (X,Y): [2:0-0-10,Edge], [6:Edge,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.67	Vert(LL)	-0.21	2-10	>999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.60	Vert(TL)	-0.37	2-10	>844		
BCLL 10.0	Lumber Increase 1.25	WB 0.30	Horz(TL)	0.04	7	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-1-0 oc bracing.
 WEBS 1 Row at midpt 4-8

REACTIONS (lb/size) 2=1200/0-3-8, 7=1075/0-3-8
 Max Horz 2=254(load case 5)
 Max Uplift 2=472(load case 5), 7=306(load case 6)

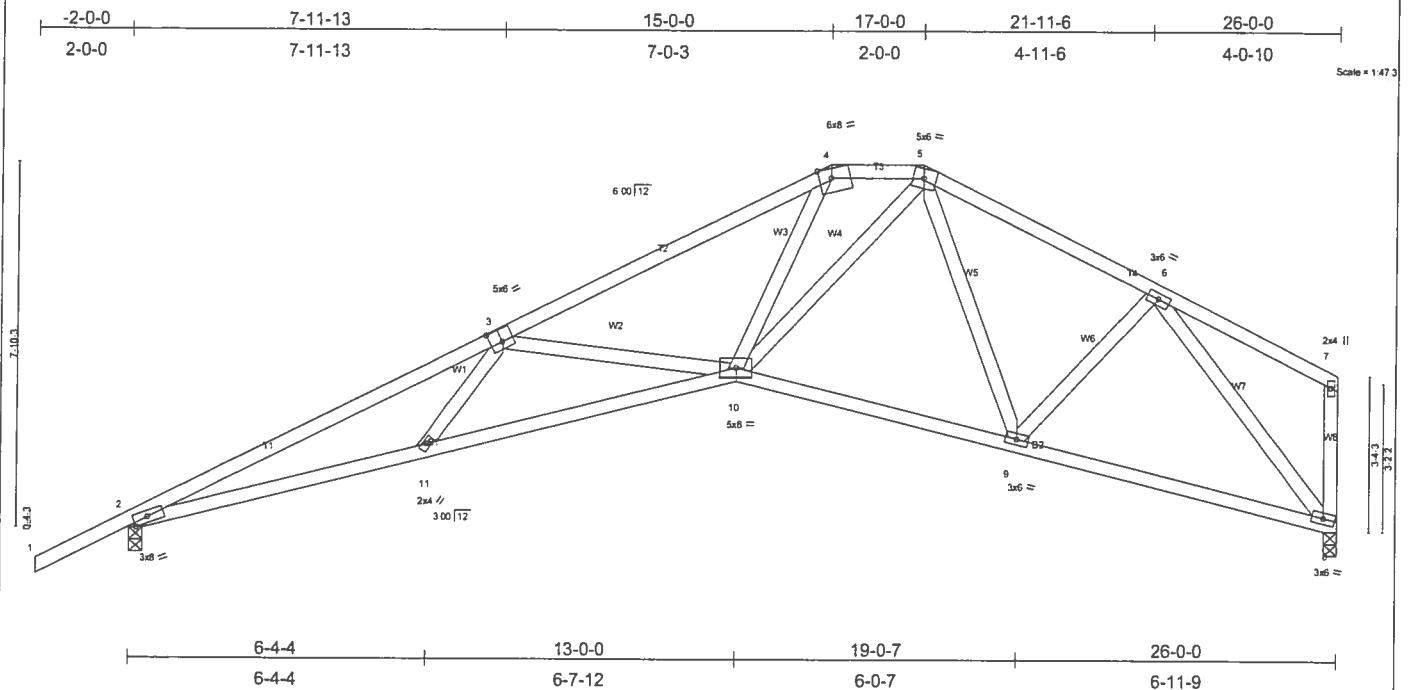
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1849/790, 3-4=-1553/658, 4-5=-883/499, 5-6=-1068/475, 6-7=-976/470
 BOT CHORD 2-10=-773/1608, 9-10=-429/1072, 8-9=-429/1072, 7-8=-60/90
 WEBS 3-10=-368/347, 4-10=-151/568, 4-8=-358/171, 5-8=0/185, 6-8=-291/866

