Project Information for:	L152342		
Builder:	RICHARD KEEN	Date:	2/23/2006
Lot:	LOT 12 FOREST AVE	Start Number:	**1137**
Subdivision:	N/A		
County or City:	COLUMBIA COUNTY		
Truss Page Count:	22		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

Gravity		**Wind**		**Building Code:**	**FBC2004**
Roof (psf):	**42**	Wind Standard:	**ASCE 7-02**		
Floor (psf):	55	Wind Speed (mph):	**110**		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

JOHNSTON,JAMES H III RC0067161
Address: 650 SOUTHWEST MAIN BOULEVARD
LAKE CITY, FL 32024 Designer: **62**

Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0223061137	2/23/2006				
2	CJ3	0223061138	2/23/2006				
3	CJ5	0223061139	2/23/2006				
4	CJ5T	0223061140	2/23/2006				
5	EJ7	0223061141	2/23/2006				
6	EJ7T	0223061142	2/23/2006				
7	HJ9	0223061143	2/23/2006				
8	HJ97	0223061144	2/23/2006				
9	T01	0223061145	2/23/2006				
10	T01G	0223061146	2/23/2006				
11	T02	0223061147	2/23/2006				
12	T02G	0223061148	2/23/2006				
13	T03	0223061149	2/23/2006				
14	T04	0223061150	2/23/2006				
15	T05	0223061151	2/23/2006				
16	T06	0223061152	2/23/2006				
17	T06V	0223061153	2/23/2006				
18	T06VA	0223061154	2/23/2006				
19	T07	0223061155	2/23/2006				
20	T08	0223061156	2/23/2006				
21	T09	0223061157	2/23/2006				
22	T10	0223061158	2/23/2006				

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4:25:30 PM

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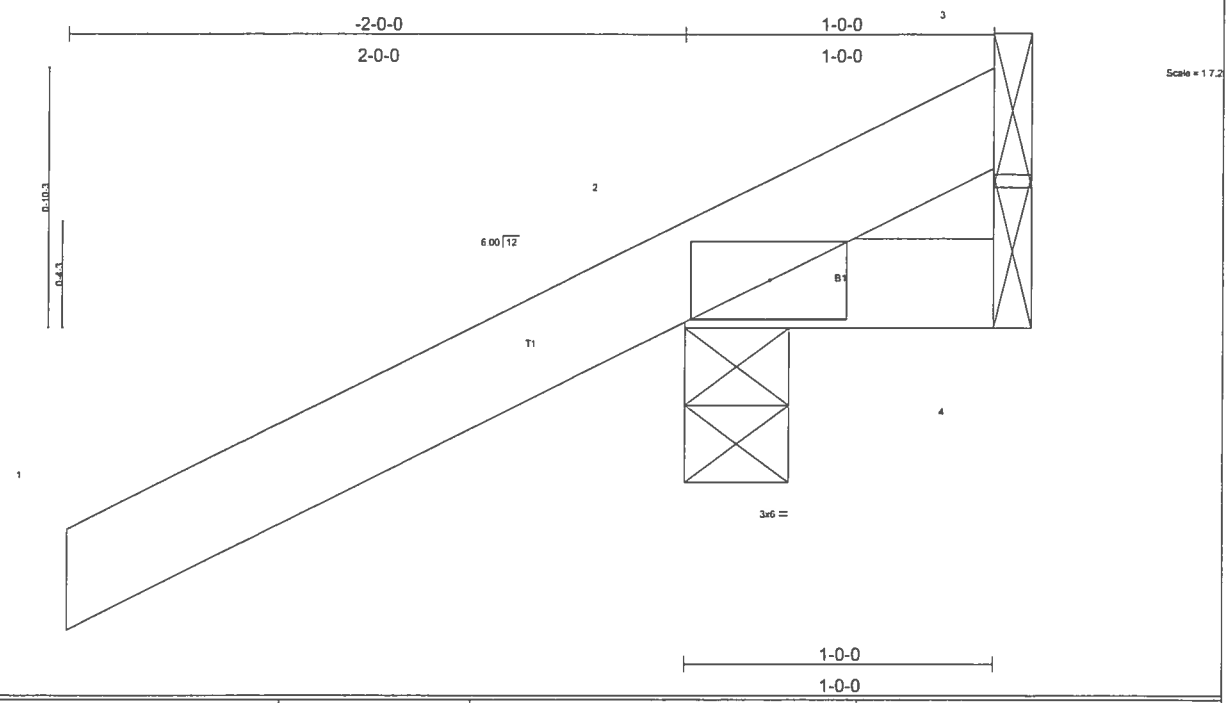
FEBRUARY 23,2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223061137

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	CJ1	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:15:56 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	0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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: 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=267/0-4-0, 4=14/Mechanical, 3=-91/Mechanical
Max Horz 2=87(load case 5)
Max Uplift2=-275(load case 5), 3=-91(load case 1)
Max Grav 2=267(load case 1), 4=14(load case 1), 3=128(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/76
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; 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 275 lb uplift at joint 2 and 91 lb uplift at joint 3.

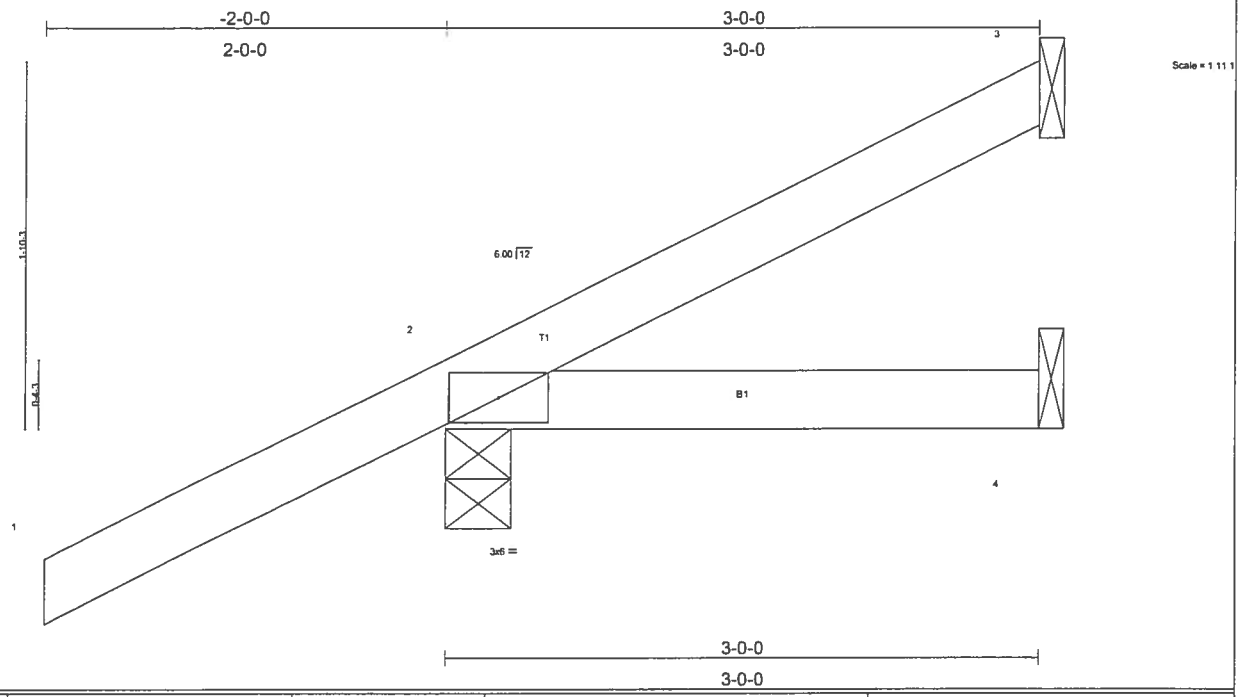
LOAD CASE(S) Standard

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

Dwg.#0223061138

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	CJ3	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:15:57 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	0.30	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	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: 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=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift3=-27(load case 6), 2=-205(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-58/7
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; 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 27 lb uplift at joint 3 and 205 lb uplift at joint 2.

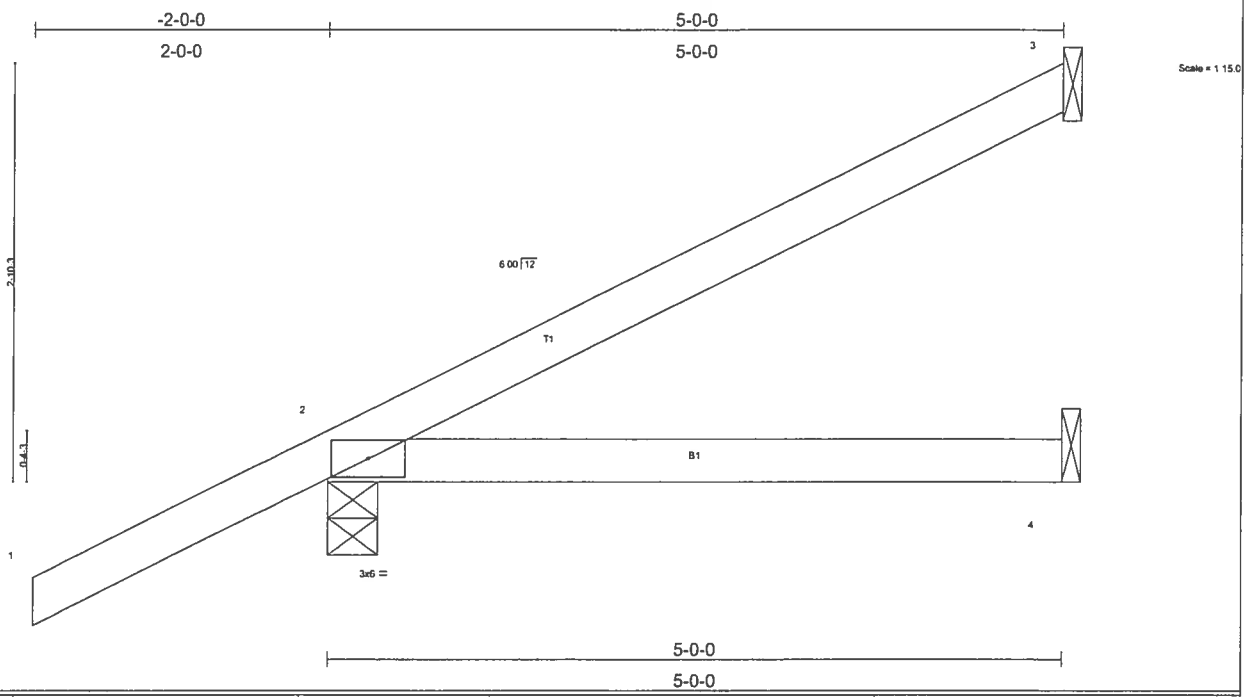
LOAD CASE(S) Standard

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

Dwg.#0223061139

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	CJ5	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:15:58 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	0.30	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	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: 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=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-86(load case 5), 2=-201(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-87/36
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; 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 86 lb uplift at joint 3 and 201 lb uplift at joint 2.

