Project Information for:	**L144029**		
Builder:	**RICHARD KEEN**	Date:	12/16/2005
Lot:	**LOT 26 WOODCREST**	Start Number:	**1882**
Subdivision:	**N/A**		
County or City:	**SUWANNEE COUNTY**		
Truss Page Count:	31		

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: **57**

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.

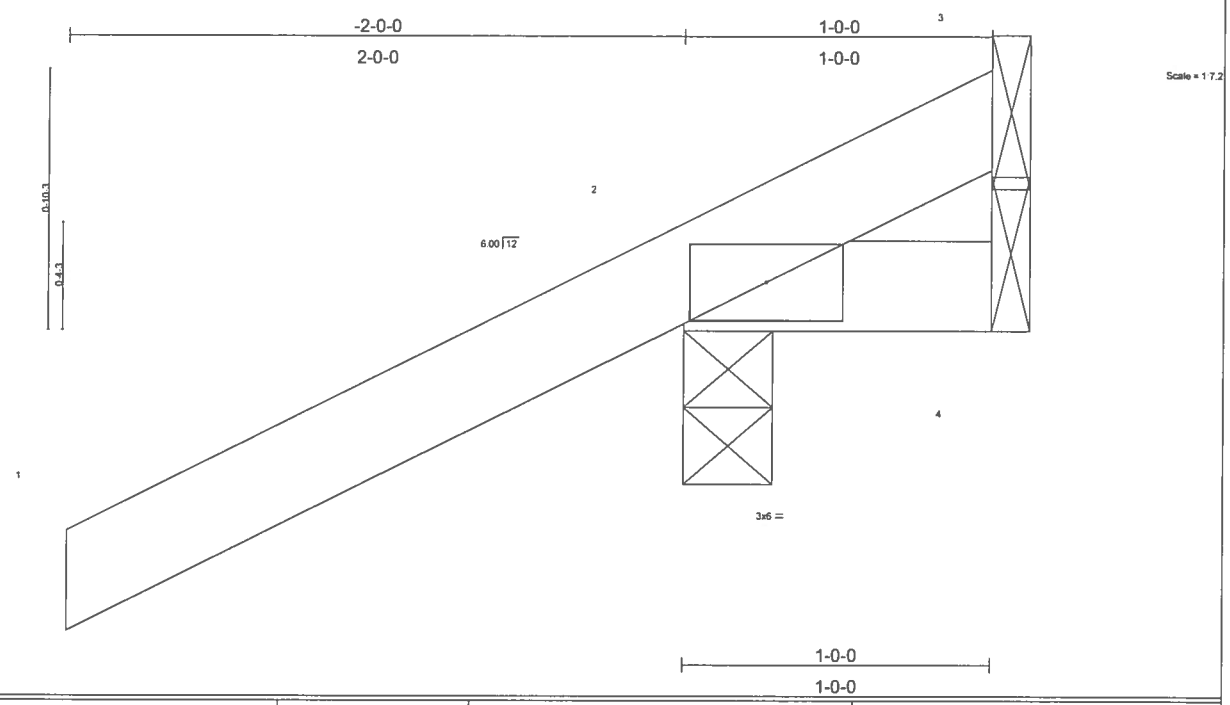
#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1216051882	12/16/2005				
2	CJ3	1216051883	12/16/2005				
3	CJ3A	1216051884	12/16/2005				
4	CJ5	1216051885	12/16/2005				
5	CJ5A	1216051886	12/16/2005				
6	EJ4	1216051887	12/16/2005				
7	EJ7	1216051888	12/16/2005				
8	EJ7A	1216051889	12/16/2005				
9	HJ5	1216051890	12/16/2005				
10	HJ9	1216051891	12/16/2005				
11	HJ9A	1216051892	12/16/2005				
12	T01	1216051893	12/16/2005				
13	T02	1216051894	12/16/2005				
14	T03	1216051895	12/16/2005				
15	T04	1216051896	12/16/2005				
16	T05	1216051897	12/16/2005				
17	T06	1216051898	12/16/2005				
18	T07	1216051899	12/16/2005				
19	T08	1216051900	12/16/2005				
20	T09	1216051901	12/16/2005				
21	T10	1216051902	12/16/2005				
22	T11	1216051903	12/16/2005				
23	T12	1216051904	12/16/2005				
24	T13	1216051905	12/16/2005				
25	T14	1216051906	12/16/2005				
26	T15	1216051907	12/16/2005				
27	T16	1216051908	12/16/2005				
28	T17	1216051909	12/16/2005				
29	T18	1216051910	12/16/2005				
30	T19	1216051911	12/16/2005				
31	T20	1216051912	12/16/2005				

DEC 16 2005

Dwg.#1216051882

Job	Truss	Truss Type	Qty	Ply	
L144029	CJ1	MONO TRUSS	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:22 2005 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=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 5)
Max Uplift2=-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.

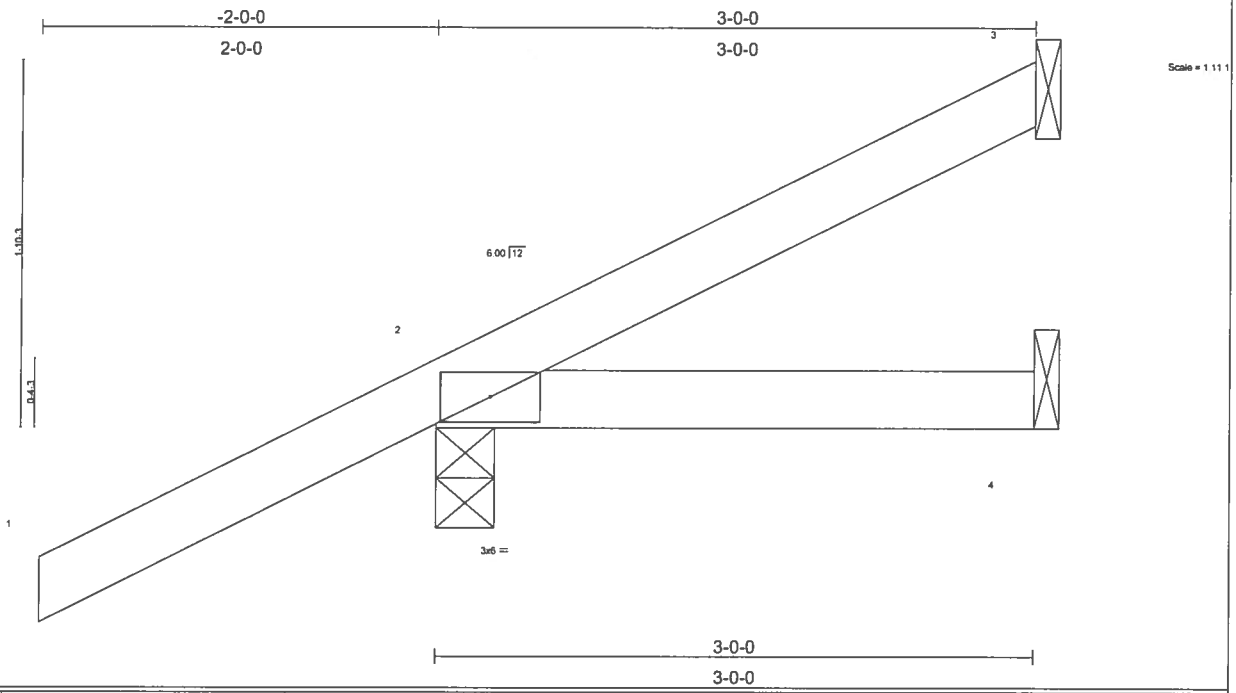
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051883

Job	Truss	Truss Type	Qty	Ply	
L144029	CJ3	MONO TRUSS	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:23 2005 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	0.29	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	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=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift3=-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.

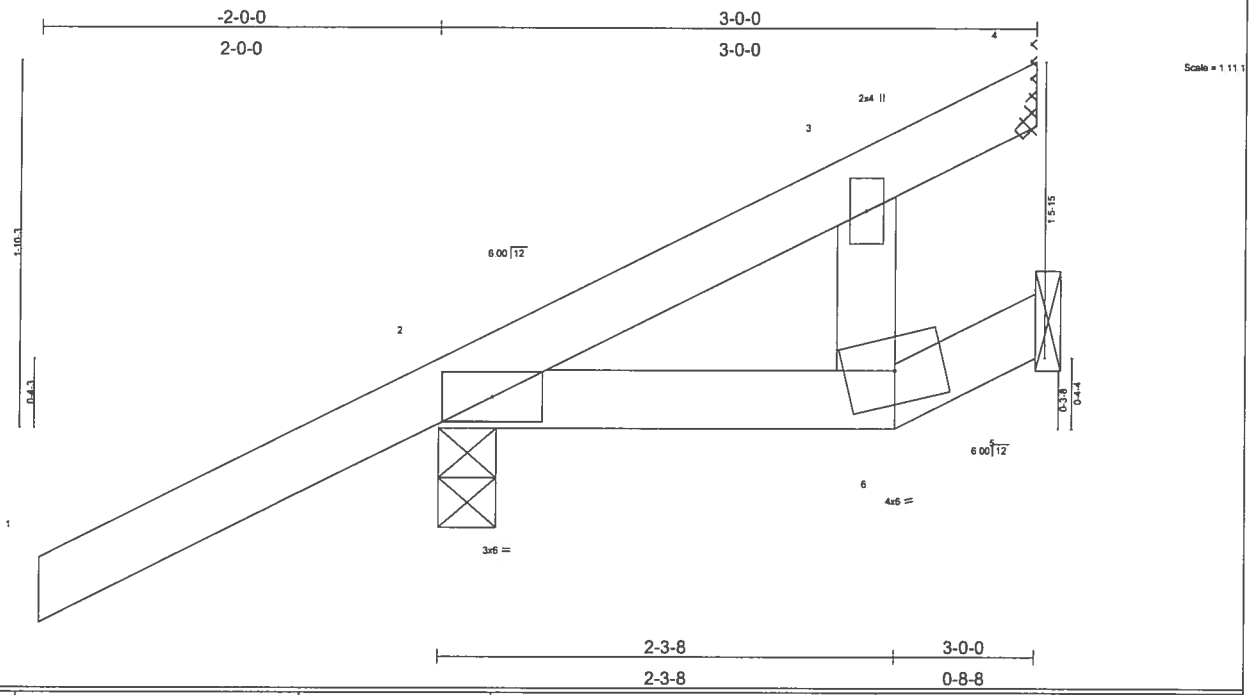
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051884

Job	Truss	Truss Type	Qty	Ply	
L144029	CJ3A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:24 2005 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	0.29	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.01	6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 4=63/Mechanical, 2=278/0-3-8, 5=10/Mechanical
Max Horz 2=132(load case 5)
Max Uplift4=-21(load case 6), 2=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-58/2, 3-4=-18/26
BOT CHORD 2-6=-6/0, 5-6=-4/4
WEBS 3-6=0/42

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 4 and 203 lb uplift at joint 2.

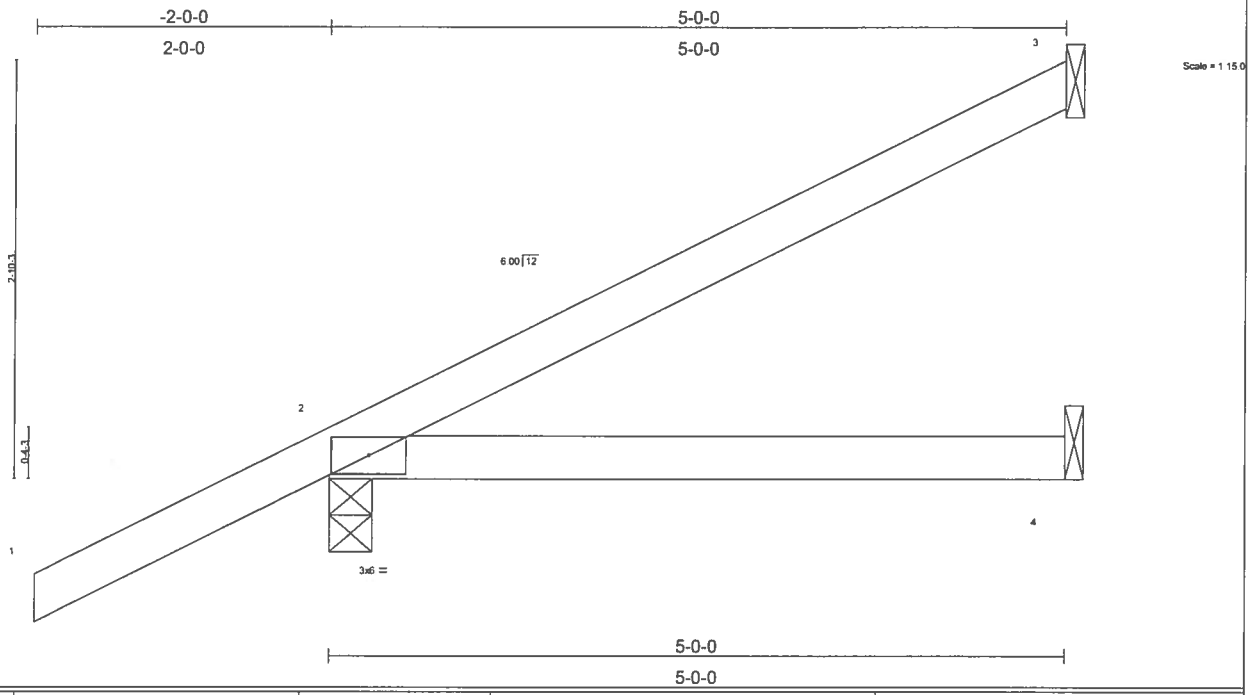
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051885

Job	Truss	Truss Type	Qty	Ply	
L144029	CJ5	MONO TRUSS	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:24 2005 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	0.29	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=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-87(load case 5), 2=-199(load case 5)

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; 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 and 199 lb uplift at joint 2.

