Project Information for:		L207902			
Builder:		CALVIN TWENSEY – O/B	Date:	9/14/2006	
Lot:		N/A	Start Number:	**1102**	
Subdivision:		201 SW PAUL ALLISON CT	SEI Ref:	L207902	
County or City:		COLUMBIA COUNTY			
Truss Page Count:		47			

Truss Design Load Information (UNO) Design Program: MiTek

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)

Owner Builder
Address: N/A
N/A Designer: **116**

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 Phone: 813-849-5769

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.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitablity and use of Carrying Member hanger capacity.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0914061102	9/14/2006	41	T24	0914061142	9/14/2006
2	CJ3	0914061103	9/14/2006	42	T25G	0914061143	9/14/2006
3	CJ3A	0914061104	9/14/2006	43	T26	0914061144	9/14/2006
4	CJ5A	0914061105	9/14/2006	44	T26G	0914061145	9/14/2006
5	EJ2	0914061106	9/14/2006	45	T27	0914061146	9/14/2006
6	EJ5	0914061107	9/14/2006	46	T28	0914061147	9/14/2006
7	EJ5A	0914061108	9/14/2006	47	T29	0914061148	9/14/2006
8	EJ7	0914061109	9/14/2006				
9	EJ7A	0914061110	9/14/2006				
10	EJ7B	0914061111	9/14/2006				
11	EJ7C	0914061112	9/14/2006				
12	HJ4	0914061113	9/14/2006				
13	HJ7	0914061114	9/14/2006				
14	HJ9	0914061115	9/14/2006				
15	PB01	0914061116	9/14/2006				
16	PB02	0914061117	9/14/2006				
17	PB03	0914061118	9/14/2006				
18	PB04	0914061119	9/14/2006				
19	T01G	0914061120	9/14/2006				
20	T02	0914061121	9/14/2006				
21	T02G	0914061122	9/14/2006				
22	T03	0914061123	9/14/2006				
23	T04	0914061124	9/14/2006				
24	T05	0914061125	9/14/2006				
25	T06	0914061126	9/14/2006				
26	T07	0914061127	9/14/2006				
27	T08	0914061128	9/14/2006				
28	T09	0914061129	9/14/2006				
29	T10	0914061130	9/14/2006				
30	T11	0914061131	9/14/2006				
31	T12	0914061132	9/14/2006				
32	T13	0914061133	9/14/2006				
33	T16	0914061134	9/14/2006				
34	T17	0914061135	9/14/2006				
35	T18	0914061136	9/14/2006				
36	T19	0914061137	9/14/2006				
37	T20	0914061138	9/14/2006				
38	T21	0914061139	9/14/2006				
39	T22	0914061140	9/14/2006				
40	T23	0914061141	9/14/2006				

SEP 1 4 2006

Dwg.#0914061102

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	CJ1	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:34:55 2006 Page 1

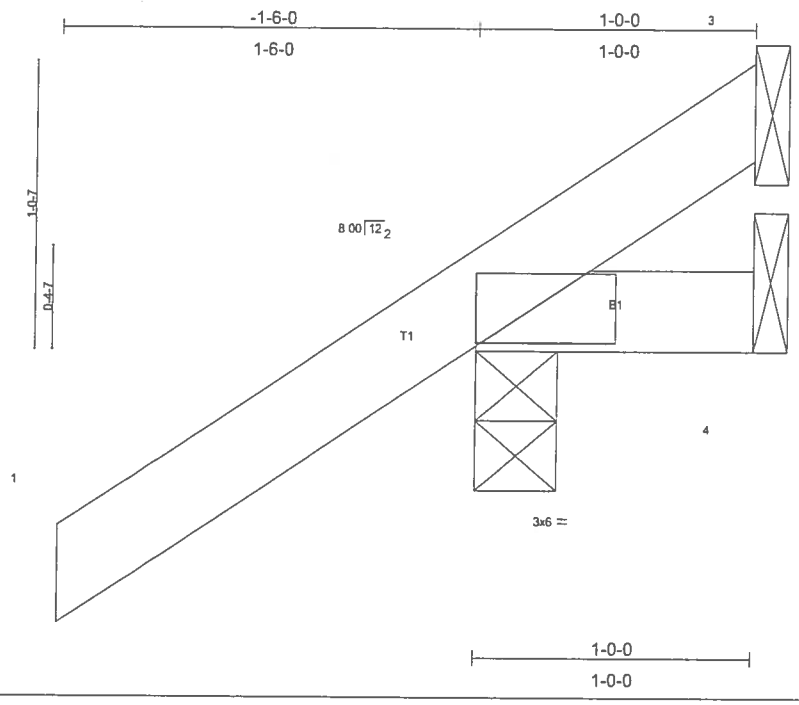

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	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: 6 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=189/0-3-8, 4=14/Mechanical, 3=-40/Mechanical
Max Horz 2=94(load case 5)
Max Uplift2=-188(load case 5), 3=-40(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=69(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-55/48
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 2 and 40 lb uplift at joint 3.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061103

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	CJ3	JACK	2	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:34:59 2006 Page 1

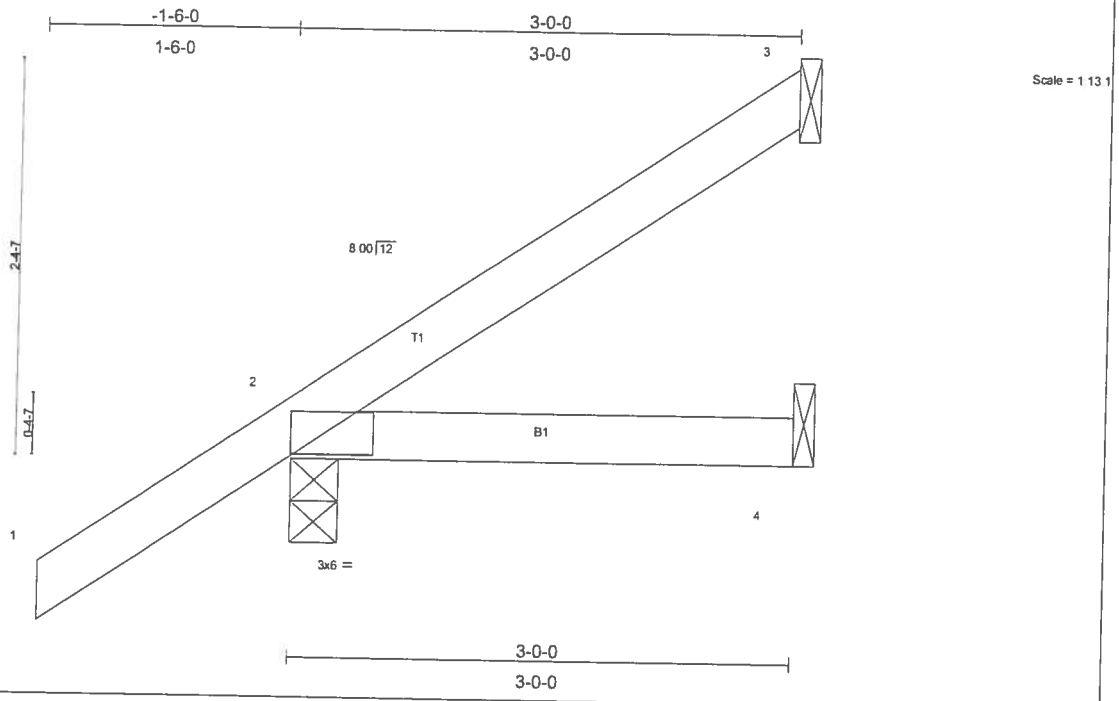

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	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=49/Mechanical, 2=232/0-3-8, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-48(load case 5), 2=-141(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-59/20
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 3 and 141 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061104

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	CJ3A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:00 2006 Page 1

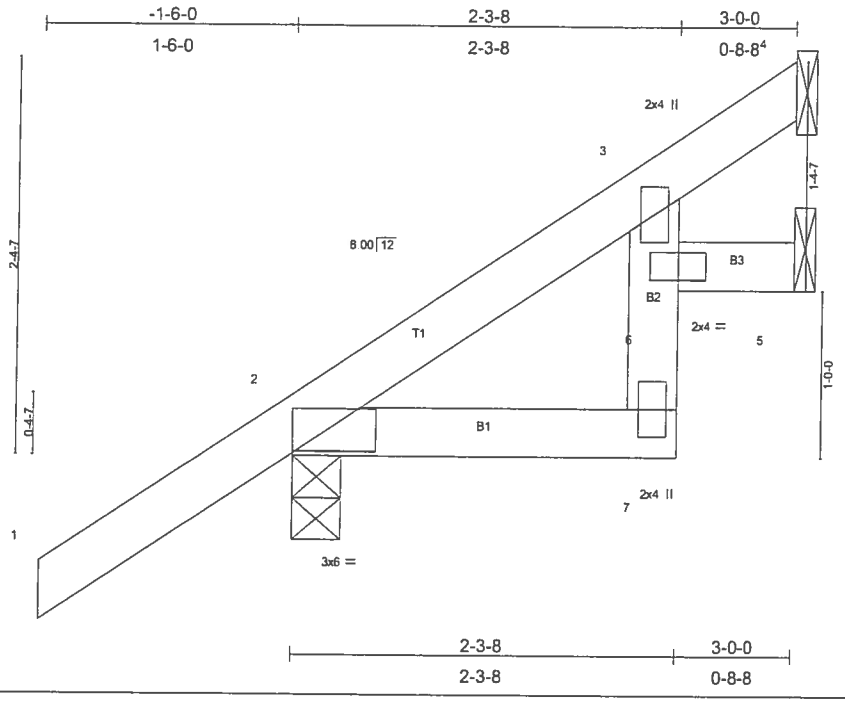

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.00	7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	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 *Except*
B2 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 10-0-0 oc bracing.

REACTIONS (lb/size) 4=42/Mechanical, 2=232/0-3-8, 5=49/Mechanical
Max Horz 2=154(load case 5)
Max Uplift4=-29(load case 5), 2=-141(load case 5), 5=-15(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-86/0, 3-4=-21/21
BOT CHORD 2-7=-13/32, 6-7=0/36, 3-6=-7/52, 5-6=0/0

JOINT STRESS INDEX
2 = 0.41, 3 = 0.12, 6 = 0.36 and 7 = 0.12

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 4, 141 lb uplift at joint 2 and 15 lb uplift at joint 5.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061105

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	CJ5A	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:02 2006 Page 1

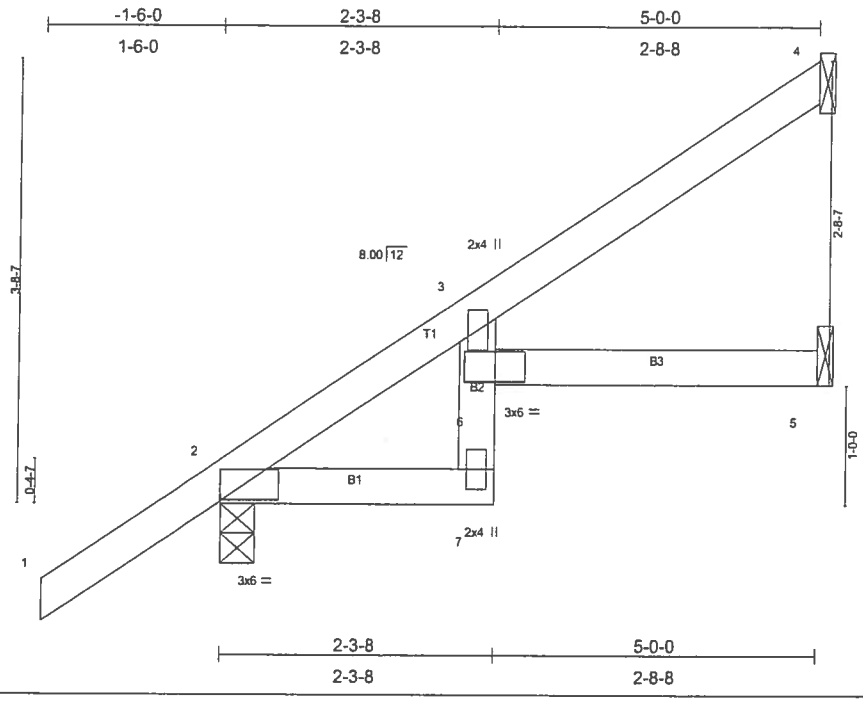

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.03	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.05	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.02	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 *Except*
B2 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 10-0-0 oc bracing.

REACTIONS (lb/size) 4=101/Mechanical, 2=305/0-3-8, 5=85/Mechanical
Max Horz 2=215(load case 5)
Max Uplift4=-86(load case 5), 2=-137(load case 5), 5=-21(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-214/0, 3-4=-65/47
BOT CHORD 2-7=-64/125, 6-7=0/35, 3-6=0/67, 5-6=0/0

JOINT STRESS INDEX
2 = 0.37, 3 = 0.55, 6 = 0.43 and 7 = 0.37

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 4, 137 lb uplift at joint 2 and 21 lb uplift at joint 5.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061106

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ2	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:04 2006 Page 1

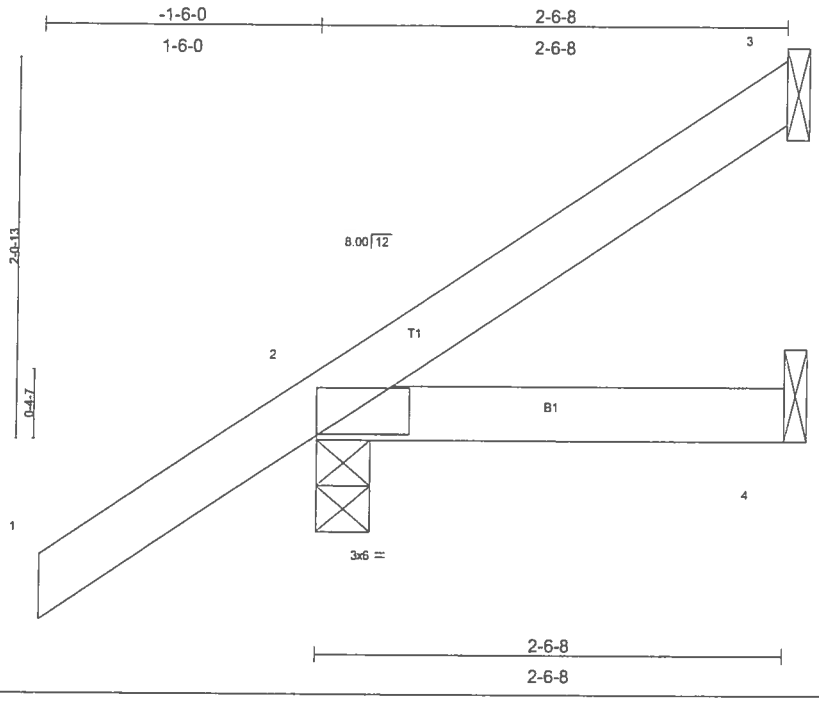

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	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: 11 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 2-6-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=32/Mechanical, 2=218/0-3-8, 4=35/Mechanical
Max Horz 2=140(load case 5)
Max Uplift3=-33(load case 6), 2=-146(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-56/14
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.12

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 33 lb uplift at joint 3 and 146 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061107

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ5	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:06 2006 Page 1

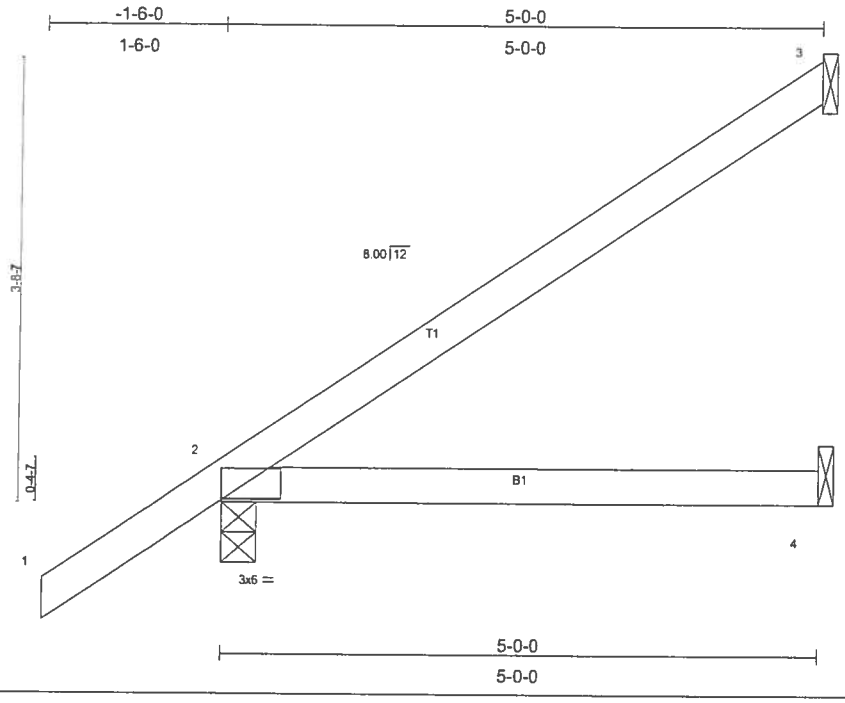

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	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=114/Mechanical, 2=305/0-3-8, 4=72/Mechanical
Max Horz 2=215(load case 5)
Max Uplift3=-122(load case 5), 2=-137(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-101/50
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 3 and 137 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061108

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ5A	MONO HIP	1	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

4x10 = 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:07 2006 Page 1

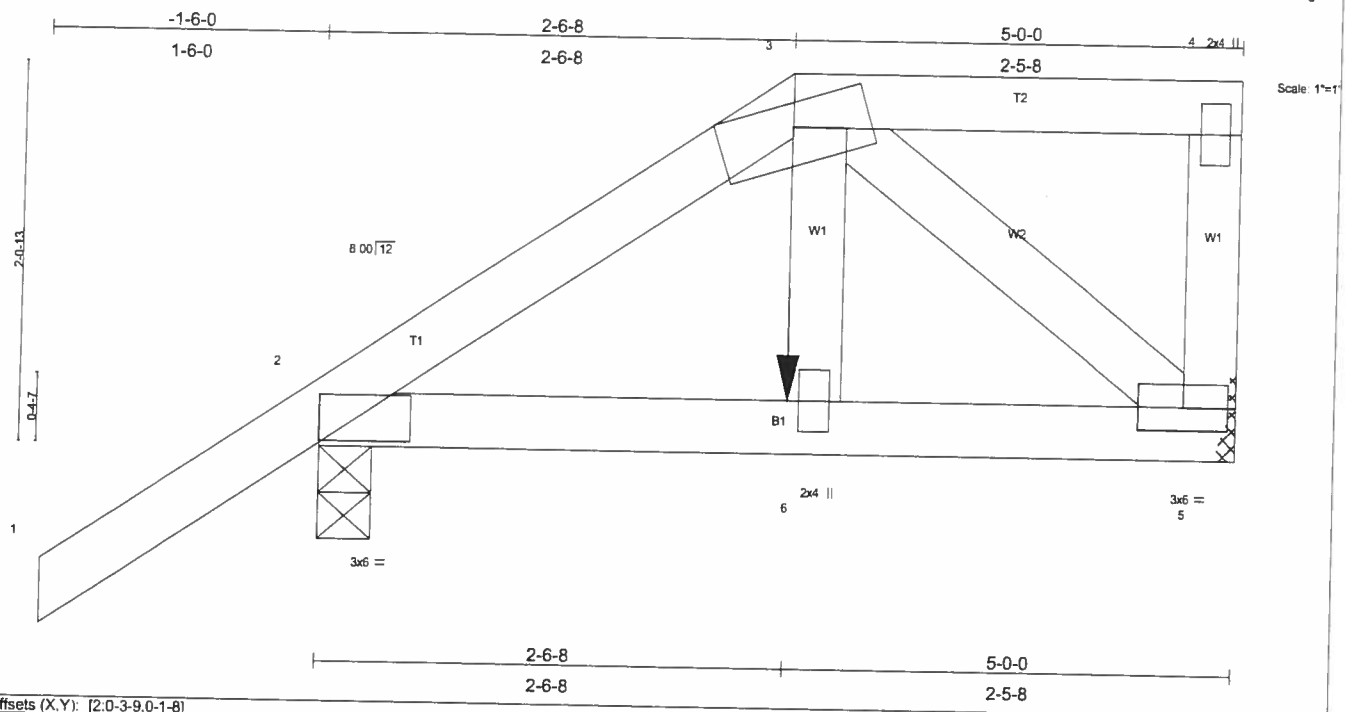

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.00	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	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
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 5=217/Mechanical, 2=324/0-3-8
Max Horz 2=143(load case 4)
Max Uplift5=-93(load case 3), 2=-183(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-238/54, 3-4=-1/0, 4-5=-69/61
BOT CHORD 2-6=-59/147, 5-6=-60/157
WEBS 3-6=-9/124, 3-5=-197/75

JOINT STRESS INDEX
2 = 0.18, 3 = 0.22, 4 = 0.04, 5 = 0.07 and 6 = 0.09

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) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 93 lb uplift at joint 5 and 183 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 2-6-8 left side setback, and 2-6-8 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 37 lb down and 28 lb up at 2-6-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-60(F=-6), 2-6=-30, 5-6=-33(F=-3)
Concentrated Loads (lb)
Vert: 6=-37(F)

SEPTEMBER 14, 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.#0914061109

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ7	MONO TRUSS	21	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:09 2006 Page 1

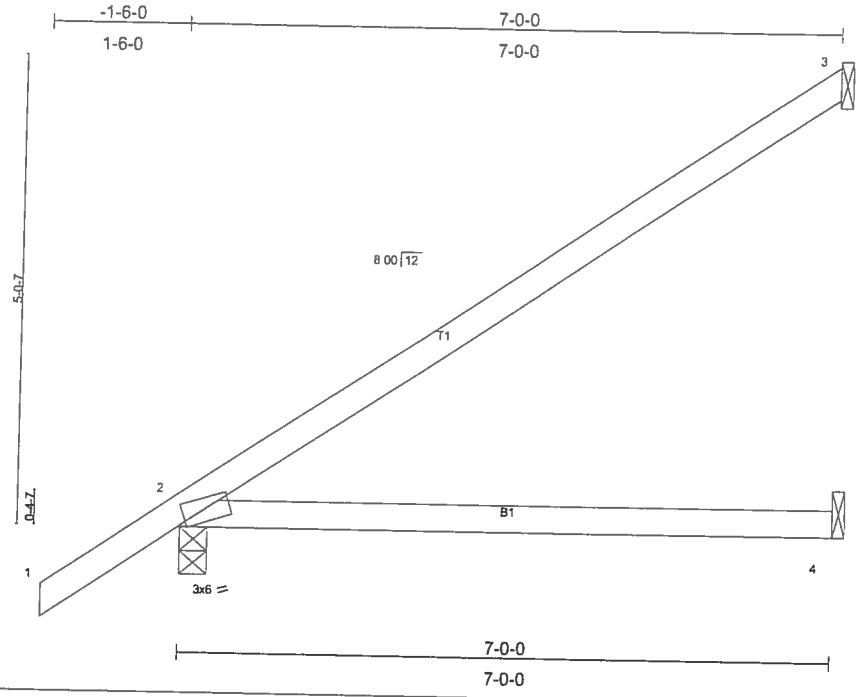

Plate Offsets (X,Y): [2:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.14	2-4	>592	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.23	2-4	>357	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=165/Mechanical, 2=385/0-3-8, 4=110/Mechanical
Max Horz 2=277(load case 5)
Max Uplift3=-165(load case 5), 2=-141(load case 5), 4=-1(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-133/73
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.80