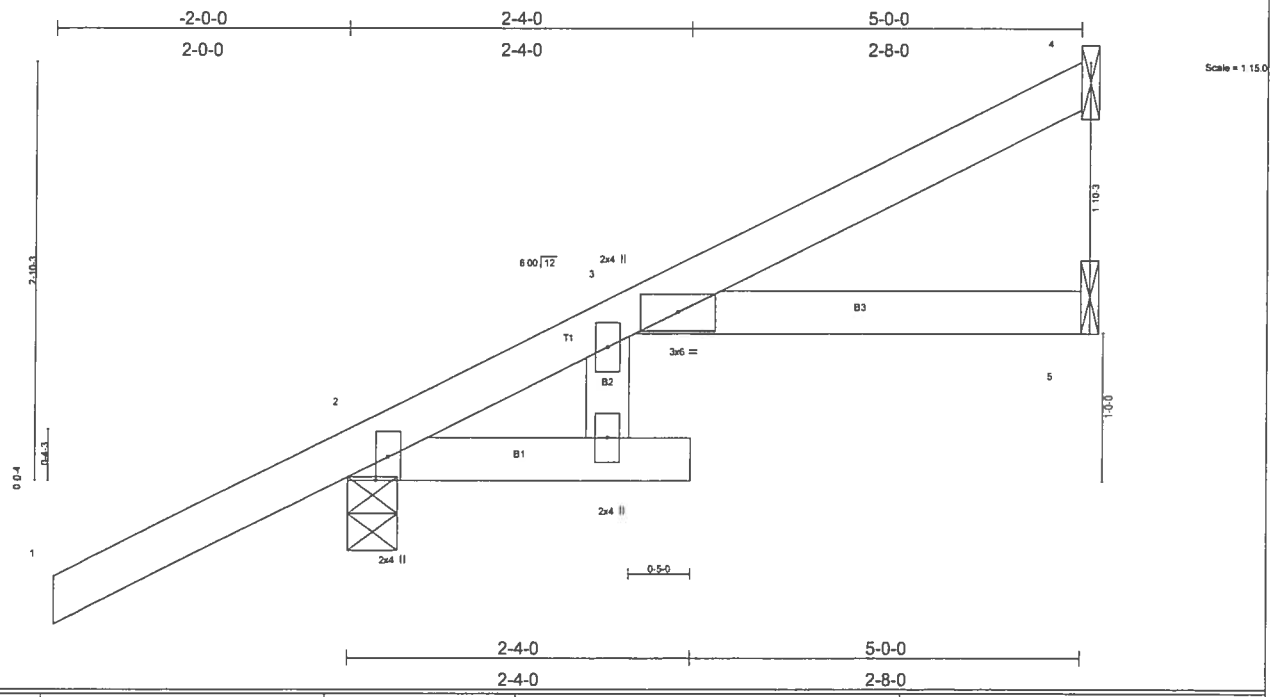
LOAD CASE(S) Standard

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

Dwg.#0223061140

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	CJ5T	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:15:59 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 Uplift4=-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; 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 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

Dwg.#0223061141

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	EJ7	MONO TRUSS	13	1	Job Reference (optional)

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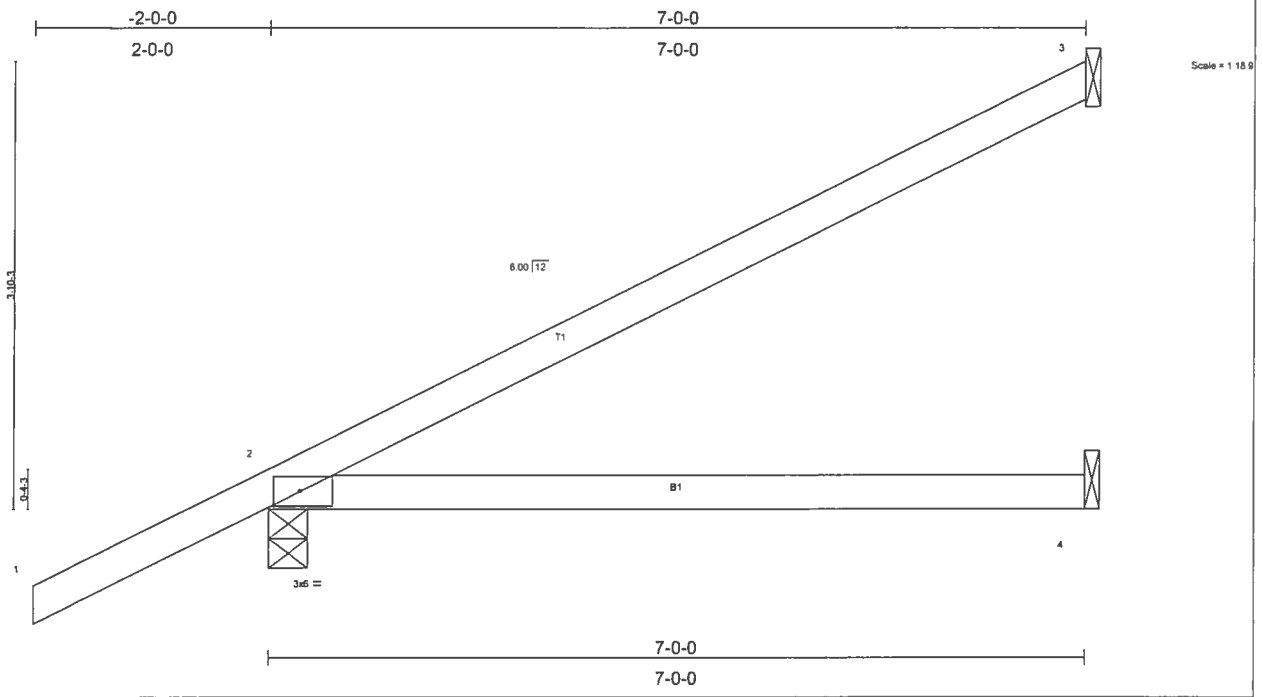


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.12	2-4	>674	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.20	2-4	>403	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=420/0-4-0, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift3=-133(load case 5), 2=-211(load case 5)

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; 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 133 lb uplift at joint 3 and 211 lb uplift at joint 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

Dwg.#0223061142

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	EJ7T	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:00 2006 Page 1

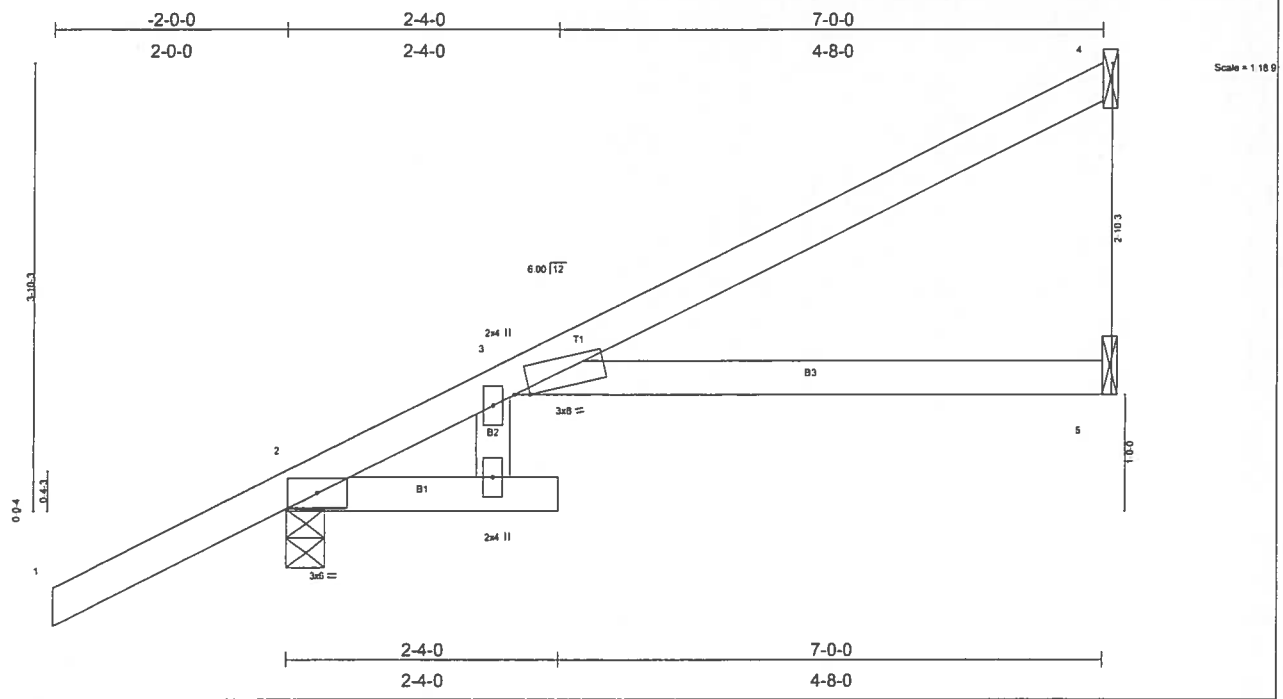


Plate Offsets (X,Y): [3:0-1-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.14	3-5	>558	240	MT20	244/190
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 Uplift4=-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.