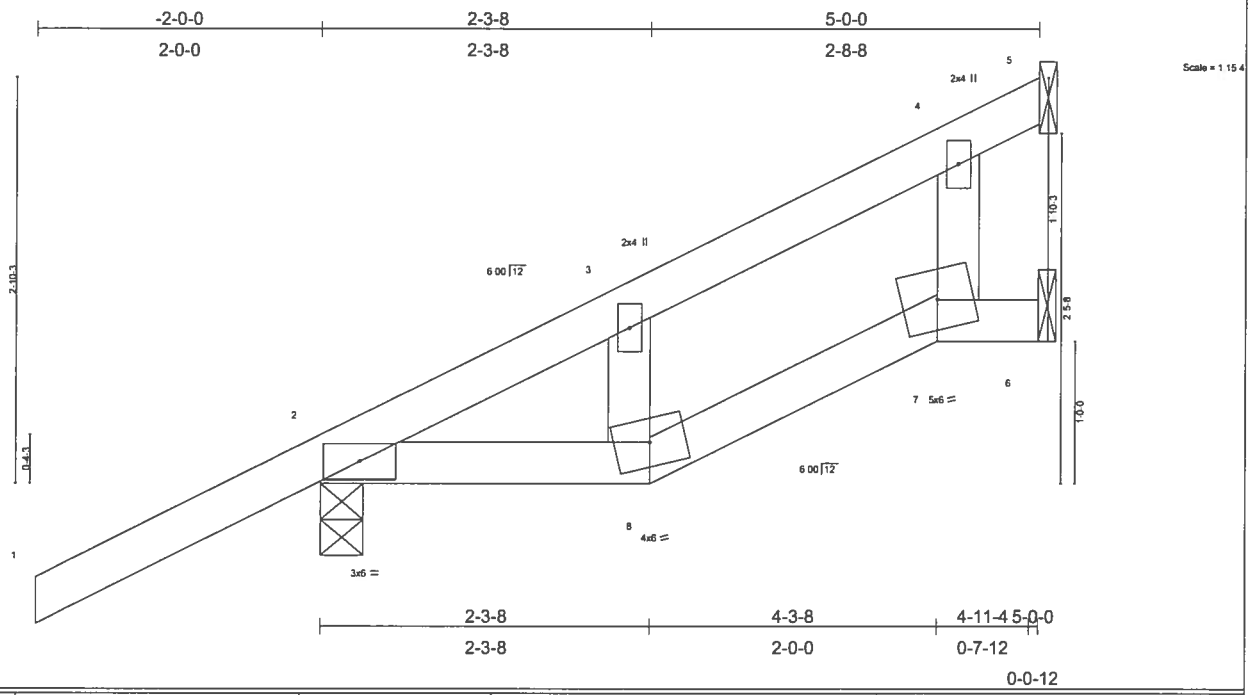
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051886

Job	Truss	Truss Type	Qty	Ply	
L144029	CJ5A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:25 2005 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)	0.06	8	>886	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.10	8	>605	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 5=166/Mechanical, 2=343/0-3-8, 6=10/Mechanical
Max Horz 2=178(load case 5)
Max Uplift5=-75(load case 5), 2=-199(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-92/0, 3-4=-75/33, 4-5=-63/73
BOT CHORD 2-8=-3/0, 7-8=-5/16, 6-7=-0/0
WEBS 3-8=0/60, 4-7=0/42

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 75 lb uplift at joint 5 and 199 lb uplift at joint 2.

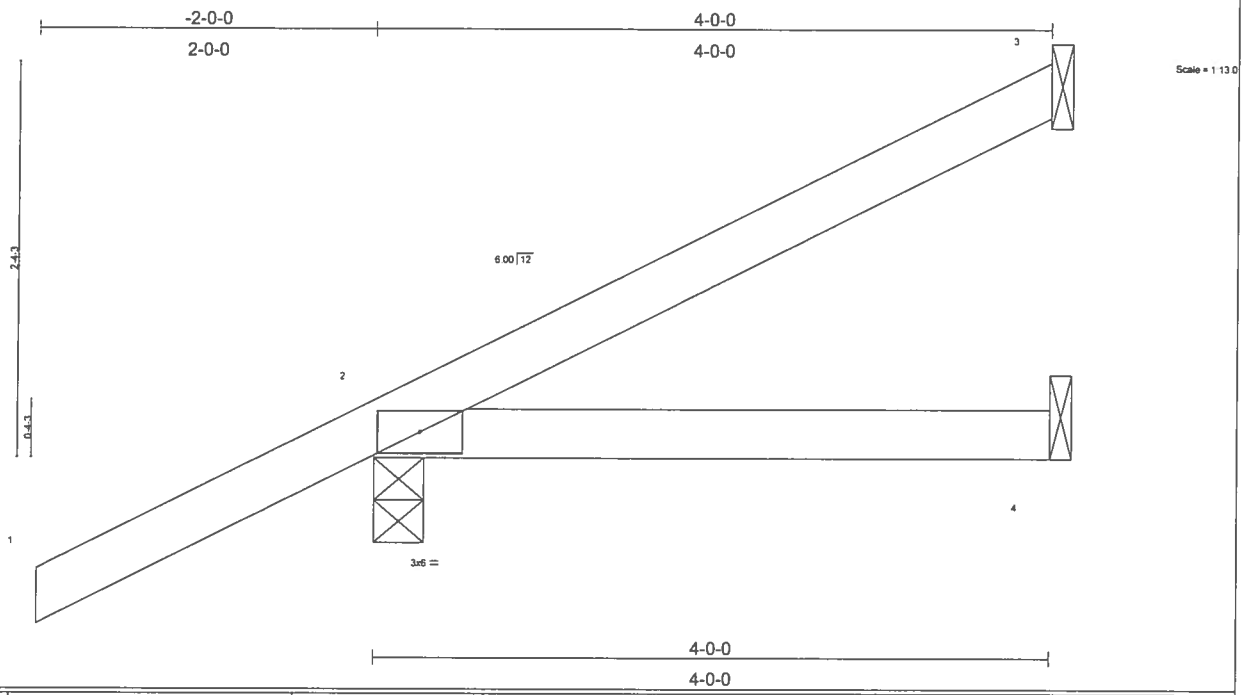
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051887

Job	Truss	Truss Type	Qty	Ply	
L144029	EJ4	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:26 2005 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	0.29	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; 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 54 lb uplift at joint 3, 246 lb uplift at joint 2 and 36 lb uplift at joint 4.

LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051888

Job	Truss	Truss Type	Qty	Ply	
L144029	EJ7	MONO TRUSS	18	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:26 2005 Page 1

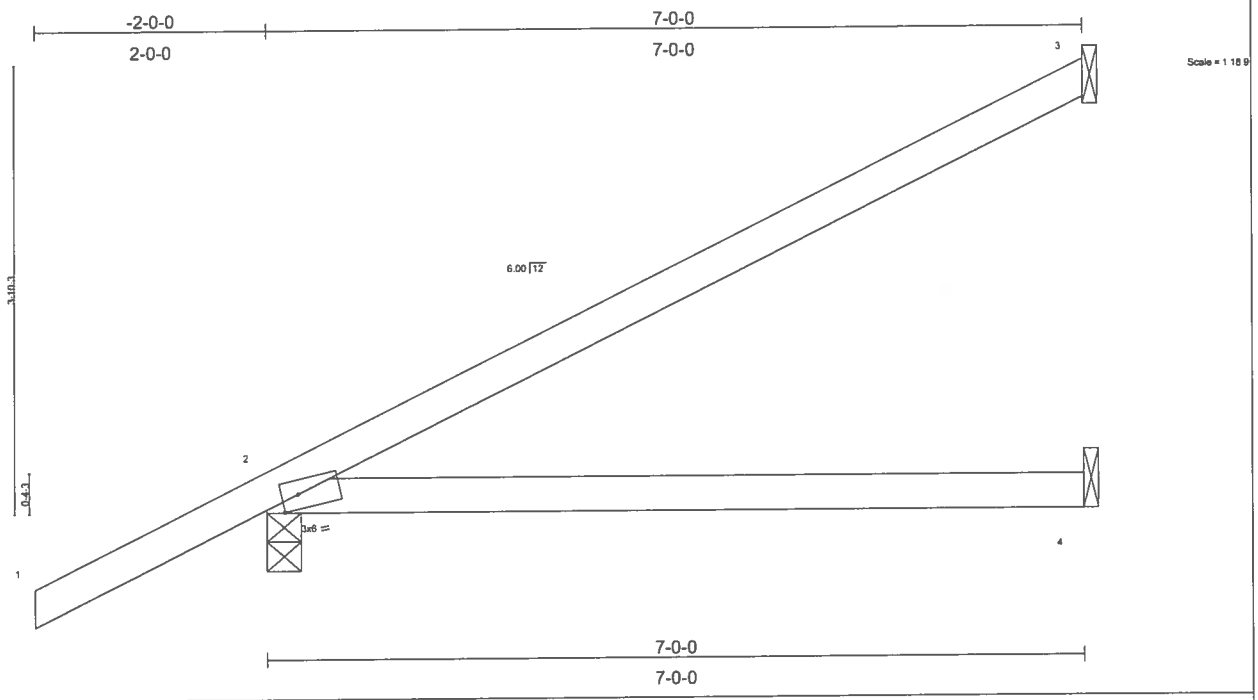


Plate Offsets (X,Y): [2:0-1-12,Edge]

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 Uplift3=-134(load case 5), 2=-210(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 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

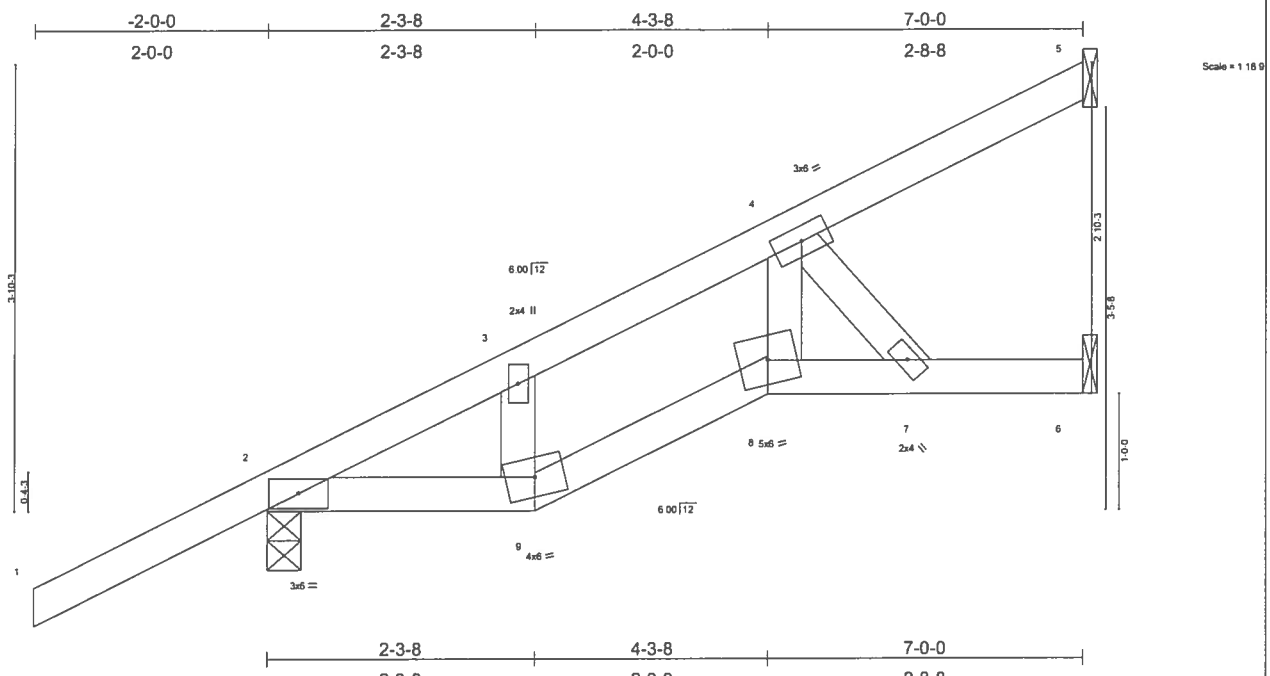
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051889

Job	Truss	Truss Type	Qty	Ply	
L144029	EJ7A	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:27 2005 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	0.29	Vert(LL)	0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.06	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 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) 5=87/Mechanical, 2=419/0-3-8, 6=180/Mechanical
Max Horz 2=224(load case 5)
Max Uplift5=-67(load case 5), 2=-210(load case 5), 6=-59(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-406/61, 3-4=-392/116, 4-5=-53/33
BOT CHORD 2-9=-228/327, 8-9=-229/361, 7-8=-191/270, 6-7=0/0
WEBS 3-9=-116/141, 4-8=-165/368, 4-7=-390/276

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 67 lb uplift at joint 5, 210 lb uplift at joint 2 and 59 lb uplift at joint 6.

LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051890

Job	Truss	Truss Type	Qty	Ply	
L144029	HJ5	MONO TRUSS	1	1	Job Reference (optional)

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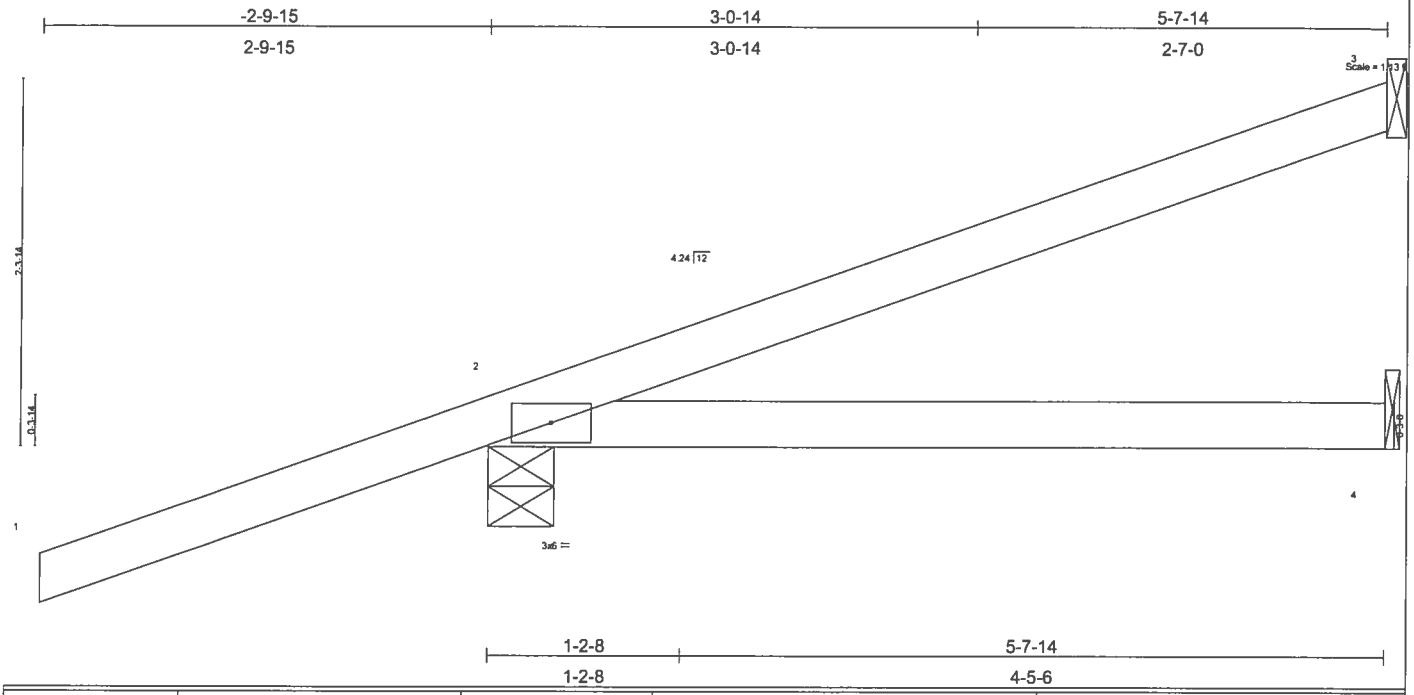

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	0.06	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.06	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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 Uplift3=-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)

DECEMBER 16, 2005 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.#1216051891

Job	Truss	Truss Type	Qty	Ply	
L144029	HJ9	MONO TRUSS	4	1	Job Reference (optional)

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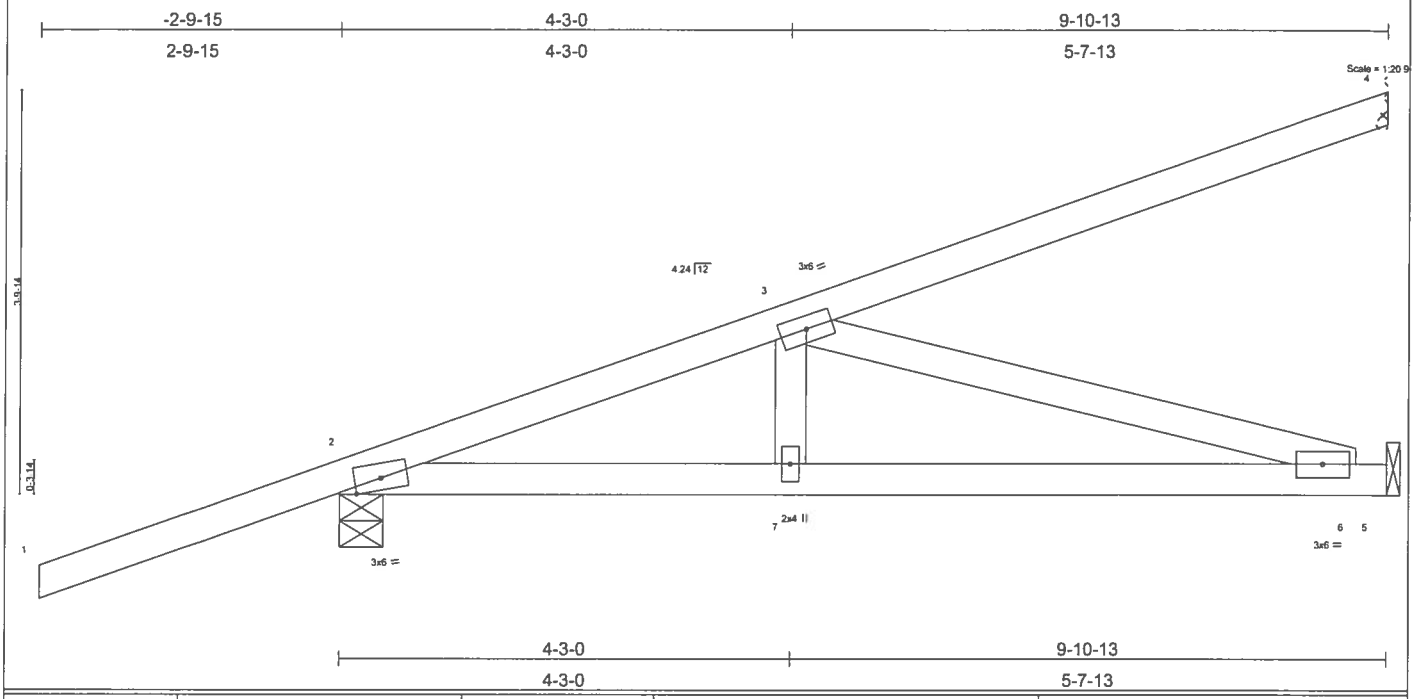

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.17	6-7	>686	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 purlins.
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 Uplift4=-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; 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) Refer to girder(s) for truss to truss connections.
4) 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.
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: 1-2=-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)

DECEMBER 16, 2005 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.#1216051892

Job	Truss	Truss Type	Qty	Ply	
L144029	HJ9A	SPECIAL	1	1	Job Reference (optional)

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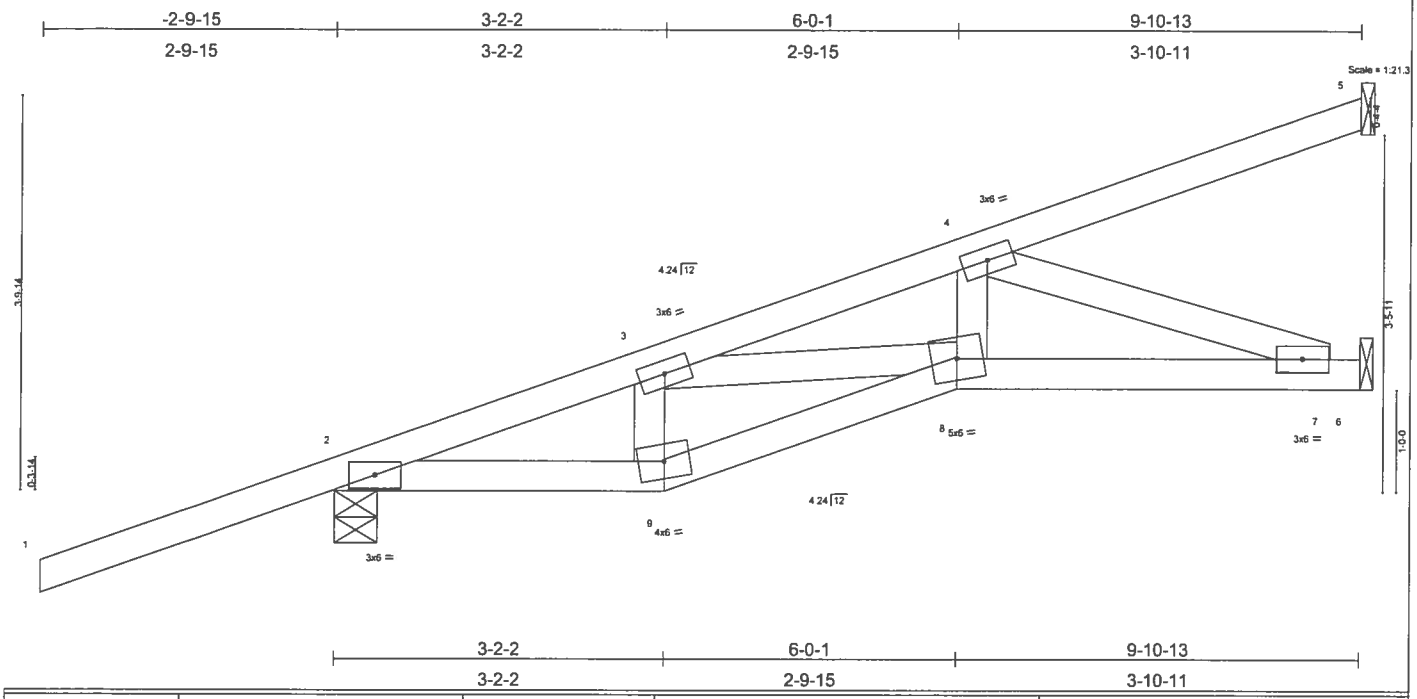

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.04	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.07	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.31	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 47 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.1D *Except*
B1 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 9-8-1 oc bracing.