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; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 472 lb uplift at joint 2 and 306 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T20	SPECIAL	1	1	
					Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055					6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:10:02 2006 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GR/P
TCLL 20.0	Plates Increase	1.25	TC 0.68	Vert(LL)	-0.28 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.77	Vert(TL)	-0.46 10-11	>674	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.92	Horz(TL)	0.27 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 142 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 2-7-11 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-4-9 oc bracing.

REACTIONS (lb/size) 2=1200/0-3-8, 8=1075/0-3-8
Max Horz 2=267(load case 5)
Max Uplift 2=-480(load case 5), 8=-321(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3497/1413, 3-4=-2379/1035, 4-5=-1699/887, 5-6=-1306/638, 6-7=-100/59, 7-8=-121/87
BOT CHORD 2-11=-1342/3143, 10-11=-1377/2960, 9-10=-441/1228, 8-9=-393/906
WEBS 3-11=0/311, 3-10=-820/568, 4-10=-263/832, 5-10=-354/843, 5-9=-195/97, 6-9=-47/401, 6-8=-1335/615

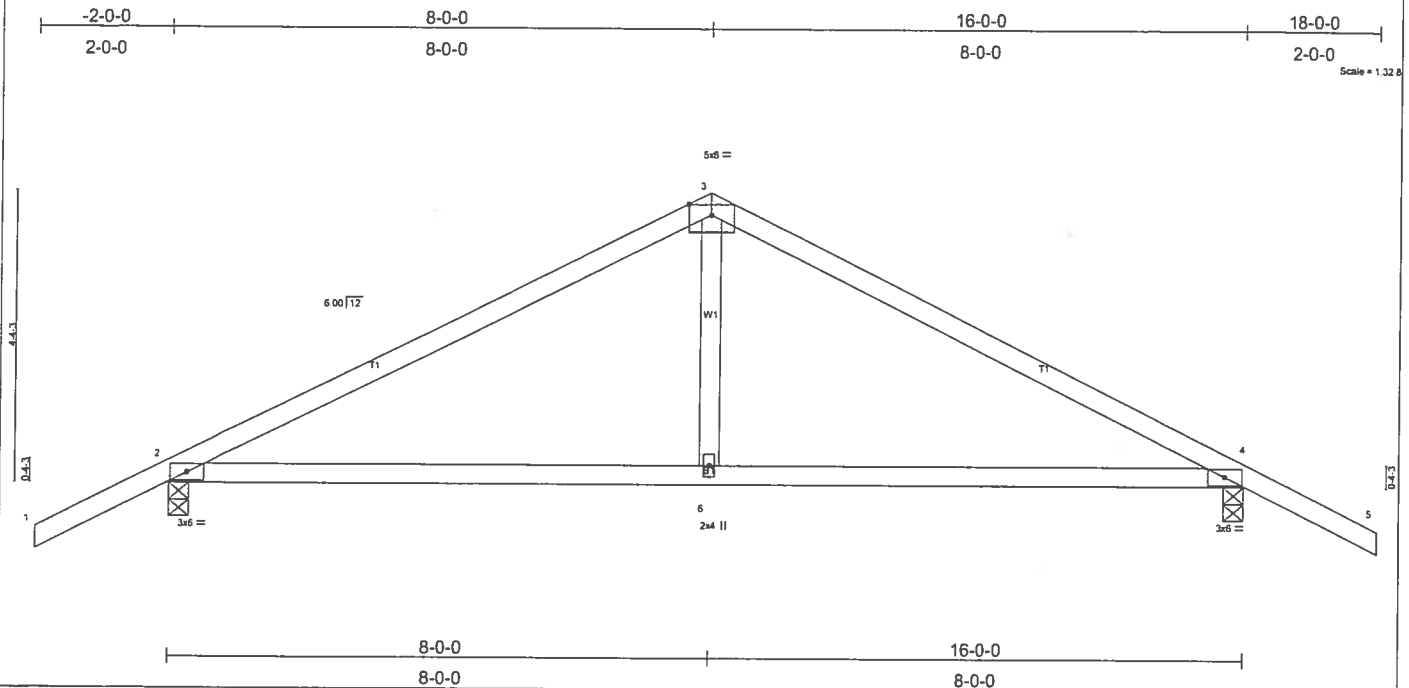
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); $h=20$ ft; $TCFL=4.2$ psf; $BCDL=3.0$ psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber $DOL=1.60$ plate grip $DOL=1.60$. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 480 lb uplift at joint 2 and 321 lb uplift at joint 8.

