Project Information for:	L210258		
Builder:	CADY HOMES	Date:	9/15/2006
Lot:	LOT 49 ROLLING MEADOWS	Start Number:	**1455**
Subdivision:	N/A	SEI Ref:	L210258
County or City:	COLUMBIA COUNTY		
Truss Page Count:	53		

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)

CADY, AARON M CGC1508421
Address: P.O. BOX 3356
LAKE CITY, FL 32056 Designer: **18**

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	0915061455	9/15/2006	41	T20	0915061495	9/15/2006
2	CJ1A	0915061456	9/15/2006	42	T21	0915061496	9/15/2006
3	CJ2	0915061457	9/15/2006	43	T22	0915061497	9/15/2006
4	CJ3	0915061458	9/15/2006	44	T23	0915061498	9/15/2006
5	CJ3A	0915061459	9/15/2006	45	T24	0915061499	9/15/2006
6	CJ4A	0915061460	9/15/2006	46	T25	0915061500	9/15/2006
7	CJ5	0915061461	9/15/2006	47	T26	0915061501	9/15/2006
8	CJ6	0915061462	9/15/2006	48	T27	0915061502	9/15/2006
9	EJ2	0915061463	9/15/2006	49	T28	0915061503	9/15/2006
10	EJ3	0915061464	9/15/2006	50	T28G	0915061504	9/15/2006
11	EJ4	0915061465	9/15/2006	51	T29	0915061505	9/15/2006
12	EJ4A	0915061466	9/15/2006	52	T30	0915061506	9/15/2006
13	EJ4B	0915061467	9/15/2006	53	T31	0915061507	9/15/2006
14	EJ7	0915061468	9/15/2006				
15	EJ7A	0915061469	9/15/2006				
16	HJ4	0915061470	9/15/2006				
17	HJ8	0915061471	9/15/2006				
18	HJ9	0915061472	9/15/2006				
19	PB07	0915061473	9/15/2006				
20	PB08	0915061474	9/15/2006				
21	PB09	0915061475	9/15/2006				
22	PB10	0915061476	9/15/2006				
23	PB11	0915061477	9/15/2006				
24	T01	0915061478	9/15/2006				
25	T02	0915061479	9/15/2006				
26	T03	0915061480	9/15/2006				
27	T04	0915061481	9/15/2006				
28	T05	0915061482	9/15/2006				
29	T06	0915061483	9/15/2006				
30	T07	0915061484	9/15/2006				
31	T08	0915061485	9/15/2006				
32	T09	0915061486	9/15/2006				
33	T13	0915061487	9/15/2006				
34	T13T	0915061488	9/15/2006				
35	T14	0915061489	9/15/2006				
36	T15	0915061490	9/15/2006				
37	T16	0915061491	9/15/2006				
38	T17	0915061492	9/15/2006				
39	T18	0915061493	9/15/2006				
40	T19	0915061494	9/15/2006				

SEP 15 2006

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Name:	**CADY, AARON MATTHEW (Primary Name)** **CADY HOMES & ASSOCIATES INC (DBA Name)**
Main Address:	**PO BOX 3356** **LAKE CITY Florida 32056-3356**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	**701 S W STONERIDGE DR** **LAKE CITY FL 32025**
County:	**COLUMBIA**

License Information

License Type:	**Certified General Contractor**
Rank:	**Cert General**
License Number:	**CGC1508421**
Status:	**Current,Active**
Licensure Date:	**01/27/2005**
Expires:	**08/31/2006**

Special Qualifications	Qualification Effective
Qualified Business License Required	**01/27/2005**

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SEPTEMBER 15, 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.#0915061455

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	CJ1	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:45:32 2006 Page 1