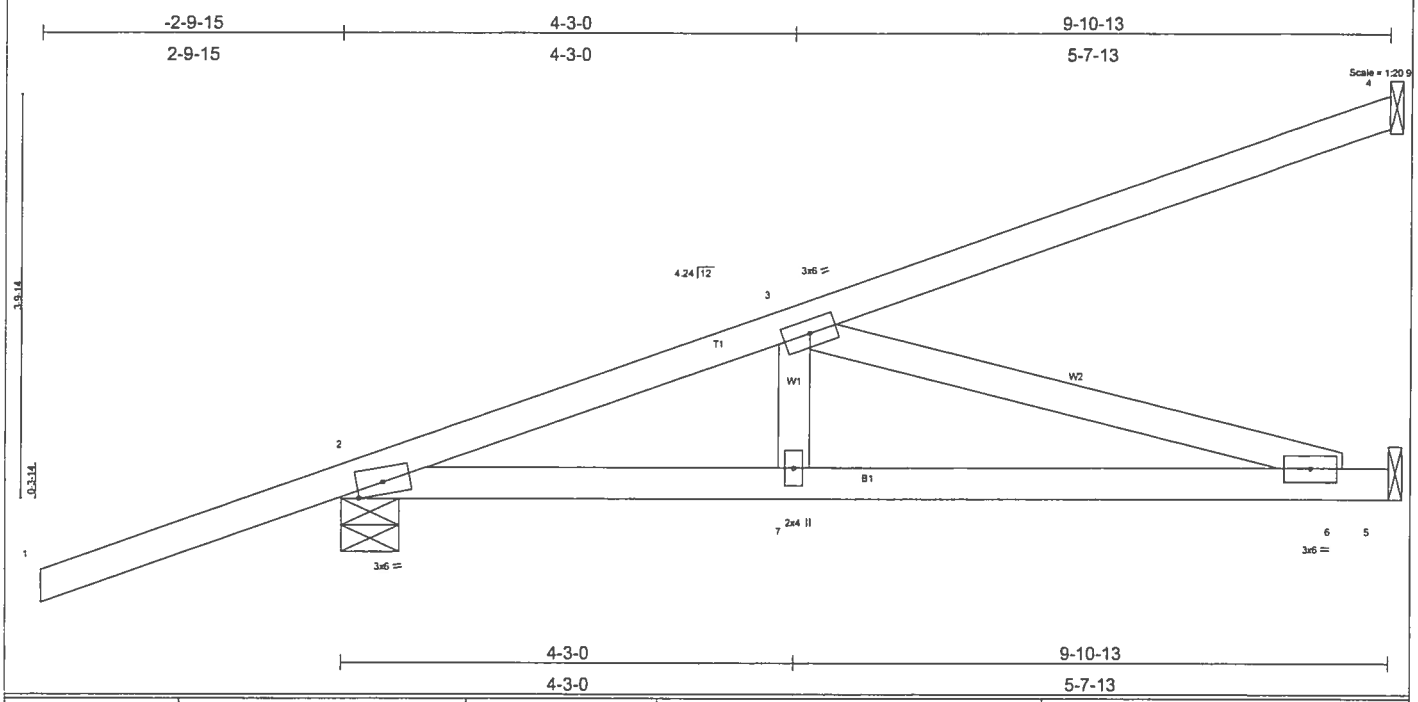
LOAD CASE(S) Standard

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

Dwg.#0223061143

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	HJ9	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:01 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	0.62	Vert(LL)	-0.11	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.18	6-7	>623	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	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 purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=270/Mechanical, 2=537/0-6-7, 5=372/Mechanical
Max Horz 2=269(load case 2)
Max Uplift4=-231(load case 2), 2=-284(load case 2), 5=-61(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-876/116, 3-4=-105/66
BOT CHORD 2-7=-304/809, 6-7=-304/809, 5-6=0/0
WEBS 3-7=0/187, 3-6=-843/317

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; 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, 284 lb uplift at joint 2 and 61 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=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

FEBRUARY 23,2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223061144

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	HJ97	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:02 2006 Page 1

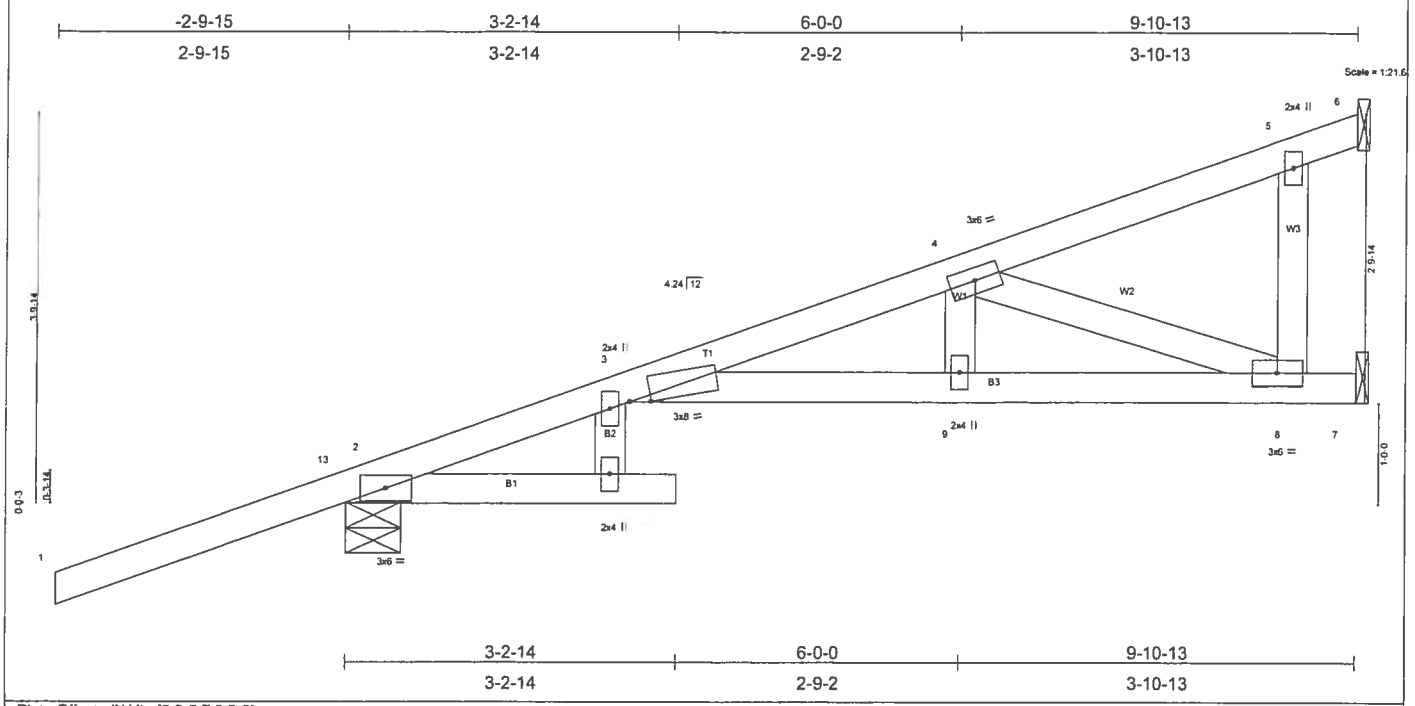


Plate Offsets (X,Y): [3:0-2-7,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.90	Vert(LL)	-0.18	3-9	>621	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.32	3-9	>359	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/TPI2002		(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 5-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-11 oc bracing.

REACTIONS (lb/size) 6=301/Mechanical, 2=529/0-6-6, 7=336/Mechanical
Max Horz 2=270(load case 2)
Max Uplift6=-93(load case 2), 2=-335(load case 4), 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=-1282/328, 4-5=-85/15, 5-6=-35/98
BOT CHORD 3-9=-482/1225, 8-9=-482/1225, 7-8=0/0
WEBS 4-9=-35/363, 4-8=-1298/511, 5-8=0/142

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; 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, 335 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).

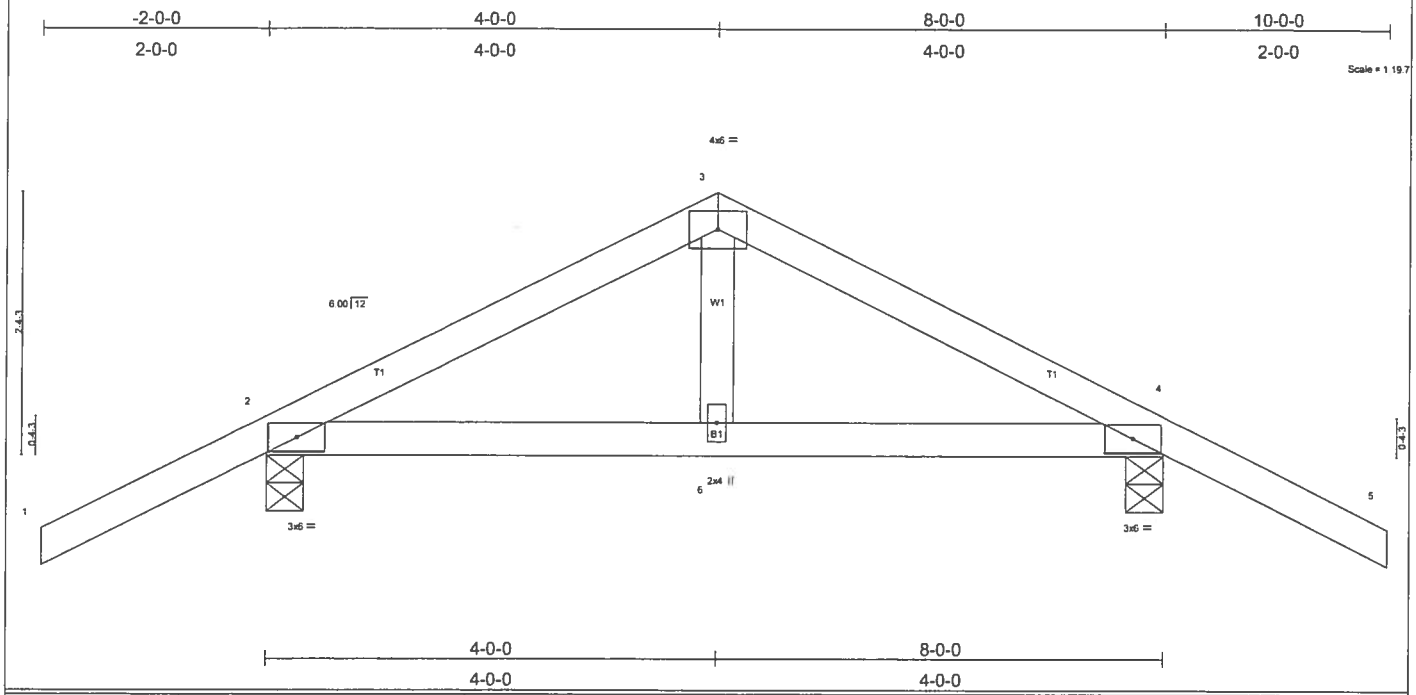
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-13=-54
Trapezoidal Loads (plf)
Vert: 13=0(F=27, B=27)-to-2=-5(F=25, B=25), 2=-15(F=25, B=25)-to-3=-48(F=8, B=8), 3=-38(F=8, B=8)-to-6=-134(F=-40, B=-40), 3=-20(F=5, B=5)-to-7=-74(F=-22, B=-22)

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

Dwg.#0223061145

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T01	COMMON	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:03 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	0.30	Vert(LL)	0.01	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

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

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

REACTIONS (lb/size) 2=439/0-4-0, 4=439/0-4-0
Max Horz 2=-66(load case 6)
Max Uplift2=-337(load case 5), 4=-337(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-367/413, 3-4=-367/413, 4-5=0/47
BOT CHORD 2-6=-211/279, 4-6=-211/279
WEBS 3-6=-186/110

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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 337 lb uplift at joint 2 and 337 lb uplift at joint 4.