LOAD CASE(S) Standard

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T21	KINGPOST	4	1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:10:02 2006 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 0.51	Vert(LL)	0.24	2-6	>779	240	
TCDL 7.0	Lumber Increase	1.25	BC 0.55	Vert(TL)	-0.20	2-6	>925	180	
BCLL 10.0	Rep Stress Incr	YES	WB 0.14	Horz(TL)	0.02	4	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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-1-0 oc bracing.

REACTIONS (lb/size) 2=776/0-3-8, 4=776/0-3-8
 Max Horz 2=-94(load case 6)
 Max Uplift 2=-539(load case 5), 4=-539(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-929/981, 3-4=-929/981, 4-5=0/47
 BOT CHORD 2-6=-689/751, 4-6=-689/751
 WEBS 3-6=-489/295

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf, BCCL=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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 539 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN- LOT 13 CENTURY OAKS
L152713	T22	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:10:45 2006 Page 1		

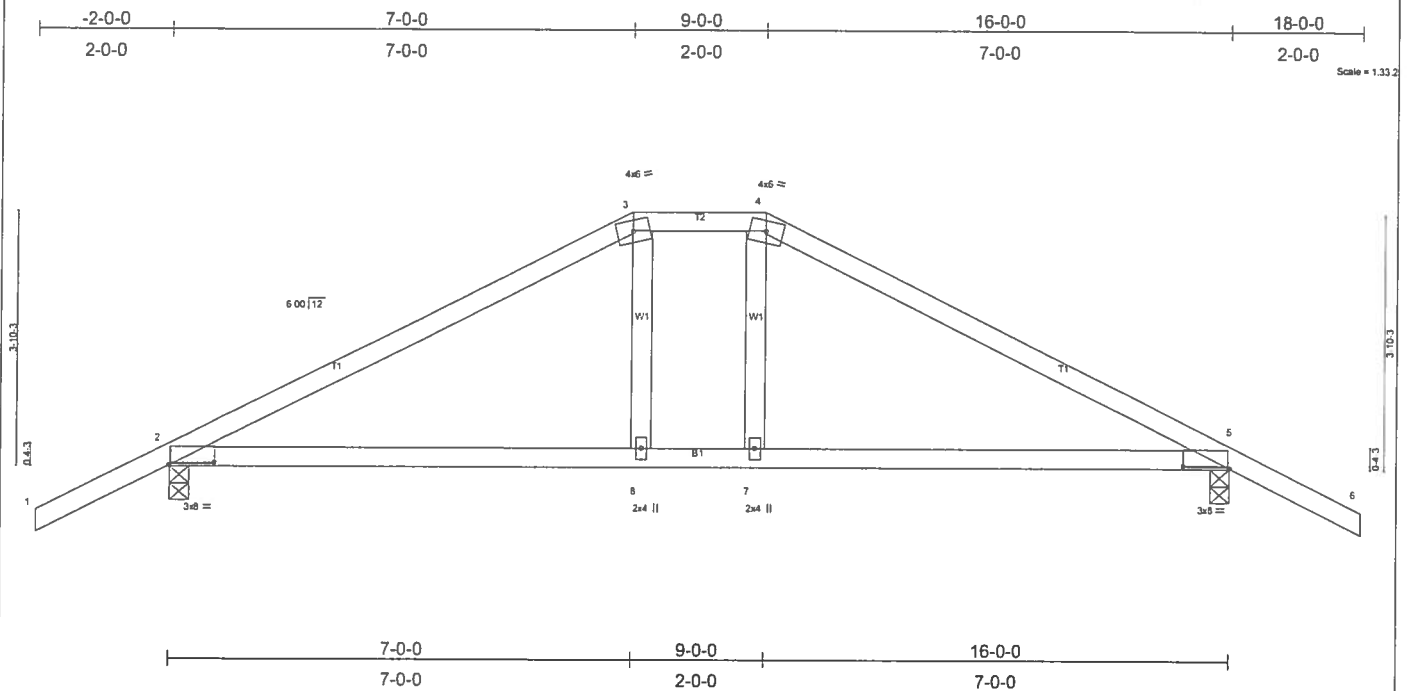


Plate Offsets (X,Y): [2:0-8-4,0-0-6], [5:0-8-4,0-0-6]										
LOADING (psf)		SPACING 2-0-0		CSI		DEFL			PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.17	2-8	>999	240
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.25	2-8	>760	180
BCLL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.05	5	n/a	n/a
BCDL	5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 67 lb	

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