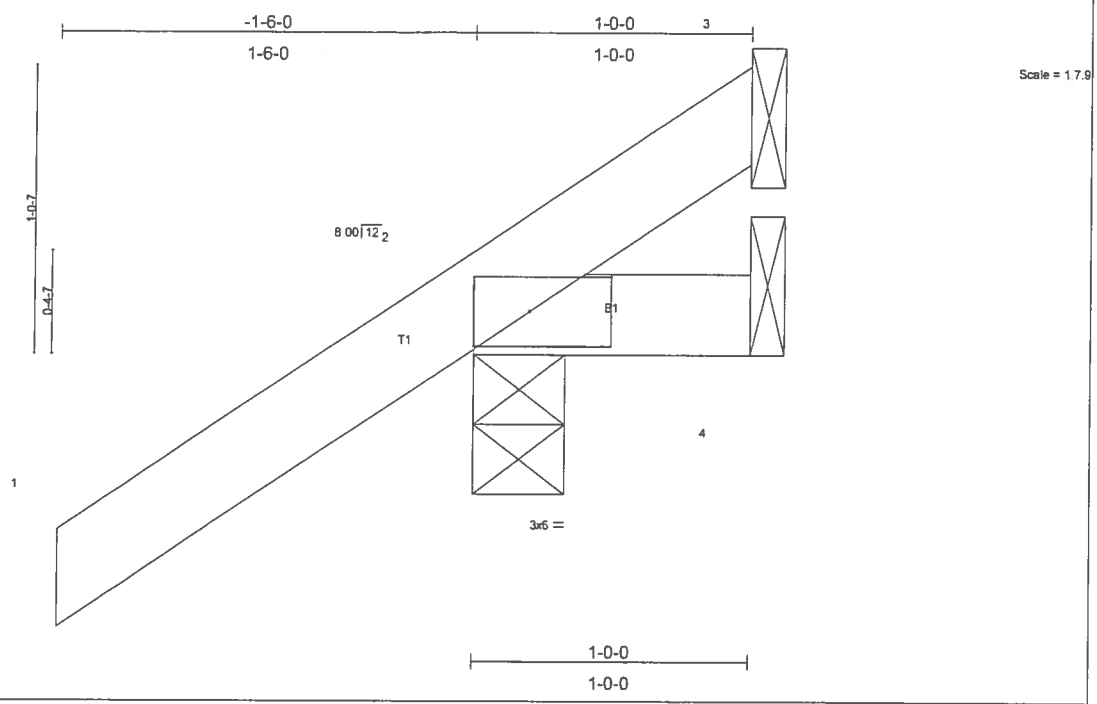


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

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=189/0-4-0, 4=14/Mechanical, 3=-41/Mechanical
Max Horz 2=94(load case 5)
Max Uplift2=-189(load case 5), 3=-41(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=70(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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 2 and 41 lb uplift at joint 3.

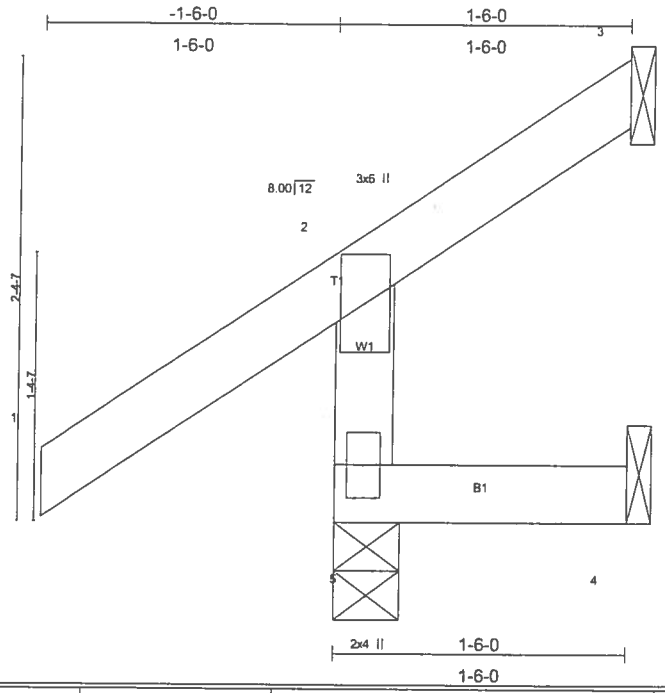
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061456

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	CJ1A	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:46:03 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.00	5	>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: 9 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 1-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=200/0-4-0, 4=8/Mechanical, 3=-6/Mechanical
Max Horz 5=112(load case 5)
Max Uplift5=-90(load case 5), 4=-28(load case 5), 3=-25(load case 6)
Max Grav 5=200(load case 1), 4=8(load case 1), 3=16(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-168/147, 1-2=0/49, 2-3=-44/8
BOT CHORD 4-5=0/0

JOINT STRESS INDEX
2 = 0.35 and 5 = 0.50

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 5, 28 lb uplift at joint 4 and 25 lb uplift at joint 3.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061457

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	CJ2	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:46:52 2006 Page 1