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 3, 141 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Dwg.#0914061110

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ7A	MONO HIP	1	1	Job Reference (optional)

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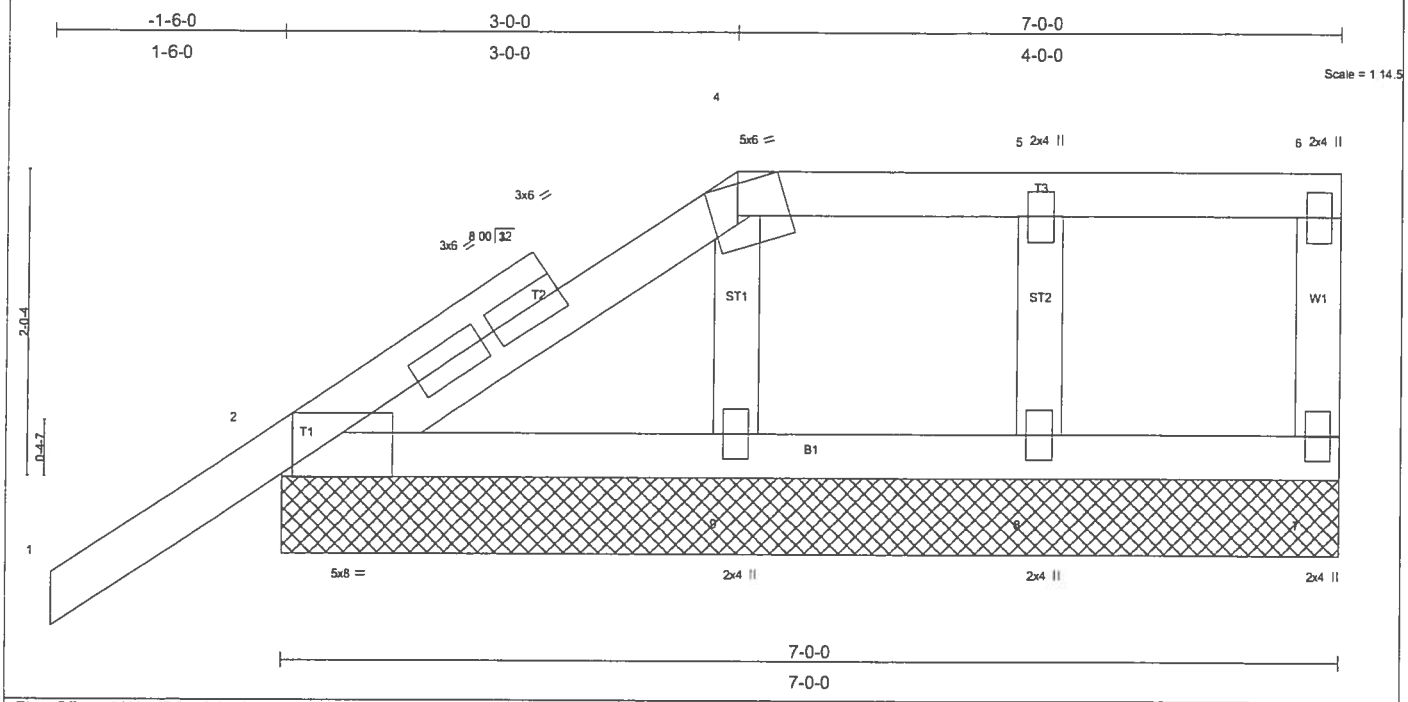

Plate Offsets (X,Y): [2:0-4-0,0-3-7], [4:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.02	1	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=365/7-0-0, 7=112/7-0-0, 8=243/7-0-0, 9=313/7-0-0
Max Horz 2=141(load case 5)
Max Uplift2=-195(load case 5), 7=-49(load case 3), 8=-138(load case 3), 9=-97(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-16/79, 2-3=-89/24, 3-4=-44/60, 4-5=-14/9, 5-6=-13/9, 6-7=-84/72
BOT CHORD 2-9=-9/13, 8-9=-9/13, 7-8=-9/13
WEBS 5-8=-191/178, 4-9=-232/178

JOINT STRESS INDEX
2 = 0.57, 3 = 0.00, 3 = 0.24, 3 = 0.24, 4 = 0.24, 5 = 0.10, 6 = 0.16, 7 = 0.09, 8 = 0.10 and 9 = 0.10

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) 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"
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 2, 49 lb uplift at joint 7, 138 lb uplift at joint 8 and 97 lb uplift at joint 9.
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=-99(F=-45), 4-6=-99(F=-45), 2-7=-30

SEPTEMBER 14, 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.#0914061111

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ7B	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:13 2006 Page 1

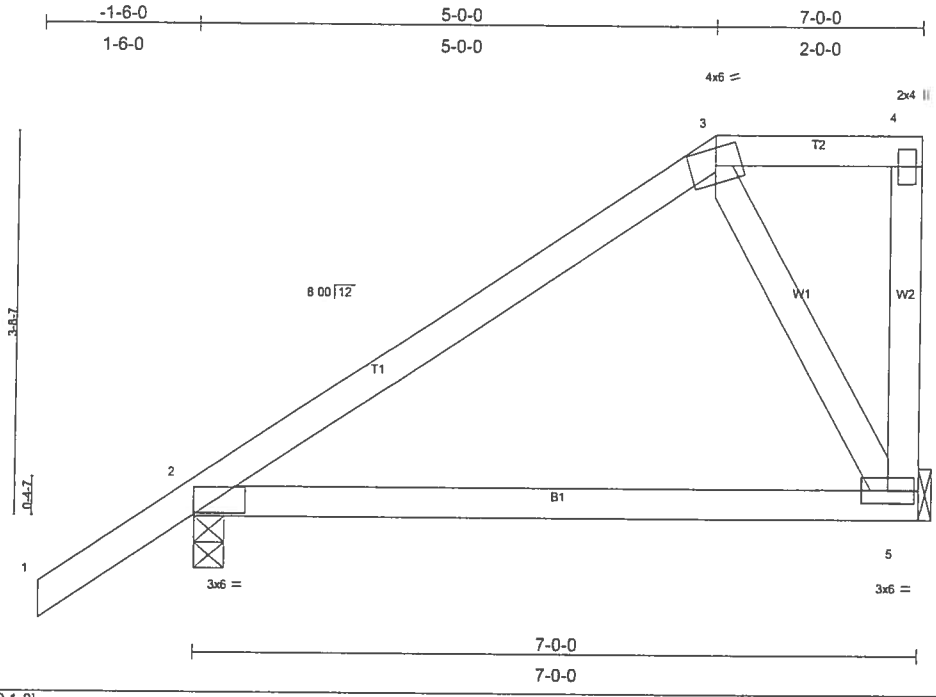

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

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)	-0.05	2-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.09	2-5	>894	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	5	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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=271/Mechanical, 2=382/0-3-8
Max Horz 2=219(load case 5)
Max Uplift5=-108(load case 5), 2=-171(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-200/33, 3-4=-35/0, 4-5=-32/61
BOT CHORD 2-5=-98/123
WEBS 3-5=-185/219

JOINT STRESS INDEX
2 = 0.55, 3 = 0.33, 4 = 0.23 and 5 = 0.46

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 5 and 171 lb uplift at joint 2.

LOAD CASE(S) Standard

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Dwg.#0914061112

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	EJ7C	SPECIAL	3	1	Job Reference (optional)

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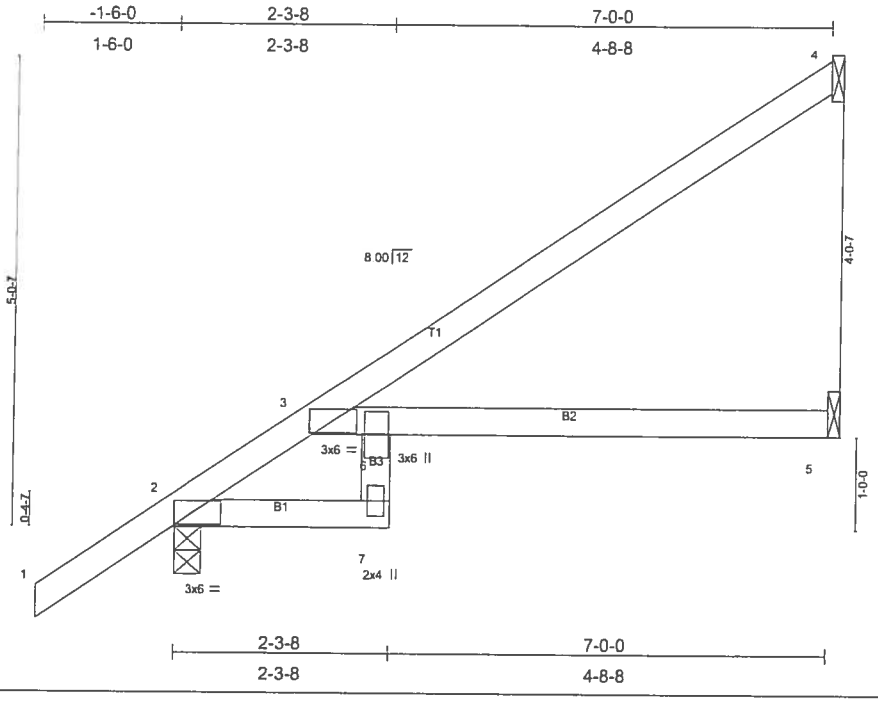

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.16	5-6	>517	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.26	5-6	>317	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.10	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 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.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=154/Mechanical, 2=400/0-3-8, 5=126/Mechanical
Max Horz 2=277(load case 5)
Max Uplift4=-143(load case 5), 2=-138(load case 5), 5=-23(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-356/0, 3-4=-112/69
BOT CHORD 2-7=-143/216, 6-7=-4/53, 3-6=-216/143, 5-6=0/0

JOINT STRESS INDEX
2 = 0.31, 3 = 0.62, 6 = 0.64 and 7 = 0.63

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 4, 138 lb uplift at joint 2 and 23 lb uplift at joint 5.

LOAD CASE(S) Standard

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0914061113

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	HJ4	JACK	1	1	Job Reference (optional)

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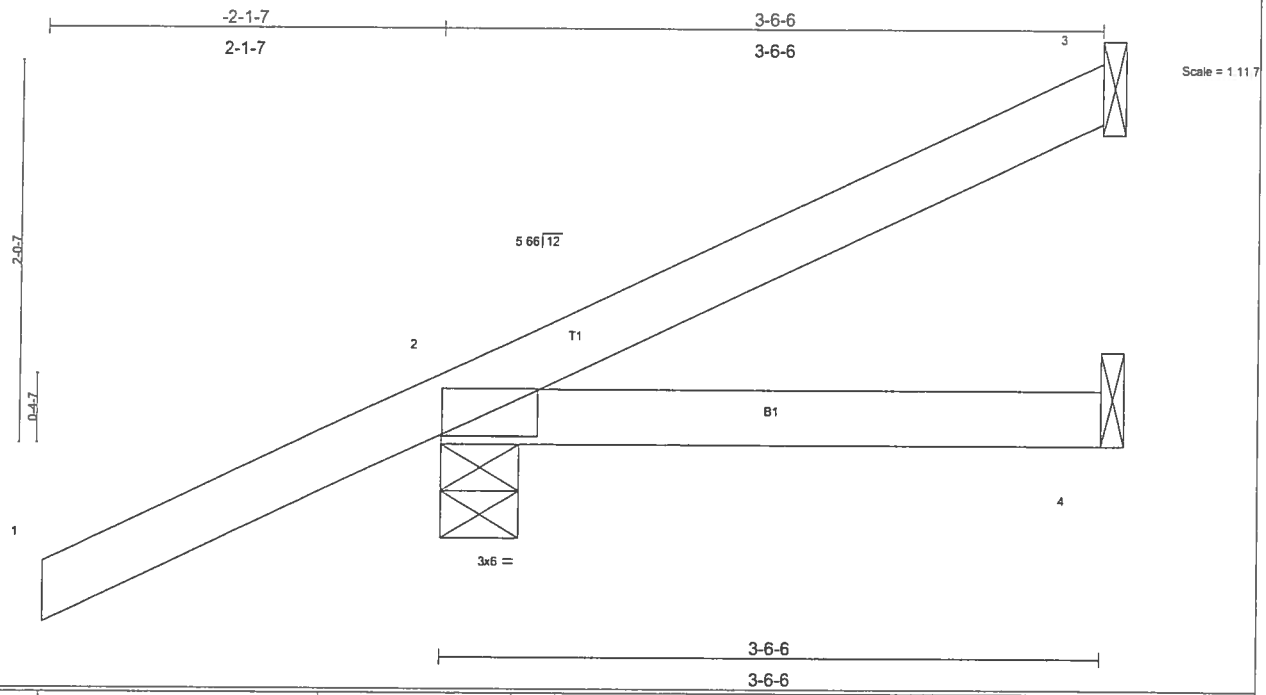

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.00	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 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 3-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=9/Mechanical, 2=214/0-4-15, 4=29/Mechanical
Max Horz 2=88(load case 4)
Max Uplift2=-181(load case 4)
Max Grav 3=43(load case 2), 2=214(load case 1), 4=29(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-34/19
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.09

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 2.
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=-48(F=3, B=3), 2=-0(F=15, B=15)-to-4=-26(F=2, B=2)

SEPTEMBER 14, 2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0914061114

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	HJ7	JACK	1	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

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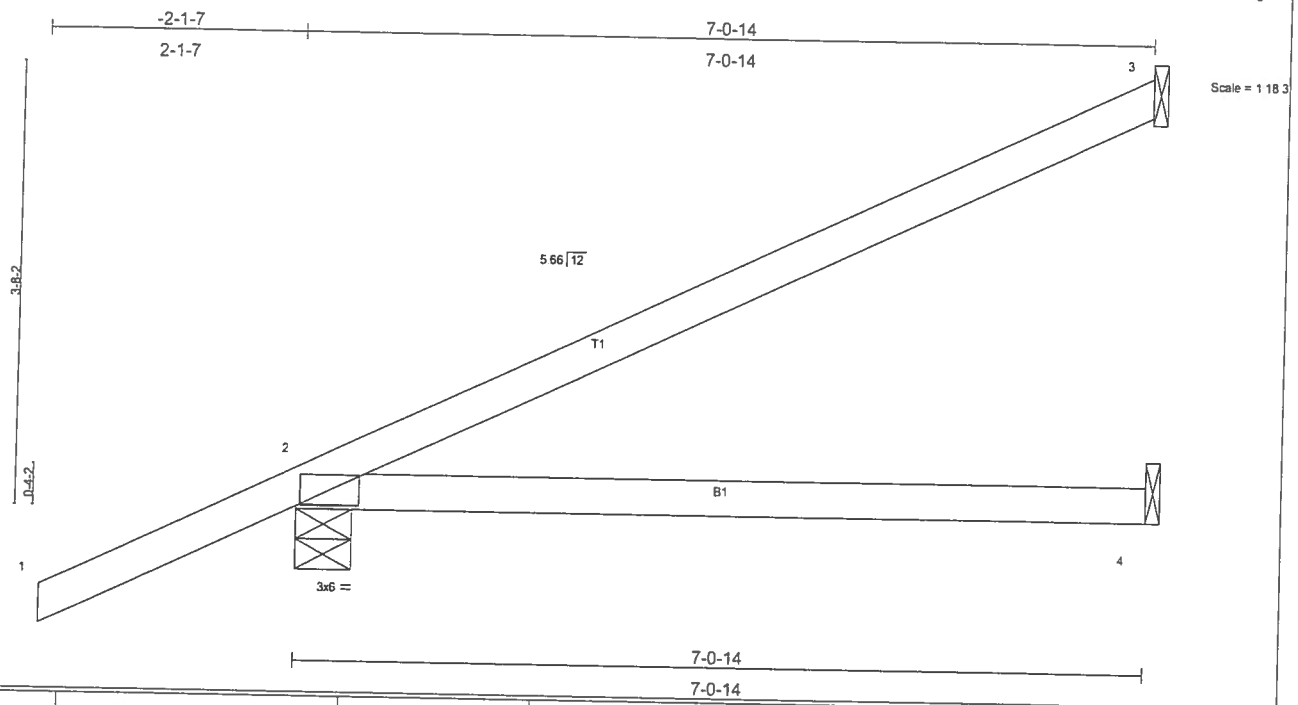

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.10	2-4	>830	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.17	2-4	>491	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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 7-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=198/Mechanical, 2=324/0-5-11, 4=119/Mechanical
Max Horz 2=200(load case 4)
Max Uplift3=-174(load case 4), 2=-168(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-100/60
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.27

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 3 and 168 lb uplift at joint 2.
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=25, B=25)-to-3=-95(F=-21, B=-21), 2=-0(F=15, B=15)-to-4=-53(F=-12, B=-12)

SEPTEMBER 14, 2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0914061115

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	HJ9	SPECIAL	1	1	Job Reference (optional)

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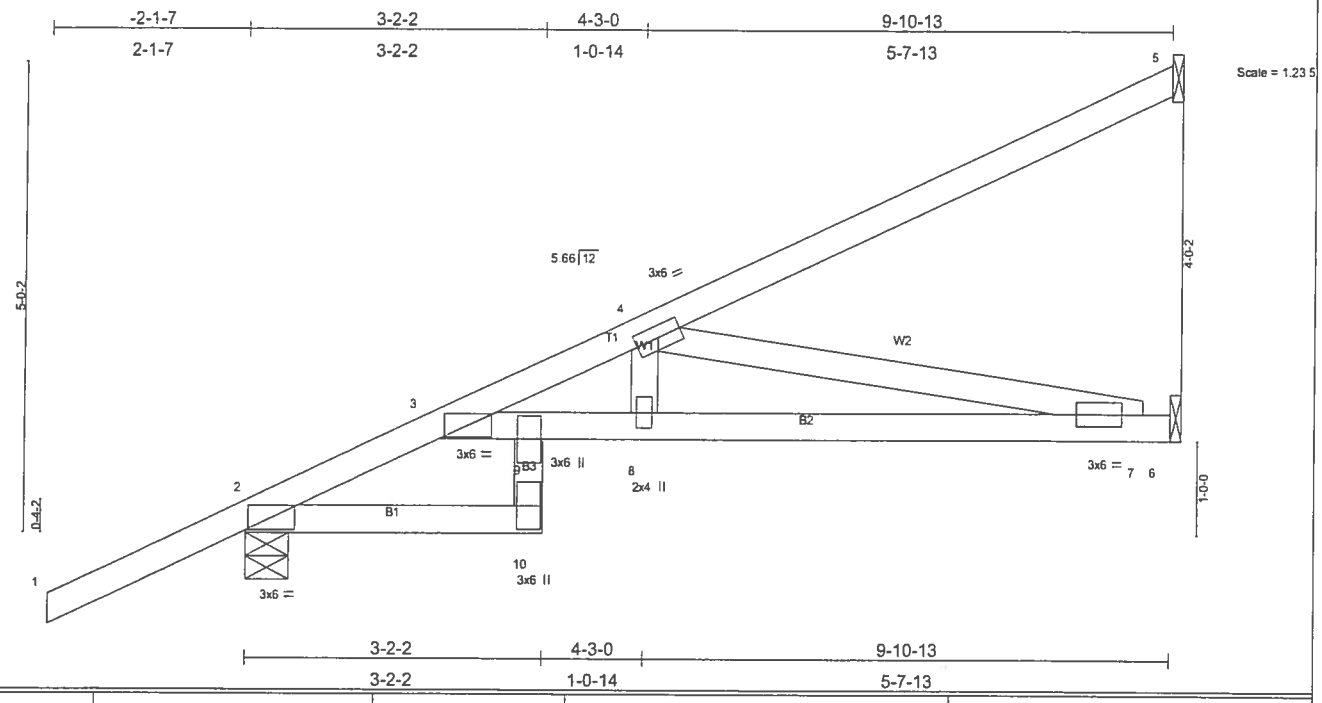

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.11	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.18	7-8	>631	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 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.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-4 oc bracing.