LOAD CASE(S) Standard

FEBRUARY 23,2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223061146

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T01G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:04 2006 Page 1

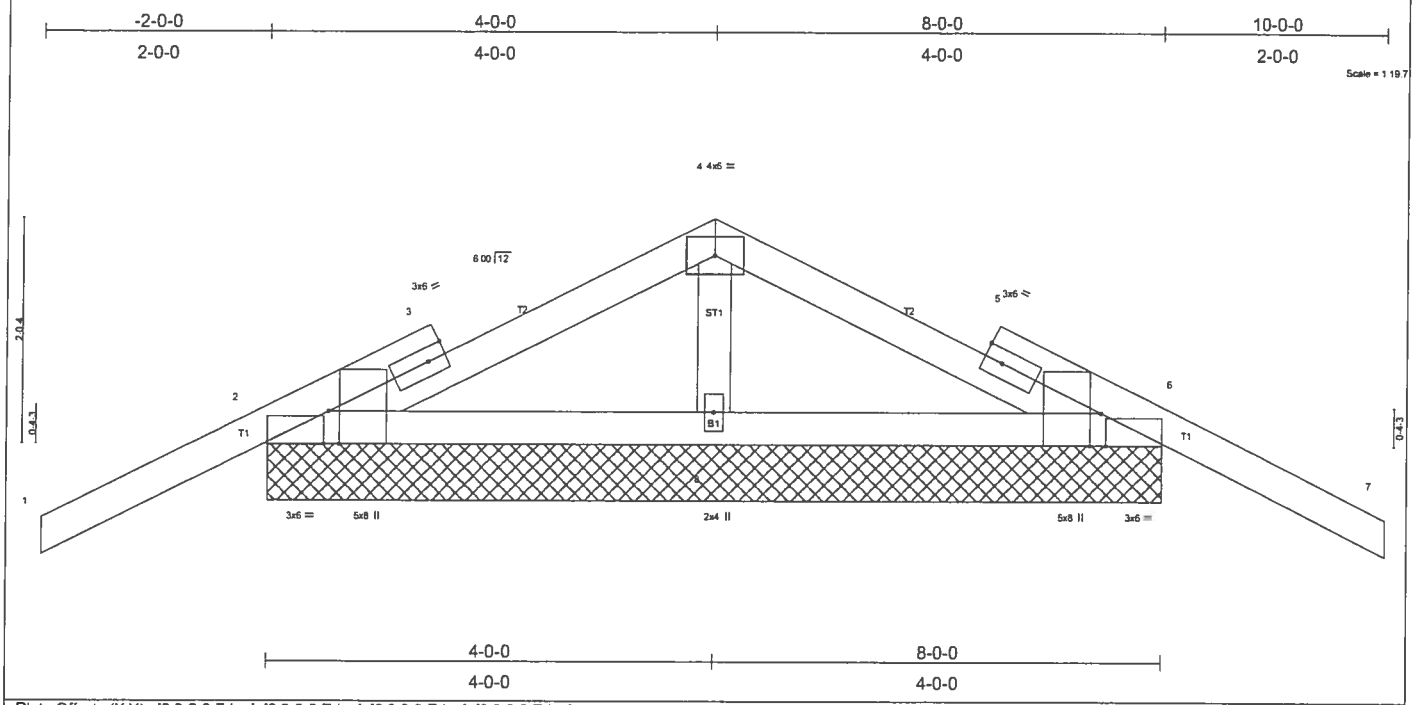

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [6:0-3-8,Edge], [6:0-0-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.02	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.03	7	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 lb	

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

BRACING
TOP CHORD 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=722/8-0-0, 6=722/8-0-0, 8=164/8-0-0
Max Horz 2=-62(load case 6)
Max Uplift2=-378(load case 5), 6=-378(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-23/99, 2-3=-590/363, 3-4=-528/355, 4-5=-528/355, 5-6=-590/363, 6-7=-23/99
BOT CHORD 2-8=-187/472, 6-8=-187/472

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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 2 and 378 lb uplift at joint 6.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-114(F=-60), 4-7=-114(F=-60), 2-6=-30

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

Dwg.#0223061147

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T02	COMMON	11	1	Job Reference (optional)

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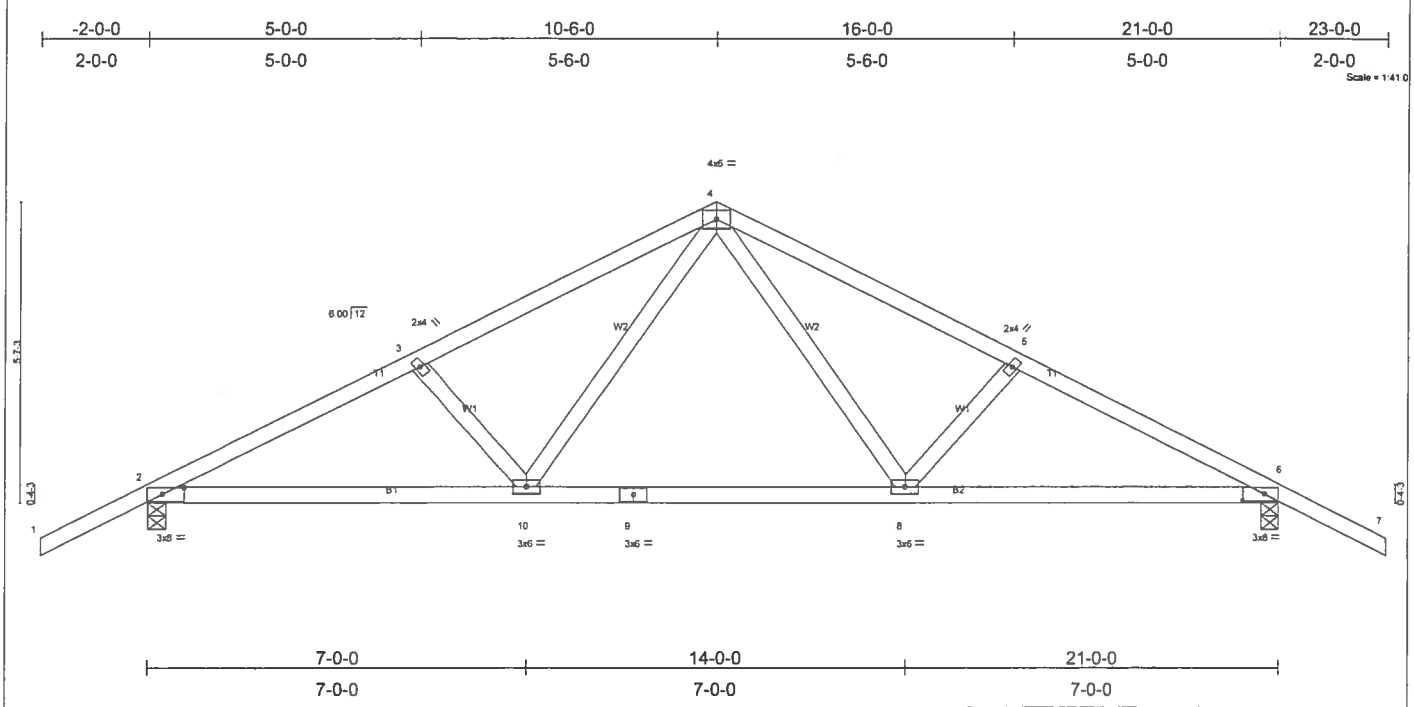

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.24	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.39	8-10	>632	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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 4-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-6 oc bracing.

REACTIONS (lb/size) 2=1195/0-4-0, 6=1195/0-4-0
Max Horz 2=-112(load case 6)
Max Uplift2=-488(load case 5), 6=-488(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1956/811, 3-4=-1791/784, 4-5=-1791/784, 5-6=-1956/811, 6-7=0/47
BOT CHORD 2-10=-559/1678, 9-10=-279/1143, 8-9=-279/1143, 6-8=-559/1678
WEBS 3-10=-226/213, 4-10=-257/748, 4-8=-257/748, 5-8=-226/213

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 488 lb uplift at joint 2 and 488 lb uplift at joint 6.
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: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-90(F=-60), 6-8=-30

FEBRUARY 23,2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0223061148

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T02G	COMMON	1	1	Job Reference (optional)

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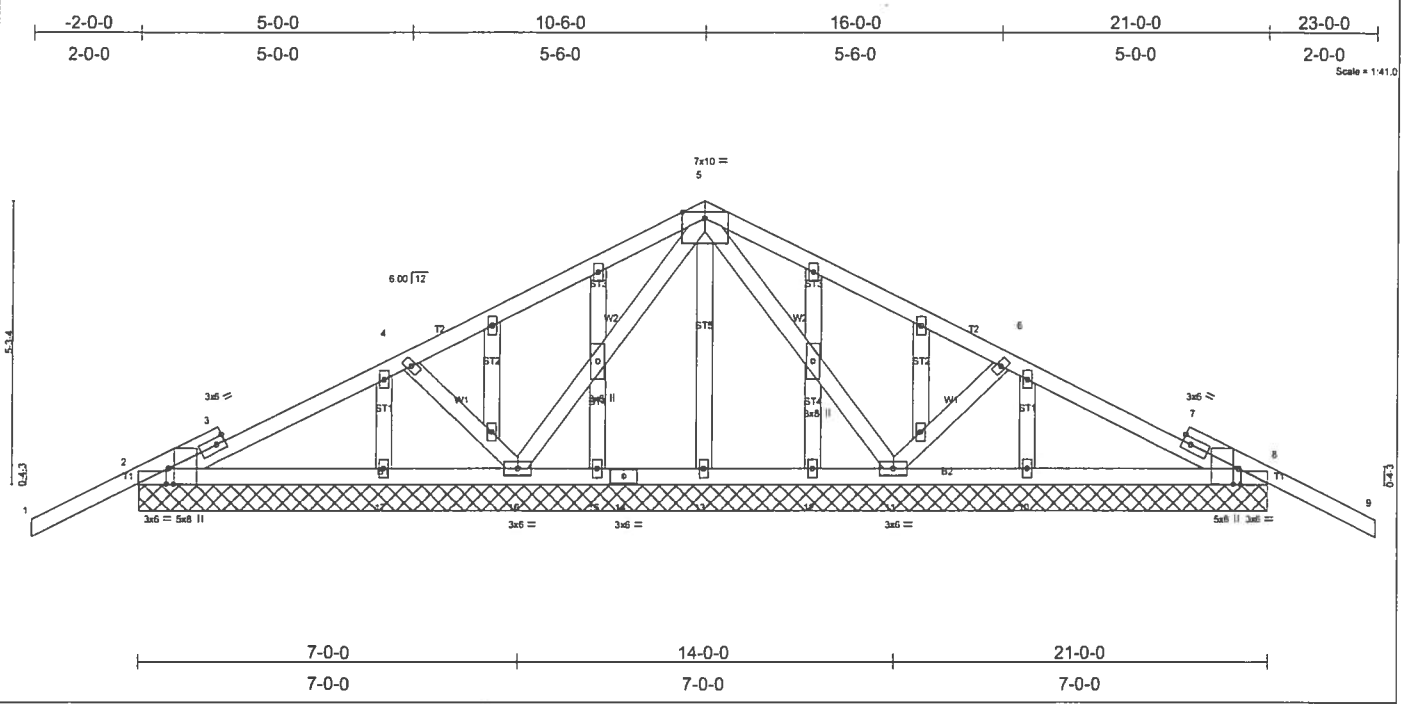