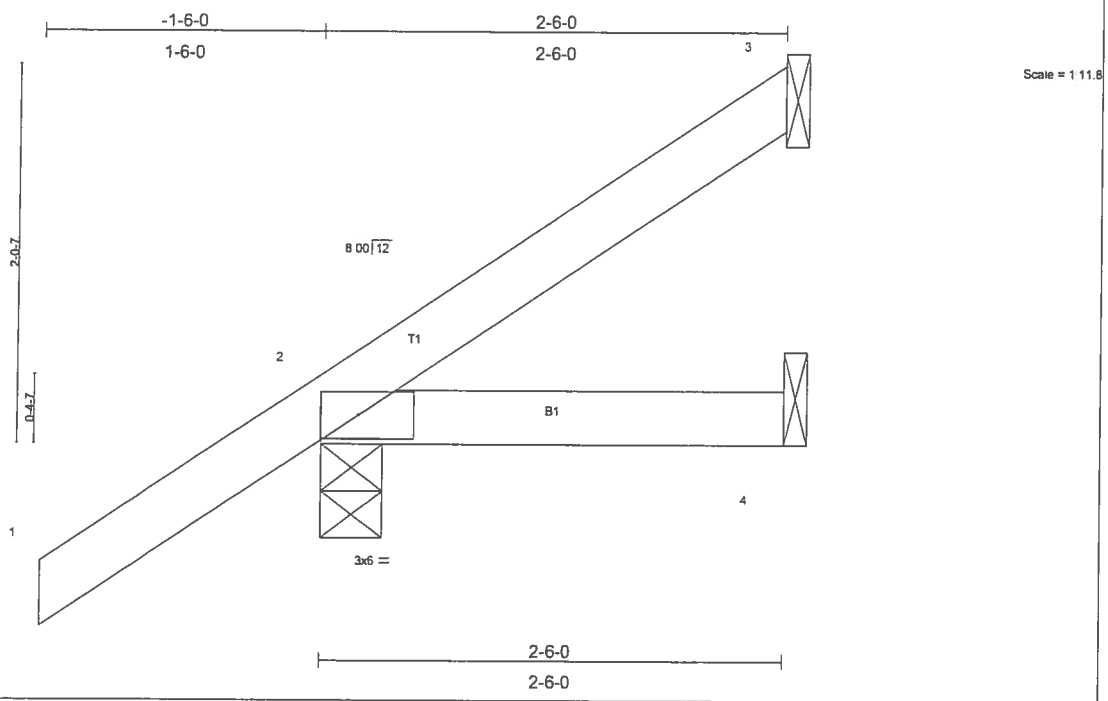


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	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 2-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=28/Mechanical, 2=218/0-4-0, 4=34/Mechanical
Max Horz 2=139(load case 5)
Max Uplift3=-31(load case 6), 2=-148(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 3 and 148 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061458

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	CJ3	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:50:36 2006 Page 1

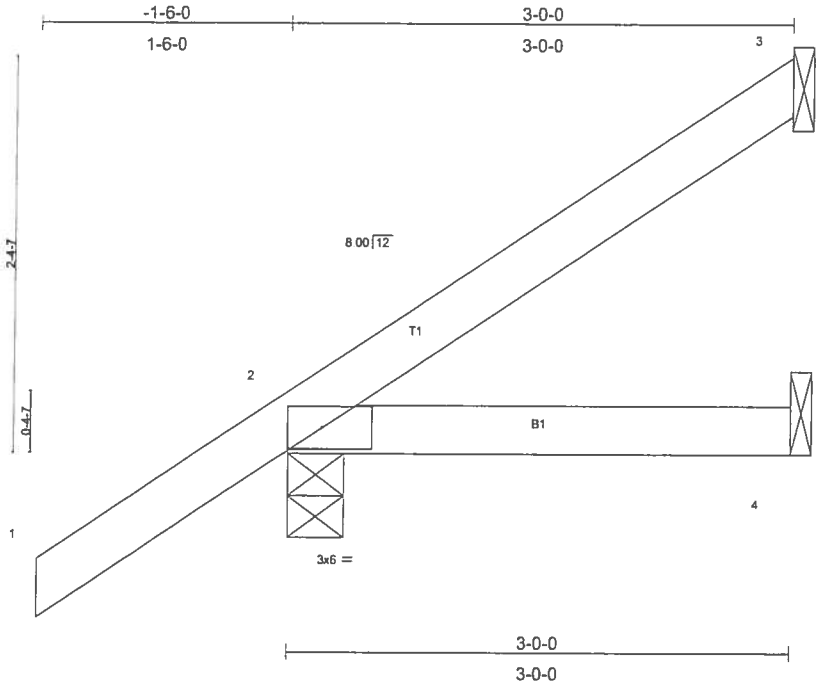


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=48/Mechanical, 2=233/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-47(load case 5), 2=-143(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-60/19
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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 47 lb uplift at joint 3 and 143 lb uplift at joint 2.

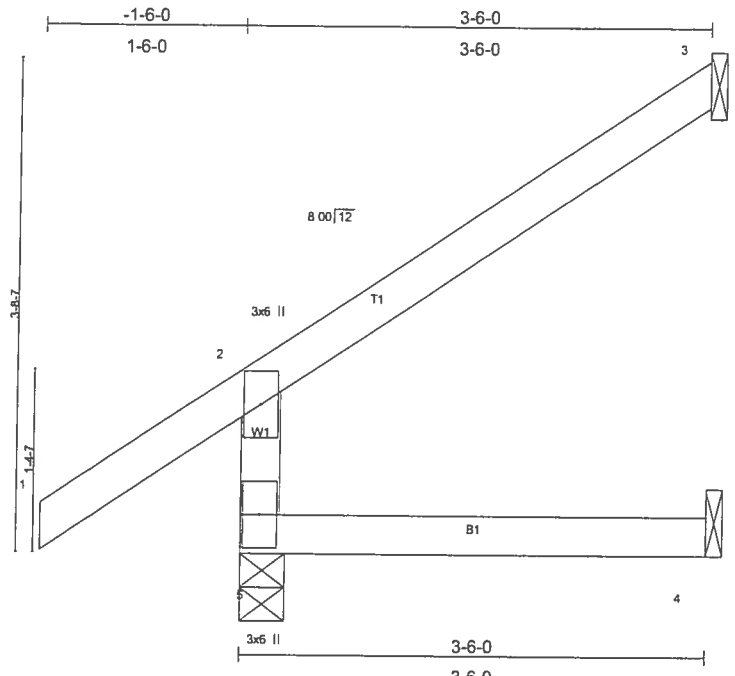
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061459