REACTIONS (lb/size) 5=262/Mechanical, 2=477/0-5-11, 6=390/Mechanical
Max Horz 2=340(load case 4)
Max Uplift5=-258(load case 4), 2=-186(load case 4), 6=-104(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-437/0, 3-4=-1418/419, 4-5=-146/81
BOT CHORD 2-10=-91/297, 9-10=-4/49, 3-9=-609/1029, 8-9=-699/1326, 7-8=-699/1326, 6-7=0/0
WEBS 4-8=0/405, 4-7=-1351/712

JOINT STRESS INDEX
2 = 0.27, 3 = 0.59, 4 = 0.37, 7 = 0.39, 8 = 0.30, 9 = 0.87 and 10 = 0.28

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 5, 186 lb uplift at joint 2 and 104 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=25, B=25)-to-5=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-10=-22(F=4, B=4), 3=16(F=8, B=8)-to-9=8(F=4, B=4), 9=-22(F=4, B=4)-to-6=-74(F=-22, B=-22)

SEPTEMBER 14, 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.#0914061116

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	PB01	PIGGYBACK	5	1	Job Reference (optional)

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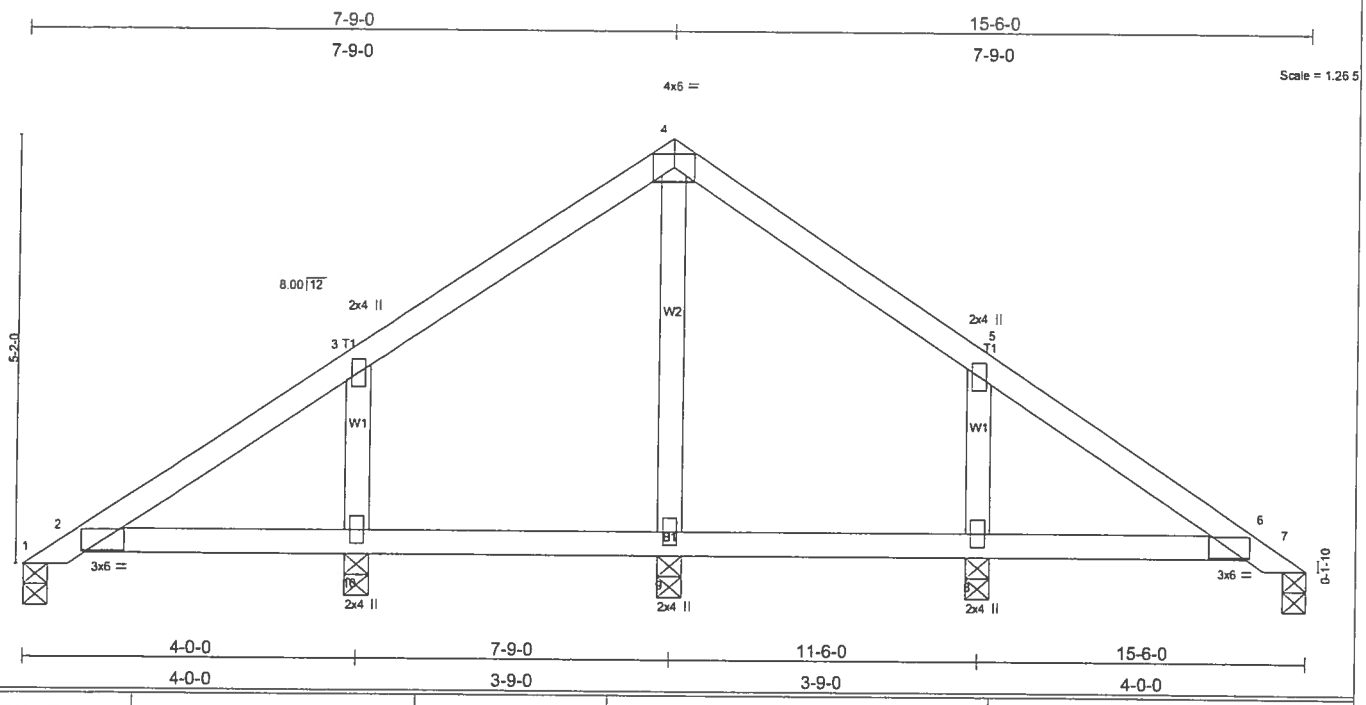


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.01	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 61 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. Except:
1 Row at midpt 8-10

REACTIONS (lb/size) 1=73/0-3-8, 7=73/0-3-8, 9=404/0-3-8, 10=353/0-3-8, 8=353/0-3-8
Max Horz 1=176(load case 4)
Max Uplift1=-49(load case 3), 7=-14(load case 6), 9=-43(load case 5), 10=-218(load case 5), 8=-212(load case 6)
Max Grav 1=81(load case 9), 7=81(load case 10), 9=404(load case 1), 10=363(load case 9), 8=363(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-182/180, 2-3=-148/161, 3-4=-47/152, 4-5=-6/152, 5-6=-76/161, 6-7=-41/12
BOT CHORD 2-10=-82/118, 9-10=-82/118, 8-9=-82/118, 6-8=-82/118
WEBS 4-9=-303/72, 3-10=-228/224, 5-8=-228/221

JOINT STRESS INDEX
2 = 0.21, 3 = 0.12, 4 = 0.26, 5 = 0.12, 6 = 0.21, 8 = 0.13, 9 = 0.11 and 10 = 0.13

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 1, 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 49 lb uplift at joint 1, 14 lb uplift at joint 7, 43 lb uplift at joint 9 , 218 lb uplift at joint 10 and 212 lb uplift at joint 8.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

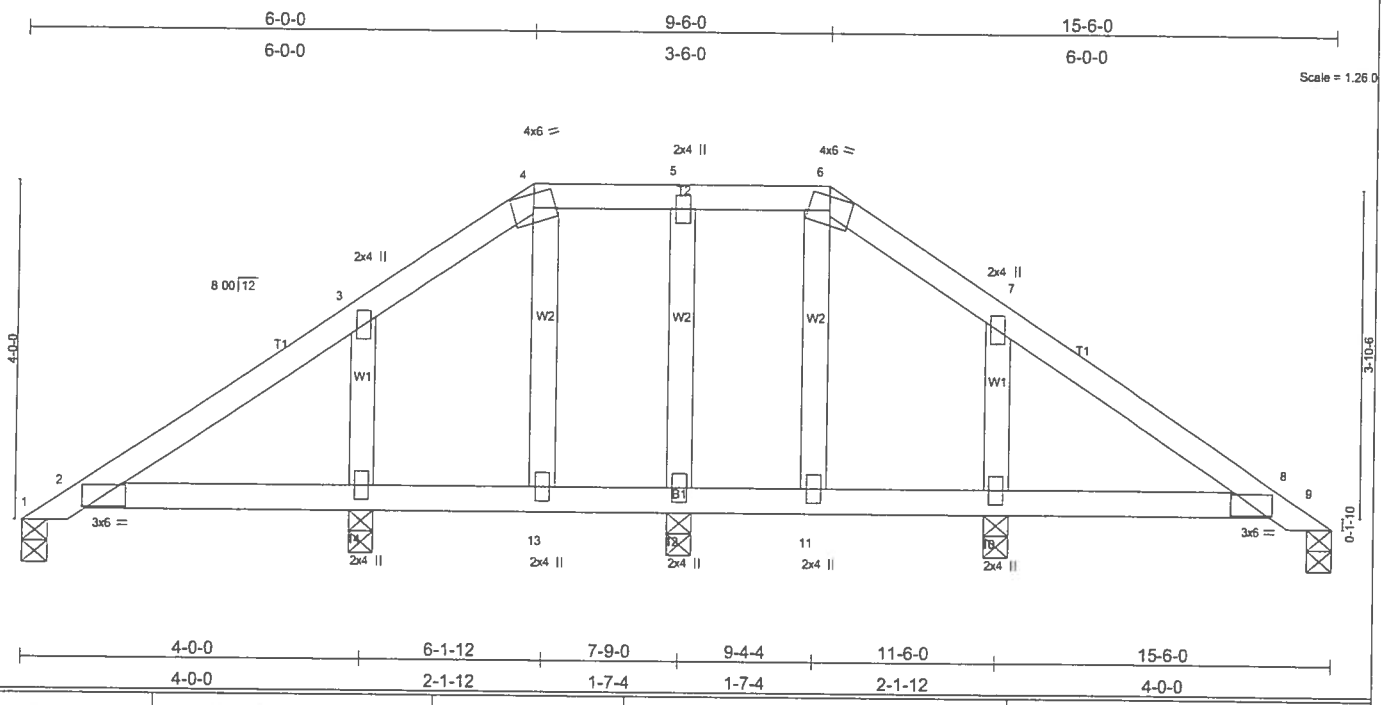
LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061117

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	PB02	HIP PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:23 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	0.14	Vert(LL)	0.01	2-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.01	2-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 68 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 6-0-0 oc bracing.

REACTIONS (lb/size) 1=93/0-3-8, 9=93/0-3-8, 14=367/0-3-8, 10=367/0-3-8, 12=336/0-3-8
Max Horz 1=136(load case 4)
Max Uplift1=-31(load case 3), 9=-18(load case 3), 14=-194(load case 5), 10=-183(load case 6), 12=-113(load case 4)
Max Grav 1=104(load case 9), 9=104(load case 10), 14=367(load case 1), 10=367(load case 1), 12=336(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-131/137, 2-3=-103/115, 3-4=-25/80, 4-5=0/68, 5-6=0/68, 6-7=-25/69, 7-8=-75/115, 8-9=-53/14
BOT CHORD 2-14=-44/122, 13-14=-44/122, 12-13=-46/122, 11-12=-46/122, 10-11=-44/121, 8-10=-44/121
WEBS 4-13=-44/37, 6-11=-44/29, 3-14=-209/185, 7-10=-209/180, 5-12=-177/102

JOINT STRESS INDEX
2 = 0.30, 3 = 0.10, 4 = 0.12, 5 = 0.06, 6 = 0.12, 7 = 0.10, 8 = 0.30, 10 = 0.11, 11 = 0.02, 12 = 0.06, 13 = 0.02 and 14 = 0.11

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 9 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 31 lb uplift at joint 1, 18 lb uplift at joint 9, 194 lb uplift at joint 14, 183 lb uplift at joint 10 and 113 lb uplift at joint 12.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

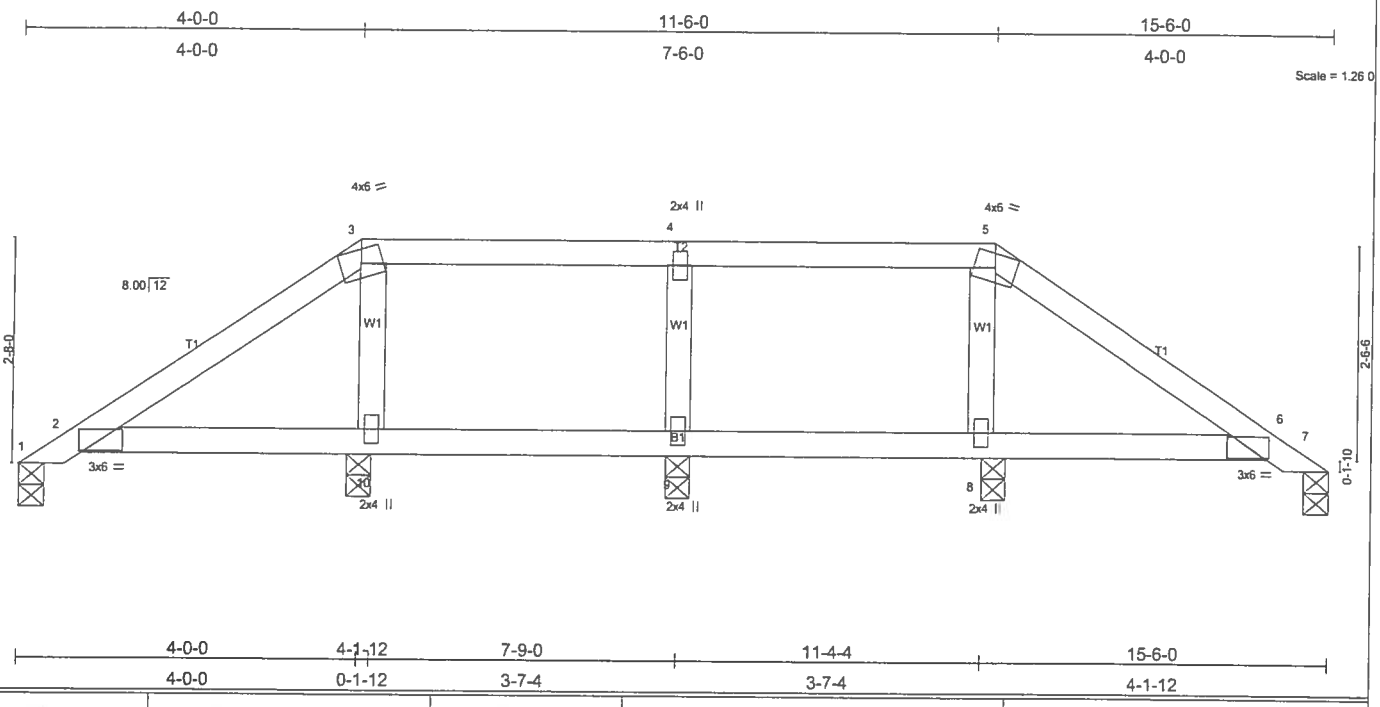
LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061118

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	PB03	HIP PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:25 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	0.15	Vert(LL)	0.01	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 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 6-0-0 oc bracing.

REACTIONS (lb/size) 1=58/0-3-8, 7=58/0-3-8, 10=424/0-3-8, 8=424/0-3-8, 9=292/0-3-8
Max Horz 1=90(load case 4)
Max Uplift1=-18(load case 6), 7=-37(load case 3), 10=-153(load case 5), 8=-137(load case 6), 9=-170(load case 3)
Max Grav 1=79(load case 9), 7=79(load case 10), 10=424(load case 1), 8=424(load case 1), 9=307(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-77/86, 2-3=-74/199, 3-4=-11/133, 4-5=-11/133, 5-6=-57/199, 6-7=-39/24
BOT CHORD 2-10=-114/102, 9-10=-133/114, 8-9=-133/114, 6-8=-114/102
WEBS 3-10=-291/179, 5-8=-291/179, 4-9=-208/190

JOINT STRESS INDEX
2 = 0.23, 3 = 0.43, 4 = 0.11, 5 = 0.43, 6 = 0.23, 8 = 0.11, 9 = 0.11 and 10 = 0.11

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 7 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 18 lb uplift at joint 1, 37 lb uplift at joint 7, 153 lb uplift at joint 10, 137 lb uplift at joint 8 and 170 lb uplift at joint 9.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

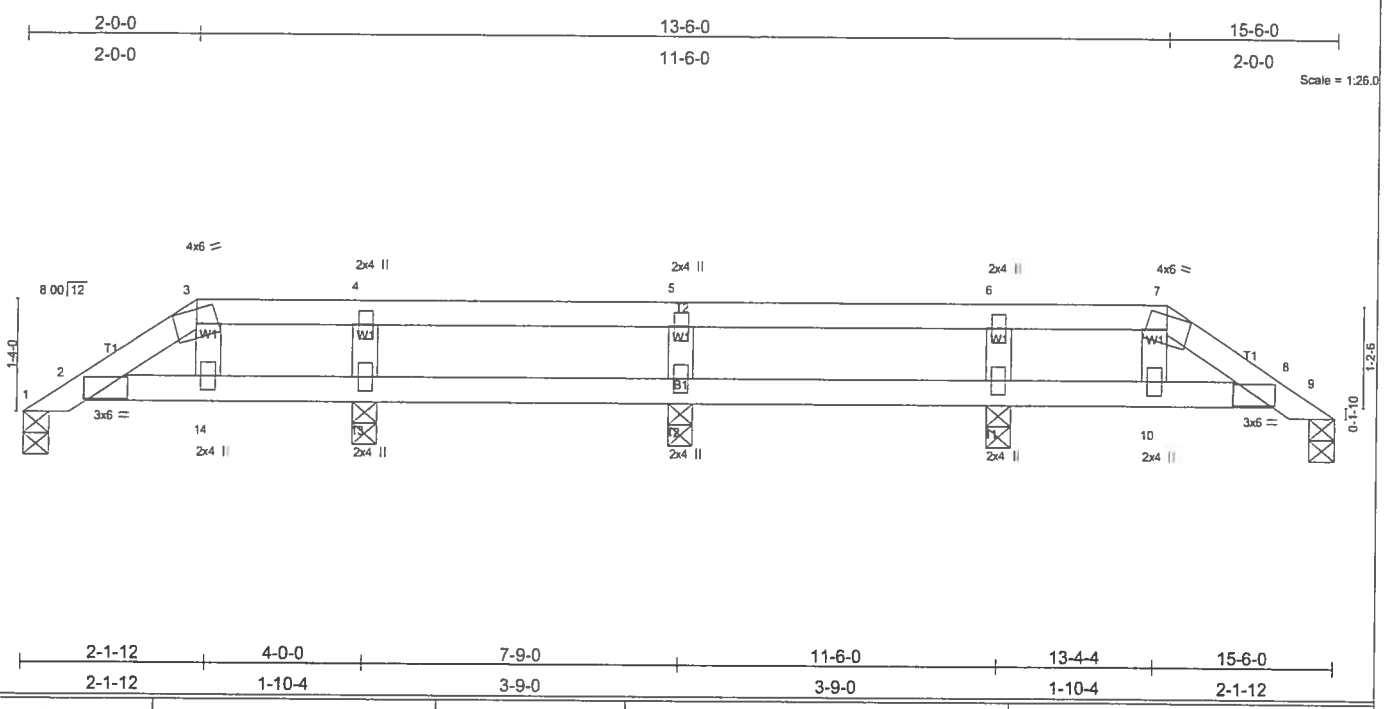
LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061119

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	PB04	HIP PIGGYBACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:26 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	0.13	Vert(LL)	0.01	14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 50 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) 1=144/0-3-8, 9=144/0-3-8, 12=300/0-3-8, 13=334/0-3-8, 11=334/0-3-8
Max Horz 1=43(load case 4)
Max Uplift1=-50(load case 5), 9=-53(load case 6), 12=-156(load case 3), 13=-158(load case 4), 11=-149(load case 3)
Max Grav 1=144(load case 1), 9=144(load case 1), 12=306(load case 9), 13=337(load case 9), 11=337(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-74/41, 2-3=-125/57, 3-4=-97/64, 4-5=-97/64, 5-6=-97/64, 6-7=-97/64, 7-8=-125/57, 8-9=-74/36
BOT CHORD 2-14=-30/95, 13-14=-26/97, 12-13=-26/97, 11-12=-26/97, 10-11=-26/97, 8-10=-27/95
WEBS 3-14=0/22, 7-10=0/20, 5-12=-202/182, 4-13=-202/159, 6-11=-202/154

JOINT STRESS INDEX
2 = 0.27, 3 = 0.07, 4 = 0.09, 5 = 0.10, 6 = 0.09, 7 = 0.07, 8 = 0.27, 10 = 0.01, 11 = 0.09, 12 = 0.10, 13 = 0.09 and 14 = 0.01

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 1, 9 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 50 lb uplift at joint 1, 53 lb uplift at joint 9, 156 lb uplift at joint 12, 158 lb uplift at joint 13 and 149 lb uplift at joint 11.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061120

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T01G	KINGPOST	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:29 2006 Page 1

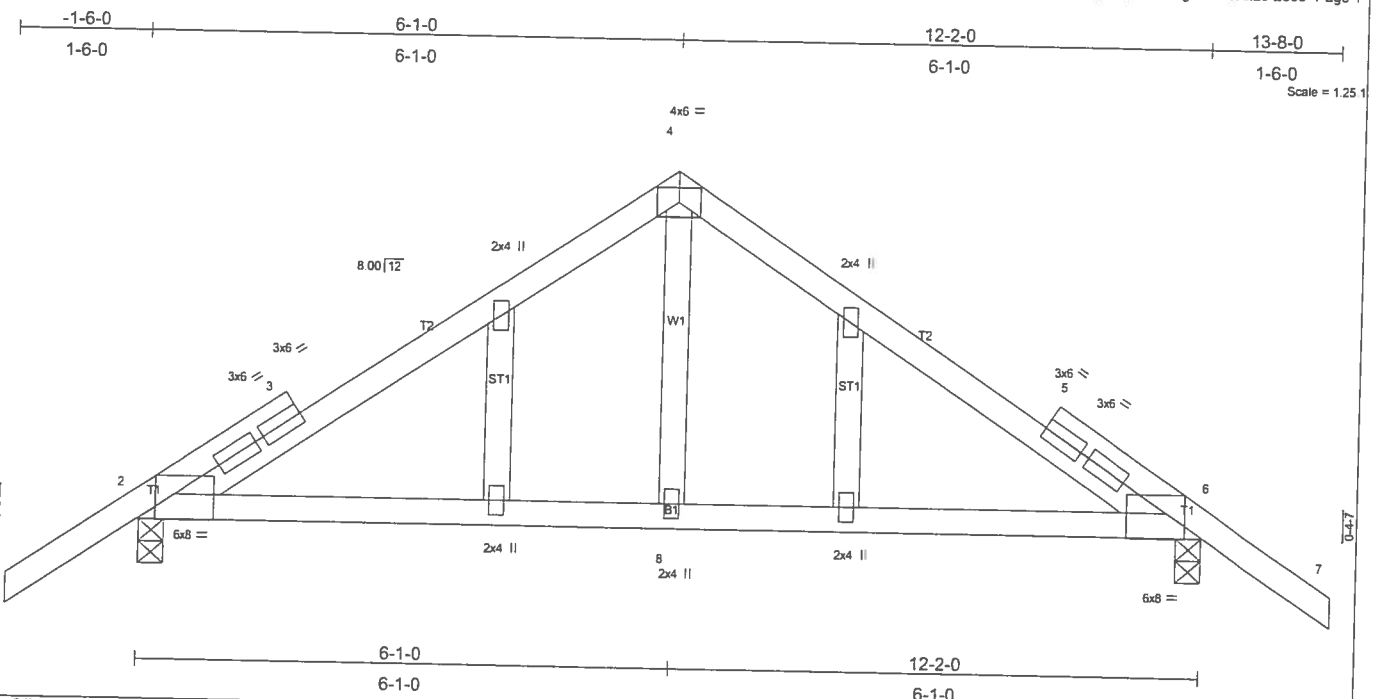


Plate Offsets (X,Y): [2:0-2-9,Edge], [6:0-2-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.07	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.11	6-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.08	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 62 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=929/0-3-8, 6=929/0-3-8
Max Horz 2=-135(load case 3)
Max Uplift2=-386(load case 5), 6=-386(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7/81, 2-3=-968/302, 3-4=-853/297, 4-5=-853/297, 5-6=-968/302, 6-7=-7/81
BOT CHORD 2-8=-157/710, 6-8=-157/710
WEBS 4-8=0/259

JOINT STRESS INDEX
2 = 0.60, 3 = 0.00, 3 = 0.48, 3 = 0.48, 4 = 0.96, 5 = 0.00, 5 = 0.48, 5 = 0.48, 6 = 0.60, 8 = 0.19, 9 = 0.00, 10 = 0.00, 11 = 0.00 and 12 = 0.00

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) Gable studs spaced at 2-0-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 386 lb uplift at joint 2 and 386 lb uplift at joint 6.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-30, 1-4=-99(F=-45), 4-7=-99(F=-45)

SEPTEMBER 14, 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.#0914061121

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T02	COMMON	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:31 2006 Page 1

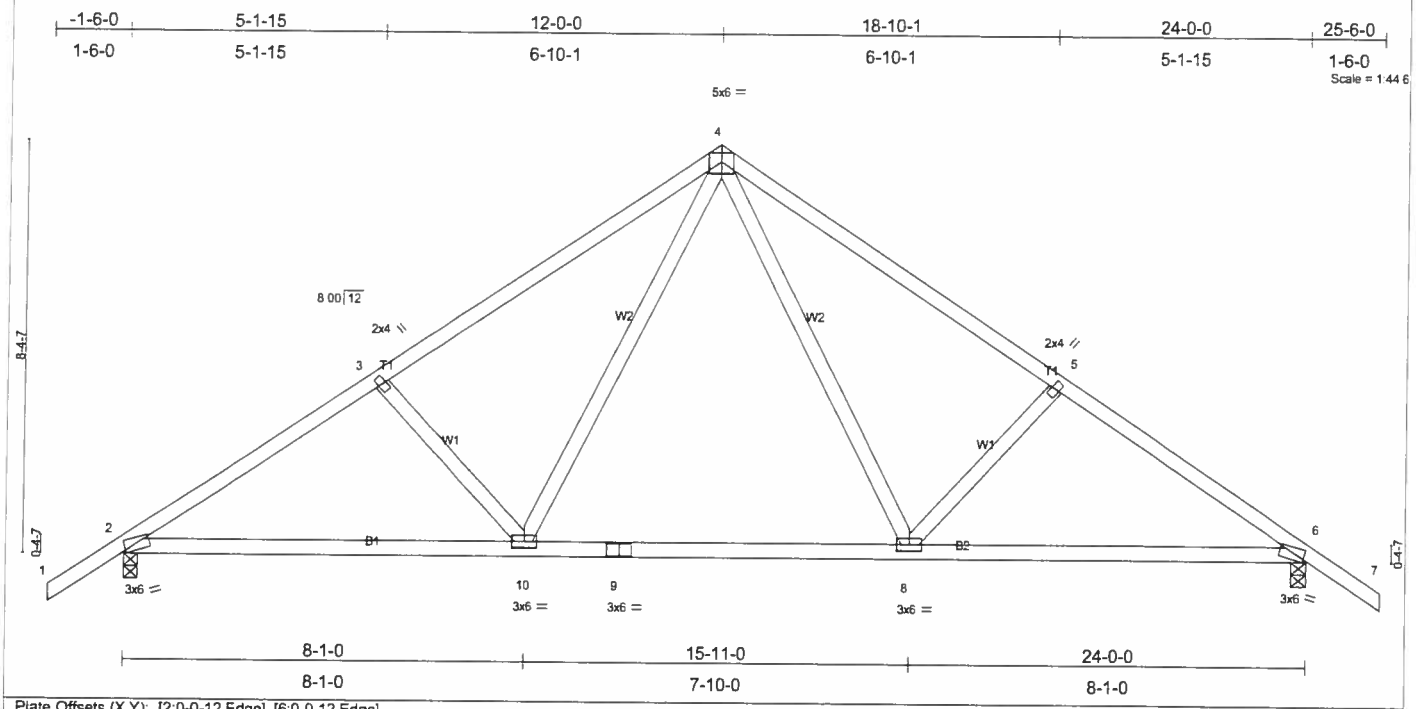


Plate Offsets (X,Y): [2:0-0-12,Edge], [6:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.28	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.45	8-10	>638	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 123 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 4-6-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-9-11 oc bracing.