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [8:0-3-8,Edge], [8:0-0-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.02	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.03	9	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=599/21-0-0, 8=599/21-0-0, 16=910/21-0-0, 11=910/21-0-0, 13=60/21-0-0, 15=60/21-0-0, 17=141/21-0-0, 12=60/21-0-0, 10=141/21-0-0
Max Horz 2=107(load case 5)
Max Uplift2=-329(load case 5), 8=-344(load case 6), 16=-416(load case 5), 11=-400(load case 6)
Max Grav 2=607(load case 9), 8=607(load case 10), 16=910(load case 1), 11=910(load case 1), 13=61(load case 9), 15=60(load case 1), 17=141(load case 1), 12=60(load case 1), 10=141(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/99, 2-3=-222/143, 3-4=-35/124, 4-5=-86/477, 5-6=-79/477, 6-7=-35/124, 7-8=-222/143, 8-9=-15/99
BOT CHORD 2-17=-63/129, 16-17=-63/129, 15-16=0/138, 14-15=0/138, 13-14=0/138, 12-13=0/138, 11-12=0/138, 10-11=0/129, 8-10=0/129
WEBS 4-16=-584/380, 5-16=-583/257, 5-11=-583/257, 6-11=-584/380

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) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 329 lb uplift at joint 2, 344 lb uplift at joint 8, 416 lb uplift at joint 16 and 400 lb uplift at joint 11.
8) 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: 1-5=-114(F=-60), 5-9=-114(F=-60), 2-8=-30

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

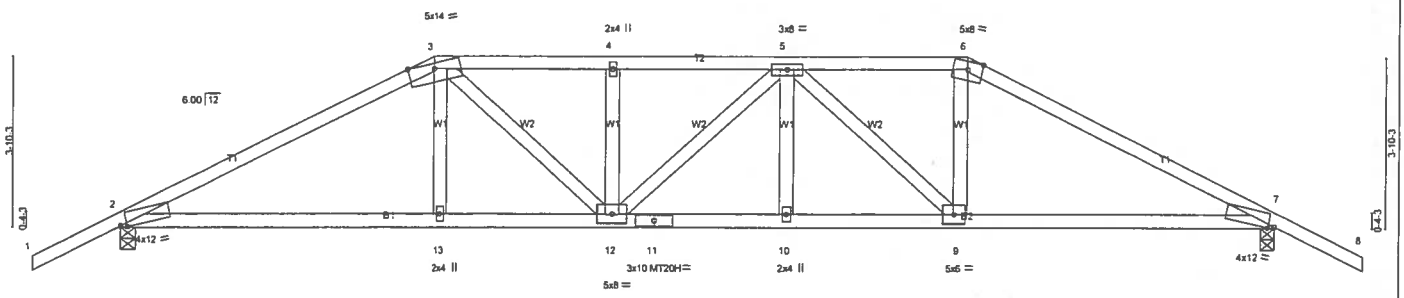
Dwg.#0223061149

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T03	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:07 2006 Page 1

-2-0-0	7-0-0	11-0-9	14-11-7	19-0-0	26-0-0	28-0-0
2-0-0	7-0-0	4-0-9	3-10-13	4-0-9	7-0-0	2-0-0

Scale = 1:49.7



7-0-0	11-0-9	14-11-7	19-0-0	26-0-0
7-0-0	4-0-9	3-10-13	4-0-9	7-0-0

Plate Offsets (X,Y): [2:0-1-13,Edge], [7:0-1-13,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	0.71	Vert(LL)	-0.29	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	1.00	Vert(TL)	-0.47	10-12	>660	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.53	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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 2-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-7-4 oc bracing.

REACTIONS (lb/size) 2=2317/0-4-0, 7=2317/0-4-0
Max Horz 2=-87(load case 5)
Max Uplift2=-1014(load case 4), 7=-1014(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-4284/1764, 3-4=-4535/1965, 4-5=-4535/1965, 5-6=-3794/1628, 6-7=-4285/1764, 7-8=0/47
BOT CHORD 2-13=-1526/3732, 12-13=-1536/3765, 11-12=-1873/4533, 10-11=-1873/4533, 9-10=-1873/4533, 7-9=-1485/3733
WEBS 3-13=-235/797, 3-12=-559/1132, 4-12=-478/398, 5-12=-31/36, 5-10=0/242, 5-9=-1106/550, 6-9=-585/1531

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; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1014 lb uplift at joint 2 and 1014 lb uplift at joint 7.
6) Girder carries hip end with 7-0-0 end setback.
7) 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.
8) 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, 3-6=-117(F=-63), 6-8=-54, 2-13=-30, 9-13=-65(F=-35), 7-9=-30
Concentrated Loads (lb)
Vert: 13=-539(F) 9=-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

Dwg.#0223061150

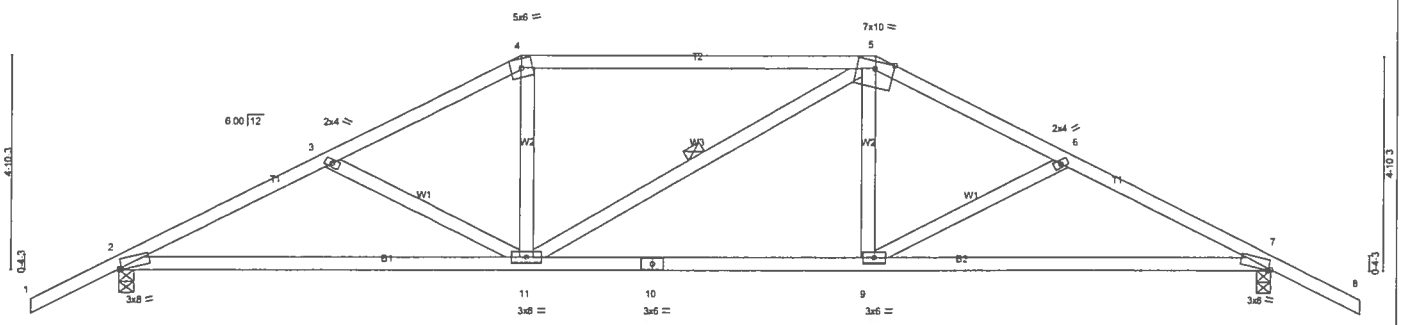
Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T04	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:07 2006 Page 1

-2-0-0 | 4-9-4 | 9-0-0 | 17-0-0 | 21-2-12 | 26-0-0 | 28-0-0

2-0-0 | 4-9-4 | 4-2-12 | 8-0-0 | 4-2-12 | 4-9-4 | 2-0-0

Scale = 1:49.7



9-0-0 | 17-0-0 | 26-0-0

9-0-0 | 8-0-0 | 9-0-0

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.18	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.30	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 127 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 4-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-11 oc bracing.
WEBS 1 Row at midpt 5-11

REACTIONS (lb/size) 2=1195/0-4-0, 7=1195/0-4-0
Max Horz 2=101(load case 5)
Max Uplift2=-450(load case 5), 7=-450(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1843/759, 3-4=-1633/675, 4-5=-1439/666, 5-6=-1633/676, 6-7=-1843/759, 7-8=0/47
BOT CHORD 2-11=-510/1597, 10-11=-357/1439, 9-10=-357/1439, 7-9=-510/1597
WEBS 3-11=-191/179, 4-11=-26/342, 5-11=-120/121, 5-9=-26/342, 6-9=-192/179

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 450 lb uplift at joint 2 and 450 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

Dwg.#0223061151

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T05	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:08 2006 Page 1