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	CJ3A	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:51:04 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.34	Vert(LL)	-0.01	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.15	Vert(TL)	-0.01	4-5	>999	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL)	-0.03	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 16 lb	

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

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

REACTIONS (lb/size) 5=249/0-4-0, 3=70/Mechanical, 4=46/Mechanical
Max Horz 5=172(load case 5)
Max Uplift5=-86(load case 5), 3=-92(load case 5), 4=-19(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-196/145, 1-2=0/49, 2-3=-71/29
BOT CHORD 4-5=0/0

JOINT STRESS INDEX
2 = 0.42 and 5 = 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; 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 5, 92 lb uplift at joint 3 and 19 lb uplift at joint 4.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061460

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	CJ4A	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:51:26 2006 Page 1

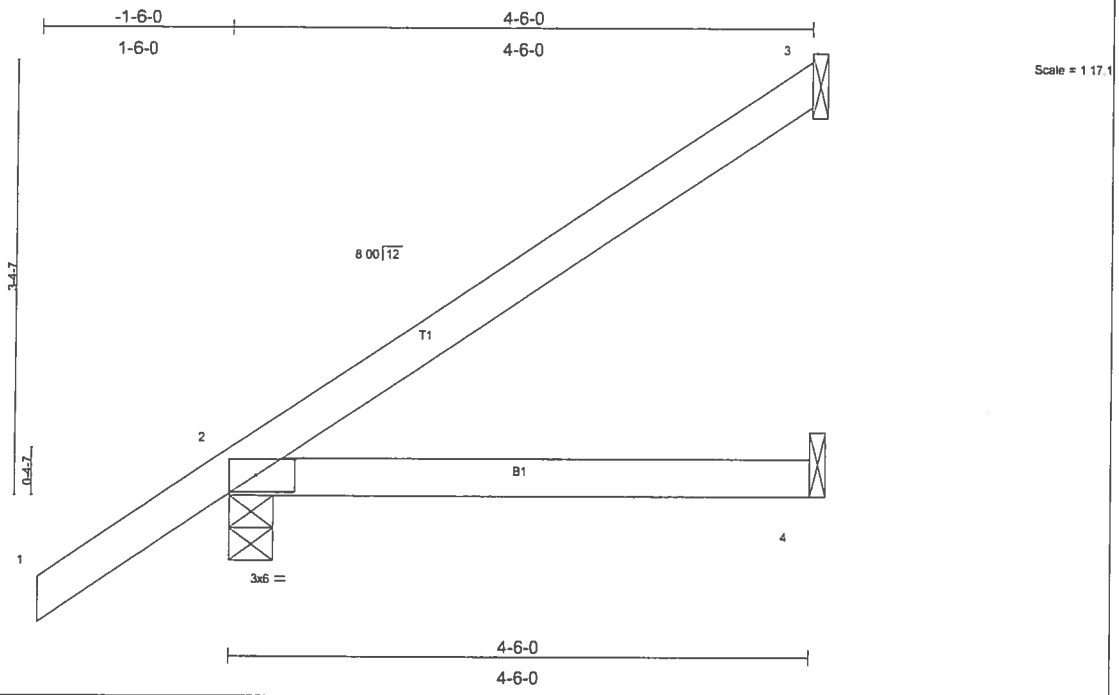


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	-0.03	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=98/Mechanical, 2=287/0-4-0, 4=64/Mechanical
Max Horz 2=200(load case 5)
Max Uplift3=-104(load case 5), 2=-138(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-87/43
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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 104 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061461

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	CJ5	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:51:49 2006 Page 1