REACTIONS (lb/size) 2=1280/0-3-8, 6=1280/0-3-8
Max Horz 2=-284(load case 3)
Max Uplift2=-485(load case 5), 6=-485(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-1813/640, 3-4=-1631/641, 4-5=-1631/641, 5-6=-1813/640, 6-7=0/44
BOT CHORD 2-10=-497/1438, 9-10=-191/959, 8-9=-191/959, 6-8=-380/1438
WEBS 3-10=-269/283, 4-10=-271/743, 4-8=-271/743, 5-8=-269/283

JOINT STRESS INDEX
2 = 0.78, 3 = 0.34, 4 = 0.69, 5 = 0.34, 6 = 0.78, 8 = 0.62, 9 = 0.60 and 10 = 0.62

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 485 lb uplift at joint 2 and 485 lb uplift at joint 6.
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: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

SEPTEMBER 14, 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.#0914061122

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T02G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:33 2006 Page 1

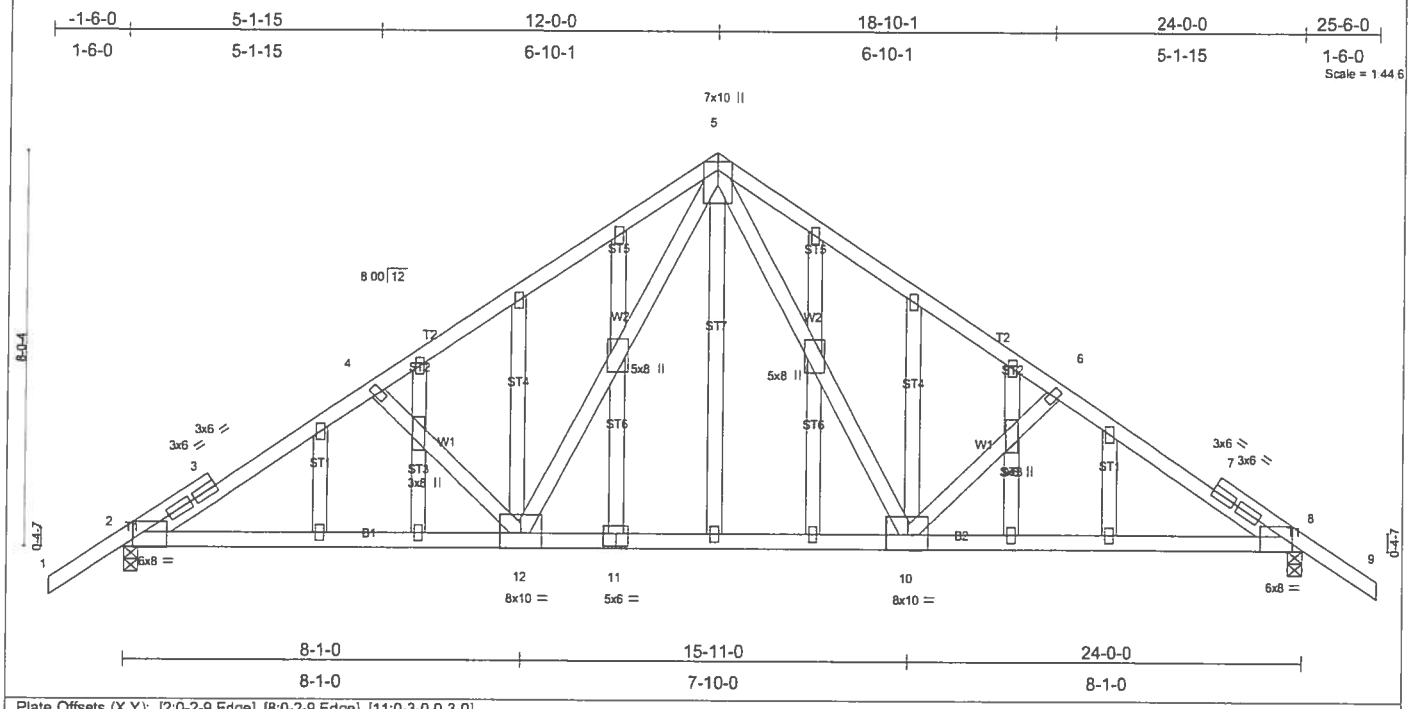


Plate Offsets (X,Y): [2:0-2-9,Edge], [8:0-2-9,Edge], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	-0.16	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.26	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.36	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 185 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 3-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-7 oc bracing.

REACTIONS (lb/size) 2=1692/0-3-8, 8=1692/0-3-8
Max Horz 2=272(load case 4)
Max Uplift2=-642(load case 5), 8=-642(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-7/81, 2-3=-2423/827, 3-4=-2342/814, 4-5=-2054/742, 5-6=-2054/742, 6-7=-2342/814, 7-8=-2423/827, 8-9=-7/81
BOT CHORD 2-12=-698/1980, 11-12=-287/1205, 10-11=-287/1205, 8-10=-575/1980
WEBS 4-12=-622/408, 5-12=-273/777, 5-10=-274/777, 6-10=-622/408

JOINT STRESS INDEX
2 = 0.64, 3 = 0.00, 3 = 0.48, 3 = 0.76, 4 = 0.34, 5 = 0.91, 6 = 0.34, 7 = 0.00, 7 = 0.76, 7 = 0.48, 8 = 0.64, 10 = 0.66, 11 = 0.29, 12 = 0.66, 13 = 0.34, 14 = 0.43, 15 = 0.34, 16 = 0.34, 17 = 0.40, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.43, 25 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.40, 29 = 0.34 and 30 = 0.34

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 studs spaced at 2-0-0 oc.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 642 lb uplift at joint 2 and 642 lb uplift at joint 8.
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=-99(F=-45), 5-9=-99(F=-45), 2-8=-30

SEPTEMBER 14, 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.#0914061123

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T03	COMMON	2	1	Job Reference (optional)

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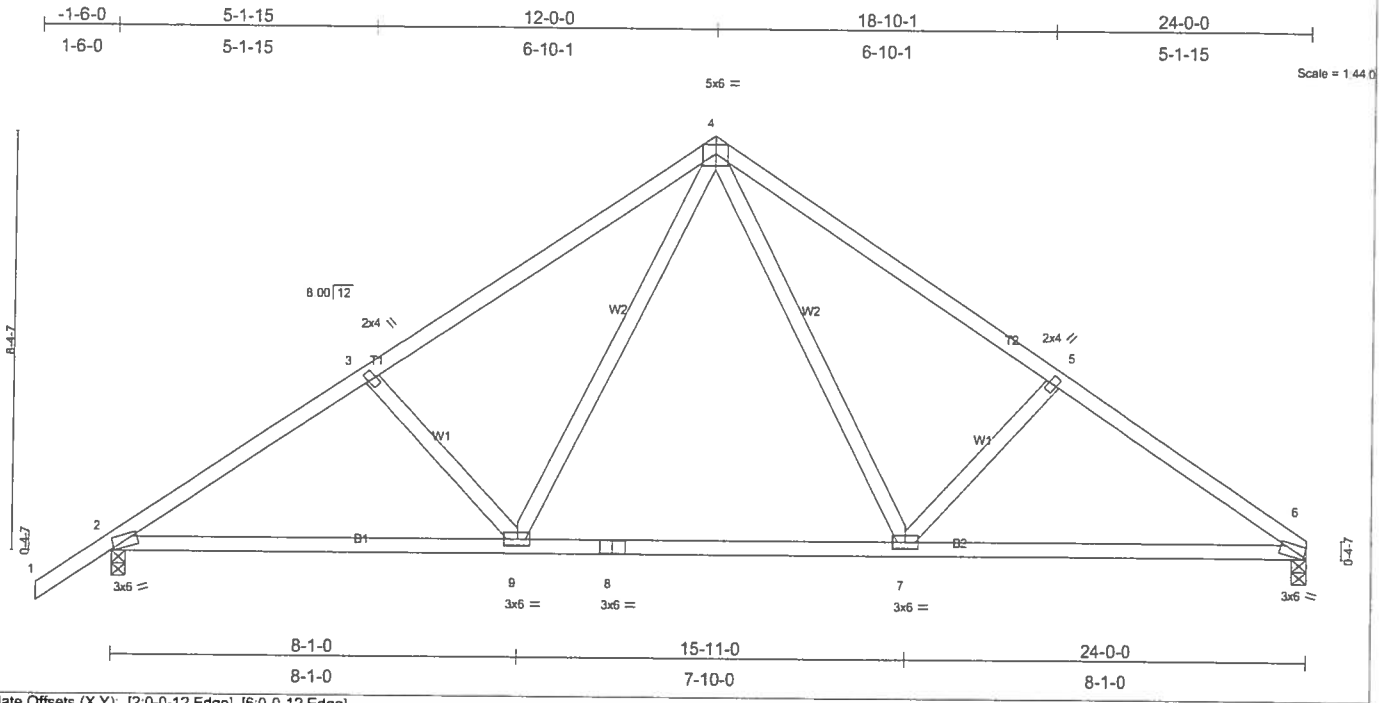

Plate Offsets (X,Y): [2:0-0-12,Edge], [6:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.27	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(TL)	-0.44	7-9	>644	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 120 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 4-5-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-3 oc bracing.

REACTIONS (lb/size) 6=1189/0-3-8, 2=1284/0-3-8
Max Horz 2=301(load case 4)
Max Uplift6=-388(load case 6), 2=-486(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-1819/648, 3-4=-1636/648, 4-5=-1646/662, 5-6=-1814/663
BOT CHORD 2-9=-523/1443, 8-9=-217/964, 7-8=-217/964, 6-7=-469/1456
WEBS 3-9=-269/283, 4-9=-270/743, 4-7=-293/758, 5-7=-279/297

JOINT STRESS INDEX
2 = 0.79, 3 = 0.34, 4 = 0.68, 5 = 0.34, 6 = 0.79, 7 = 0.64, 8 = 0.60 and 9 = 0.64

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 388 lb uplift at joint 6 and 486 lb uplift at joint 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: 1-4=-54, 4-6=-54, 2-9=-30, 7-9=-80(F=-50), 6-7=-30

SEPTEMBER 14, 2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0914061124

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T04	MONO HIP	1	2	Job Reference (optional)

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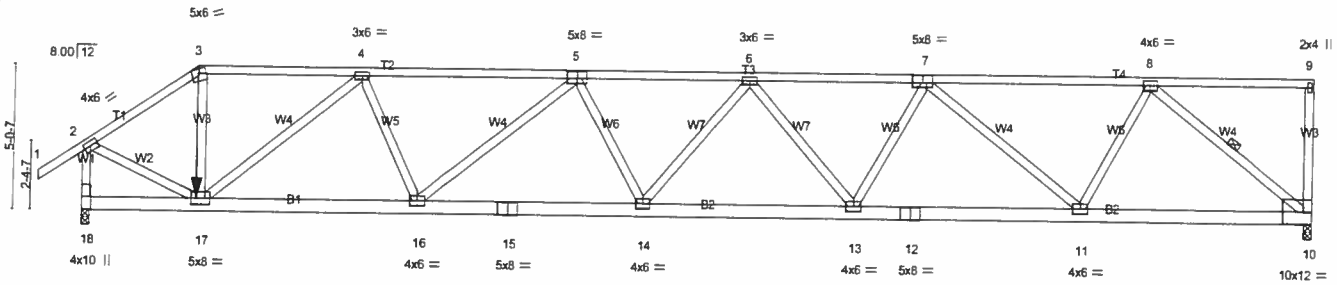
1-6-0	4-0-0	9-8-10	17-1-10	23-2-9	29-3-8	37-1-7	42-10-0
1-6-0	4-0-0	5-8-10	7-4-15	6-0-15	6-0-15	7-9-15	5-8-9

Scale = 1:76.2



4-0-0	11-8-8	19-6-8	26-10-10	34-8-9	42-10-0
4-0-0	7-8-8	7-10-0	7-4-2	7-10-0	8-1-6

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [5:0-4-0,0-3-0], [7:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.40	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.58	13-14	>879	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.13	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 553 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-10 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS (lb/size) 10=3919/0-3-8, 18=4291/0-3-8
Max Horz 18=240(load case 4)
Max Uplift10=-2456(load case 2), 18=-2378(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-4010/2333, 3-4=-3351/1979, 4-5=-7233/4403, 5-6=-8963/5521, 6-7=-8403/5192, 7-8=-5463/3324, 8-9=-77/43, 9-10=-267/279, 2-18=-4045/2264
BOT CHORD 17-18=-222/61, 16-17=-4051/6468, 15-16=-5498/8727, 14-15=-5498/8727, 13-14=-5632/8936, 12-13=-4952/7807, 11-12=-4952/7807, 10-11=-2673/4146
WEBS 3-17=-981/1787, 4-17=-4066/2700, 4-16=-898/1950, 5-16=-1970/1444, 5-14=-48/515, 6-14=0/181, 6-13=-861/711, 7-13=-524/1300, 7-11=-3090/2147, 8-11=-1422/2878, 8-10=-5306/3430, 2-17=-2205/3638

JOINT STRESS INDEX
2 = 0.76, 3 = 0.52, 4 = 0.84, 5 = 0.82, 6 = 0.39, 7 = 0.98, 8 = 0.81, 9 = 0.87, 10 = 0.45, 11 = 0.81, 12 = 0.82, 13 = 0.36, 14 = 0.31, 15 = 0.95, 16 = 0.58, 17 = 0.83 and 18 = 0.33

NOTES
1) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 308 lb down and 235 lb up at 4-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
2) 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 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 308 lb down and 235 lb up at 4-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
3) 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.
4) 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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2456 lb uplift at joint 10 and 2378 lb uplift at joint 18.
8) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 4-0-0
9) Girder carries hip end with 0-0-0 right side setback, 4-0-0 left side setback, and 7-0-0 end setback.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 308 lb down and 235 lb up at 4-0-0 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=-54, 2-3=-54, 3-9=-118(F=-64), 17-18=-135(F=-105), 10-17=-65(F=-35)
Concentrated Loads (lb)
Vert: 17=-308(F)

SEPTEMBER 14, 2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0914061125

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T05	MONO HIP	1	1	Job Reference (optional)

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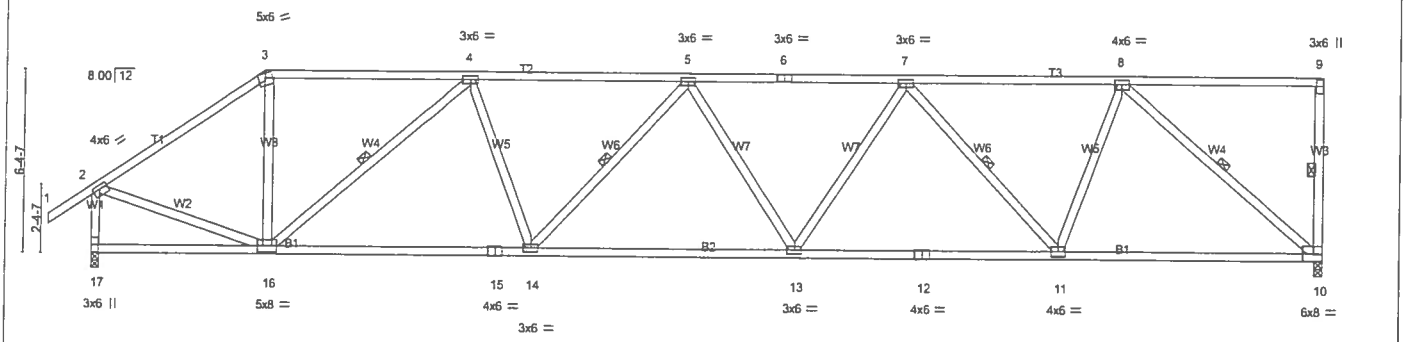
1-6-0	6-0-0	13-0-14	20-7-9	28-2-6	35-9-2	42-10-0
1-6-0	6-0-0	7-0-14	7-6-11	7-6-13	7-6-12	7-0-14

Scale = 1:76.2



6-0-0	15-2-11	24-4-15	33-7-3	42-10-0
6-0-0	9-2-11	9-2-4	9-2-4	9-2-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.34	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.55	13-14	>931	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.16	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 250 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 3-3-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-11 oc bracing.
WEBS 1 Row at midpt 9-10, 4-16, 5-14, 7-11, 8-10

REACTIONS (lb/size) 10=1785/0-3-8, 17=1877/0-3-8
Max Horz 17=302(load case 5)
Max Uplift10=-822(load case 3), 17=-573(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1941/769, 3-4=-1561/718, 4-5=-2876/1227, 5-6=-3068/1351, 6-7=-3068/1351, 7-8=-2122/941, 8-9=-49/15, 9-10=-172/139, 2-17=-1802/767
BOT CHORD 16-17=-300/65, 15-16=-1168/2671, 14-15=-1168/2671, 13-14=-1425/3139, 12-13=-1309/2828, 11-12=-1309/2828, 10-11=-816/1739
WEBS 3-16=-253/679, 4-16=-1478/796, 4-14=-176/613, 5-14=-396/299, 5-13=-134/170, 7-13=-107/455, 7-11=-1063/554, 8-11=-372/1144, 8-10=-2249/1067, 2-16=-667/1576

JOINT STRESS INDEX
2 = 0.76, 3 = 0.64, 4 = 0.56, 5 = 0.43, 6 = 0.66, 7 = 0.43, 8 = 0.73, 9 = 0.42, 10 = 0.39, 11 = 0.73, 12 = 1.00, 13 = 0.43, 14 = 0.56, 15 = 0.85, 16 = 0.72 and 17 = 0.31

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; end vertical left 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) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 822 lb uplift at joint 10 and 573 lb uplift at joint 17.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061126

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T06	MONO HIP	1	1	Job Reference (optional)

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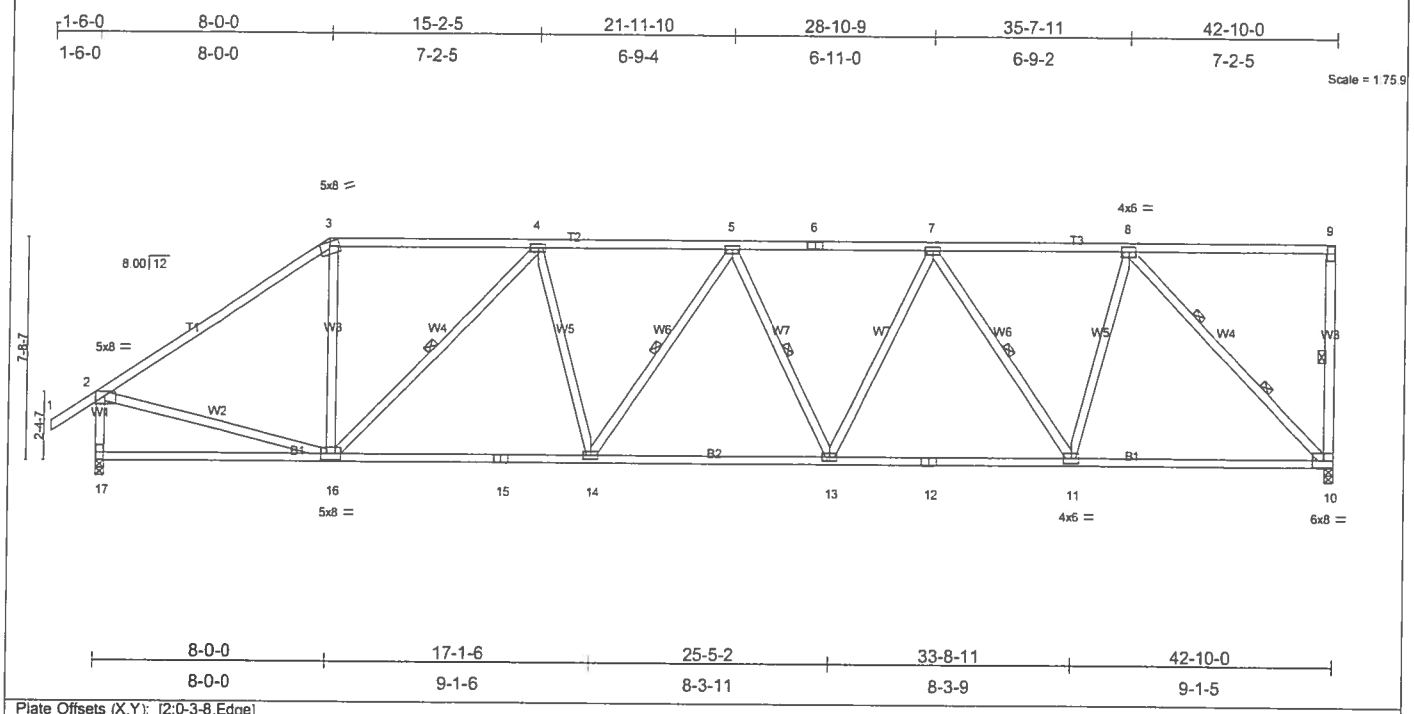


Plate Offsets (X,Y): [2:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.25	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.41	14-16	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.12	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 269 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-3 oc bracing.
WEBS 1 Row at midpt 9-10, 4-16, 5-14, 5-13, 7-11
2 Rows at 1/3 pts 8-10

REACTIONS (lb/size) 10=1785/0-3-8, 17=1877/0-3-8
Max Horz 17=363(load case 5)
Max Uplift10=-803(load case 3), 17=-539(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-2047/790, 3-4=-1618/758, 4-5=-2471/1039, 5-6=-2473/1049, 6-7=-2473/1049, 7-8=-1726/745, 8-9=-39/13, 9-10=-178/145, 2-17=-1761/758
BOT CHORD 16-17=-419/159, 15-16=-1030/2363, 14-15=-1030/2363, 13-14=-1114/2573, 12-13=-1007/2260, 11-12=-1007/2260, 10-11=-657/1445
WEBS 3-16=-247/653, 4-16=-1082/643, 4-14=-117/434, 5-14=-186/200, 5-13=-238/202, 7-13=-151/502, 7-11=-977/478, 8-11=-351/1124, 8-10=-2040/936, 2-16=-643/1497

JOINT STRESS INDEX
2 = 0.77, 3 = 0.78, 4 = 0.52, 5 = 0.47, 6 = 0.54, 7 = 0.47, 8 = 0.77, 9 = 0.42, 10 = 0.34, 11 = 0.77, 12 = 0.91, 13 = 0.47, 14 = 0.52, 15 = 0.96, 16 = 0.71 and 17 = 0.53

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; end vertical left 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) Provide adequate drainage to prevent water ponding.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 803 lb uplift at joint 10 and 539 lb uplift at joint 17.