REACTIONS (lb/size) 5=189/Mechanical, 2=532/0-4-15, 6=457/Mechanical
Max Horz 2=268(load case 2)
Max Uplift5=-159(load case 2), 2=-278(load case 2), 6=-135(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-668/14, 3-4=-1201/330, 4-5=-74/47
BOT CHORD 2-9=-162/597, 8-9=-163/631, 7-8=-478/1071, 6-7=0/0
WEBS 3-9=-219/124, 4-8=-18/415, 3-8=-348/553, 4-7=-1134/506

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 159 lb uplift at joint 5, 278 lb uplift at joint 2 and 135 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-5=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-9=-23(F=4, B=4), 9=-23(F=4, B=4)-to-8=-45(F=-7, B=-7), 8=-45(F=-7, B=-7)-to-6=-74(F=-22, B=-22)

DECEMBER 16, 2005 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.#1216051893

Job	Truss	Truss Type	Qty	Ply	
L144029	T01	HIP	1	1	Job Reference (optional)

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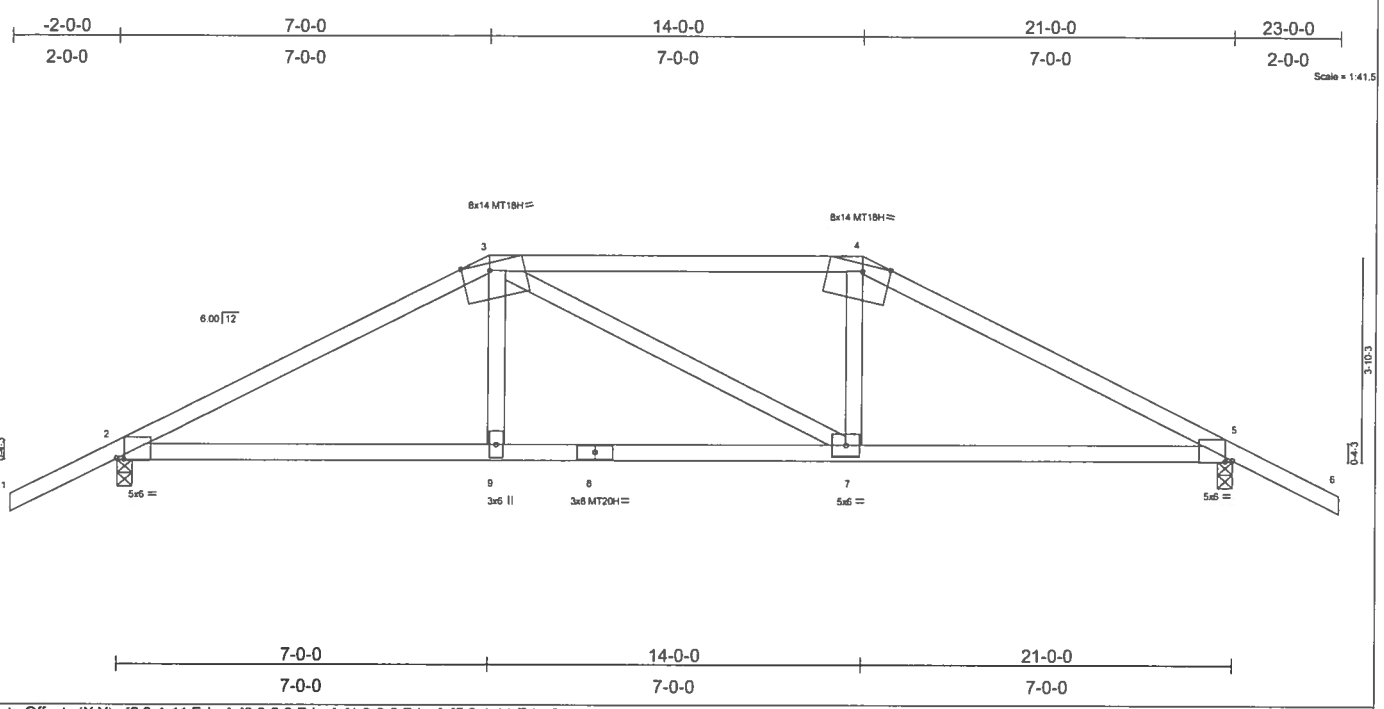

Plate Offsets (X,Y): [2:0-1-11,Edge], [3:0-6-3,Edge], [4:0-6-3,Edge], [5:0-1-11,Edge]

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 Uplift2=-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
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 842 lb uplift at joint 2 and 842 lb uplift at joint 5.
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 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.
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, 3-4=-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)

DECEMBER 16, 2005 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.#1216051894

Job	Truss	Truss Type	Qty	Ply	
L144029	T02	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:31 2005 Page 1

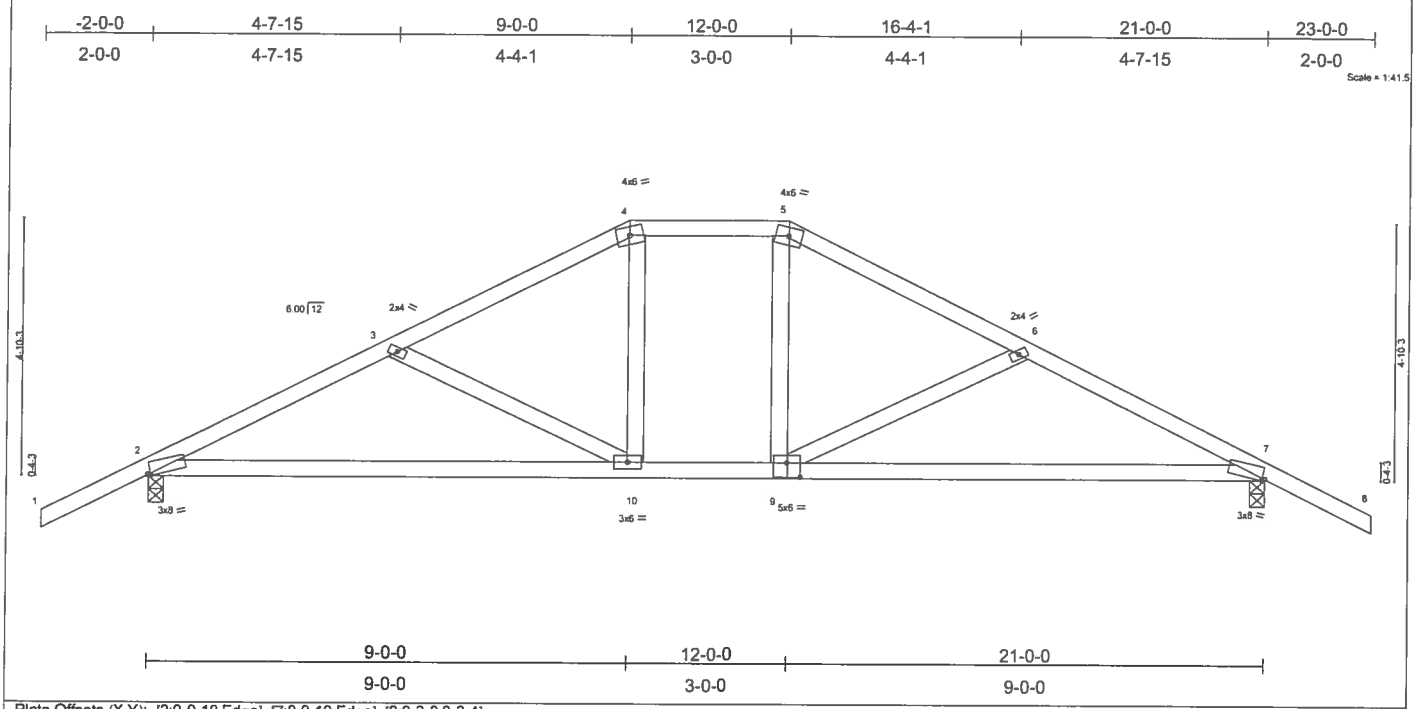

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge], [9:0-3-0,0-3-4]

LOADING (psf)		SPACING	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)	-0.21	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.33	2-10	>761	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	7	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 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 Uplift2=-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

DECEMBER 16, 2005 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.#1216051895

Job	Truss	Truss Type	Qty	Ply	
L144029	T03	COMMON	6	1	Job Reference (optional)

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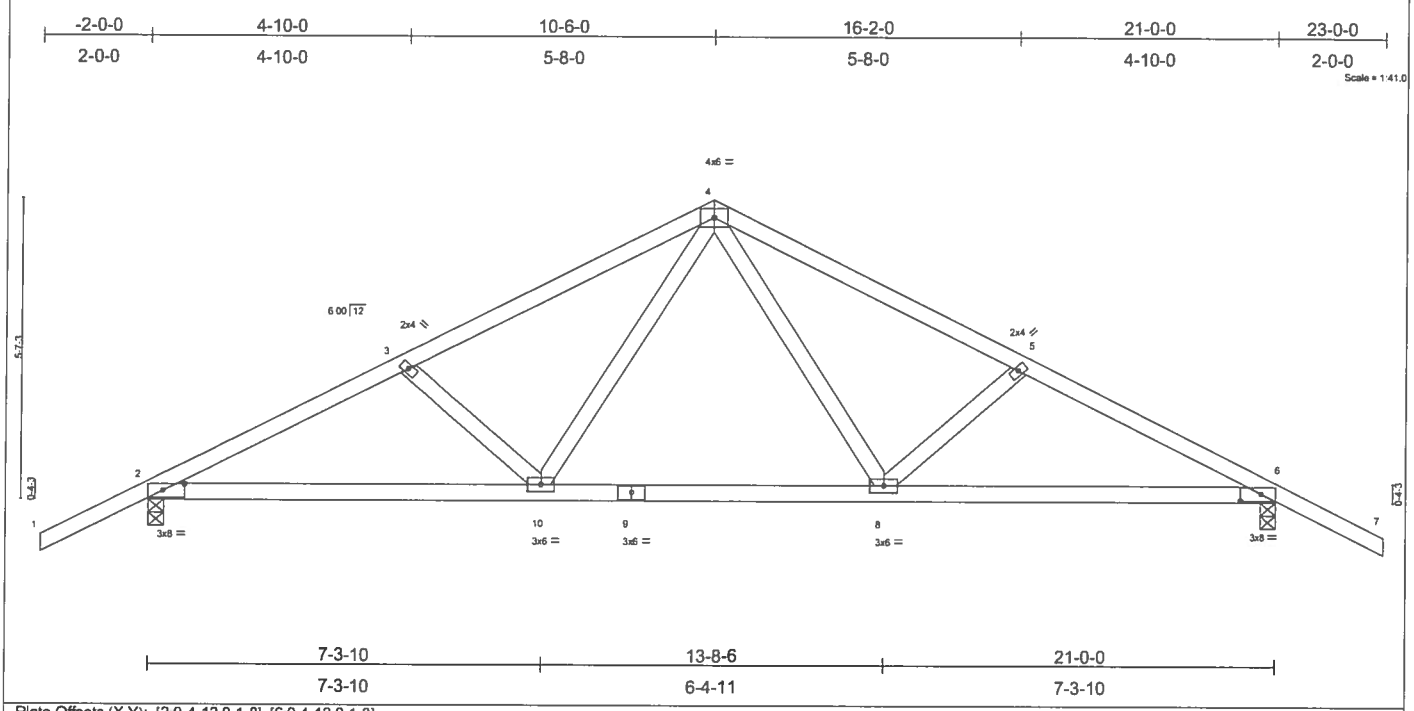


Plate Offsets (X,Y): [2.0-4-12,0-1-8], [6.0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.33	8-10	>746	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.23	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 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 4-5-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-15 oc bracing.

REACTIONS (lb/size) 2=1209/0-3-8, 6=1209/0-3-8
Max Horz 2=-112(load case 6)
Max Uplift2=-493(load case 5), 6=-493(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1985/880, 3-4=-1795/826, 4-5=-1795/826, 5-6=-1985/880, 6-7=0/47
BOT CHORD 2-10=-623/1709, 9-10=-325/1183, 8-9=-325/1183, 6-8=-623/1709
WEBS 3-10=-243/218, 4-10=-266/722, 4-8=-266/722, 5-8=-243/218

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 493 lb uplift at joint 2 and 493 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=-100(F=-70), 6-8=-30

DECEMBER 16, 2005 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

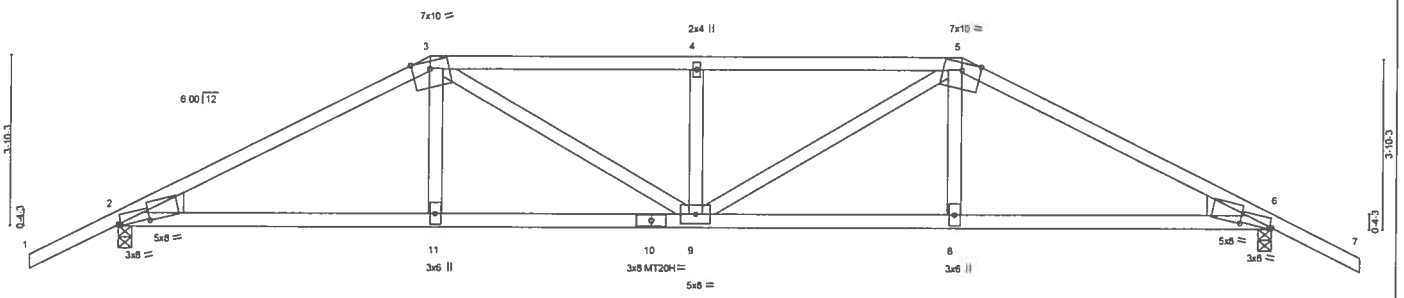
Dwg.#1216051896

Job	Truss	Truss Type	Qty	Ply	
L144029	T04	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:32 2005 Page 1