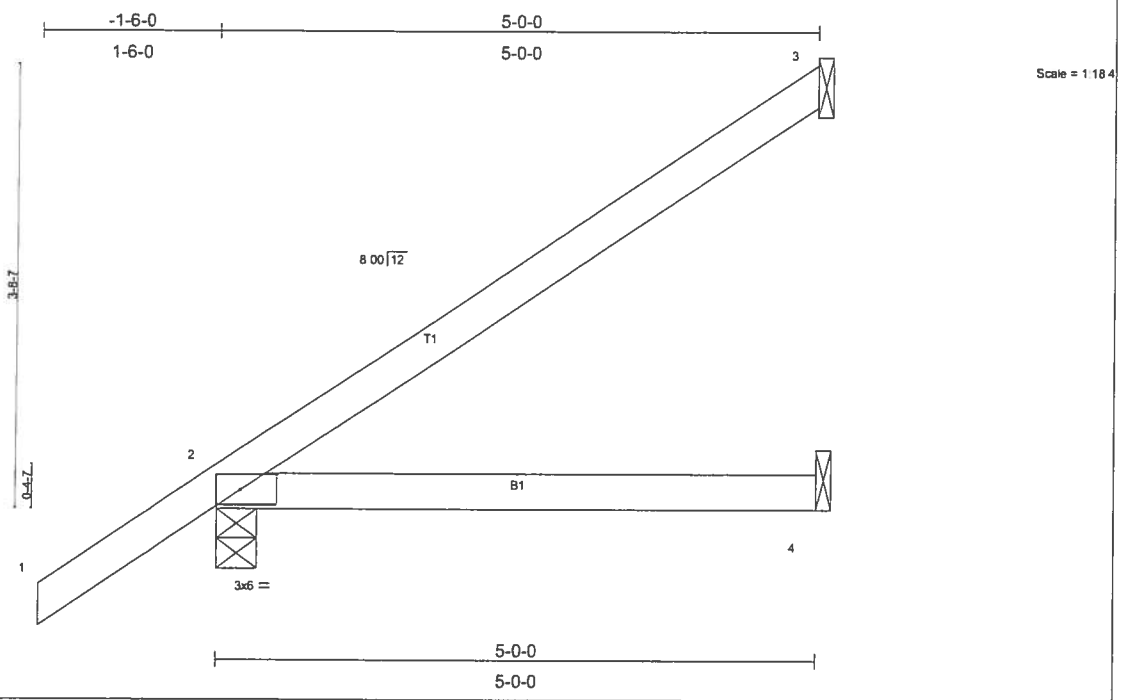


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

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=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical
Max Horz 2=215(load case 5)
Max Uplift3=-121(load case 5), 2=-138(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-100/50
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.15

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061462

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	CJ6	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:52:12 2006 Page 1

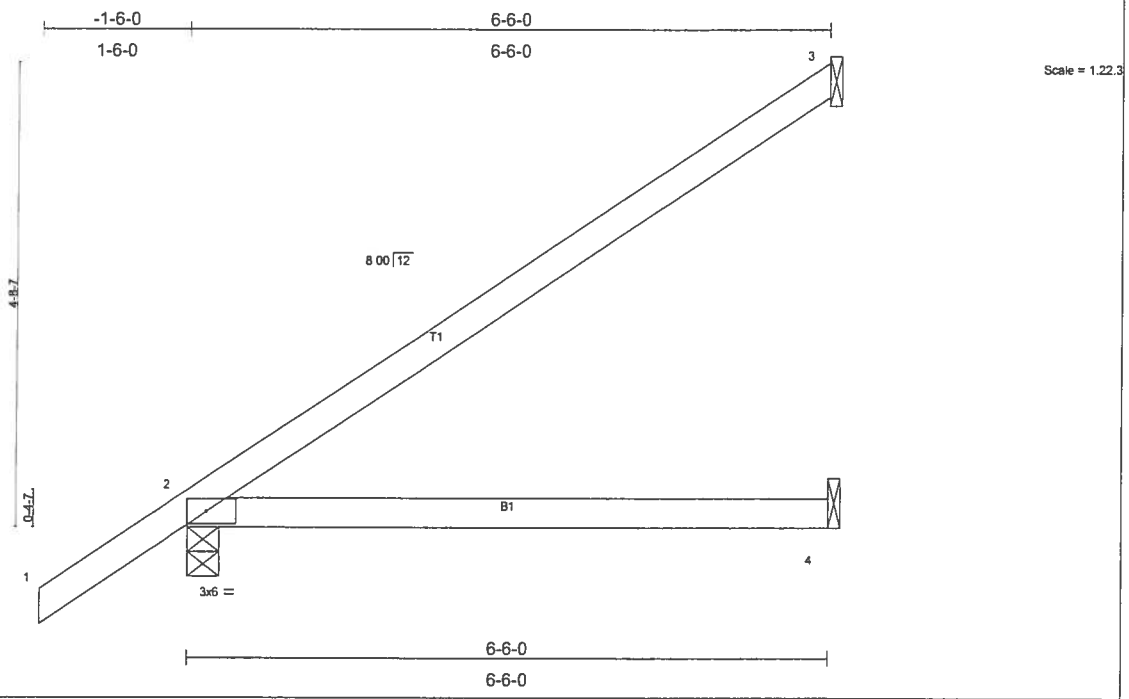


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.08	2-4	>927	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.14	2-4	>530	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: 24 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=157/Mechanical, 2=365/0-4-0, 4=94/Mechanical
Max Horz 2=262(load case 5)
Max Uplift3=-170(load case 5), 2=-141(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-135/70
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.16

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 3 and 141 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061463

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	EJ2	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:52:47 2006 Page 1