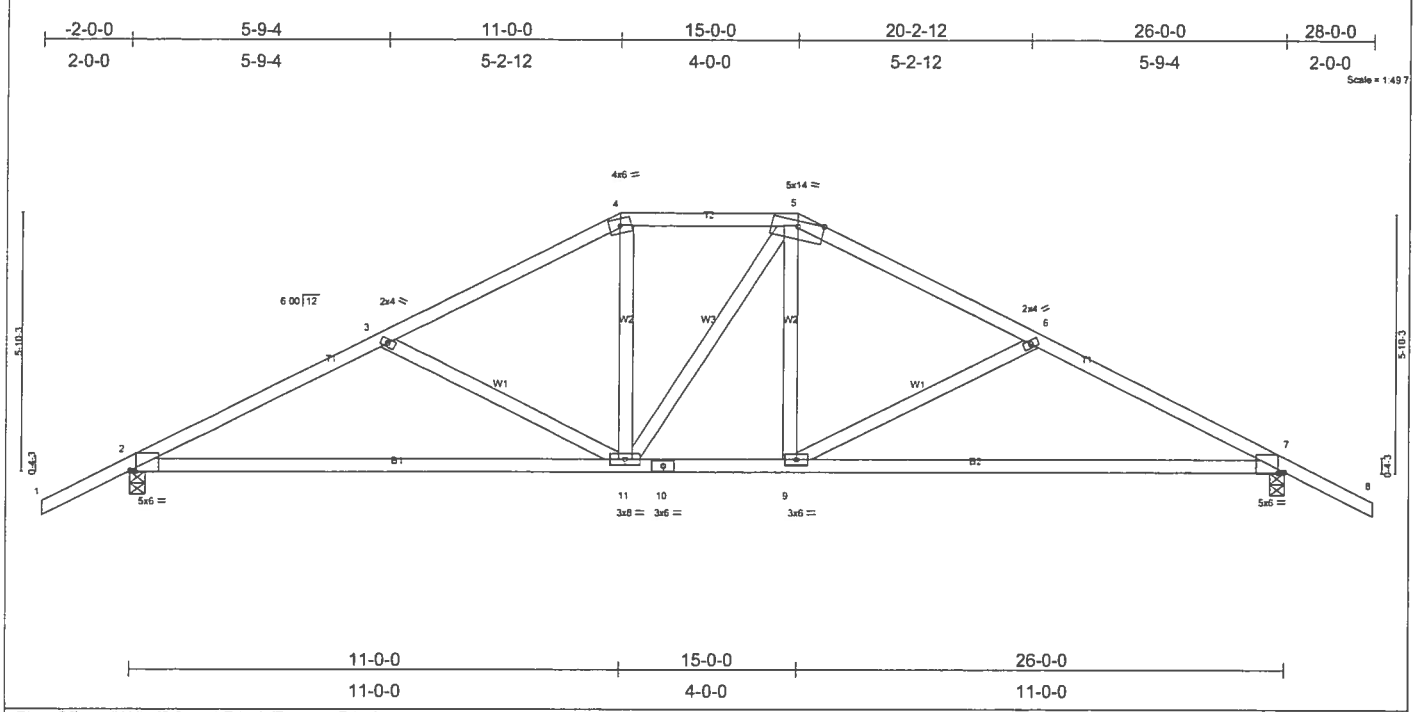


Plate Offsets (X,Y): [2:0-1-11,Edge], [7:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.36	7-9	>859	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.62	7-9	>498	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 4-1-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-3 oc bracing.

REACTIONS (lb/size) 2=1195/0-4-0, 7=1195/0-4-0
Max Horz 2=-115(load case 6)
Max Uplift2=-464(load case 5), 7=-464(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1796/785, 3-4=-1463/631, 4-5=-1253/625, 5-6=-1462/631, 6-7=-1796/785, 7-8=0/47
BOT CHORD 2-11=-527/1564, 10-11=-264/1252, 9-10=-264/1252, 7-9=-527/1564
WEBS 3-11=-362/298, 4-11=-89/386, 5-11=-126/129, 5-9=-89/386, 6-9=-363/298

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 464 lb uplift at joint 2 and 464 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

Dwg.#0223061152

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T06	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:09 2006 Page 1

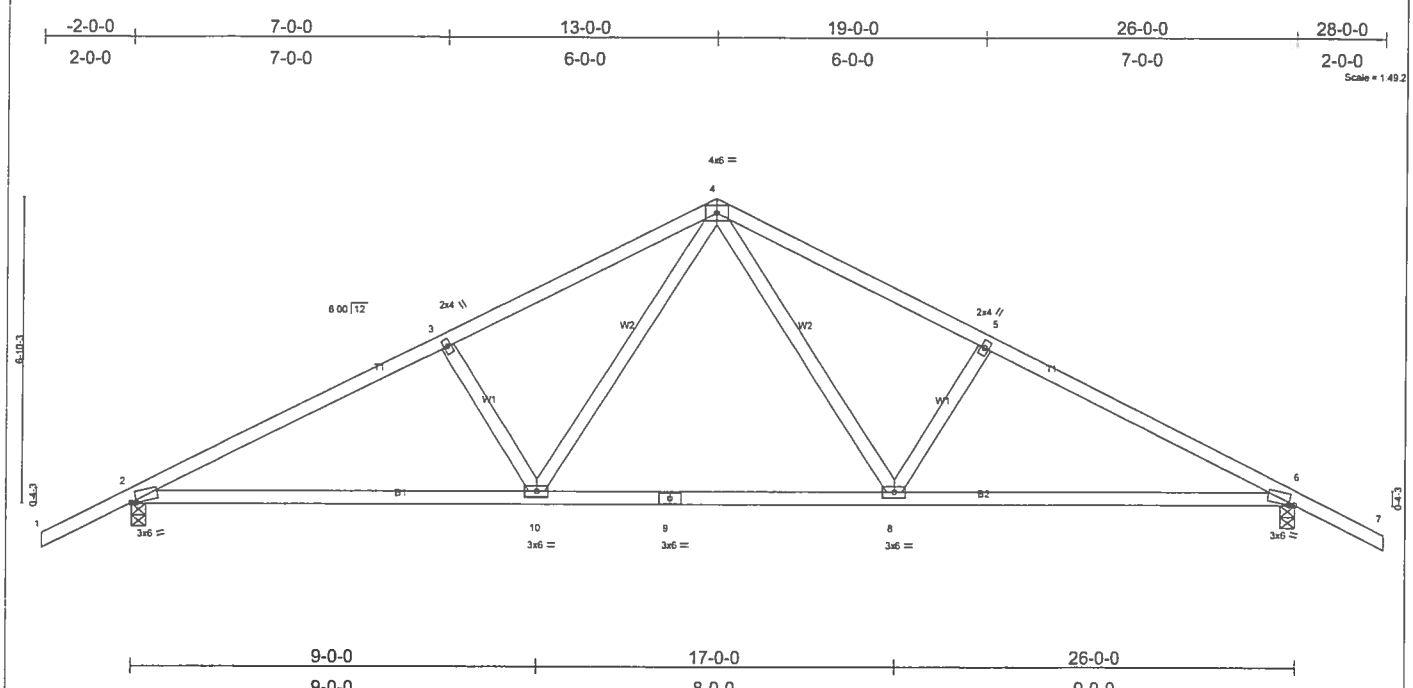


Plate Offsets (X,Y): [2:0-1-9,0-0-7], [6:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.20	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.33	2-10	>927	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 122 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-0 oc bracing.

REACTIONS (lb/size) 2=1195/0-4-0, 6=1195/0-4-0
Max Horz 2=129(load case 5)
Max Uplift2=-476(load case 5), 6=-476(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1813/760, 3-4=-1625/763, 4-5=-1625/763, 5-6=-1813/760, 6-7=0/47
BOT CHORD 2-10=-492/1545, 9-10=-210/1053, 8-9=-210/1053, 6-8=-492/1545
WEBS 3-10=-335/303, 4-10=-245/650, 4-8=-245/650, 5-8=-335/303

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.

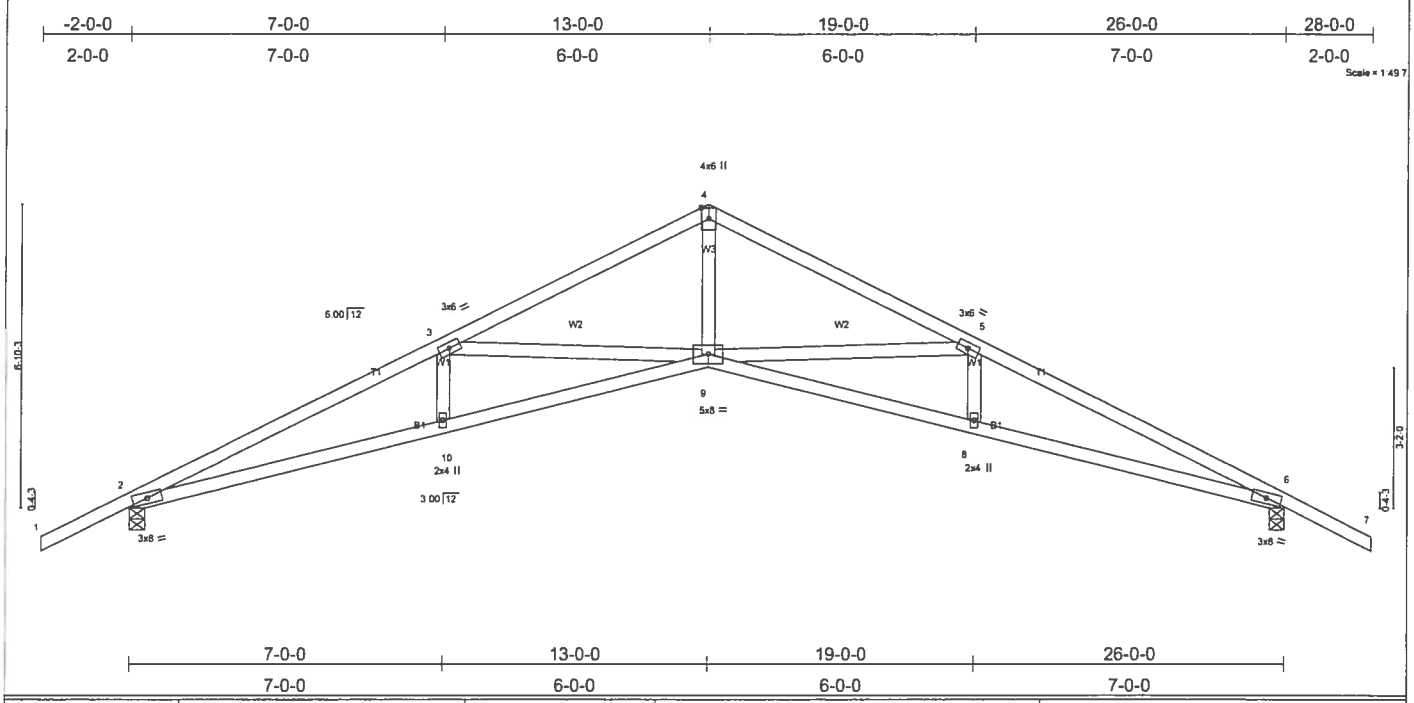
LOAD CASE(S) Standard

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

Dwg.#0223061153

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T06V	SCISSOR	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:10 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	0.50	Vert(LL)	-0.35	9-10	>870	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.57	9-10	>541	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.59	Horz(TL)	0.41	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 2-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-5 oc bracing.