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-12 oc bracing.

REACTIONS (lb/size) 2=1408/0-3-8, 5=1408/0-3-8
Max Horz 2=87(load case 4)
Max Uplift 2=-862(load case 4), 5=-862(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=2313/1231, 3-4=-2012/1159, 4-5=-2313/1231, 5-6=0/47
BOT CHORD 2-8=-1007/1983, 7-8=-1020/2012, 5-7=-1004/1983
WEBS 3-8=-400/792, 4-7=-399/792

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 gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 862 lb uplift at joint 2 and 862 lb uplift at joint 5.
- 5) Girder carries hip end with 7-0-0 end setback.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 9-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

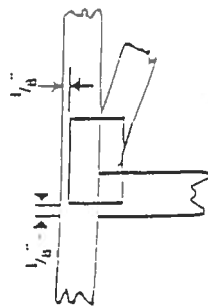
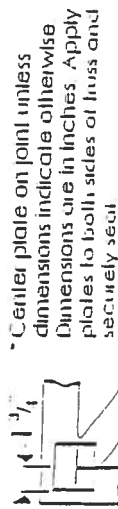
LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-8=-30, 7-8=-65(F=-35), 5-7=-30
Concentrated Loads (lb)
Vert: 8=-539(F) 7=-539(F)

**FEBRUARY 23, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

Symbols

PLATE LOCATION AND ORIENTATION



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

• This symbol indicates the required direction of slots in connector plates



PLATE SIZE

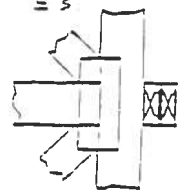
4 X 4
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots

LATERAL BRACING



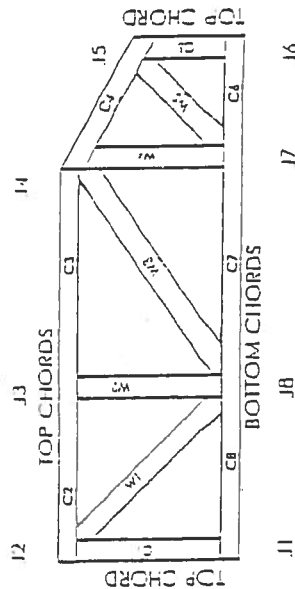
Indicates location of required continuous lateral bracing

BEARINGS



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/DITIR	960022 W, 970036 H
IIR	561



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (16" 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.