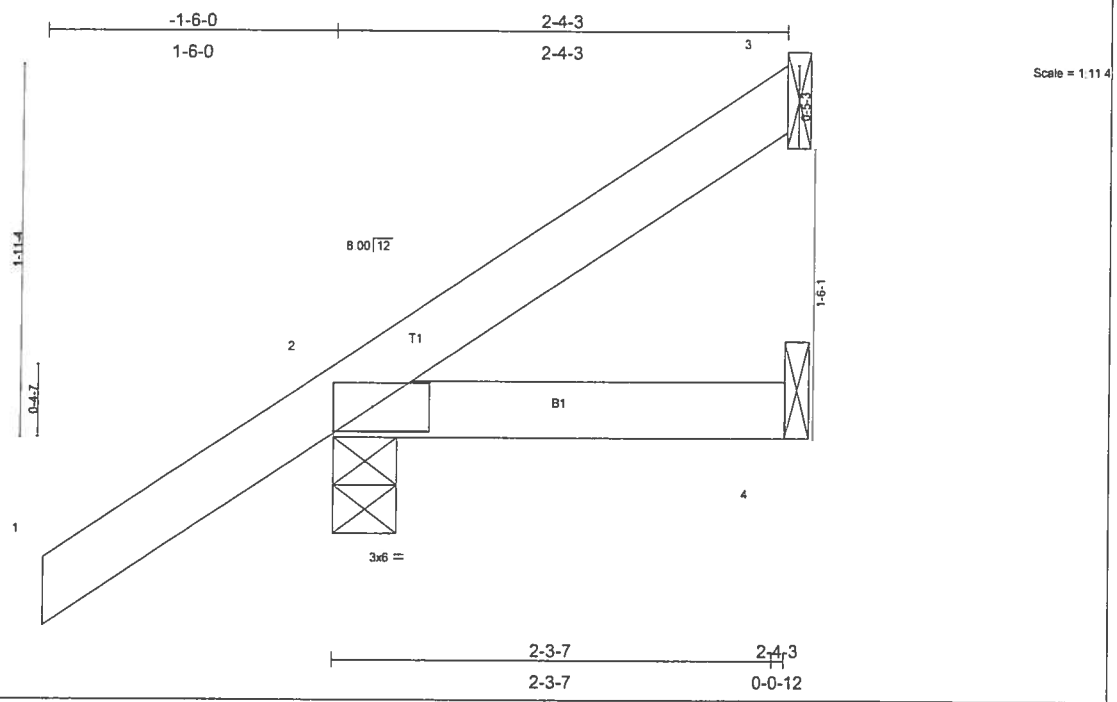


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	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 2-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=22/Mechanical, 2=214/0-4-0, 4=32/Mechanical
Max Horz 2=134(load case 5)
Max Uplift3=-27(load case 6), 2=-151(load case 5)
Max Grav 3=25(load case 3), 2=214(load case 1), 4=32(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-55/14
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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3 and 151 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061464

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	EJ3	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 08:53:13 2006 Page 1

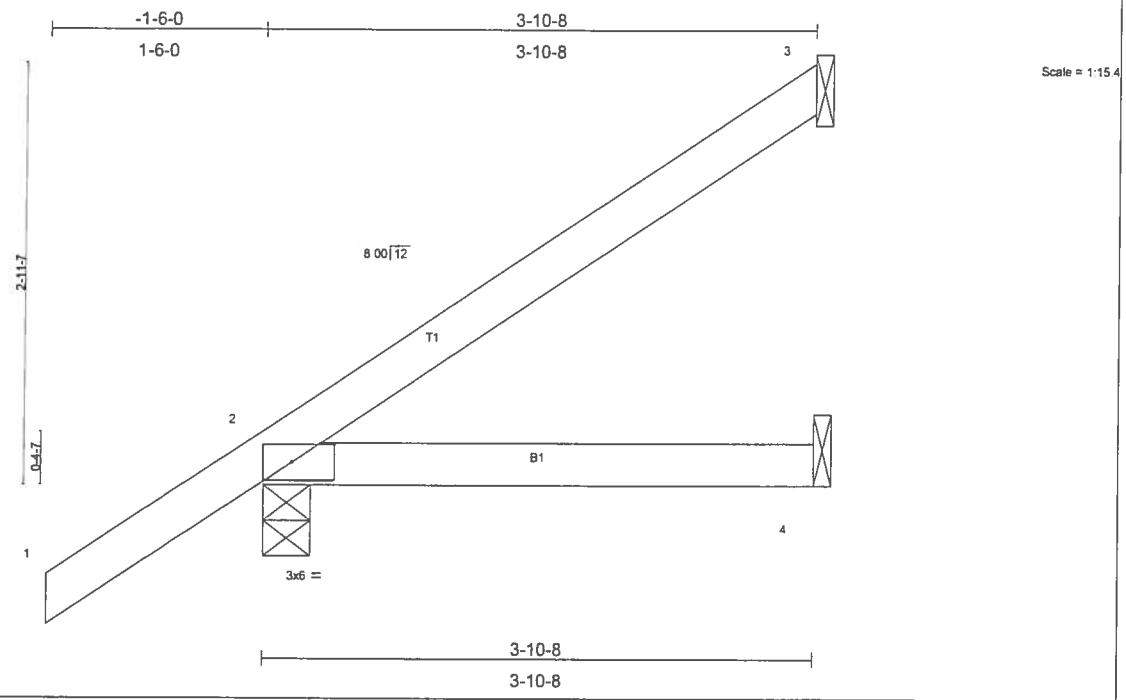


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.02	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=78/Mechanical, 2=264/0-4-0, 4=55/Mechanical
Max Horz 2=181(load case 5)
Max Uplift3=-82(load case 5), 2=-138(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-70/34
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 3 and 138 lb uplift at joint 2.