-2-0-0	7-0-0	13-0-0	19-0-0	26-0-0	28-0-0
2-0-0	7-0-0	6-0-0	6-0-0	7-0-0	2-0-0

Scale = 1:49.7



7-0-0	13-0-0	19-0-0	26-0-0
7-0-0	6-0-0	6-0-0	7-0-0

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	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0.31	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(TL)	-0.50	8-9	>619	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(TL)	0.16	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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 Uplift2=-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
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 1016 lb uplift at joint 2 and 1016 lb uplift at joint 6.
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, 3-5=-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)

DECEMBER 16, 2005 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

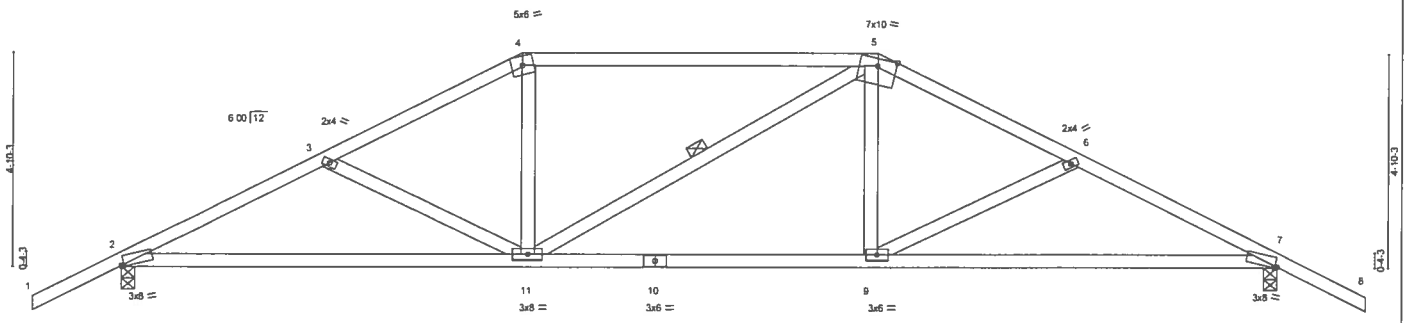
Dwg.#1216051897

Job	Truss	Truss Type	Qty	Ply	
L144029	T05	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:33 2005 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 = 1:49.7



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)	0.07	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 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 Uplift2=-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

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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

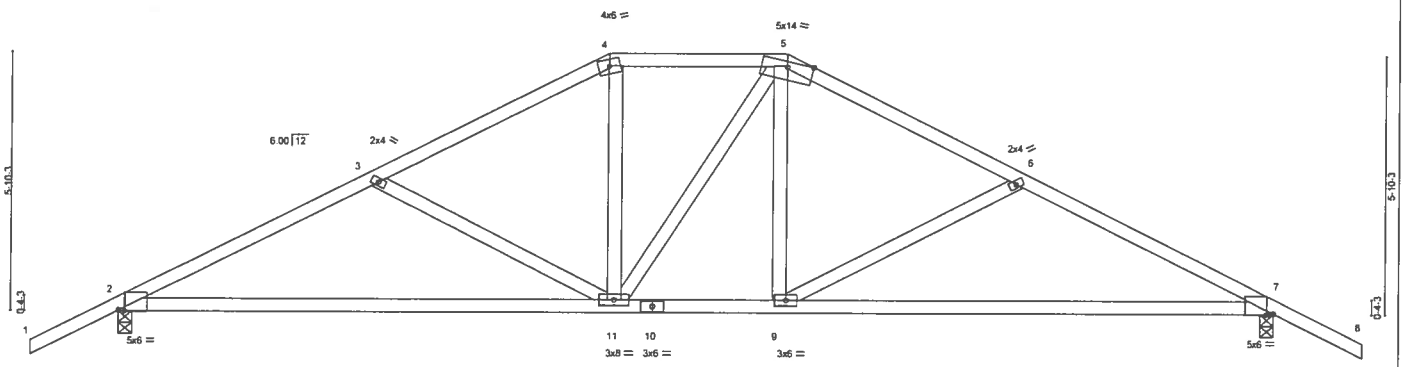
Dwg.#1216051898

Job	Truss	Truss Type	Qty	Ply	
L144029	T06	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:34 2005 Page 1

-2-0-0	5-9-14	11-0-0	15-0-0	20-2-2	26-0-0	28-0-0
2-0-0	5-9-14	5-2-2	4-0-0	5-2-2	5-9-14	2-0-0

Scale = 1:49.7



11-0-0	15-0-0	26-0-0
11-0-0	4-0-0	11-0-0

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	0.40	Vert(LL)	-0.36	7-9	>848	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.63	7-9	>492	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 4-1-3 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 Uplift2=-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; 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

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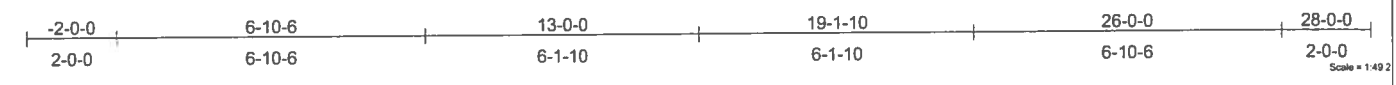
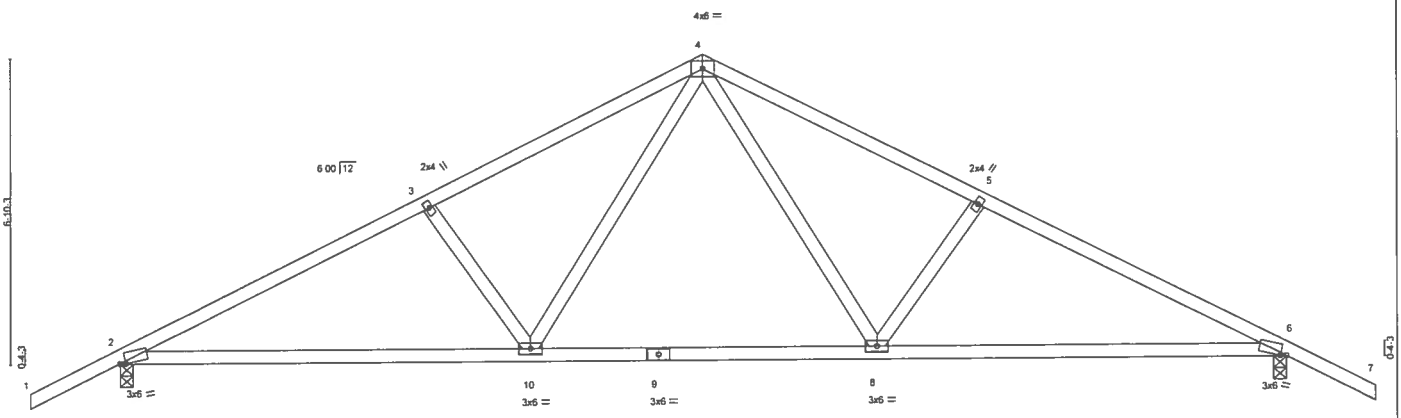
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1216051899

Job	Truss	Truss Type	Qty	Ply	
L144029	T07	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:35 2005 Page 1





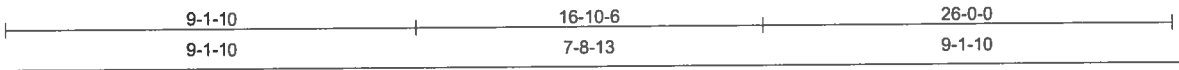


Plate Offsets (X,Y): [2:0-1-9,0-0-7], [6:0-1-9,0-0-7]

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)	-0.21	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.35	2-10	>879	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	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 4-3-10 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 Uplift2=-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

DECEMBER 16, 2005 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

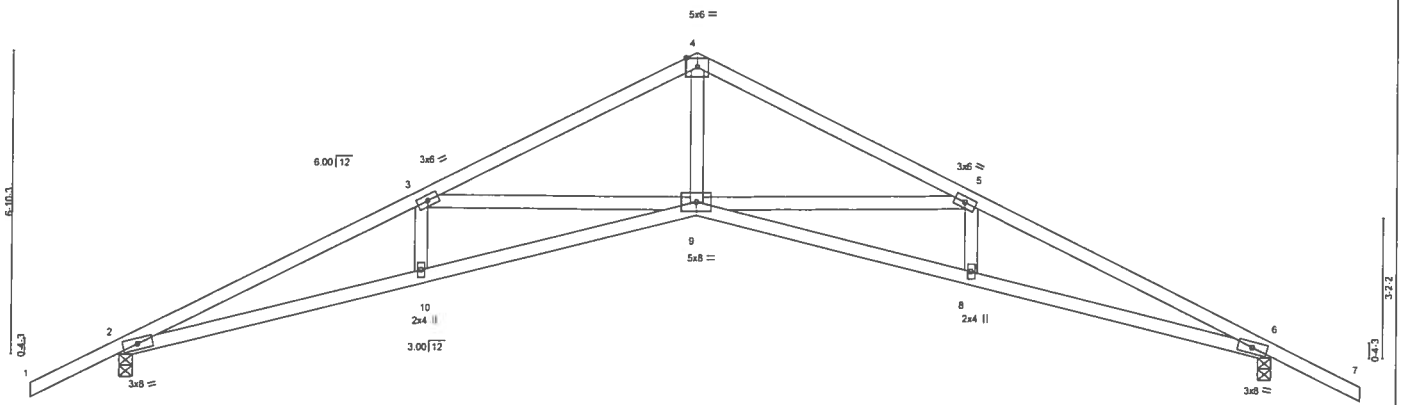
Dwg.#1216051900

Job	Truss	Truss Type	Qty	Ply	
L144029	T08	SCISSOR	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:35 2005 Page 1

-2-0-0	6-9-8	13-0-0	19-2-8	26-0-0	28-0-0
2-0-0	6-9-8	6-2-8	6-2-8	6-9-8	2-0-0

Scale = 1:49.7



6-9-8	13-0-0	19-2-8	26-0-0
6-9-8	6-2-8	6-2-8	6-9-8

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	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 Uplift2=-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

DECEMBER 16, 2005 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

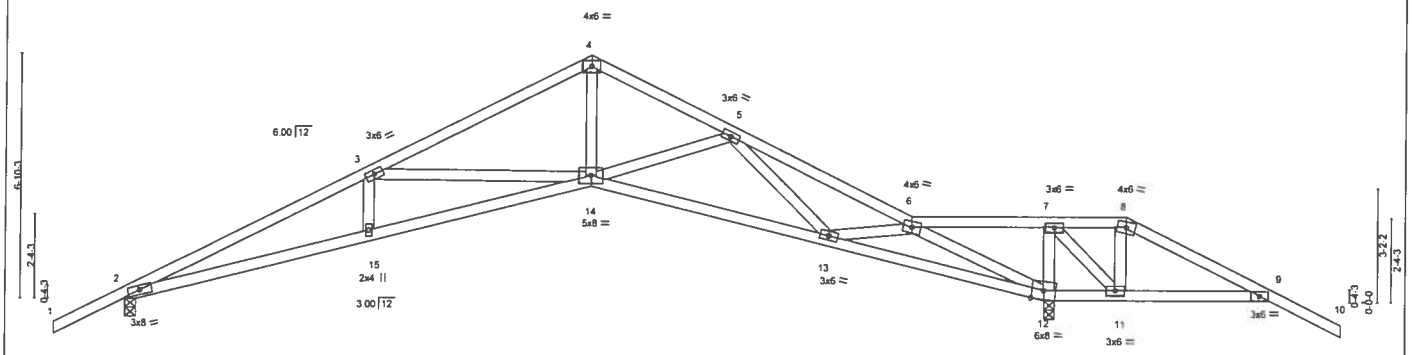
Dwg.#1216051901

Job	Truss	Truss Type	Qty	Ply	
L144029	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:36 2005 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 = 1:61.7



6-9-8	13-0-0	19-8-1	25-8-8	25-10-4	32-0-0
6-9-8	6-2-8	6-8-1	6-0-7	0-1-12	4-0-0

28-0-0

2-1-12

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.27	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.44	14-15	>694	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.89	Horz(TL)	0.29	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							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 Horz 2=-129(load case 5)
Max Uplift2=-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
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; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60.
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 444 lb uplift at joint 2 and 1481 lb uplift at joint 12.
6) Girder carries hip end with 4-0-0 right side setback, 26-0-0 left side setback, and 4-0-0 end setback.
7) 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.
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=-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)

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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.#1216051902

Job	Truss	Truss Type	Qty	Ply	
L144029	T10	SPECIAL	1	1	Job Reference (optional)