REACTIONS (lb/size) 2=1195/0-4-0, 6=1195/0-4-0
Max Horz 2=-128(load case 6)
Max Uplift2=-476(load case 5), 6=-476(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3407/1218, 3-4=-2408/836, 4-5=-2408/836, 5-6=-3407/1218, 6-7=0/46
BOT CHORD 2-10=-930/3063, 9-10=-931/3059, 8-9=-931/3059, 6-8=-930/3063
WEBS 3-10=0/200, 3-9=-912/495, 4-9=-486/1763, 5-9=-912/495, 5-8=0/200

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

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

Dwg.#0223061154

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T06VA	SCISSORS	8	1	Job Reference (optional)

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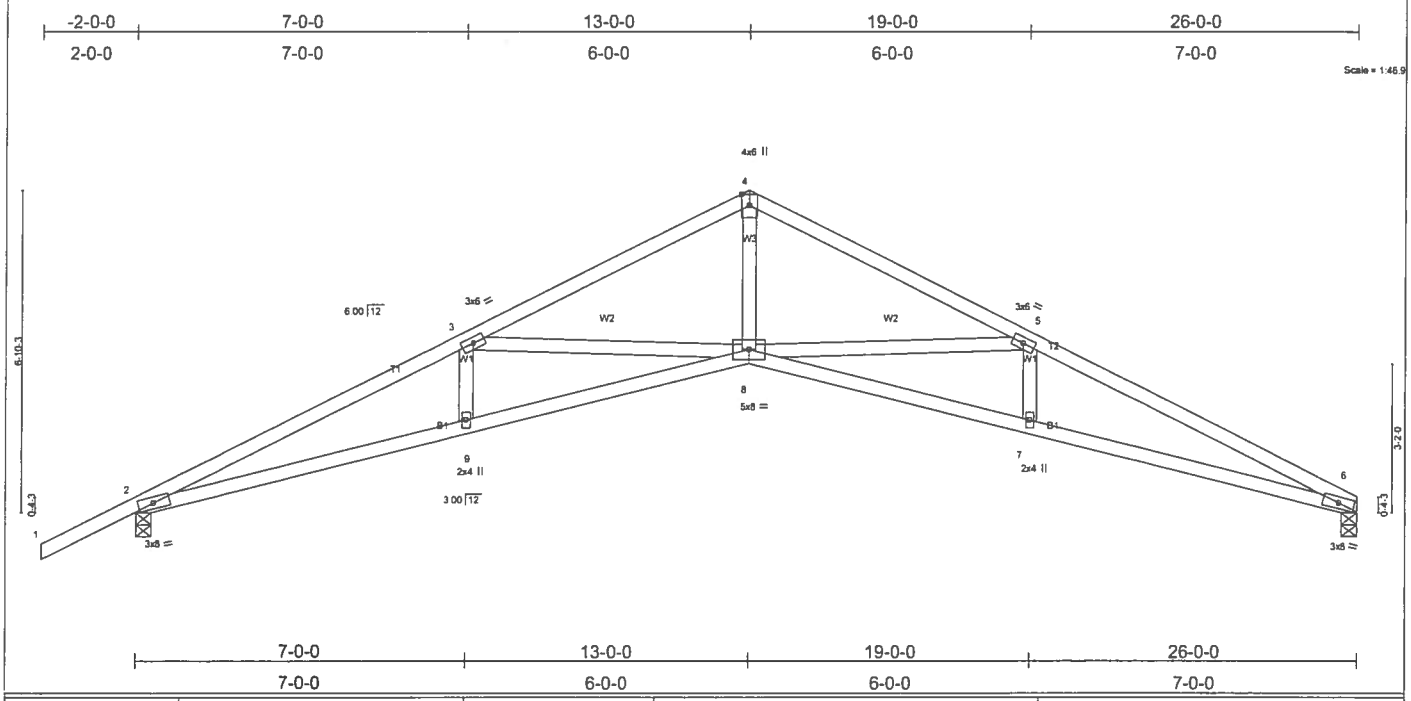


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.36	8-9	>858	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.58	8-9	>535	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.41	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-8 oc bracing.

REACTIONS (lb/size) 2=1200/0-4-0, 6=1073/0-4-0
Max Horz 2=152(load case 5)
Max Uplift2=-478(load case 5), 6=-348(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3425/1326, 3-4=-2425/946, 4-5=-2426/948, 5-6=-3475/1406
BOT CHORD 2-9=-1105/3079, 8-9=-1107/3074, 7-8=-1187/3124, 6-7=-1190/3132
WEBS 3-9=0/200, 3-8=-911/493, 4-8=-589/1782, 5-8=-961/571, 5-7=0/216

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 478 lb uplift at joint 2 and 348 lb uplift at joint 6.

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

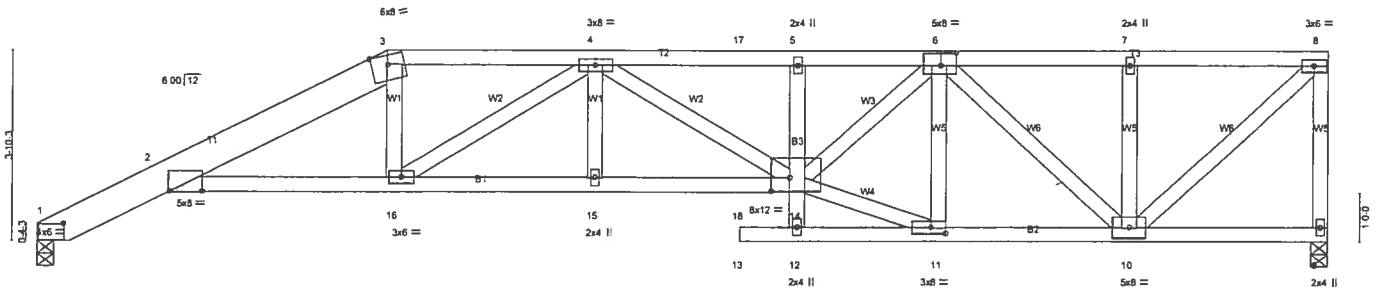
Dwg.#0223061155

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T07	SPECIAL	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:12 2006 Page 1

-2-0-0	7-0-0	11-2-8	15-1-8	18-1-9	21-11-15	26-0-0
2-0-0	7-0-0	4-2-8	3-11-0	3-0-1	3-10-5	4-0-1

Scale = 1:44.5



7-0-0	11-2-8	14-1-8	15-1-8	18-1-9	21-11-15	26-0-0
7-0-0	4-2-8	2-11-0	1-0-0	3-0-1	3-10-5	4-0-1

Plate Offsets (X,Y): [2:0-7-12,0-0-0], [6:0-3-12,0-3-0], [11:0-3-8,0-1-8], [14:14-7-4,0-11-6], [14:0-4-8,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.29	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.46	14-15	>667	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.56	Horz(TL)	0.26	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 304 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 5-5-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-4 oc bracing.

REACTIONS (lb/size) 1=1987/0-4-0, 9=2365/0-4-0
Max Horz 1=168(load case 4)
Max Uplift1=-674(load case 4), 9=-983(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-767/192, 2-3=-5287/1930, 3-4=-5090/1902, 4-17=-5856/2279, 5-17=-5856/2279, 5-6=-5734/2234, 6-7=-2240/919, 7-8=-2240/919, 8-9=-2229/991
BOT CHORD 2-16=-1879/5007, 15-16=-2249/5870, 15-18=-2249/5870, 14-18=-2249/5870, 12-14=0/205, 5-14=-366/275, 12-13=0/0, 11-12=-150/312, 10-11=-1461/3641, 9-10=-27/61
WEBS 3-16=-447/1263, 4-16=-932/455, 4-15=-37/278, 4-14=-83/14, 11-14=-1383/3516, 6-14=-1039/2806, 6-11=-985/516, 6-10=-1912/741, 7-10=-459/388, 8-10=-1212/2962

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) 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.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 674 lb uplift at joint 1 and 983 lb uplift at joint 9.
7) Girder carries tie-in span(s): 4-7-2 from 7-0-0 to 14-1-8; 4-2-14 from 7-0-0 to 14-1-8
8) Girder carries hip end with 0-0-0 right side setback, 11-5-10 left side setback, and 7-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 400 lb down and 151 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-65, 2-3=-54, 3-17=-101(F=-47), 8-17=-117(F=-63), 2-16=-30, 16-18=-70(F=-40), 14-18=-65(F=-35), 12-13=-65(F=-35), 9-12=-65(F=-35)
Concentrated Loads (lb)
Vert: 16=-400(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

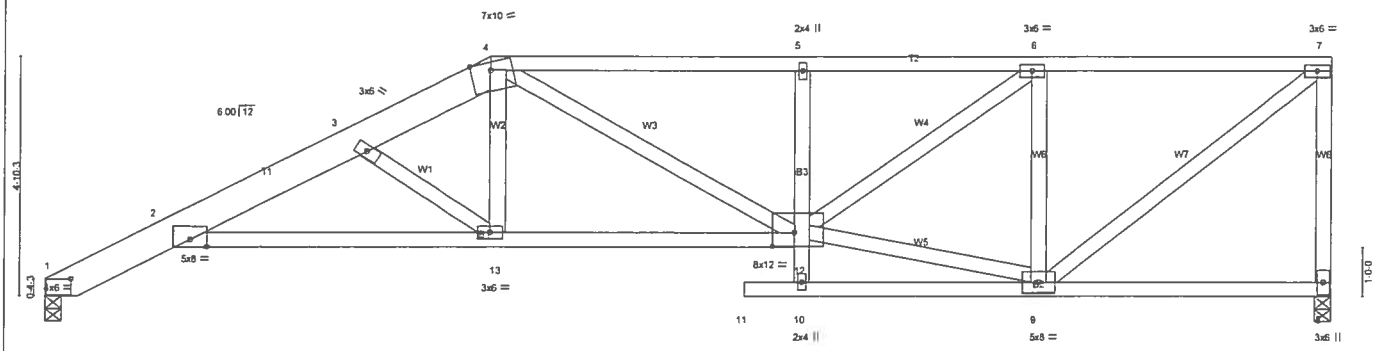
Dwg.#0223061156

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T08	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Feb 22 14:16:13 2006 Page 1

-2-0-0	6-6-0	9-0-0	15-1-8	20-0-12	26-0-0
2-0-0	6-6-0	2-6-0	6-1-8	4-11-4	5-11-4

Scale = 1:44.5



2-4-0	9-0-0	14-1-8	15-1-8	20-0-12	26-0-0
2-4-0	6-8-0	5-1-8	1-0-0	4-11-4	5-11-4

Plate Offsets (X,Y): [12:0-5-3,0-3-5], [12:14-7-3,0-11-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.28	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.46	2-13	>674	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.22	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 157 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 4-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-9-11 oc bracing: 12-13.
1 Row at midpt 2-13