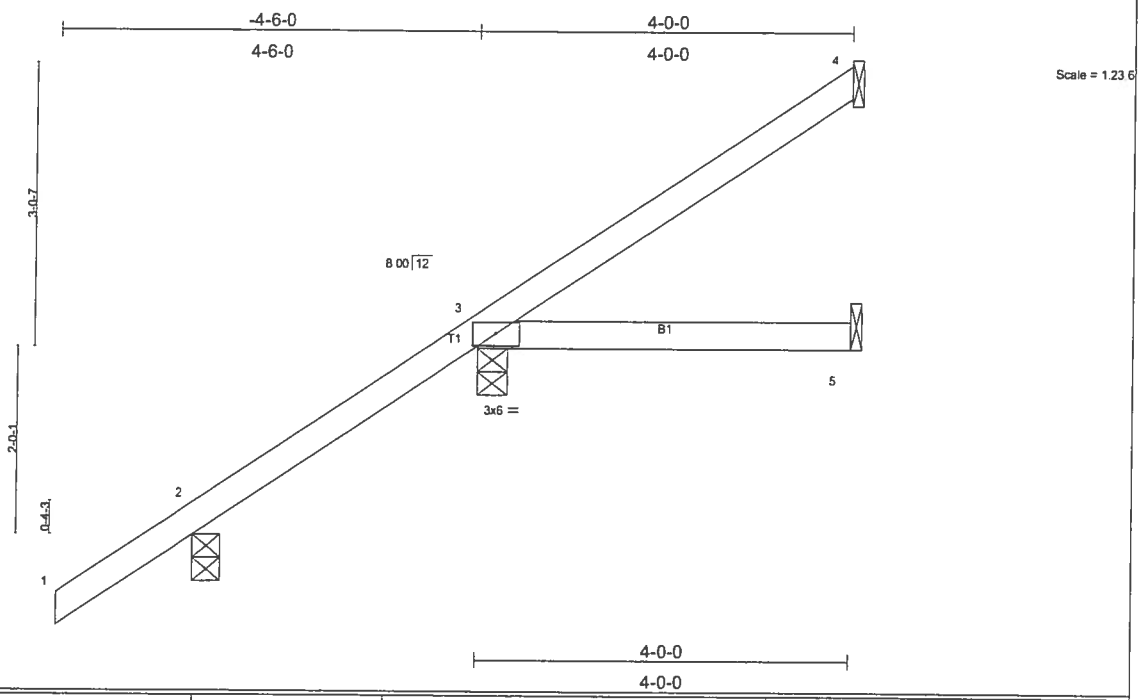
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061465

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	EJ4	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:01:16 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	3-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	3-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

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

REACTIONS (lb/size) 4=83/Mechanical, 3=279/0-4-0, 5=57/Mechanical, 2=186/0-3-8
Max Horz 3=279(load case 5)
Max Uplift4=-98(load case 5), 3=-9(load case 6), 2=-221(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-52/171, 3-4=-82/36
BOT CHORD 3-5=0/0

JOINT STRESS INDEX
3 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 98 lb uplift at joint 4, 9 lb uplift at joint 3 and 221 lb uplift at joint 2.
5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

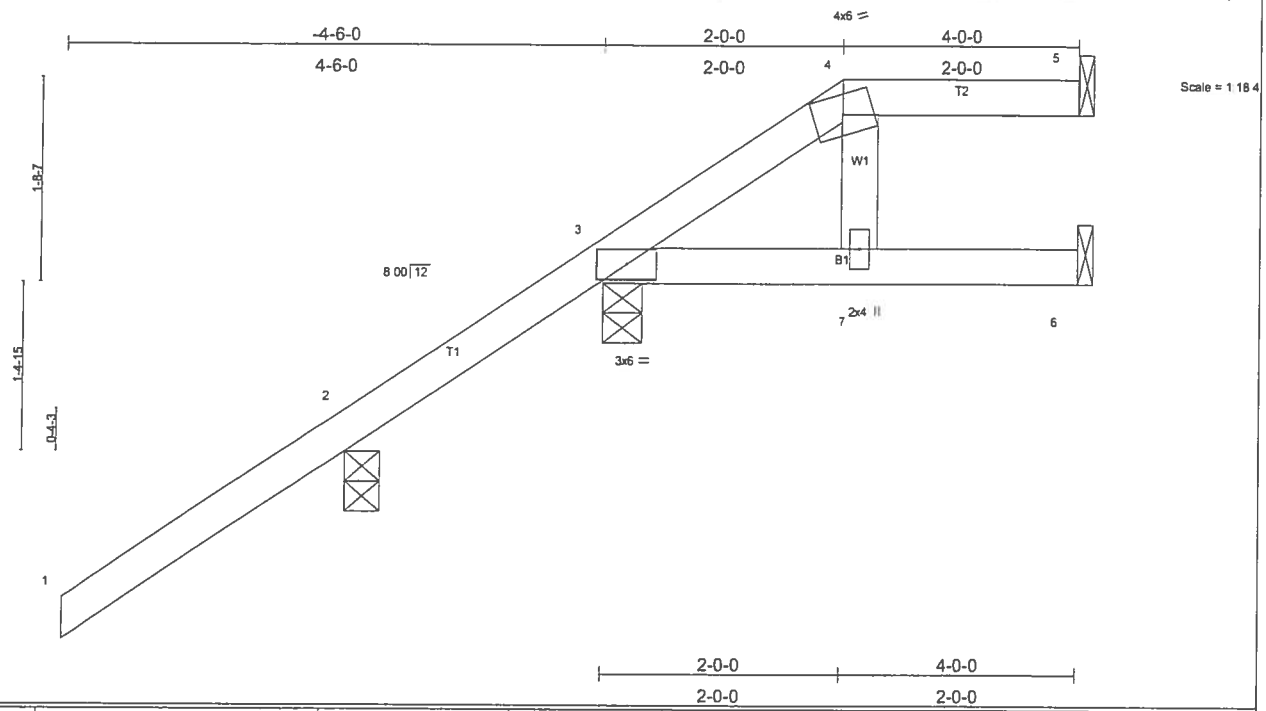
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061466