LOAD CASE(S) Standard

SEPTEMBER 14, 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

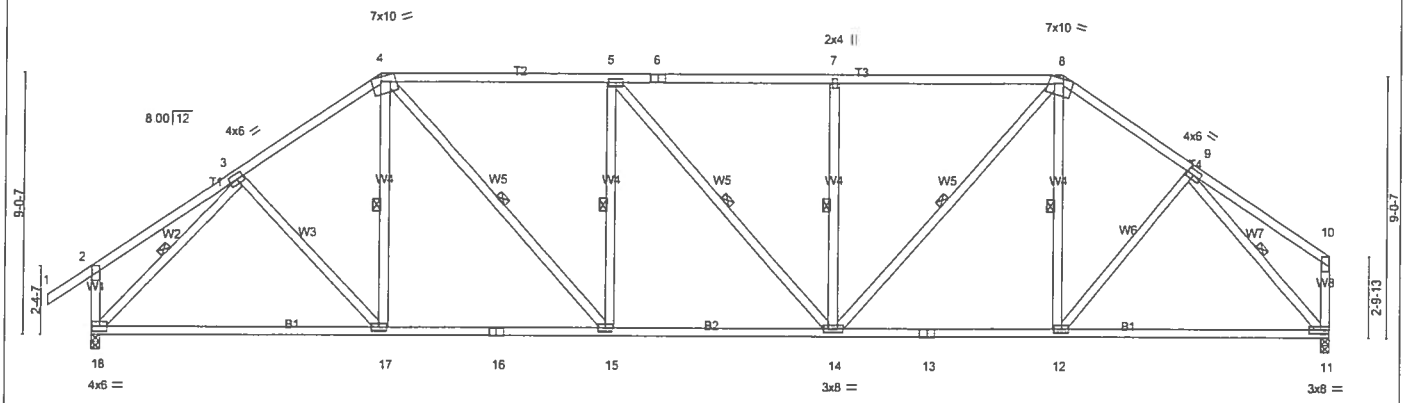
Dwg.#0914061127

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T07	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:42 2006 Page 1

1-6-0	5-1-8	10-0-0	17-10-9	25-7-7	33-6-0	37-11-15	42-10-0
1-6-0	5-1-8	4-10-8	7-10-9	7-8-13	7-10-9	4-5-15	4-10-1

Scale = 1:75.9



10-0-0	17-10-9	25-7-7	33-6-0	42-10-0
10-0-0	7-10-9	7-8-13	7-10-9	9-4-0

Plate Offsets (X,Y): [4:0-4-0,Edge], [8:0-4-0,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	0.89	Vert(LL)	-0.20	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.35	17-18	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.11	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 285 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 3-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-7-1 oc bracing.
WEBS 1 Row at midpt 4-17, 4-15, 5-15, 5-14, 7-14, 8-14, 8-12, 3-18, 9-11

REACTIONS (lb/size) 18=1877/0-3-8, 11=1785/0-3-8
Max Horz 18=314(load case 4)
Max Uplift18=-579(load case 4), 11=-560(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-279/215, 3-4=-1973/863, 4-5=-2155/1010, 5-6=-2132/998, 6-7=-2132/998, 7-8=-2132/998, 8-9=-1879/822, 9-10=-237/114, 2-18=-352/299, 10-11=-231/137
BOT CHORD 17-18=-691/1399, 16-17=-709/1594, 15-16=-709/1594, 14-15=-931/2155, 13-14=-503/1521, 12-13=-503/1521, 11-12=-472/1278
WEBS 3-17=-245/378, 4-17=-41/234, 4-15=-522/904, 5-15=-450/431, 5-14=-86/99, 7-14=-432/372, 8-14=-540/971, 8-12=-91/259, 9-12=-268/462, 3-18=-1849/653, 9-11=-1820/717

JOINT STRESS INDEX
2 = 0.34, 3 = 0.53, 4 = 0.65, 5 = 0.39, 6 = 0.34, 7 = 0.34, 8 = 0.63, 9 = 0.54, 10 = 0.41, 11 = 0.67, 12 = 0.40, 13 = 0.63, 14 = 0.97, 15 = 0.61, 16 = 0.64, 17 = 0.38 and 18 = 0.79

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left 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 3x6 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 579 lb uplift at joint 18 and 560 lb uplift at joint 11.

LOAD CASE(S) Standard

SEPTEMBER 14, 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

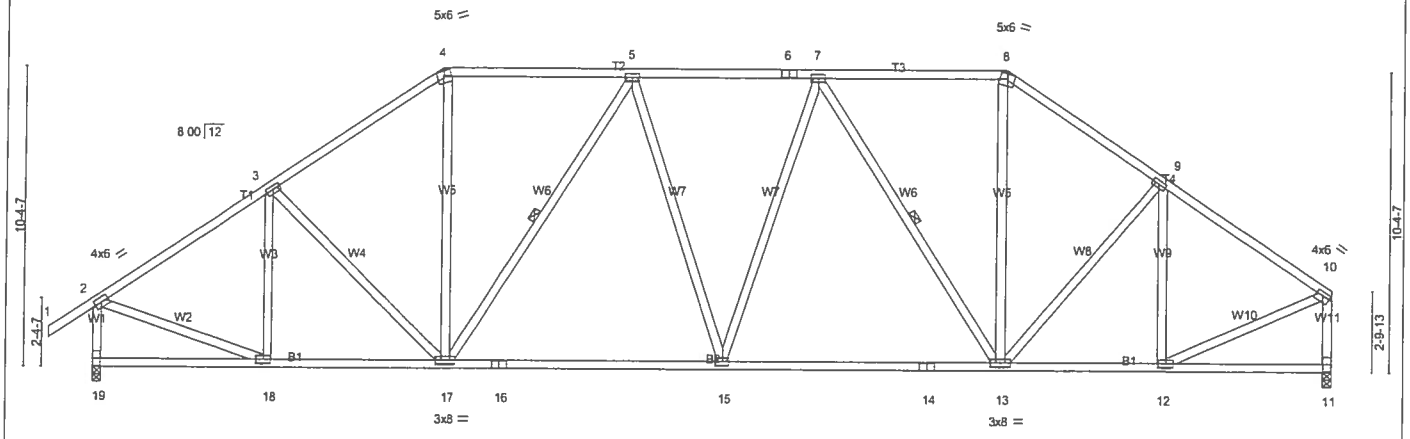
Dwg.#0914061128

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T08	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:45 2006 Page 1

1-6-0	6-0-7	12-0-0	18-6-0	25-0-0	31-6-0	36-11-11	42-10-0
1-6-0	6-0-7	5-11-9	6-6-0	6-6-0	6-6-0	5-5-11	5-10-5

Scale = 1:75.9



6-0-7	12-0-0	21-9-0	31-6-0	36-11-11	42-10-0
6-0-7	5-11-9	9-9-0	9-9-0	5-5-11	5-10-5

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [10:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.24	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.39	13-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.09	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 298 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-3-3 oc bracing.
WEBS 1 Row at midpt 5-17, 7-13

REACTIONS (lb/size) 19=1877/0-3-8, 11=1785/0-3-8
Max Horz 19=360(load case 4)
Max Uplift19=-593(load case 5), 11=-500(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1911/760, 3-4=-1947/867, 4-5=-1558/800, 5-6=-1897/913, 6-7=-1897/913, 7-8=-1505/771, 8-9=-1877/841, 9-10=-1776/692, 2-19=-1781/762, 10-11=-1689/671
BOT CHORD 18-19=-354/286, 17-18=-681/1514, 16-17=-756/1856, 15-16=-756/1856, 14-15=-693/1839, 13-14=-693/1839, 12-13=-485/1406, 11-12=-47/90
WEBS 3-18=-367/186, 3-17=-224/192, 4-17=-239/688, 5-17=-651/441, 5-15=-56/198, 7-15=-70/247, 7-13=-707/455, 8-13=-238/670, 9-13=-235/252, 9-12=-459/238, 2-18=-438/1517, 10-12=-481/1444

JOINT STRESS INDEX
2 = 0.74, 3 = 0.43, 4 = 0.63, 5 = 0.50, 6 = 0.35, 7 = 0.50, 8 = 0.58, 9 = 0.43, 10 = 0.81, 11 = 0.38, 12 = 0.83, 13 = 0.59, 14 = 0.77, 15 = 0.50, 16 = 0.66, 17 = 0.59, 18 = 0.86 and 19 = 0.39

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left 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 3x6 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 593 lb uplift at joint 19 and 500 lb uplift at joint 11.

LOAD CASE(S) Standard

SEPTEMBER 14, 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

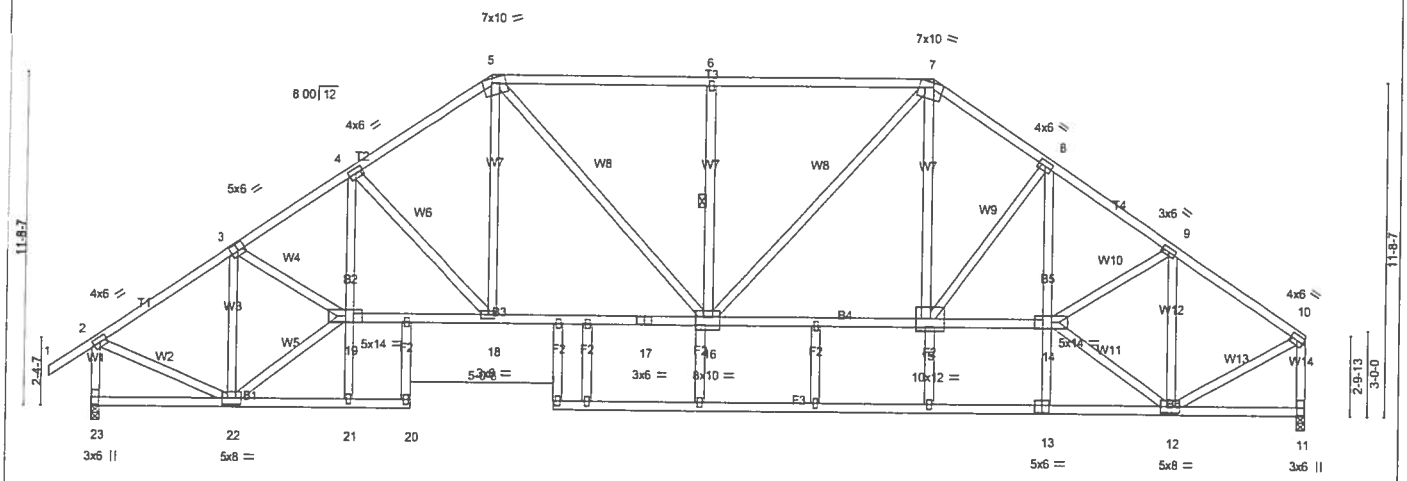
Dwg.#0914061129

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:47 2006 Page 1

1-6-0	5-0-0	9-3-8	14-0-0	21-9-0	29-6-0	33-6-0	38-1-0	42-10-0
1-6-0	5-0-0	4-3-8	4-8-8	7-9-0	7-9-0	4-0-0	4-7-0	4-8-15

Scale = 1:77.3



5-0-0	9-3-8	14-0-0	21-9-0	29-6-0	33-6-0	38-1-0	42-10-0
5-0-0	4-3-8	4-8-8	7-9-0	7-9-0	4-0-0	4-7-0	4-8-15

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [3:0-3-0,0-3-0], [5:0-4-0,Edge], [7:0-4-0,Edge], [13:0-3-0,0-3-0], [16:0-5-0,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.25	16-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.40	16-18	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.29	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 370 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-5-4 oc bracing: 18-19.
1 Row at midpt 16-18
WEBS 1 Row at midpt 6-16
JOINTS 1 Brace at Jt(s): 16, 15, 14

REACTIONS (lb/size) 23=1926/0-3-8, 11=1800/0-3-8
Max Horz 23=406(load case 4)
Max Uplift23=-598(load case 5), 11=-512(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1857/702, 3-4=-3134/1176, 4-5=-2536/1040, 5-6=-2345/1047, 6-7=-2345/1047, 7-8=-2431/1022, 8-9=-2818/1095, 9-10=-1666/629, 2-23=-1844/742, 10-11=-1725/655
BOT CHORD 22-23=-389/333, 21-22=-14/16, 20-21=0/0, 19-21=0/138, 4-19=-216/627, 18-19=-972/2557, 17-18=-772/2075, 16-17=-772/2075, 15-16=-533/1997, 14-15=-698/2283, 13-14=0/70, 8-14=-130/399, 12-13=-8/35, 11-12=-33/60
WEBS 3-22=-1571/590, 19-22=-765/1805, 3-19=-392/1239, 4-18=-709/394, 5-18=-247/722, 5-16=-402/527, 6-16=-441/388, 7-16=-405/630, 7-15=-208/599, 8-15=-488/305, 12-14=-535/1562, 9-14=-305/1114, 9-12=-1463/578, 2-22=-425/1549, 10-12=-481/1457

JOINT STRESS INDEX
2 = 0.63, 3 = 0.63, 4 = 0.35, 5 = 0.64, 6 = 0.34, 7 = 0.62, 8 = 0.32, 9 = 0.74, 10 = 0.72, 11 = 0.31, 12 = 0.73, 13 = 0.33, 14 = 0.67, 15 = 0.26, 16 = 0.26, 17 = 0.76, 18 = 0.47, 19 = 0.68, 20 = 0.34, 21 = 0.34, 22 = 0.84, 23 = 0.33, 24 = 0.34, 25 = 0.34, 26 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34, 31 = 0.34 and 32 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left 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 2x4 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 598 lb uplift at joint 23 and 512 lb uplift at joint 11.

LOAD CASE(S) Standard

SEPTEMBER 14, 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

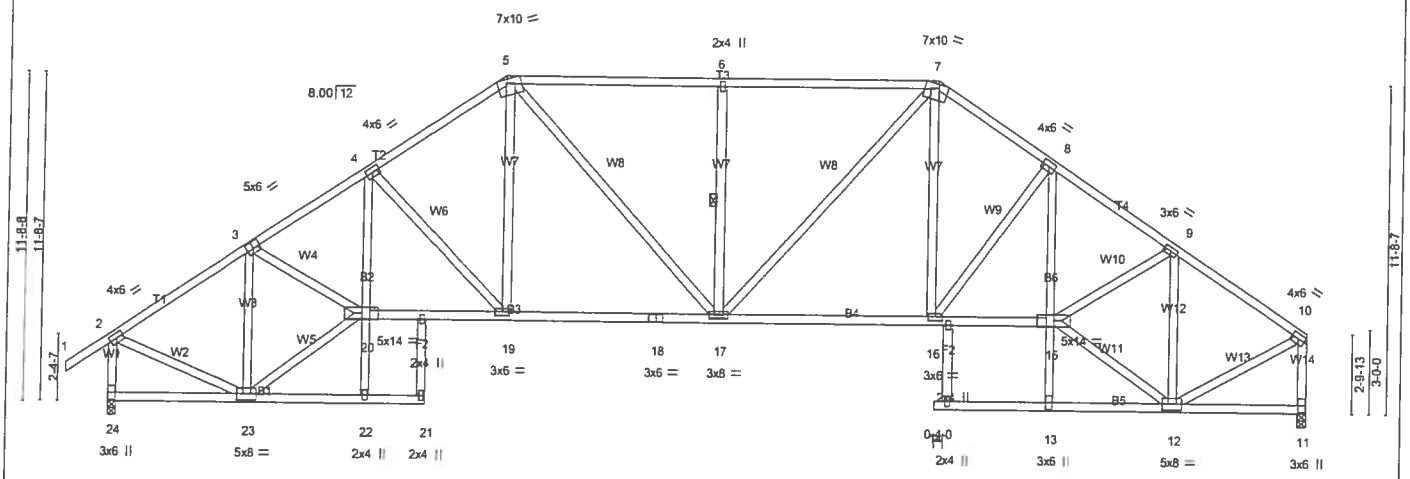
Dwg.#0914061130

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T10	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:48 2006 Page 1

1-6-0	5-0-0	9-3-8	14-0-0	21-9-0	29-6-0	33-6-0	38-1-1	42-10-0
1-6-0	5-0-0	4-3-8	4-8-8	7-9-0	7-9-0	4-0-0	4-7-1	4-8-15

Scale = 1:78.3



5-0-0	9-3-8	14-0-0	21-9-0	29-6-0	33-6-0	38-1-1	42-10-0
5-0-0	4-3-8	4-8-8	7-9-0	7-9-0	4-0-0	4-7-1	4-8-15

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [3:0-3-0,0-3-0], [5:0-4-0,Edge], [7:0-4-1,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	0.50	Vert(LL)	-0.47	14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.80	14	>642	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.31	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 334 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B6 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins, except end verticals, and 2-0-0 oc purlins (3-8-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-17
JOINTS 1 Brace at Jt(s): 15

REACTIONS (lb/size) 24=1959/0-3-8, 11=1892/0-3-8
Max Horz 24=406(load case 4)
Max Uplift24=-592(load case 5), 11=-493(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1892/696, 3-4=-3203/1163, 4-5=-2601/1027, 5-6=-2429/1031, 6-7=-2429/1031, 7-8=-2563/996, 8-9=-3057/1047, 9-10=-1749/612, 2-24=-1877/736, 10-11=-1808/638
BOT CHORD 23-24=-389/333, 22-23=-14/17, 21-22=0/0, 20-22=0/139, 4-20=-215/632, 19-20=-961/2614, 18-19=-761/2129, 17-18=-761/2129, 16-17=-510/2110, 15-16=-658/2478, 13-15=0/226, 8-15=-96/569, 13-14=0/0, 12-13=-33/0, 11-12=-32/65
WEBS 3-23=-1605/583, 20-23=-758/1841, 3-20=-386/1271, 4-19=-714/393, 5-19=-246/725, 5-17=-393/571, 6-17=-441/388, 7-17=-414/586, 7-16=-186/703, 8-16=-626/277, 12-15=-504/1718, 9-15=-274/1267, 9-12=-1628/545, 2-23=-419/1580, 10-12=-466/1529

JOINT STRESS INDEX
2 = 0.64, 3 = 0.64, 4 = 0.36, 5 = 0.66, 6 = 0.34, 7 = 0.65, 8 = 0.44, 9 = 0.84, 10 = 0.75, 11 = 0.34, 12 = 0.80, 13 = 0.39, 15 = 0.67, 16 = 0.46, 17 = 0.59, 18 = 0.78, 19 = 0.47, 20 = 0.70, 21 = 0.34, 22 = 0.34, 23 = 0.86, 24 = 0.34, 25 = 0.34, 26 = 0.34 and 27 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left 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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 592 lb uplift at joint 24 and 493 lb uplift at joint 11.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

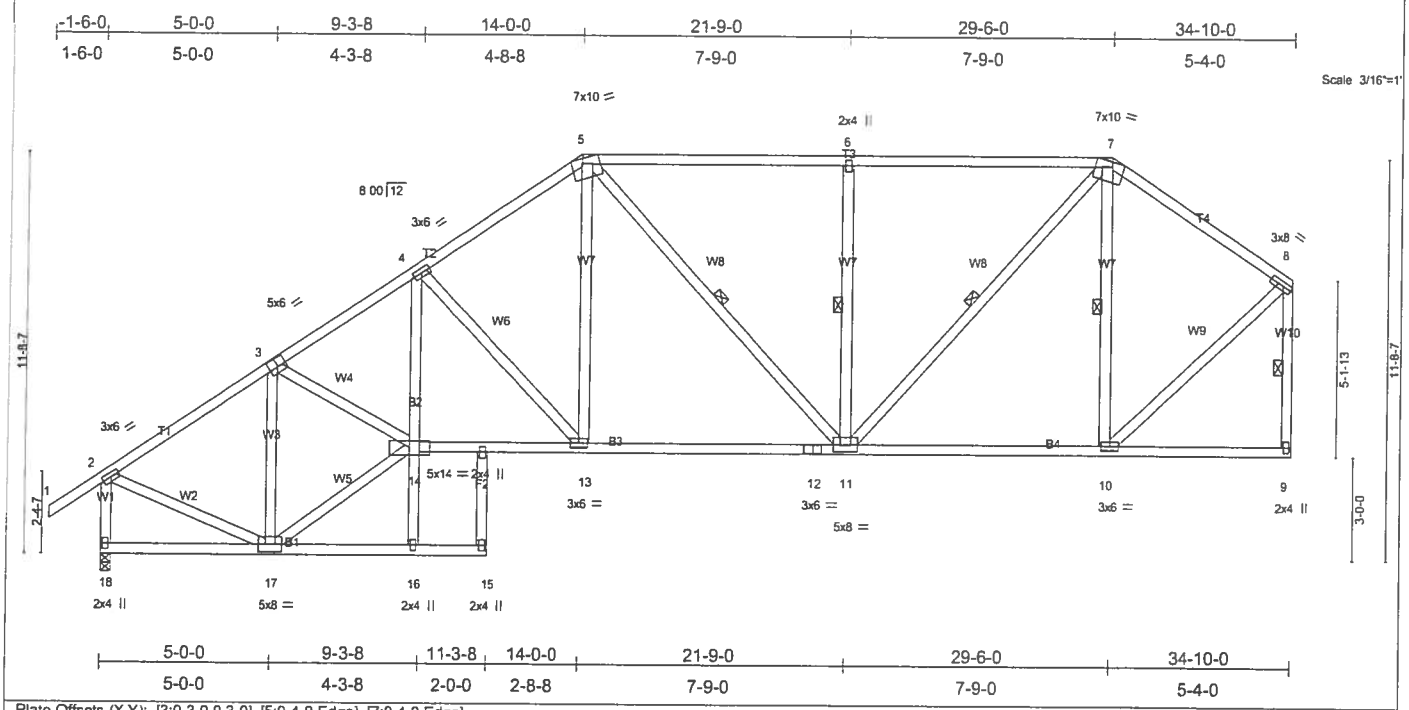
LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061131

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T11	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:50 2006 Page 1



5-0-0	9-3-8	11-3-8	14-0-0	21-9-0	29-6-0	34-10-0
5-0-0	4-3-8	2-0-0	2-8-8	7-9-0	7-9-0	5-4-0

Plate Offsets (X,Y): [3:0-3-0,0-3-0], [5:0-4-0,Edge], [7:0-4-0,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	0.44	Vert(LL)	-0.16	15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.26	15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.12	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 259 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins, except end verticals, and 2-0-0 oc purlins (4-9-14 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 6-8-12 oc bracing.
WEBS 1 Row at midpt 5-11, 6-11, 7-11, 7-10, 8-9

REACTIONS (lb/size) 18=1587/0-3-8, 9=1467/Mechanical
Max Horz 18=436(load case 5)
Max Uplift18=-489(load case 5), 9=-403(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1490/531, 3-4=-2455/1018, 4-5=-1864/824, 5-6=-1474/722, 6-7=-1474/722, 7-8=-1050/451, 2-18=-1507/585, 8-9=-1401/584
BOT CHORD 17-18=-411/171, 16-17=-14/10, 15-16=0/0, 14-16=0/136, 4-14=-272/617, 13-14=-889/1991, 12-13=-645/1515, 11-12=-645/1515, 10-11=-295/813, 9-10=-18/21
WEBS 3-17=-1237/582, 14-17=-740/1448, 3-14=-331/932, 4-13=-699/449, 5-13=-275/687, 5-11=-263/138, 6-11=-445/390, 7-11=-492/1007, 7-10=-538/324, 2-17=-272/1222, 8-10=-423/1091