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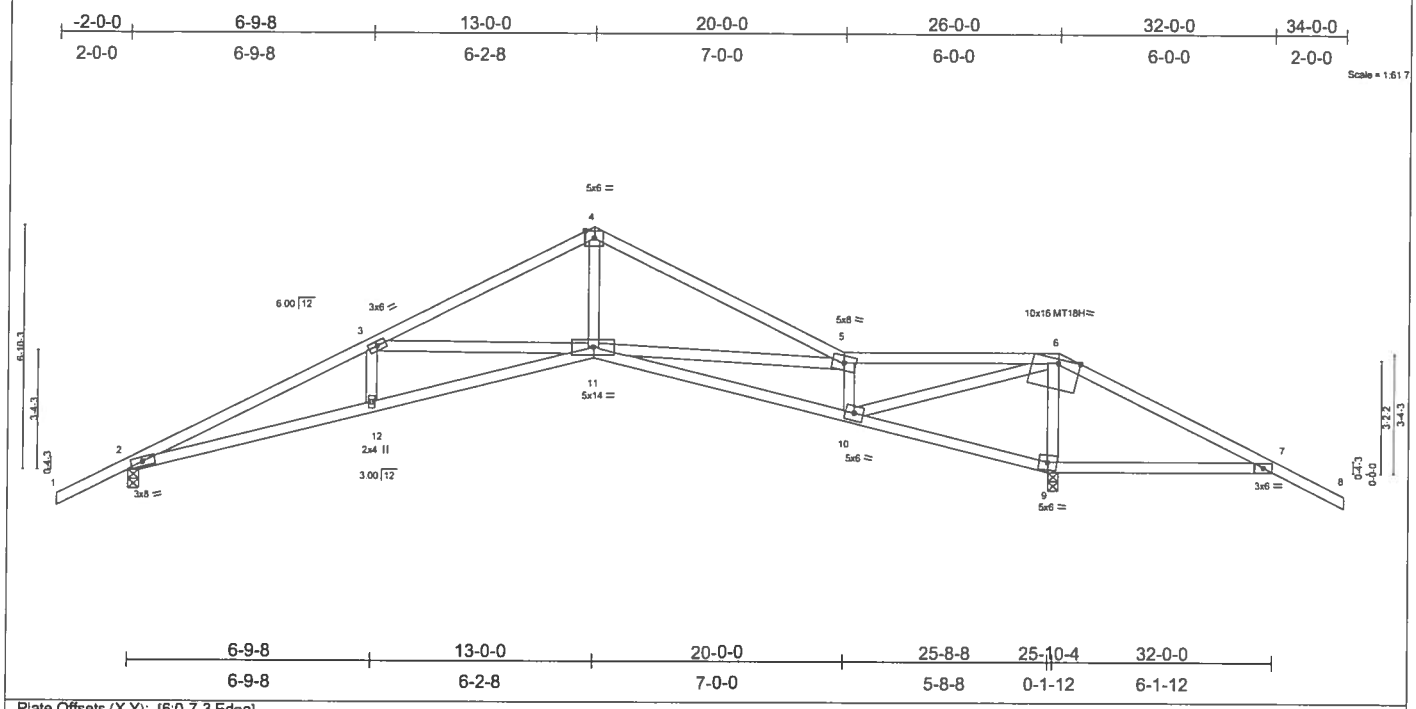


Plate Offsets (X,Y): [6:0-7-3,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	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 Uplift2=-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, 3-11=-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; TCDL=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) 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.

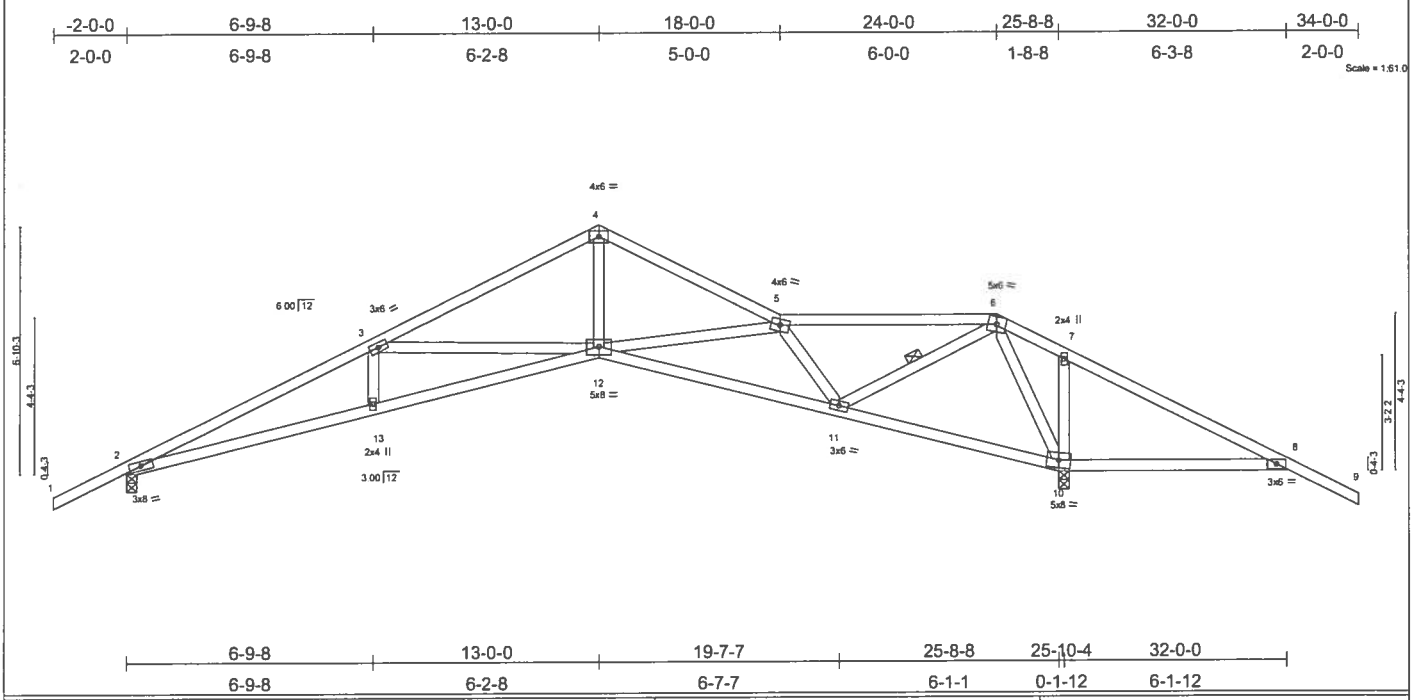
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051903

Job	Truss	Truss Type	Qty	Ply	
L144029	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:38 2005 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	MT20	244/190
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 Uplift2=-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

DECEMBER 16, 2005 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

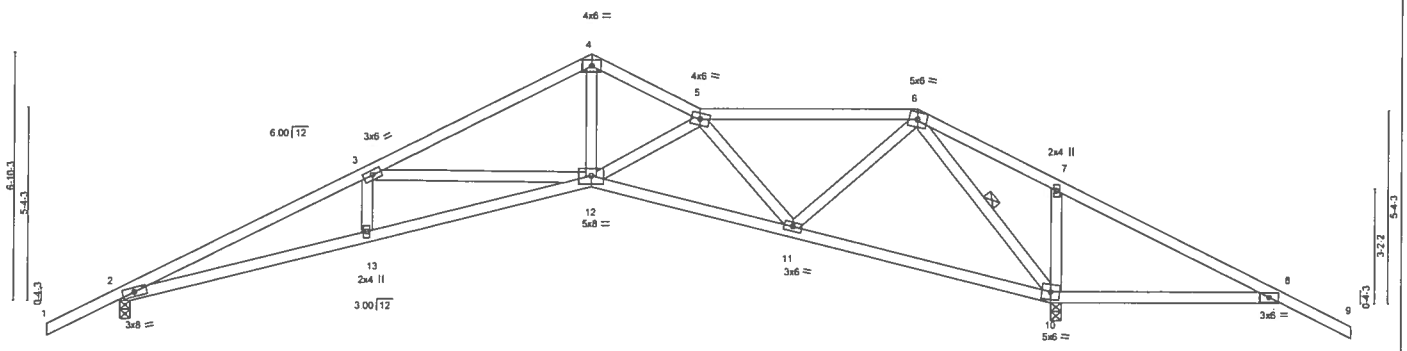
Dwg.#1216051904

Job	Truss	Truss Type	Qty	Ply	
L144029	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:39 2005 Page 1

-2-0-0	6-9-8	13-0-0	16-0-0	22-0-0	25-8-8	32-0-0	34-0-0
2-0-0	6-9-8	6-2-8	3-0-0	6-0-0	3-8-8	6-3-8	2-0-0

Scale = 1:61.0



6-9-8	13-0-0	18-6-11	25-8-8	25-10-4	32-0-0
6-9-8	6-2-8	5-6-11	7-1-12	0-1-12	6-1-12

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	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 Uplift2=-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; TCDL=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.

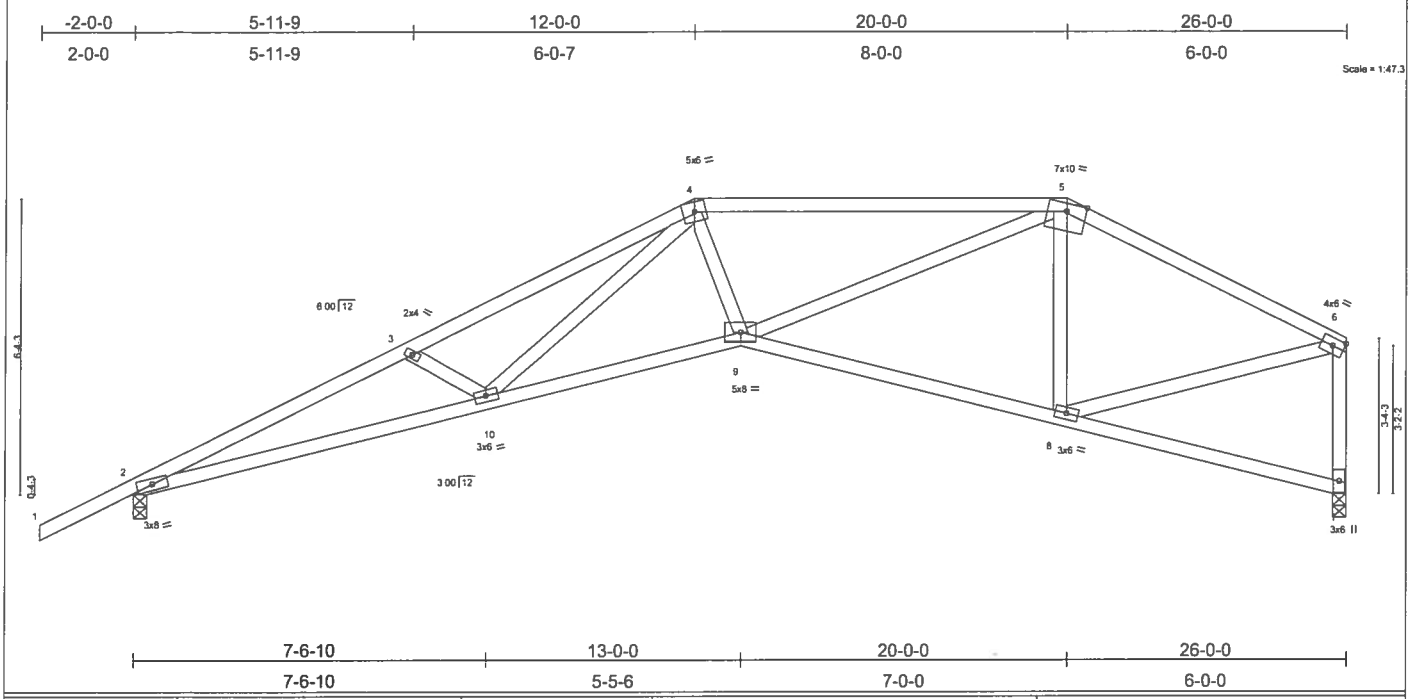
LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051905

Job	Truss	Truss Type	Qty	Ply	
L144029	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:40 2005 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)	-0.28	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/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 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 2-10=-1423/3124, 9-10=-952/2363, 8-9=-446/1193, 7-8=-36/75
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

DECEMBER 16, 2005 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.#1216051906

Job	Truss	Truss Type	Qty	Ply	
L144029	T14	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:40 2005 Page 1