REACTIONS (lb/size) 1=1048/0-4-0, 8=1096/0-4-0
Max Horz 1=211(load case 5)
Max Uplift1=-307(load case 5), 8=-388(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-402/16, 2-3=-2689/1138, 3-4=-2199/923, 4-5=-1997/823, 5-6=-1952/807, 6-7=-1127/459, 7-8=-1005/454
BOT CHORD 2-13=-1261/2619, 12-13=-863/1930, 10-12=0/109, 5-12=-254/192, 10-11=0/0, 9-10=-76/113, 8-9=-17/43
WEBS 4-13=-257/723, 4-12=-109/83, 9-12=-392/1036, 6-12=-432/1028, 6-9=-913/476, 7-9=-562/1379, 3-13=-867/493

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

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

Dwg.#0223061157

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T09	SPECIAL	1	1	Job Reference (optional)

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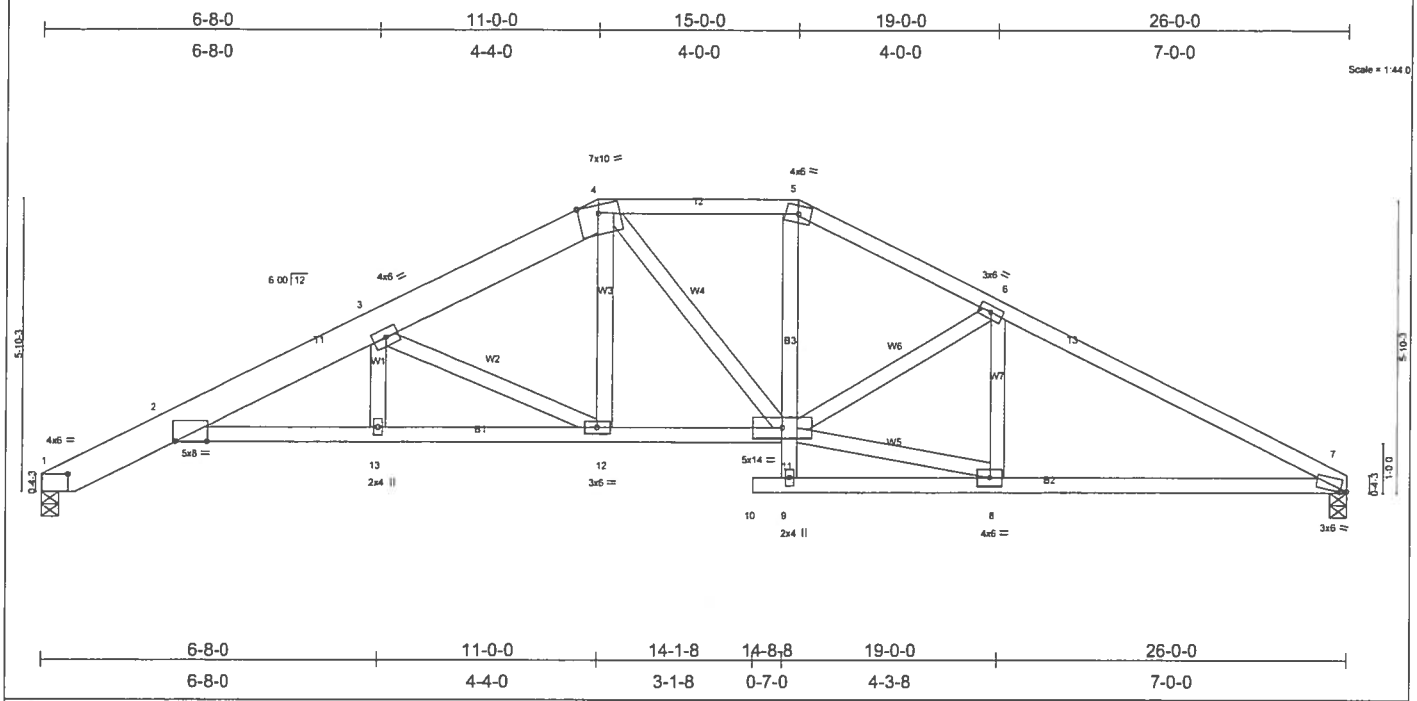

Plate Offsets (X,Y): [2:2-1-10,0-7-14], [2:0-7-8,0-0-0], [7:0-1-8,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0.25	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.41	2-13	>754	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.23	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 148 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 4-1-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-0 oc bracing.
JOINTS 1 Brace at Jt(s): 13

REACTIONS (lb/size) 1=1042/0-4-0, 7=1088/0-4-0
Max Horz 1=84(load case 4)
Max Uplift1=-335(load case 5), 7=-336(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-400/191, 2-3=-2639/1100, 3-4=-1805/796, 4-5=-1524/734, 5-6=-1729/777, 6-7=-1919/799
BOT CHORD 2-13=-962/2524, 12-13=-962/2524, 11-12=-475/1557, 9-11=0/69, 5-11=-237/610, 9-10=0/0, 8-9=-36/94, 7-8=-611/1637
WEBS 4-12=-219/621, 4-11=-163/74, 6-8=-160/148, 6-11=-227/213, 8-11=-592/1588, 3-13=-2/195, 3-12=-1100/550

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 335 lb uplift at joint 1 and 336 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

Dwg.#0223061158

Job	Truss	Truss Type	Qty	Ply	RICHARD KEEN-LOT 12 FORREST AVE
L152342	T10	COMMON	1	1	Job Reference (optional)

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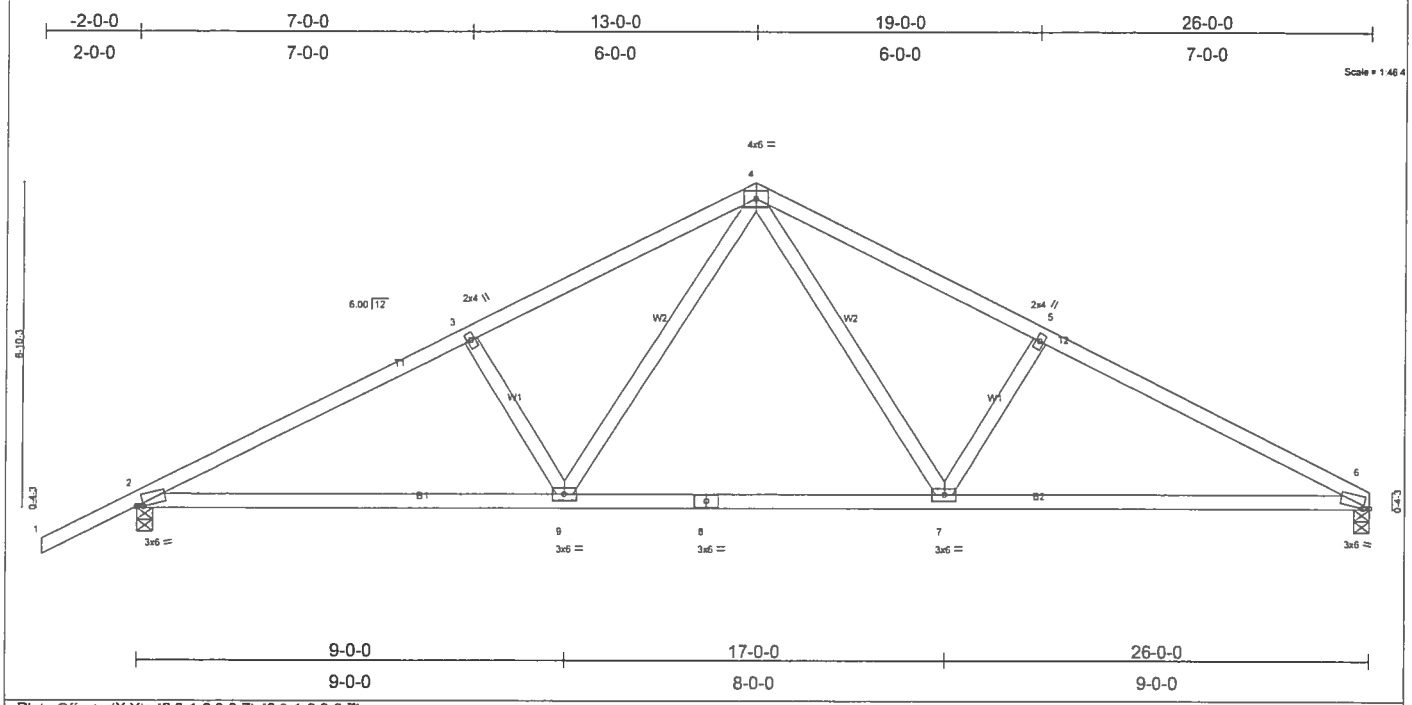

Plate Offsets (X,Y): [2:0-1-8,0-0-7], [6:0-1-8,0-0-7]

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)	-0.23	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.38	6-7	>810	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 119 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 3-10-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-0 oc bracing.

REACTIONS (lb/size) 6=1073/0-4-0, 2=1200/0-4-0
Max Horz 2=154(load case 5)
Max Uplift6=-348(load case 6), 2=-478(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1822/776, 3-4=-1634/779, 4-5=-1653/810, 5-6=-1825/808
BOT CHORD 2-9=-585/1553, 8-9=-304/1062, 7-8=-304/1062, 6-7=-622/1575
WEBS 3-9=-335/304, 4-9=-240/649, 4-7=-290/677, 5-7=-349/326

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 348 lb uplift at joint 6 and 478 lb uplift at joint 2.

LOAD CASE(S) Standard

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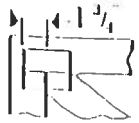
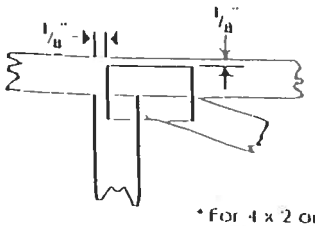
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

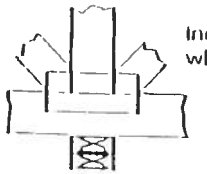
4 X 4

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

LATERAL BRACING

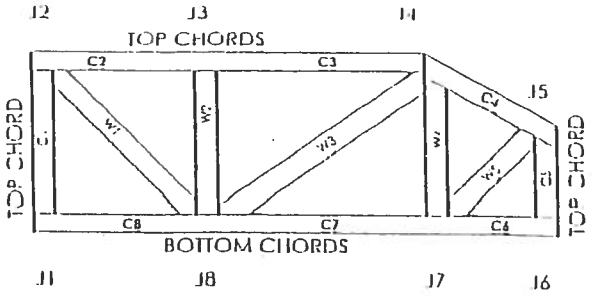
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT.

CONNECTOR PLATE CODE APPROVALS

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

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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