JOINT STRESS INDEX
2 = 0.74, 3 = 0.49, 4 = 0.50, 5 = 0.60, 6 = 0.34, 7 = 0.62, 8 = 0.74, 9 = 0.64, 10 = 0.68, 11 = 0.48, 12 = 0.62, 13 = 0.45, 14 = 0.48, 15 = 0.34, 16 = 0.34, 17 = 0.67, 18 = 0.84 and 19 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left 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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 18 and 403 lb uplift at joint 9.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061132

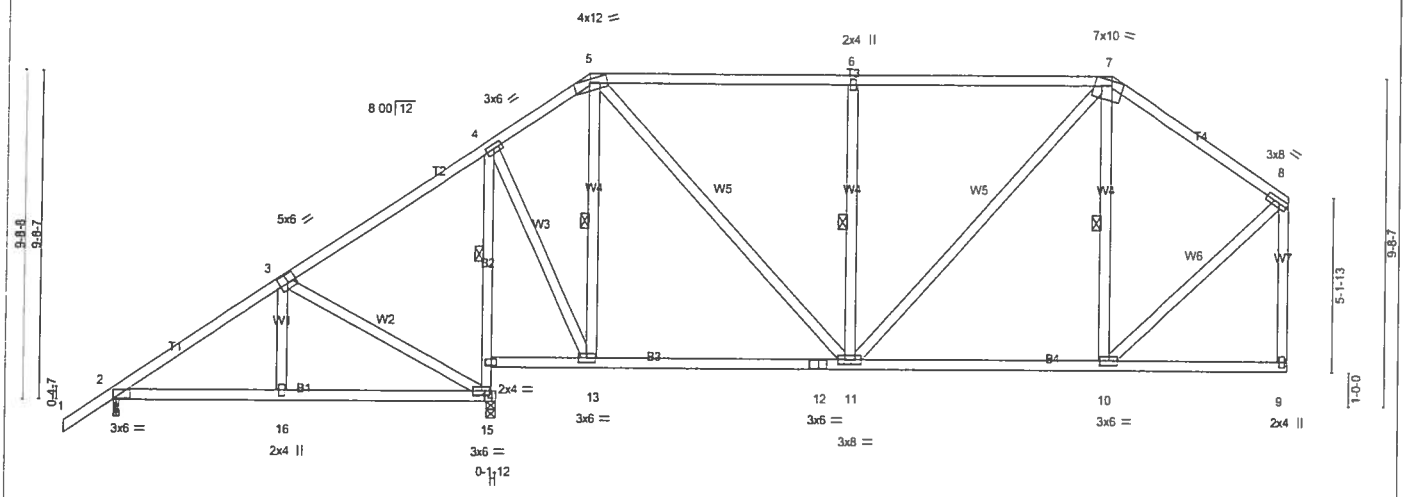
Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T12	SPECIAL	7	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:52 2006 Page 1

-1-6-0 | 5-0-0 | 11-3-8 | 14-0-0 | 21-9-0 | 29-6-0 | 34-10-0

1-6-0 | 5-0-0 | 6-3-8 | 2-8-8 | 7-9-0 | 7-9-0 | 5-4-0

Scale = 1:65.1



14-0-0

5-0-0 | 11-1-12 | 11-3-8 | 21-9-0 | 29-6-0 | 34-10-0

5-0-0 | 6-1-12 | 0-1-12 2-8-8 | 7-9-0 | 7-9-0 | 5-4-0

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0], [7:0-4-1,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	0.65	Vert(LL)	-0.08	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.13	11-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	-0.01	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 234 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 4-14
WEBS 1 Row at midpt 5-13, 6-11, 7-10

REACTIONS (lb/size) 2=557/0-2-0, 15=1438/0-3-8, 9=998/Mechanical
Max Horz 15=383(load case 5)
Max Uplift2=-312(load case 5), 15=-699(load case 4), 9=-353(load case 3)
Max Grav 2=558(load case 9), 15=1438(load case 1), 9=999(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-594/363, 3-4=-138/168, 4-5=-462/274, 5-6=-756/420, 6-7=-756/421, 7-8=-696/302, 8-9=-933/387
BOT CHORD 2-16=-176/438, 15-16=-176/438, 14-15=-1124/463, 4-14=-1106/468, 13-14=-61/44, 12-13=-186/357, 11-12=-186/357, 10-11=-186/523, 9-10=-18/20
WEBS 3-16=-220/180, 3-15=-459/499, 4-13=-294/763, 5-13=-502/298, 5-11=-283/590, 6-11=-454/394, 7-11=-241/383, 7-10=-268/217, 8-10=-265/692

JOINT STRESS INDEX
2 = 0.34, 3 = 0.50, 4 = 0.77, 5 = 0.91, 6 = 0.34, 7 = 0.62, 8 = 0.70, 9 = 0.52, 10 = 0.43, 11 = 0.59, 12 = 0.25, 13 = 0.66, 14 = 0.34, 15 = 0.76 and 16 = 0.34

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 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 bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 2.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 2, 699 lb uplift at joint 15 and 353 lb uplift at joint 9.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 14, 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

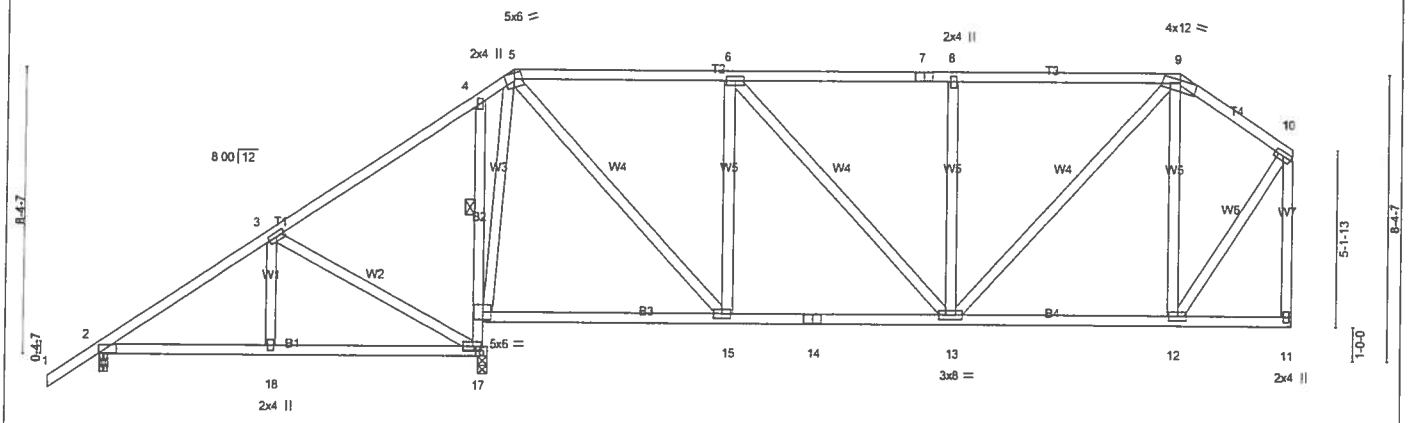
Dwg.#0914061133

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:54 2006 Page 1

-1-6-0	5-0-0	11-3-8	12-0-0	18-4-5	24-10-4	31-6-0	34-10-0
1-6-0	5-0-0	6-3-8	0-8-8	6-4-5	6-5-15	6-7-12	3-4-0

Scale 3/16"=1'



5-0-0	11-1-12	11-3-8	18-4-5	24-10-4	31-6-0	34-10-0
5-0-0	6-1-12	0-1-12	7-0-12	6-5-15	6-7-12	3-4-0

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	0.06	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.10	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 233 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.
1 Row at midpt 4-16

REACTIONS (lb/size) 2=468/0-3-0, 17=1567/0-3-8, 11=957/Mechanical
Max Horz 17=365(load case 5)
Max Uplift2=-322(load case 5), 17=-751(load case 4), 11=-412(load case 3)
Max Grav 2=469(load case 9), 17=1567(load case 1), 11=968(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-434/358, 3-4=-63/205, 4-5=0/149, 5-6=-694/429, 6-7=-814/464, 7-8=-814/464, 8-9=-814/464, 9-10=-529/248, 10-11=-939/416
BOT CHORD 2-18=-155/303, 17-18=-155/303, 16-17=-1261/521, 4-16=-208/255, 15-16=-108/73, 14-15=-366/694, 13-14=-366/694, 12-13=-178/411, 11-12=-5/6
WEBS 3-18=-222/186, 3-17=-454/492, 5-16=-975/498, 5-15=-392/944, 6-15=-498/338, 6-13=-52/193, 8-13=-366/315, 9-13=-334/589, 9-12=-450/307, 10-12=-329/743

JOINT STRESS INDEX
2 = 0.34, 3 = 0.43, 4 = 0.50, 5 = 0.46, 6 = 0.38, 7 = 0.27, 8 = 0.34, 9 = 0.75, 10 = 0.58, 11 = 0.34, 12 = 0.57, 13 = 0.59, 14 = 0.31, 15 = 0.63, 16 = 0.72, 17 = 0.68 and 18 = 0.34

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 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 3x6 MT20 unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 322 lb uplift at joint 2, 751 lb uplift at joint 17 and 412 lb uplift at joint 11.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061134

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T16	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:56 2006 Page 1

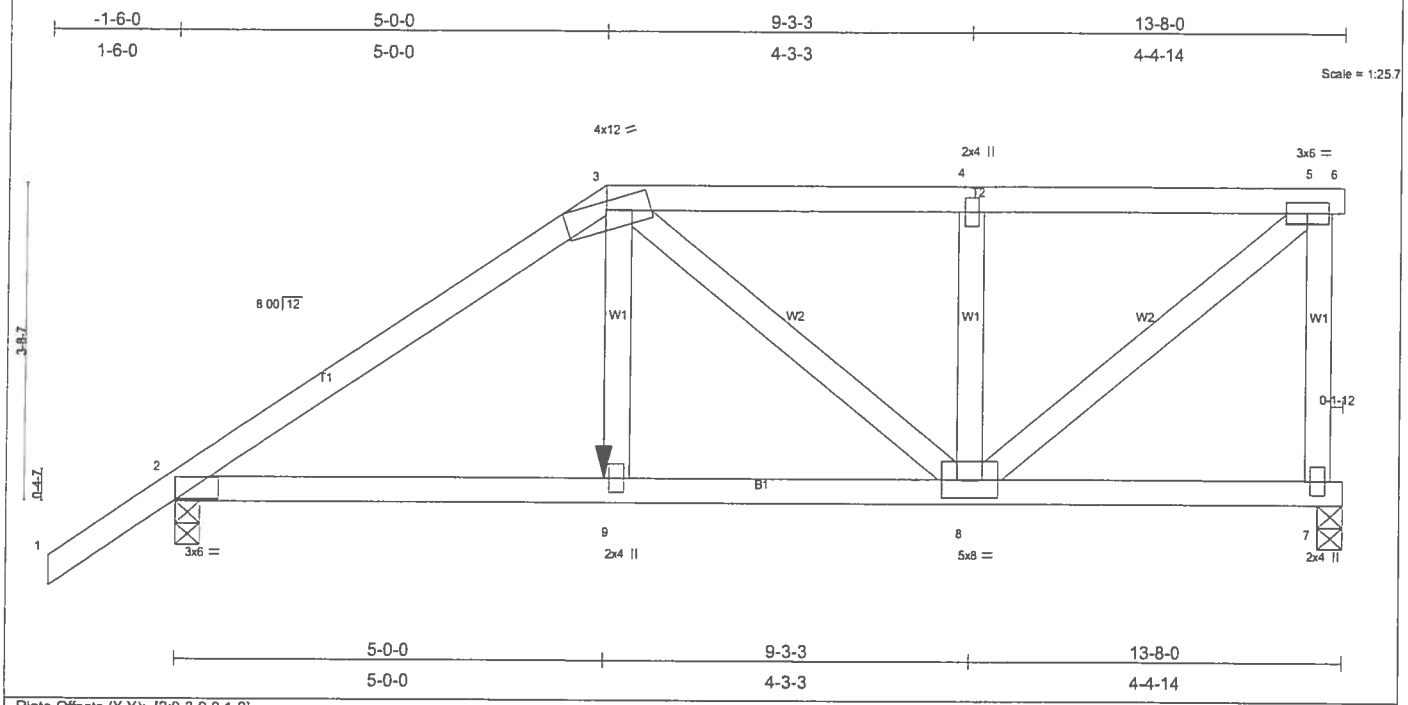


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.03	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.05	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 74 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 5-6-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-4 oc bracing.

REACTIONS (lb/size) 7=971/0-3-8, 2=951/0-3-8
Max Horz 2=173(load case 3)
Max Uplift7=-538(load case 3), 2=-494(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-1254/575, 3-4=-873/505, 4-5=-873/506, 5-6=0/0, 5-7=-866/544
BOT CHORD 2-9=-575/972, 8-9=-581/991, 7-8=-56/46
WEBS 3-9=-155/435, 3-8=-151/117, 4-8=-388/440, 5-8=-598/1074

JOINT STRESS INDEX
2 = 0.65, 3 = 0.64, 4 = 0.25, 5 = 0.81, 7 = 0.76, 8 = 0.50 and 9 = 0.32

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; end vertical right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 538 lb uplift at joint 7 and 494 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 187 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-91(F=-37), 5-6=-14, 2-9=-30, 7-9=-50(F=-20)
Concentrated Loads (lb)
Vert: 9=-245(F)

SEPTEMBER 14, 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.#0914061135

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T17	MONO HIP	1	1	Job Reference (optional)

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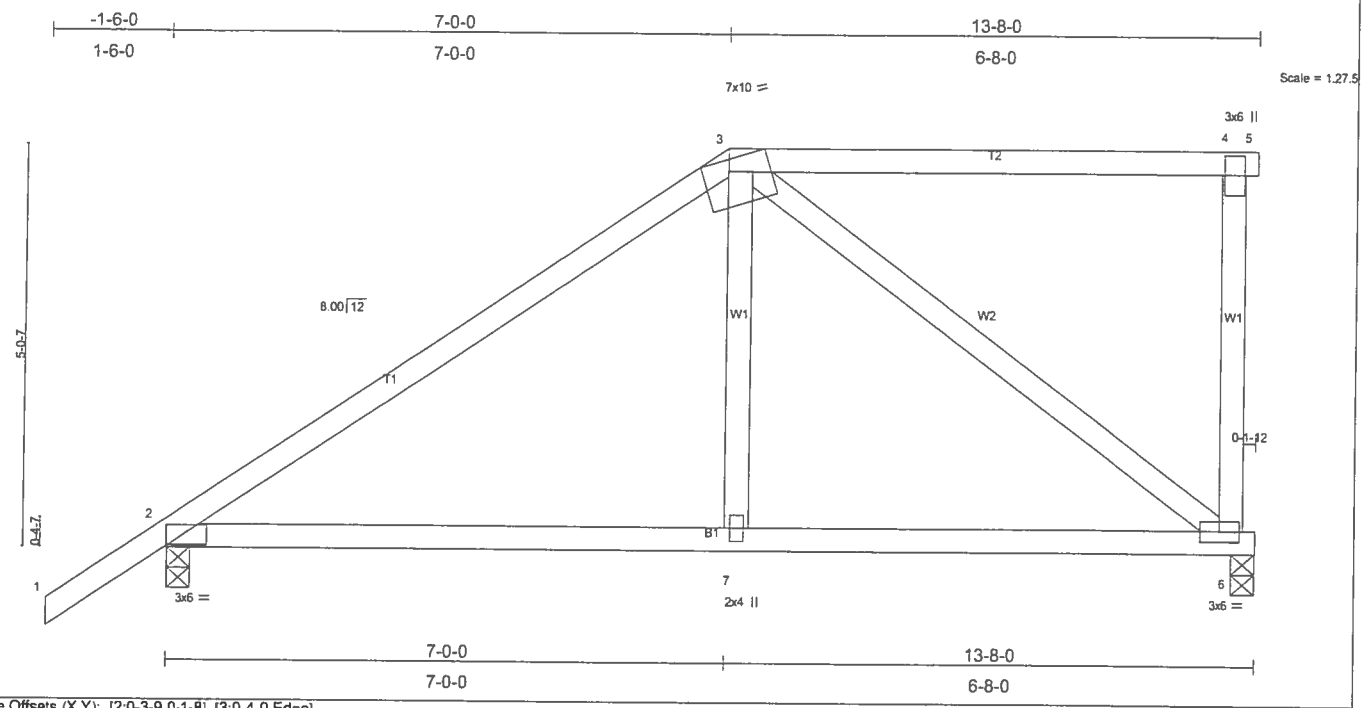

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-4-0,Edge]

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)	-0.08	2-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.14	2-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 70 lb	

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

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

REACTIONS (lb/size) 6=554/0-3-8, 2=650/0-3-8
Max Horz 2=232(load case 4)
Max Uplift6=-220(load case 4), 2=-269(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-651/243, 3-4=-34/113, 4-5=0/0, 4-6=-153/169
BOT CHORD 2-7=-219/460, 6-7=-218/467
WEBS 3-7=0/235, 3-6=-540/225

JOINT STRESS INDEX
2 = 0.62, 3 = 0.72, 4 = 0.45, 6 = 0.38 and 7 = 0.17

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; end vertical 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) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 6 and 269 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061136

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T18	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:35:59 2006 Page 1

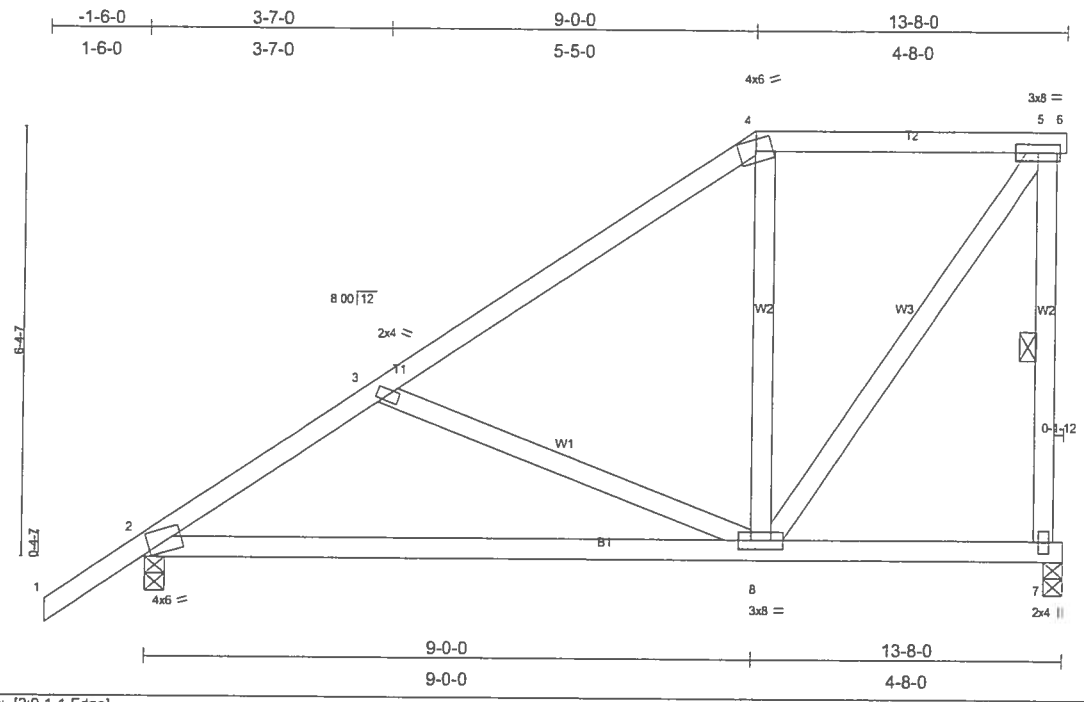

Plate Offsets (X,Y): [2:0-1-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.12	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.22	2-8	>732	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.19	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 83 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS (lb/size) 7=554/0-3-8, 2=650/0-3-8
Max Horz 2=293(load case 4)
Max Uplift7=-221(load case 4), 2=-268(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-701/308, 3-4=-453/203, 4-5=-305/241, 5-6=0/0, 5-7=-527/248
BOT CHORD 2-8=-279/570, 7-8=-63/123
WEBS 3-8=-284/253, 4-8=-88/164, 5-8=-195/523

JOINT STRESS INDEX
2 = 0.77, 3 = 0.14, 4 = 0.52, 5 = 0.84, 7 = 0.85 and 8 = 0.54

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; end vertical 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) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 7 and 268 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061137

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T19	MONO HIP	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:00 2006 Page 1

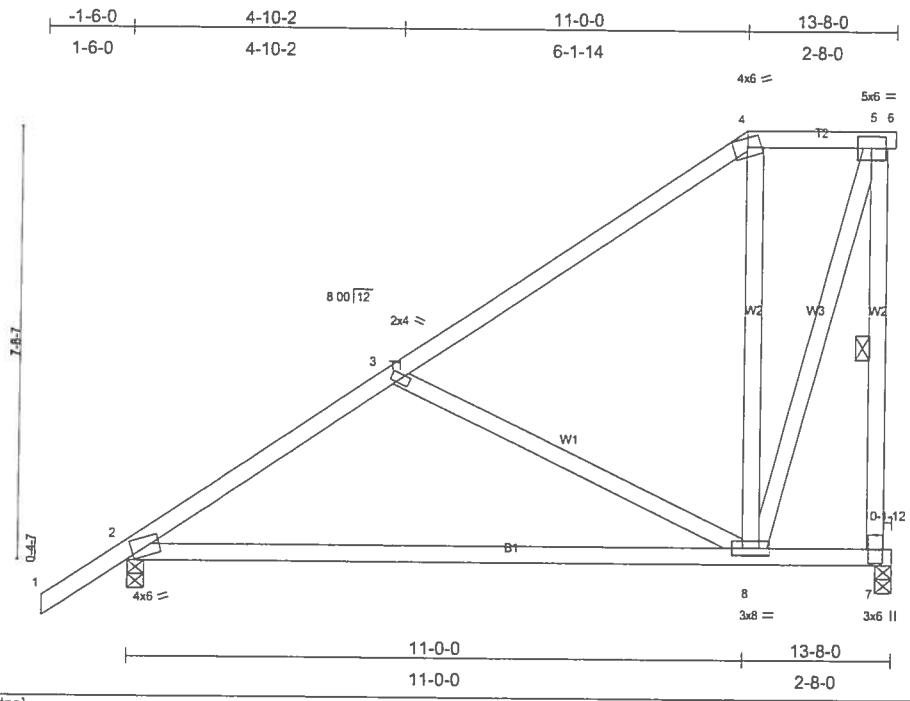

Plate Offsets (X,Y): [2:0-1-5,Edge]

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)	-0.27	2-8	>590	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.47	2-8	>338	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.01	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 89 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS (lb/size) 7=554/0-3-8, 2=650/0-3-8
Max Horz 2=353(load case 4)
Max Uplift7=-224(load case 5), 2=-260(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-632/283, 3-4=-334/167, 4-5=-192/220, 5-6=0/0, 5-7=-655/268
BOT CHORD 2-8=-267/508, 7-8=-71/156
WEBS 3-8=-350/306, 4-8=-153/218, 5-8=-250/674

JOINT STRESS INDEX
2 = 0.87, 3 = 0.16, 4 = 0.67, 5 = 0.57, 7 = 0.48 and 8 = 0.87

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; end vertical 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) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 224 lb uplift at joint 7 and 260 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061138

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T20	MONO HIP	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:02 2006 Page 1