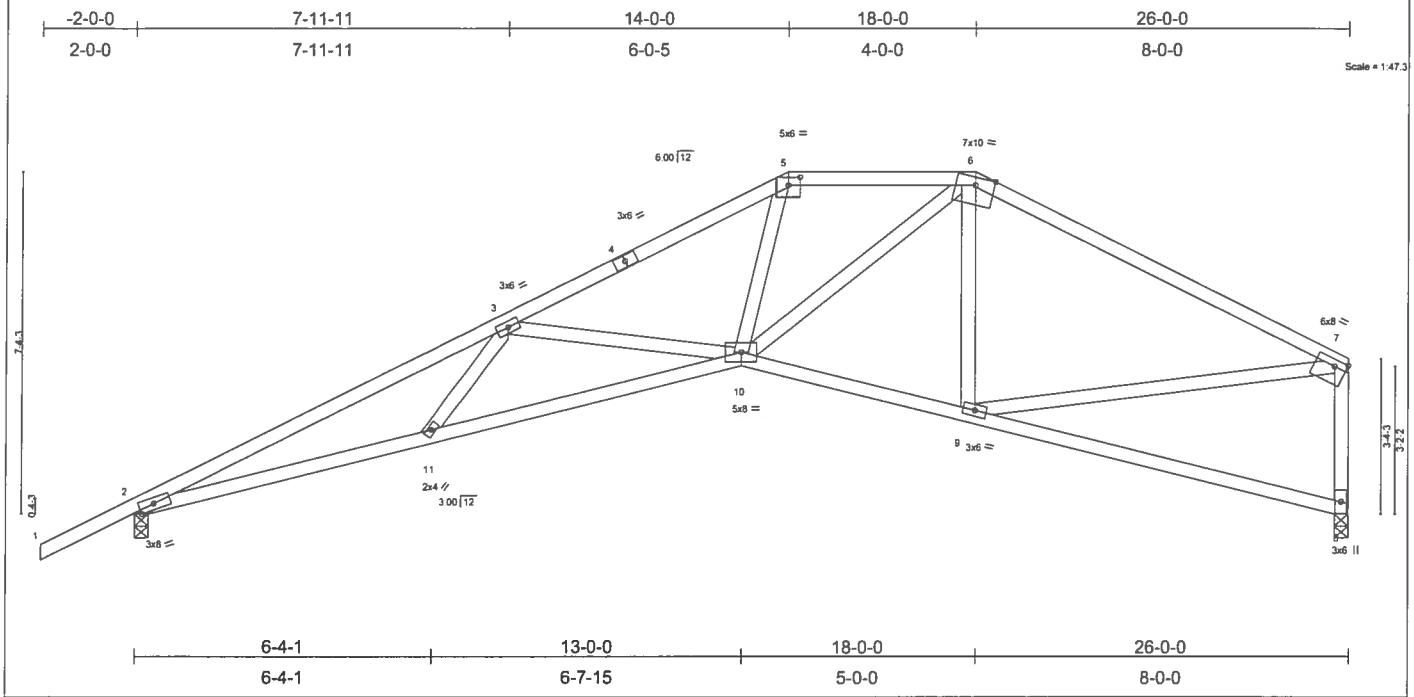


Plate Offsets (X,Y): [2:0-3-12,Edge], [5:0-3-0,0-2-0], [7:Edge,0-1-12]

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	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.47	10-11	>651	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.26	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

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

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

REACTIONS (lb/size) 2=1200/0-3-8, 8=1075/0-3-8
Max Horz 2=260(load case 5)
Max Uplift2=-476(load case 5), 8=-314(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3497/1394, 3-4=-2382/1009, 4-5=-2300/1029, 5-6=-1843/894, 6-7=-1458/634, 7-8=-980/498
BOT CHORD 2-11=-1323/3141, 10-11=-1359/2951, 9-10=-467/1263, 8-9=-82/165
WEBS 3-11=0/323, 3-10=-795/545, 5-10=-325/847, 6-10=-310/870, 6-9=-231/198, 7-9=-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, 8 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 8.

LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051907

Job	Truss	Truss Type	Qty	Ply	
L144029	T15	SCISSOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:41 2005 Page 1

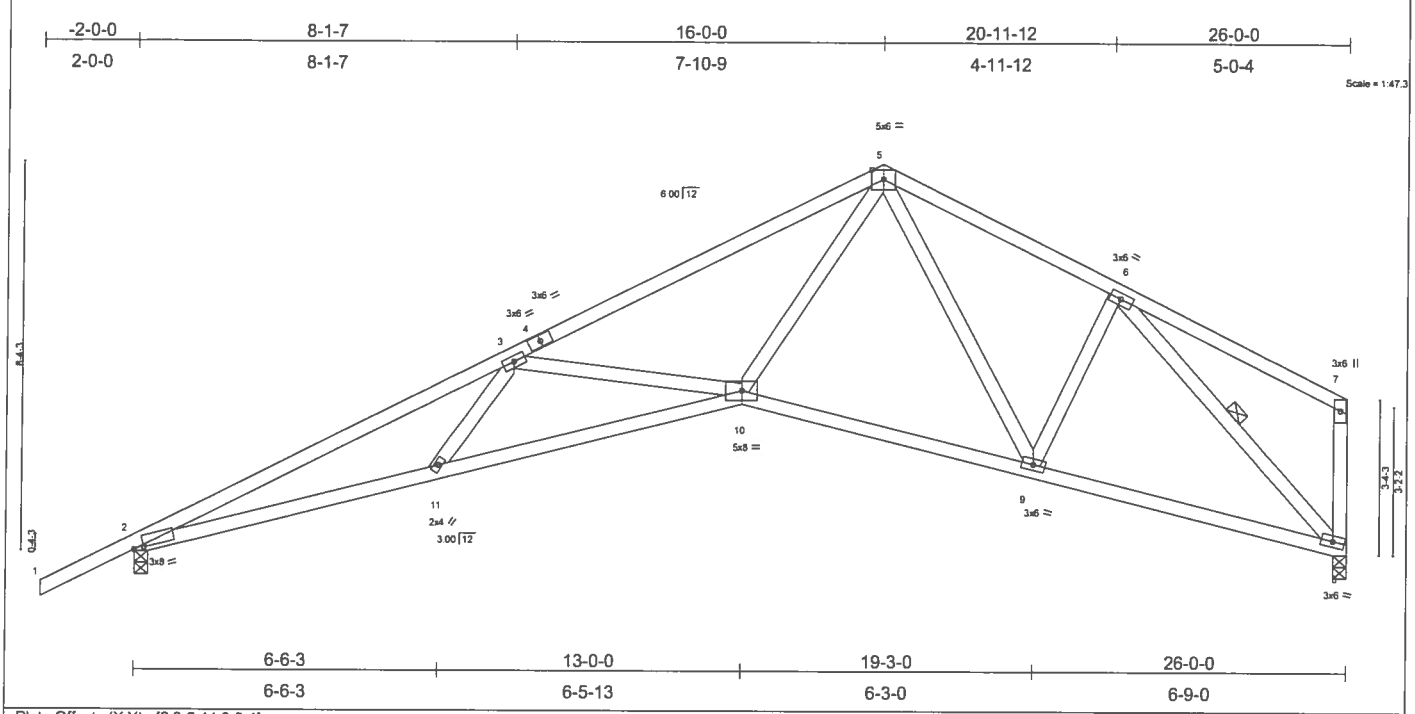


Plate Offsets (X,Y): [2:0-2-11,0-0-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.29	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.46	10-11	>664	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.28	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 2-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-4 oc bracing.
WEBS 1 Row at midpt 6-8

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

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3490/1431, 3-4=-2368/1012, 4-5=-2355/1042, 5-6=-1292/669, 6-7=-135/105, 7-8=-170/143
BOT CHORD 2-11=-1358/3137, 10-11=-1393/2960, 9-10=-460/1250, 8-9=-427/1030
WEBS 3-11=0/304, 3-10=-853/592, 5-10=-613/1595, 5-9=-237/118, 6-9=-48/378, 6-8=-1389/590

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, 8 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 8.

LOAD CASE(S) Standard

DECEMBER 16, 2005 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

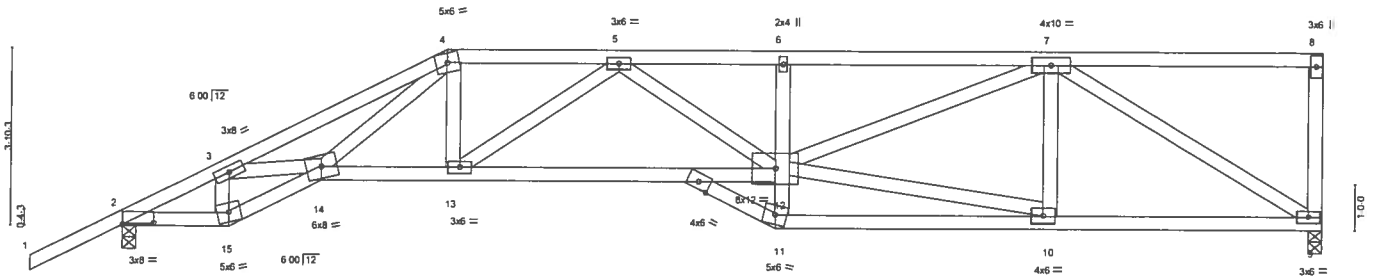
Dwg.#1216051908

Job	Truss	Truss Type	Qty	Ply	
L144029	T16	MONO HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:42 2005 Page 1

-2-0-0	2-3-8	7-0-0	14-1-8	20-1-1	26-0-0
2-0-0	2-3-8	4-8-8	7-1-8	5-11-9	5-10-15

Scale: 1/4"=1'



2-3-8	4-3-8	7-0-0	12-1-8	14-1-8	20-1-1	26-0-0
2-3-8	2-0-0	2-8-8	5-1-8	2-0-0	5-11-9	5-10-15

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.38	12-13	>807	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.61	12-13	>502	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.22	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 305 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.1D, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-15 oc bracing.

REACTIONS (lb/size) 9=2711/0-3-8, 2=2719/0-3-8
Max Horz 2=400(load case 4)
Max Uplift9=-1047(load case 3), 2=-1041(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-5079/1810, 3-4=-8939/3497, 4-5=-6519/2558, 5-6=-7689/2933, 6-7=-7491/2935, 7-8=-121/46, 8-9=-316/163
BOT CHORD 2-15=-1822/4371, 14-15=-1888/4543, 13-14=-2690/6402, 12-13=-3112/7493, 11-12=-33/208, 6-12=-635/318, 10-11=-153/375, 9-10=-1428/3685
WEBS 3-15=-1791/821, 3-14=-1620/3838, 4-14=-884/2147, 4-13=-758/2010, 5-12=-21/242, 10-12=-1293/3358, 7-12=-1646/4157, 7-10=-218/199, 7-9=-4188/1623, 5-13=-1200/513

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1047 lb uplift at joint 9 and 1041 lb uplift at joint 2.
6) Girder carries tie-in span(s): 6-4-7 from 7-0-0 to 14-1-8; 2-5-14 from 7-0-0 to 14-1-8; 3-1-5 from 7-0-0 to 14-1-8; 5-9-0 from 7-0-0 to 14-1-8
7) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 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.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-169(F=-115), 6-8=-118(F=-64), 2-15=-30, 14-15=-30, 13-14=-30, 12-13=-119(F=-89), 9-11=-65(F=-35)
Concentrated Loads (lb)
Vert: 13=-539(F)

DECEMBER 16, 2005 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

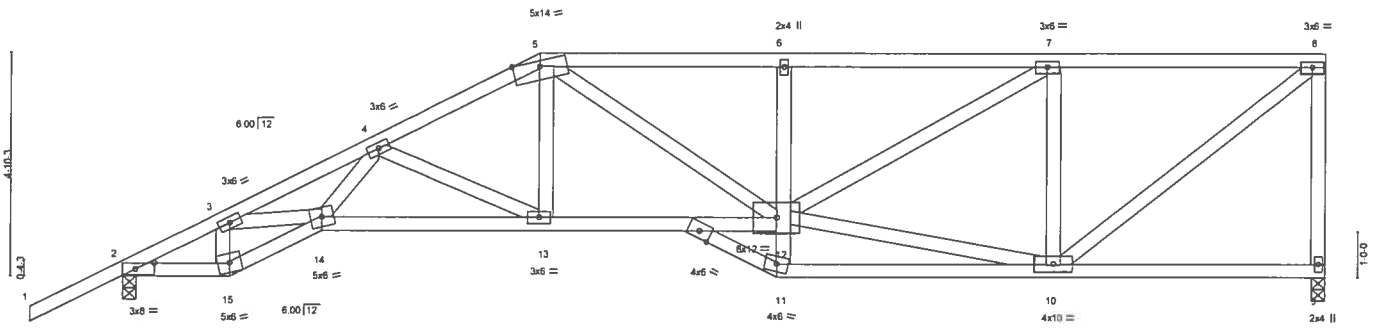
Dwg.#1216051909

Job	Truss	Truss Type	Qty	Ply	
L144029	T17	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:43 2005 Page 1

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

Scale: 1/4"=1'



2-3-8	4-3-8	9-0-0	12-1-8	14-1-8	20-1-6	26-0-0
2-3-8	2-0-0	4-8-8	3-1-8	2-0-0	5-11-14	5-10-10

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.17	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.28	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.12	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-10-4 oc bracing.

REACTIONS (lb/size) 9=1075/0-3-8, 2=1200/0-3-8
Max Horz 2=272(load case 5)
Max Uplift9=-390(load case 4), 2=-438(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1956/633, 3-4=-3399/1367, 4-5=-2014/835, 5-6=-1954/832, 6-7=-1930/826, 7-8=-1103/455, 8-9=-988/449
BOT CHORD 2-15=-731/1671, 14-15=-759/1764, 13-14=-1164/2475, 12-13=-796/1801, 11-12=0/92, 6-12=-296/213, 10-11=-53/169, 9-10=-16/39
WEBS 3-15=-754/405, 3-14=-675/1444, 4-14=-335/957, 4-13=-775/418, 5-13=-165/533, 5-12=-168/184, 10-12=-408/948, 7-12=-434/969, 7-10=-835/467, 8-10=-561/1358

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 390 lb uplift at joint 9 and 438 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 16, 2005 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

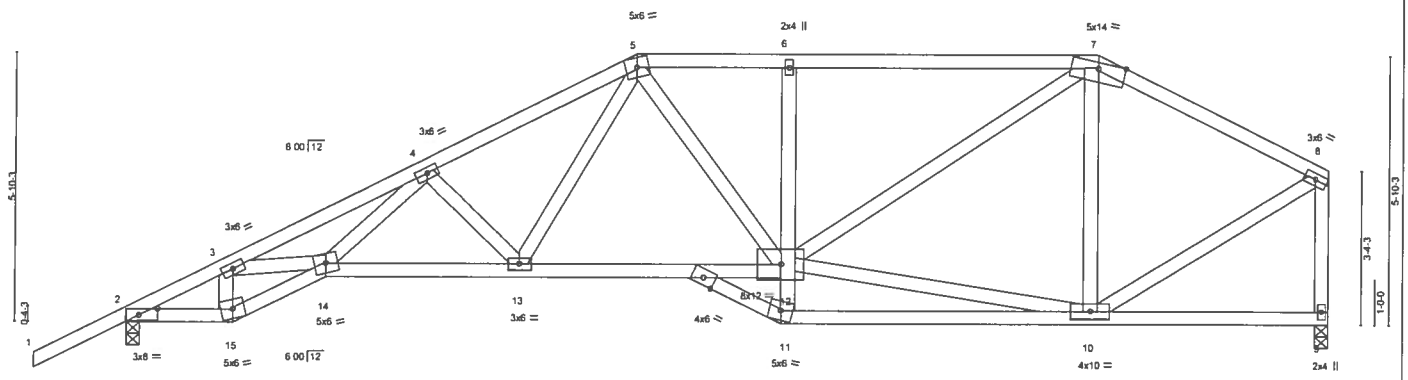
Dwg.#1216051910

Job	Truss	Truss Type	Qty	Ply	
L144029	T18	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:44 2005 Page 1

-2-0-0	2-3-8	6-5-8	11-0-0	14-1-8	21-0-0	26-0-0
2-0-0	2-3-8	4-2-0	4-6-8	3-1-8	6-10-8	5-0-0

Scale: 1/4"=1'



2-3-8	4-3-8	8-5-15	12-1-8	14-1-8	21-0-0	26-0-0
2-3-8	2-0-0	4-2-7	3-7-10	2-0-0	6-10-8	5-0-0

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

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)	-0.16	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.26	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.11	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-3-11 oc bracing.

REACTIONS (lb/size) 2=1200/0-3-8, 9=1075/0-3-8
Max Horz 2=240(load case 5)
Max Uplift2=-460(load case 5), 9=-287(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1967/678, 3-4=-3361/1357, 4-5=-2108/920, 5-6=-1529/720, 6-7=-1531/730, 7-8=-966/422, 8-9=-1008/455
BOT CHORD 2-15=-702/1681, 14-15=-728/1771, 13-14=-1001/2245, 12-13=-601/1475, 11-12=0/103, 6-12=-295/212, 10-11=-17/116, 9-10=-23/34
WEBS 3-15=-742/397, 3-14=-611/1395, 4-14=-374/1057, 4-13=-616/383, 5-13=-300/743, 5-12=-118/223, 10-12=-294/703, 7-12=-360/898, 7-10=-419/272, 8-10=-344/928

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 460 lb uplift at joint 2 and 287 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 16, 2005 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.#1216051911

Job	Truss	Truss Type	Qty	Ply	
L144029	T19	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:44 2005 Page 1

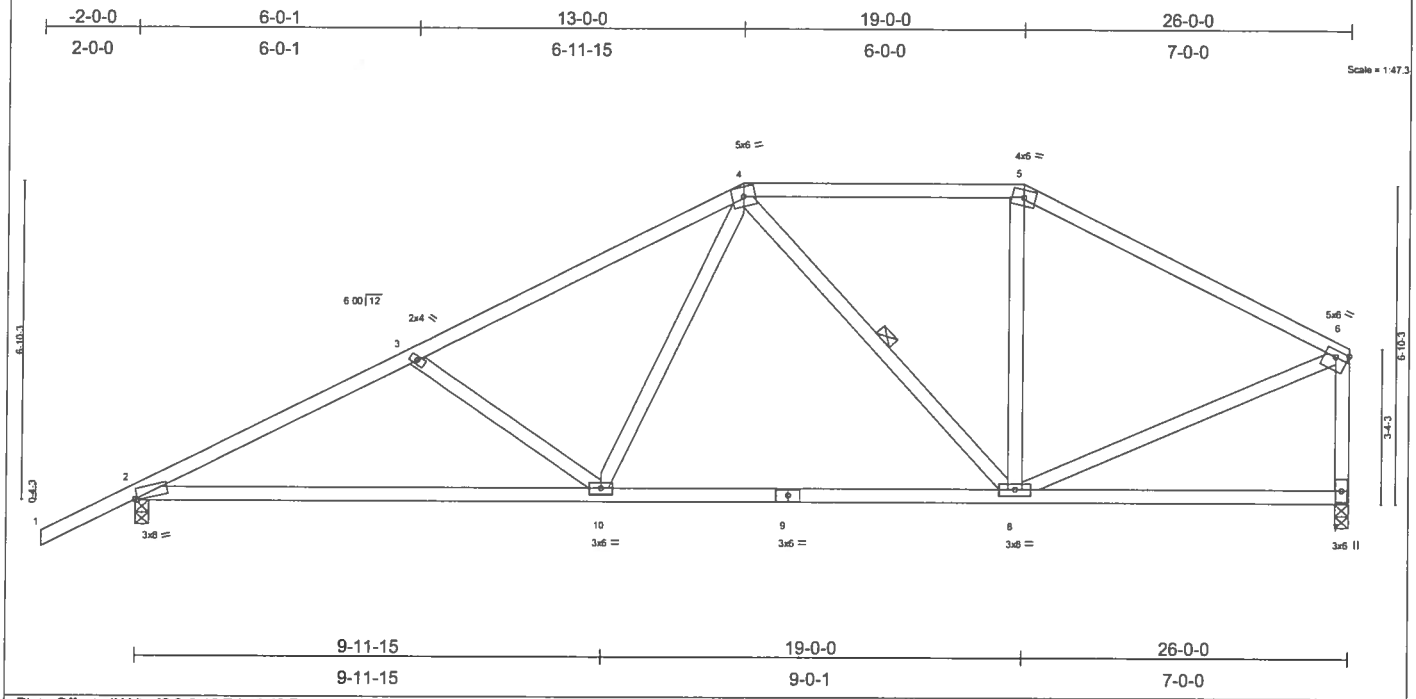


Plate Offsets (X,Y): [2:0-0-10,Edge], [6:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	-0.21	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.37	2-10	>844	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.30	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 139 lb	

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

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 Uplift2=-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

DECEMBER 16, 2005 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

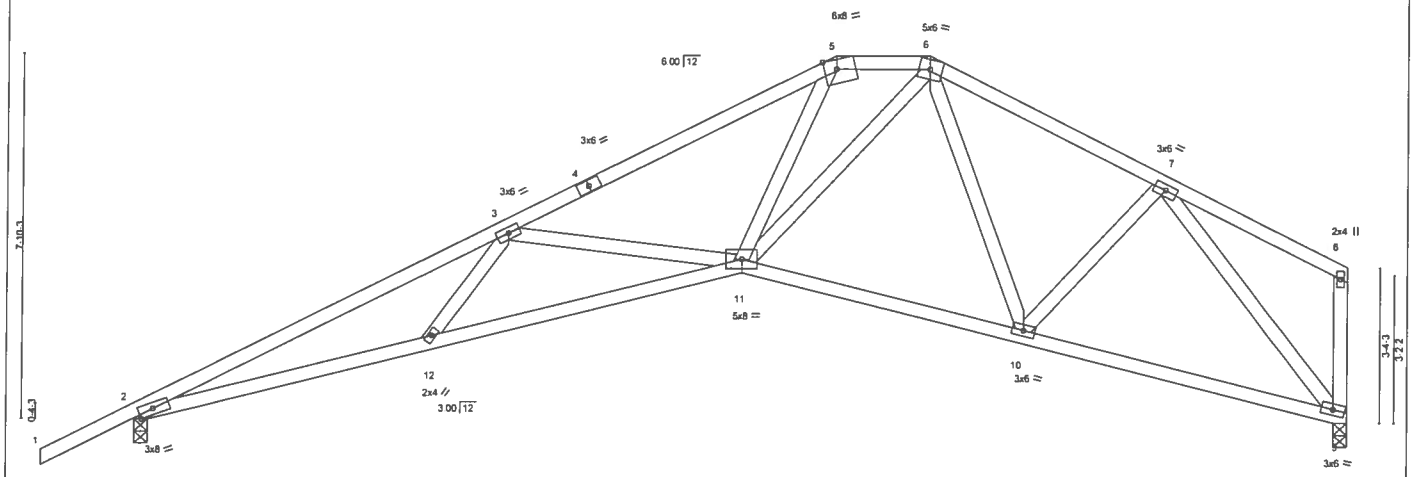
Dwg.#1216051912

Job	Truss	Truss Type	Qty	Ply	
L144029	T20	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Dec 15 14:49:45 2005 Page 1

-2-0-0	7-11-13	15-0-0	17-0-0	21-11-6	26-0-0
2-0-0	7-11-13	7-0-3	2-0-0	4-11-6	4-0-10

Scale = 1:47.3



6-4-4	13-0-0	19-0-7	26-0-0
6-4-4	6-7-12	6-0-7	6-11-9

Plate Offsets (X,Y): [2:0-3-12,Edge], [5:0-3-3,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.28	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.46	11-12	>674	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(TL)	0.27	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 2-7-12 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, 9=1075/0-3-8
Max Horz 2=267(load case 5)
Max Uplift2=-480(load case 5), 9=-321(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3498/1413, 3-4=-2380/1011, 4-5=-2290/1035, 5-6=-1700/887, 6-7=-1306/638, 7-8=-100/59, 8-9=-121/87
BOT CHORD 2-12=-1342/3143, 11-12=-1378/2961, 10-11=-441/1228, 9-10=-393/906
WEBS 3-12=0/310, 3-11=-821/568, 5-11=-263/831, 6-11=-355/844, 6-10=-195/97, 7-10=-47/401, 7-9=-1335/615

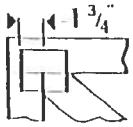
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 2, 9 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 480 lb uplift at joint 2 and 321 lb uplift at joint 9.

LOAD CASE(S) Standard

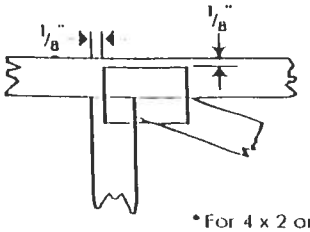
DECEMBER 16, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

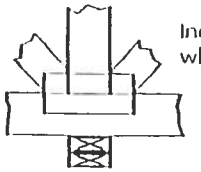
4 X 4

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

LATERAL BRACING

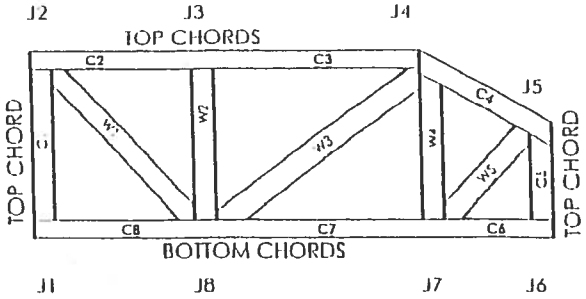
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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