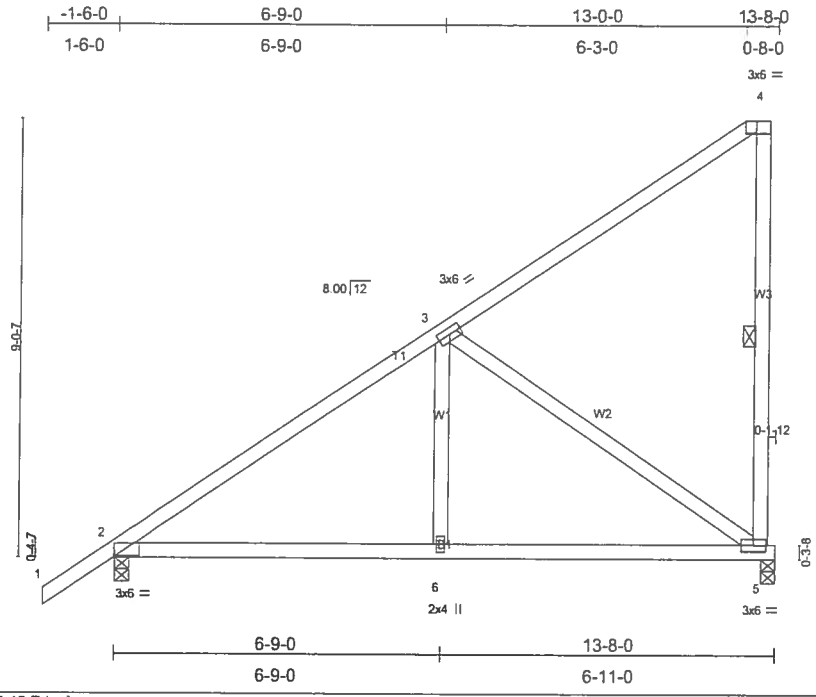

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-2-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.06	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.10	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 78 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5

REACTIONS (lb/size) 5=550/0-3-8, 2=650/0-3-8
Max Horz 2=471(load case 5)
Max Uplift5=-340(load case 5), 2=-172(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-672/0, 3-4=-132/64, 4-5=-144/157
BOT CHORD 2-6=-297/481, 5-6=-297/481
WEBS 3-6=0/233, 3-5=-562/345

JOINT STRESS INDEX
2 = 0.40, 3 = 0.19, 4 = 0.45, 5 = 0.34 and 6 = 0.17

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; end vertical left 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 340 lb uplift at joint 5 and 172 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 14, 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.#0914061139

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T21	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:04 2006 Page 1

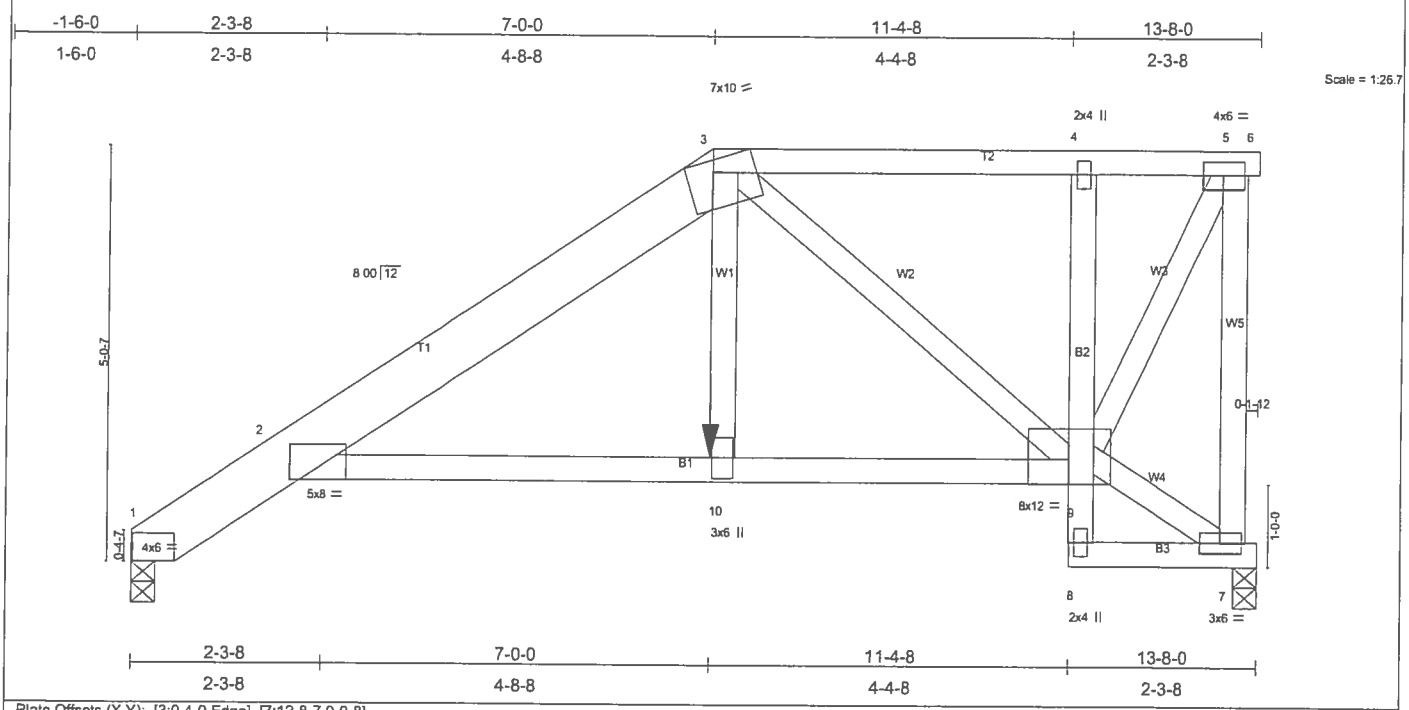

Plate Offsets (X,Y): [3:0-4-0,Edge], [7:12-8-7,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.94	Vert(LL)	-0.14	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.23	2-10	>680	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.15	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 lb	

LUMBER
TOP CHORD 2 X 8 SYP No.1D *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=939/0-3-8, 7=1377/0-3-8
Max Horz 1=386(load case 4)
Max Uplift1=-288(load case 4), 7=-584(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-448/0, 2-3=-1596/518, 3-4=-646/210, 4-5=-600/257, 5-6=0/0, 5-7=-1312/558
BOT CHORD 2-10=-747/1394, 9-10=-758/1429, 8-9=-7/46, 4-9=-320/259, 7-8=-24/0
WEBS 3-10=-290/868, 3-9=-1013/504, 7-9=0/28, 5-9=-570/1323

JOINT STRESS INDEX
2 = 0.52, 3 = 0.28, 4 = 0.71, 5 = 0.78, 7 = 0.45, 7 = 0.00, 8 = 0.08, 9 = 0.62 and 10 = 0.28

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) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
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 288 lb uplift at joint 1 and 584 lb uplift at joint 7.
6) Girder carries tie-in span(s): 4-7-9 from 2-1-0 to 7-0-0; 4-7-9 from 7-0-0 to 11-4-8; 4-6-7 from 7-0-0 to 11-4-8
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 256 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: 1-2=-65, 2-3=-54, 3-4=-109(F=-55), 4-5=-121(F=-67), 5-6=-81(F=-67), 2-10=-30, 9-10=-83(F=-53), 7-8=-67(F=-38)
Concentrated Loads (lb)
Vert: 10=-539(F)

SEPTEMBER 14, 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.#0914061140

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T22	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:06 2006 Page 1

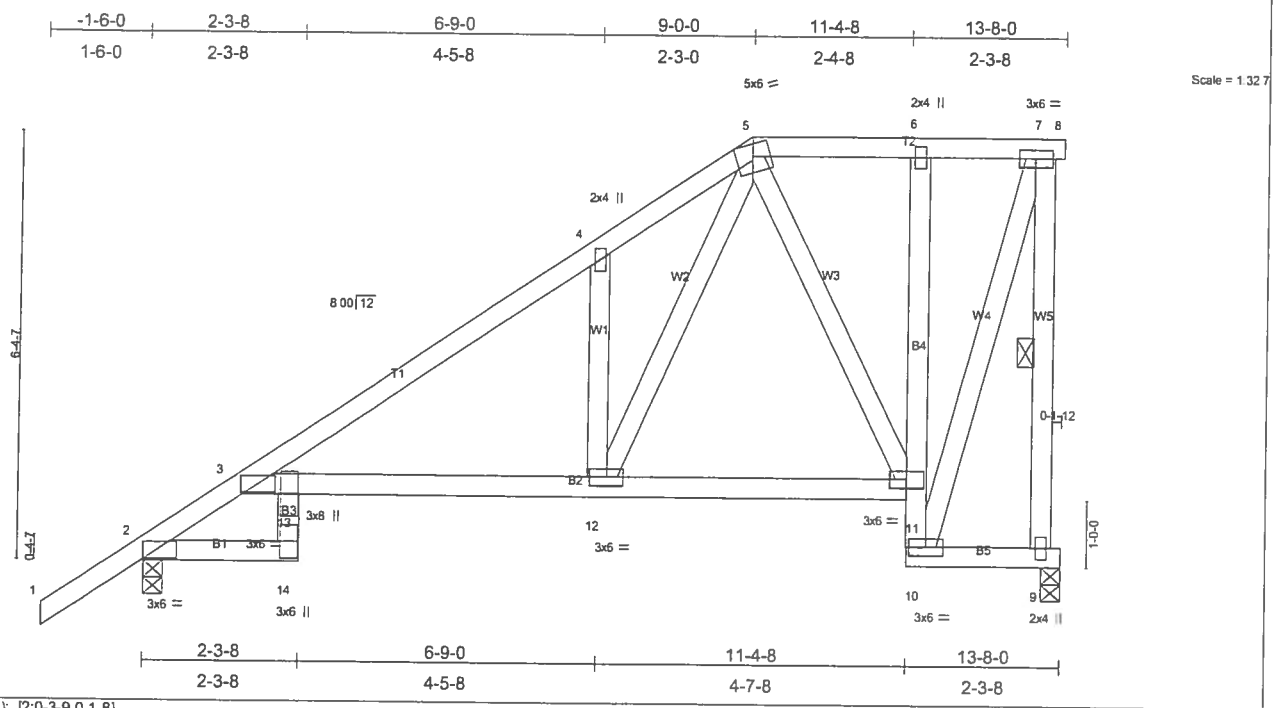

Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.20	12-13	>794	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.32	12-13	>493	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.17	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 95 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS (lb/size) 9=554/0-3-8, 2=650/0-3-8
Max Horz 2=341(load case 5)
Max Uplift9=-220(load case 5), 2=-236(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-719/103, 3-4=-770/231, 4-5=-822/416, 5-6=-169/85, 6-7=-153/81, 7-8=0/0, 7-9=-551/294
BOT CHORD 2-14=-255/440, 13-14=-26/109, 3-13=-90/176, 12-13=-345/616, 11-12=-179/316, 10-11=-431/255, 6-11=-117/106, 9-10=-3/5
WEBS 4-12=-350/322, 5-12=-419/740, 5-11=-331/210, 7-10=-267/506

JOINT STRESS INDEX
2 = 0.54, 3 = 0.43, 4 = 0.17, 5 = 0.41, 6 = 0.34, 7 = 0.49, 9 = 0.22, 10 = 0.49, 11 = 0.55, 12 = 0.65, 13 = 0.96 and 14 = 0.43

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 220 lb uplift at joint 9 and 236 lb uplift at joint 2.

LOAD CASE(S) Standard

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Dwg.#0914061141

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T23	SPECIAL	7	1	Job Reference (optional)

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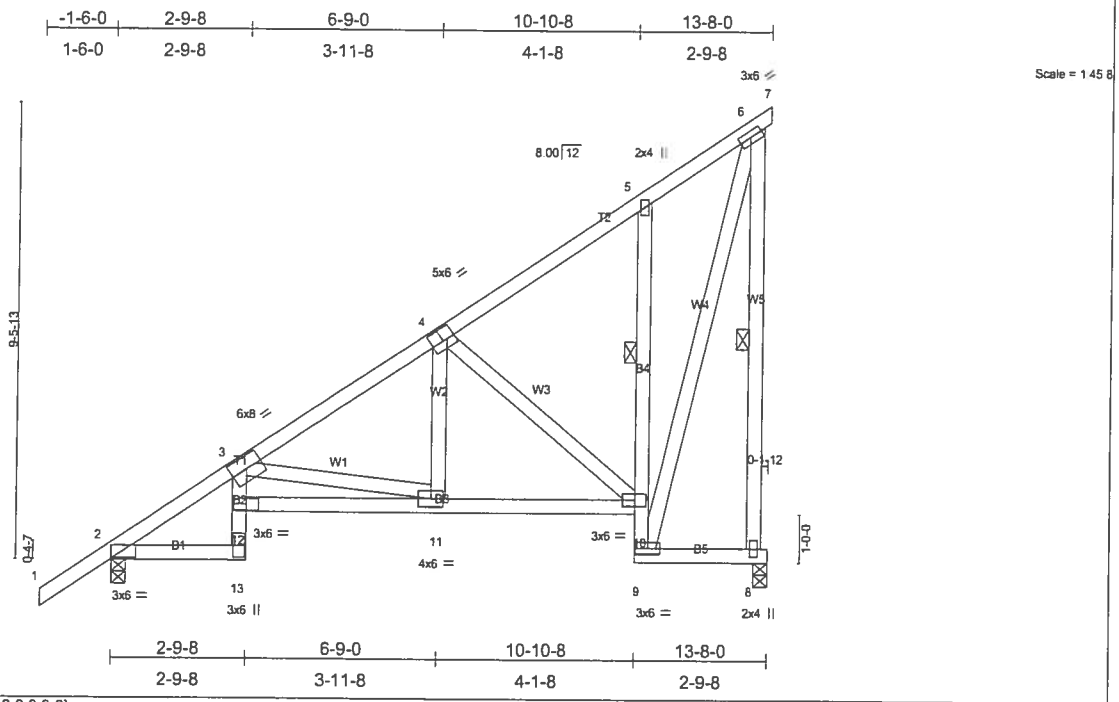

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.26	Vert(LL)	0.08	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.12	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 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 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-10
WEBS 1 Row at midpt 6-8

REACTIONS (lb/size) 8=554/0-3-8, 2=650/0-3-8
Max Horz 2=483(load case 5)
Max Uplift8=-356(load case 5), 2=-165(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-837/41, 3-4=-724/93, 4-5=-273/0, 5-6=-221/83, 6-7=-2/0, 6-8=-542/371
BOT CHORD 2-13=-372/597, 12-13=-30/117, 3-12=0/135, 11-12=-765/1226, 10-11=-349/561, 9-10=-518/363, 5-10=-159/189, 8-9=-2/3
WEBS 3-11=-680/425, 4-11=-95/330, 4-10=-507/315, 6-9=-376/595

JOINT STRESS INDEX
2 = 0.49, 3 = 0.83, 4 = 0.31, 5 = 0.46, 6 = 0.45, 8 = 0.21, 9 = 0.59, 10 = 0.47, 11 = 0.19, 12 = 0.61 and 13 = 0.64

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 356 lb uplift at joint 8 and 165 lb uplift at joint 2.

LOAD CASE(S) Standard

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Dwg.#0914061142

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T24	MONO TRUSS	4	1	Job Reference (optional)

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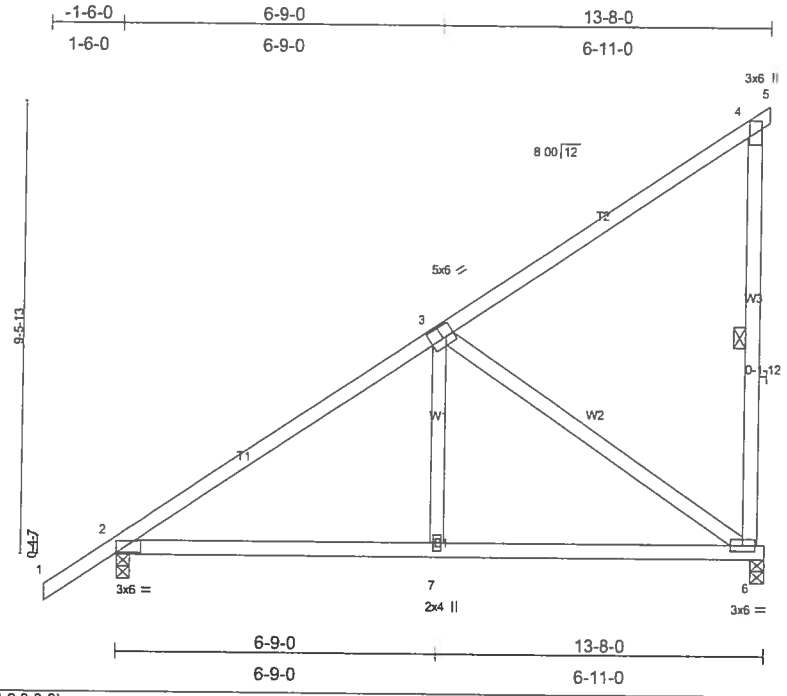

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.06	2-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.10	2-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 79 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS (lb/size) 6=554/0-3-8, 2=650/0-3-8
Max Horz 2=483(load case 5)
Max Uplift6=-356(load case 5), 2=-165(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-672/0, 3-4=-134/65, 4-5=-2/0, 4-6=-149/174
BOT CHORD 2-7=-297/482, 6-7=-297/482
WEBS 3-7=0/233, 3-6=-562/345

JOINT STRESS INDEX
2 = 0.39, 3 = 0.48, 4 = 0.32, 6 = 0.34 and 7 = 0.17

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 356 lb uplift at joint 6 and 165 lb uplift at joint 2.

LOAD CASE(S) Standard

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Dwg.#0914061143

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T25G	COMMON	1	1	Job Reference (optional)

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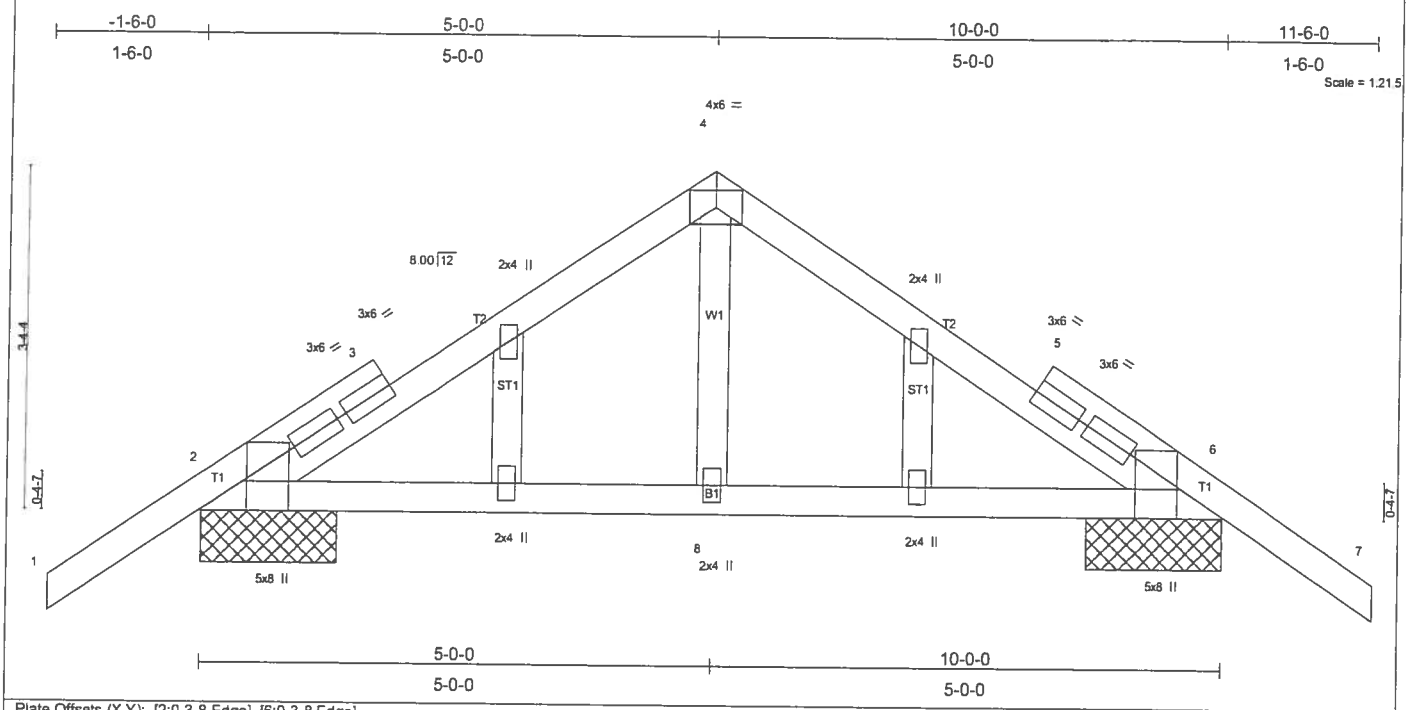

Plate Offsets (X,Y): [2:0-3-8,Edge], [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.02	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.03	2-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 52 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=784/1-4-0, 6=784/1-4-0
Max Horz 2=110(load case 4)
Max Uplift2=-347(load case 5), 6=-347(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8/83, 2-3=-710/211, 3-4=-596/201, 4-5=-596/201, 5-6=-710/211, 6-7=-8/83
BOT CHORD 2-8=-86/496, 6-8=-86/496
WEBS 4-8=0/174

JOINT STRESS INDEX
2 = 0.51, 3 = 0.00, 3 = 0.35, 3 = 0.35, 4 = 0.50, 5 = 0.00, 5 = 0.35, 5 = 0.35, 6 = 0.51, 8 = 0.13, 9 = 0.00, 10 = 0.00, 11 = 0.00 and 12 = 0.00

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) Gable studs spaced at 2-0-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 347 lb uplift at joint 2 and 347 lb uplift at joint 6.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-99(F=-45), 4-7=-99(F=-45), 2-6=-30

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Dwg.#0914061144

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T26	COMMON	1	1	Job Reference (optional)

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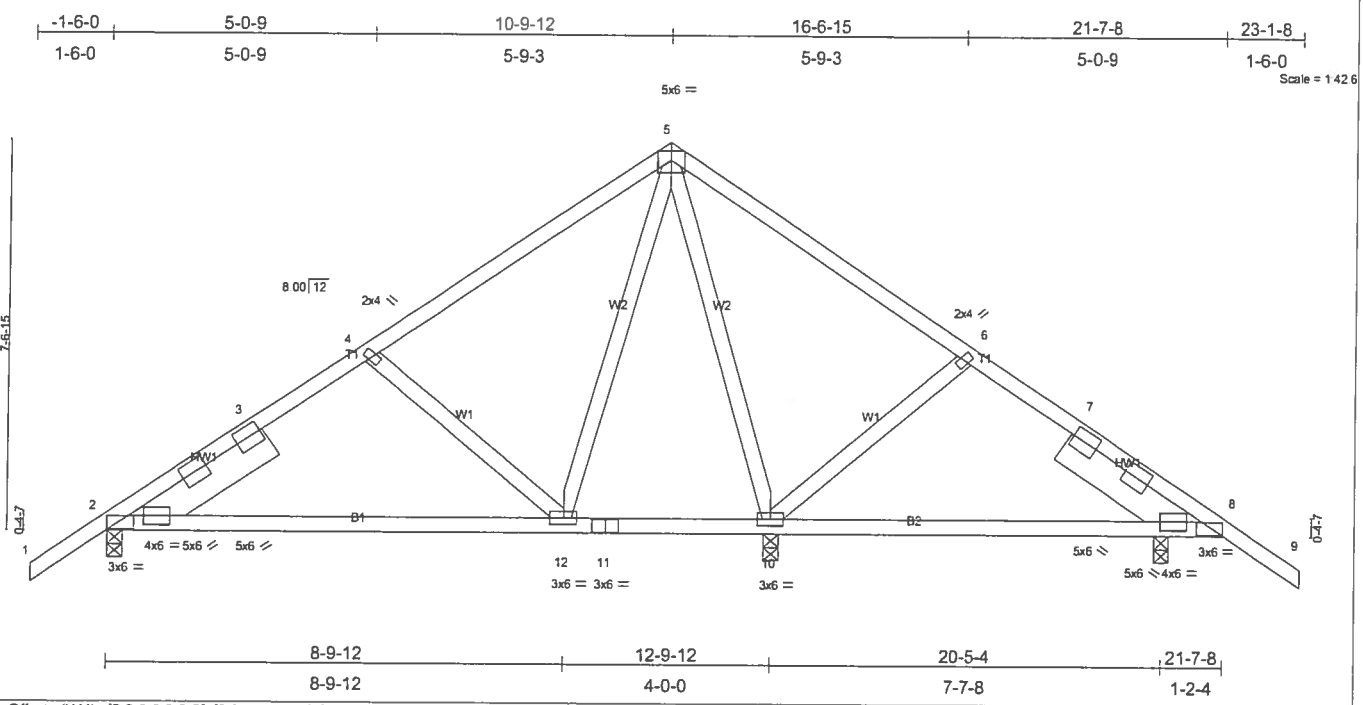

	8-9-12	12-9-12	20-5-4	21-7-8
	8-9-12	4-0-0	7-7-8	1-2-4

Plate Offsets (X,Y): [2:0-3-9,0-2-0], [2:0-1-2,0-0-2], [8:0-3-9,0-2-0], [8:0-0-0,0-0-0], [8:0-11-15,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.24	8-10	>440	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	0.20	8-10	>528	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 8 SYP No.1D 3-0-10, Right 2 X 8 SYP No.1D 3-0-10

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=598/0-3-8, 10=953/0-3-8, 8=419/0-3-8
Max Horz 2=-257(load case 3)
Max Uplift2=-253(load case 5), 10=-421(load case 5), 8=-322(load case 6)
Max Grav 2=598(load case 1), 10=953(load case 1), 8=432(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-549/170, 3-4=-480/191, 4-5=-338/164, 5-6=-50/148, 6-7=-195/156, 7-8=-263/135, 8-9=0/44
BOT CHORD 2-12=-198/430, 11-12=-44/212, 10-11=-44/212, 8-10=-22/196
WEBS 4-12=-300/265, 5-12=-103/384, 5-10=-598/199, 6-10=-307/315

JOINT STRESS INDEX
2 = 0.65, 2 = 0.11, 2 = 0.12, 2 = 0.41, 3 = 0.00, 4 = 0.34, 5 = 0.60, 6 = 0.34, 7 = 0.00, 8 = 0.65, 8 = 0.11, 8 = 0.12, 8 = 0.41, 10 = 0.51, 11 = 0.45 and 12 = 0.51

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 2, 421 lb uplift at joint 10 and 322 lb uplift at joint 8.

LOAD CASE(S) Standard

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Dwg.#0914061145

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T26G	COMMON	1	1	Job Reference (optional)

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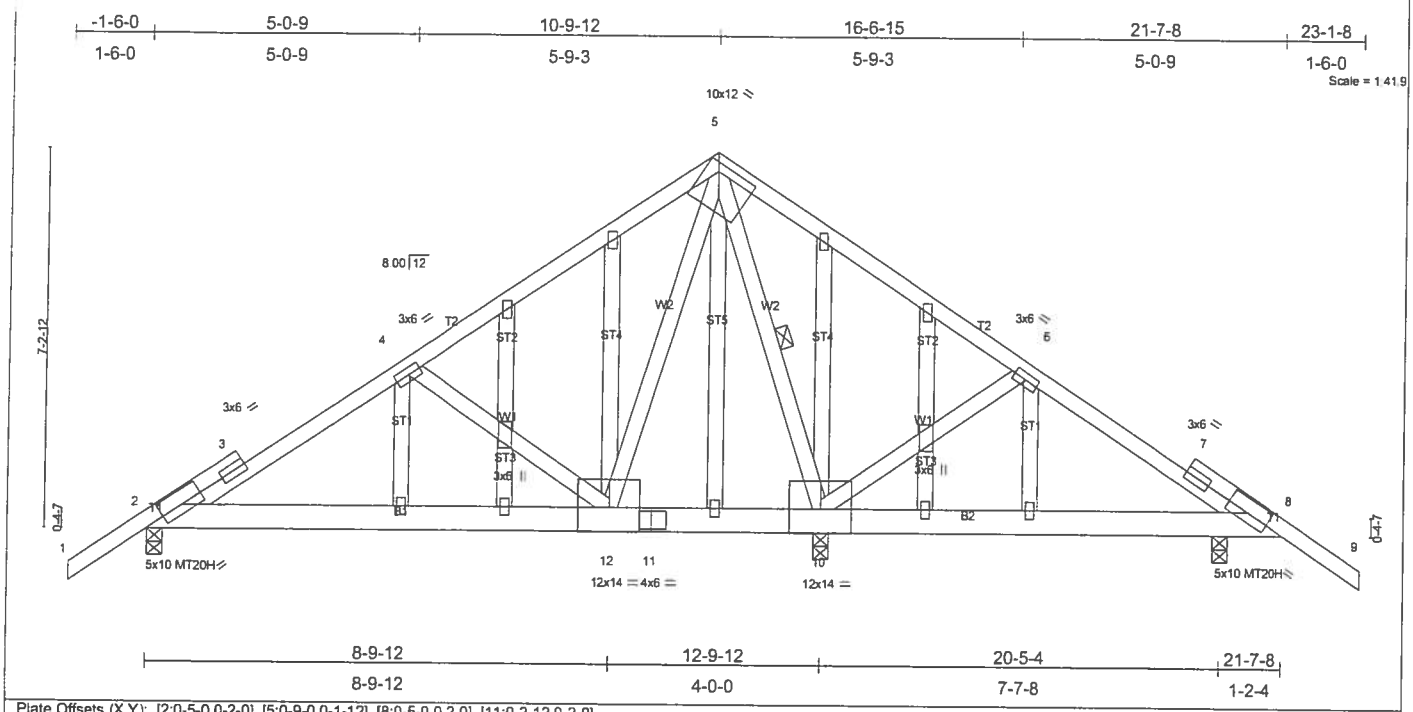

Plate Offsets (X,Y): [2:0-5-0,0-2-0], [5:0-9-0,0-1-12], [8:0-5-0,0-2-0], [11:0-2-12,0-2-0]

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)	0.08	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.11	2-12	>999	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 174 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
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 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-10

REACTIONS (lb/size) 2=955/0-3-8, 8=600/0-3-8, 10=1893/0-3-8
Max Horz 2=-242(load case 3)
Max Uplift2=-513(load case 5), 8=-461(load case 6), 10=-1016(load case 5)
Max Grav 2=965(load case 9), 8=630(load case 10), 10=1893(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-45/100, 2-3=-923/498, 3-4=-838/394, 4-5=-443/199, 5-6=-323/603, 6-7=-50/121, 7-8=-298/157, 8-9=-45/100
BOT CHORD 2-12=-356/698, 11-12=-40/240, 10-11=-40/240, 8-10=-26/165
WEBS 4-12=-607/541, 5-12=-201/572, 5-10=-1374/863, 6-10=-585/569

JOINT STRESS INDEX
2 = 0.88, 3 = 0.00, 3 = 0.47, 4 = 0.40, 5 = 0.81, 6 = 0.40, 7 = 0.00, 7 = 0.47, 8 = 0.88, 10 = 0.28, 11 = 0.48, 12 = 0.28, 13 = 0.34, 14 = 0.34, 15 = 0.66, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.66 and 23 = 0.34

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) 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 MT20 plates unless otherwise indicated.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 513 lb uplift at joint 2, 461 lb uplift at joint 8 and 1016 lb uplift at joint 10.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

SEPTEMBER 14, 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.#0914061146

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T27	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:16 2006 Page 1

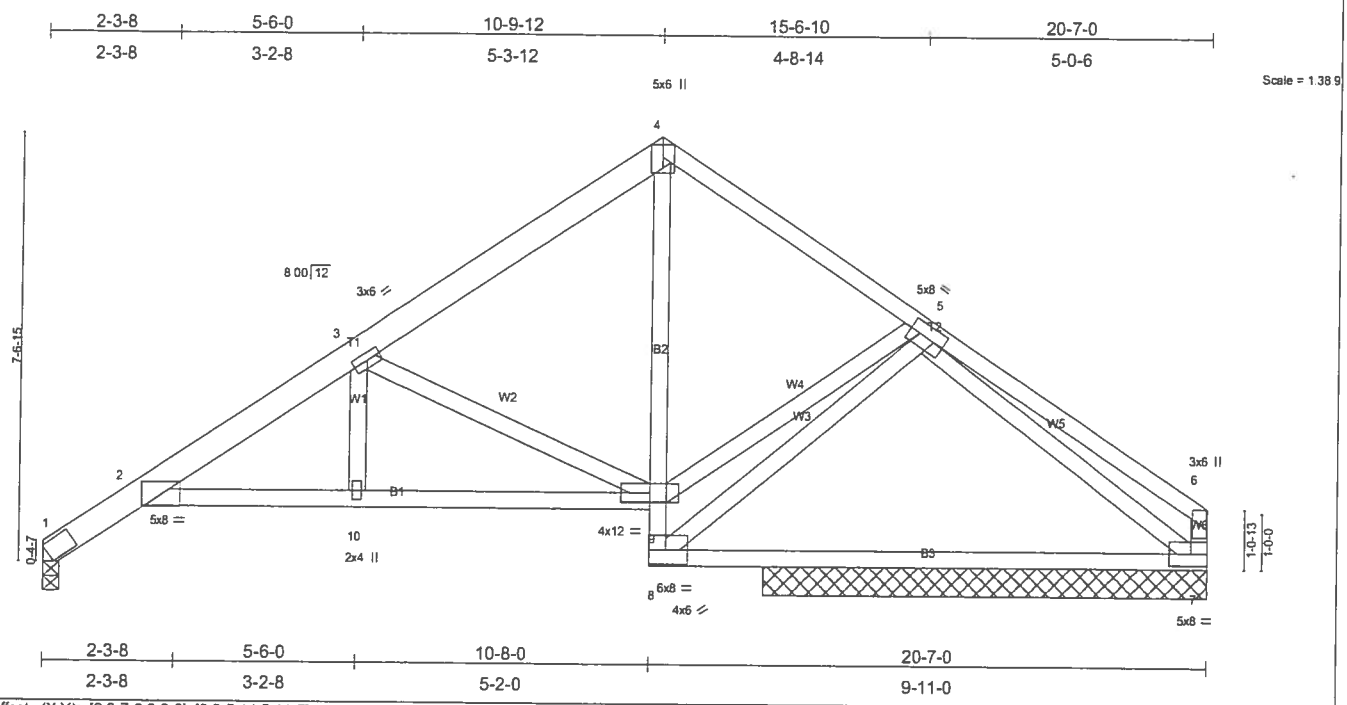

Plate Offsets (X,Y): [2:0-7-6,0-0-0], [8:8-5-14,5-11-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.16	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.26	7-8	>919	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 125 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B1 2 X 4 SYP No.1D, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 1=824/0-3-8, 6=399/7-11-0, 7=452/7-11-0
Max Horz 1=246(load case 4)
Max Uplift1=-270(load case 5), 6=-184(load case 6), 7=-121(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-411/183, 2-3=-1605/562, 3-4=-948/393, 4-5=-902/392, 5-6=-549/181, 6-7=0/0
BOT CHORD 2-10=-515/1416, 9-10=-515/1416, 8-9=-178/540, 4-9=-253/686, 7-8=-244/762
WEBS 3-9=-790/418, 5-9=-154/464, 5-8=-601/314, 5-7=-481/235, 3-10=-20/278

JOINT STRESS INDEX
2 = 0.78, 3 = 0.43, 4 = 0.54, 5 = 0.35, 6 = 0.54, 7 = 0.76, 8 = 0.70, 8 = 0.00, 9 = 0.33 and 10 = 0.34

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 1, 6 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 270 lb uplift at joint 1, 184 lb uplift at joint 6 and 121 lb uplift at joint 7.

LOAD CASE(S) Standard

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Dwg.#0914061147

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T28	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:17 2006 Page 1

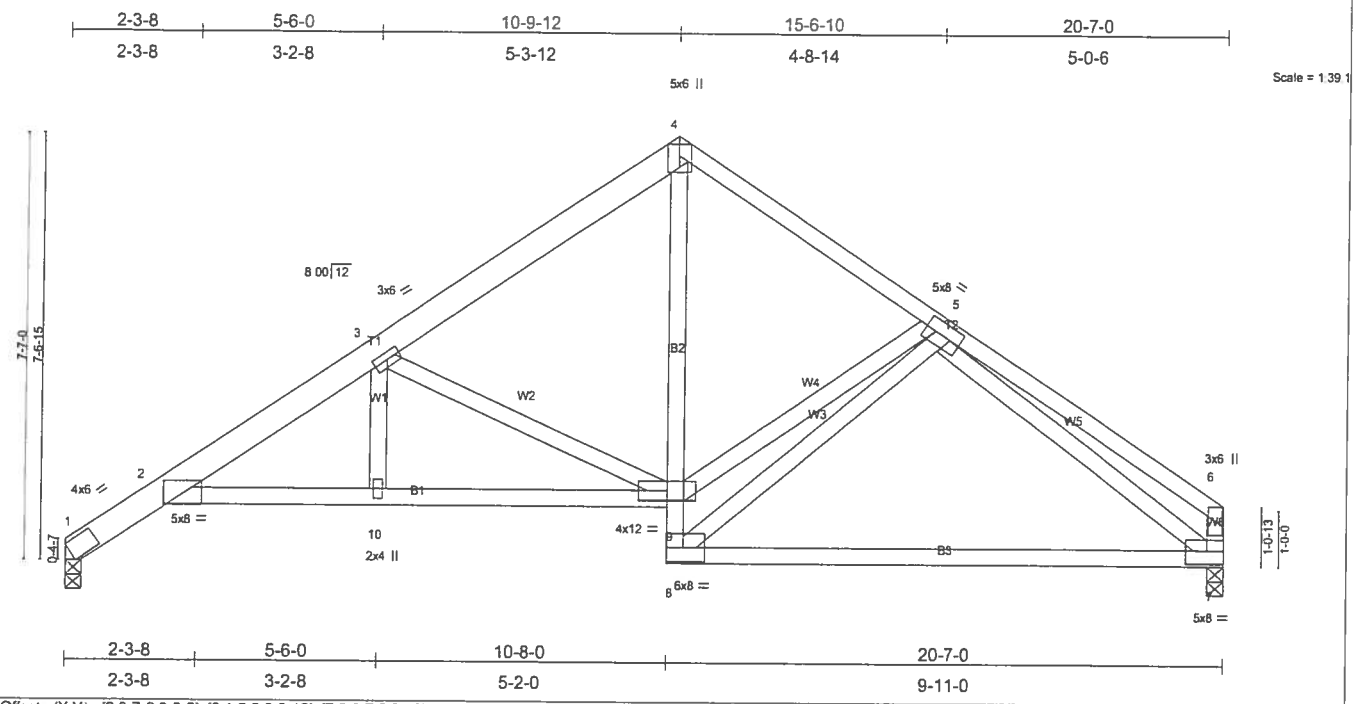

Plate Offsets (X,Y): [2:0-7-6,0-0-0], [2:1-2-9,0-3-12], [7:0-3-7,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.16	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.27	7-8	>917	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 125 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except* T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B1 2 X 4 SYP No.1D, B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 1=824/0-3-8, 7=851/0-3-8
Max Horz 1=246(load case 4)
Max Uplift1=-270(load case 5), 7=-265(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-411/182, 2-3=-1606/562, 3-4=-948/393, 4-5=-902/392, 5-6=-545/179, 6-7=-397/183
BOT CHORD 2-10=-516/1417, 9-10=-516/1417, 8-9=-178/540, 4-9=-253/686, 7-8=-244/762
WEBS 3-9=-791/419, 5-9=-154/464, 5-8=-600/314, 5-7=-485/236, 3-10=-20/278

JOINT STRESS INDEX
2 = 0.78, 2 = 0.00, 3 = 0.43, 4 = 0.56, 5 = 0.35, 6 = 0.41, 7 = 0.48, 8 = 0.70, 9 = 0.33 and 10 = 0.34

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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
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 270 lb uplift at joint 1 and 265 lb uplift at joint 7.

LOAD CASE(S) Standard

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Dwg.#0914061148

Job	Truss	Truss Type	Qty	Ply	TWENSEY RES.
L207902	T29	COMMON	1	2	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Aug 24 16:36:19 2006 Page 1

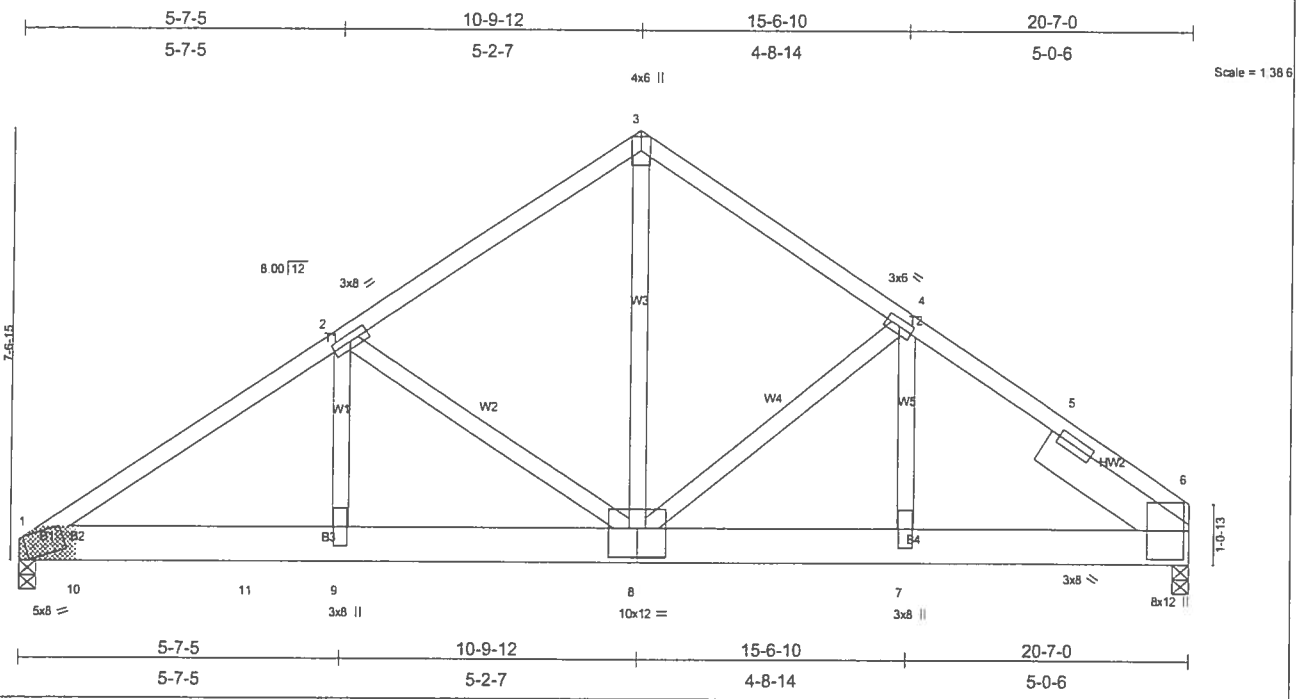

Plate Offsets (X,Y): [6:0-7-5,0-1-2], [8:0-6-0,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	-0.12	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.19	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 307 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 8 SYP No.1D 2-11-15

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

REACTIONS (lb/size) 6=5628/0-3-8, 1=6350/0-3-12 (0-3-8 + bearing block)
Max Horz 1=247(load case 3)
Max Uplift6=-2135(load case 5), 1=-2424(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8178/3104, 2-3=-5195/2041, 3-4=-5137/2034, 4-5=-6751/2592, 5-6=-6808/2559
BOT CHORD 1-10=-2594/6764, 10-11=-2594/6764, 9-11=-2594/6764, 8-9=-2594/6764, 7-8=-1994/5435, 6-7=-1994/5435
WEBS 2-9=-1138/3114, 2-8=-3055/1304, 3-8=-2052/5304, 4-8=-1550/720, 4-7=-726/1973

JOINT STRESS INDEX
1 = 0.77, 1 = 0.00, 1 = 0.00, 2 = 0.93, 3 = 0.63, 4 = 0.75, 5 = 0.00, 6 = 1.00, 6 = 0.93, 7 = 0.32, 8 = 0.50, 9 = 0.51, 10 = 0.00, 10 = 0.00 and 10 = 0.00

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 8 - 2 rows at 0-7-0 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) 2 X 8 SYP No.1D bearing block 12" long at jt. 1 attached to each face with 4 rows of 0.131"x3" Nails spaced 3" o.c. 16 Total fasteners per block. Bearing is assumed to be SYP.
4) Unbalanced roof live loads have been considered for this design.
5) 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.
6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2135 lb uplift at joint 6 and 2424 lb uplift at joint 1.
8) Girder carries tie-in span(s): 34-10-0 from 0-0-0 to 4-0-0; 23-10-0 from 4-0-0 to 20-7-0

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-54, 1-11=-719(F=-689), 6-11=-489(F=-459)

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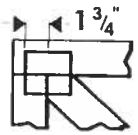
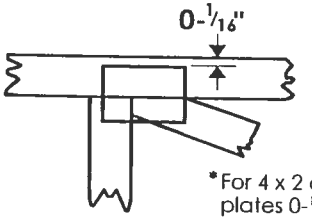
Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



*For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

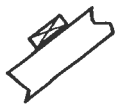
*This symbol indicates the required direction of slots in connector plates.

***Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

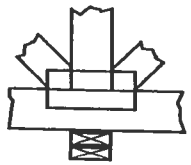
4 x 4 — The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

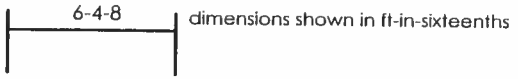


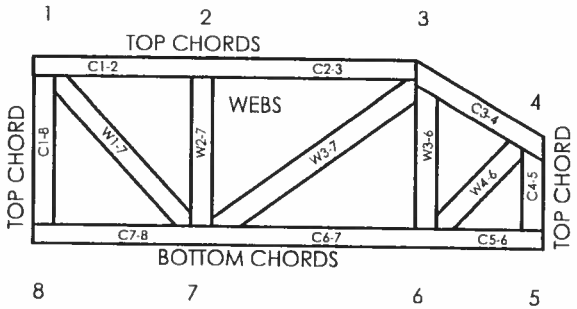
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System





JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.