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	EJ4A	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:02:38 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 0.47	Vert(LL) 0.03 7 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL) -0.04 7 >999 180	
BCLL 10.0	Rep Stress Incr YES	WB 0.03	Horz(TL) 0.03 5 n/a n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 22 lb

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

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

REACTIONS (lb/size) 5=52/Mechanical, 3=179/0-4-0, 6=96/Mechanical, 2=266/0-3-8
Max Horz 3=232(load case 5)
Max Uplift5=-44(load case 3), 6=-33(load case 5), 2=-385(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/75, 2-3=-67/262, 3-4=-52/6, 4-5=-1/0
BOT CHORD 3-7=-13/8, 6-7=0/0
WEBS 4-7=-75/125

JOINT STRESS INDEX
3 = 0.10, 4 = 0.05 and 7 = 0.07

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 5, 33 lb uplift at joint 6 and 385 lb uplift at joint 2.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

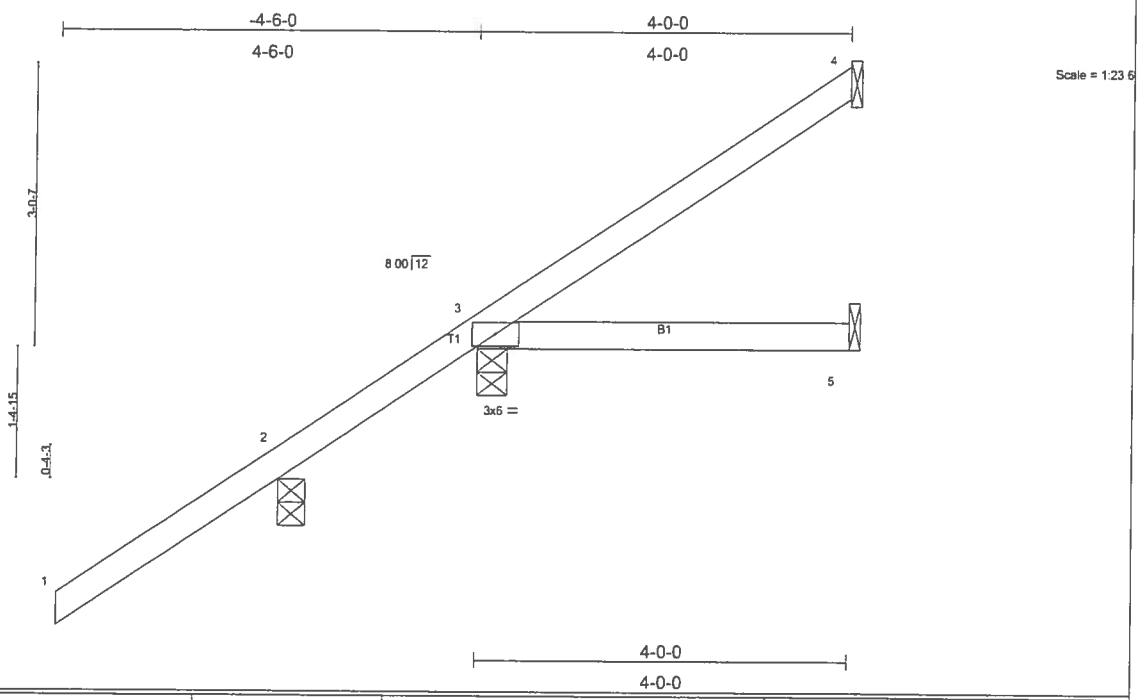
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061467

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	EJ4B	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:12:31 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	0.47	Vert(LL)	-0.01	3-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.02	3-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

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

REACTIONS (lb/size) 4=90/Mechanical, 3=185/0-4-0, 5=57/Mechanical, 2=263/0-3-8
Max Horz 3=290(load case 5)
Max Uplift4=-106(load case 5), 2=-362(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/75, 2-3=-65/251, 3-4=-87/40
BOT CHORD 3-5=0/0

JOINT STRESS INDEX
3 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 4 and 362 lb uplift at joint 2.
5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061468

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	EJ7	MONO TRUSS	15	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:03:37 2006 Page 1

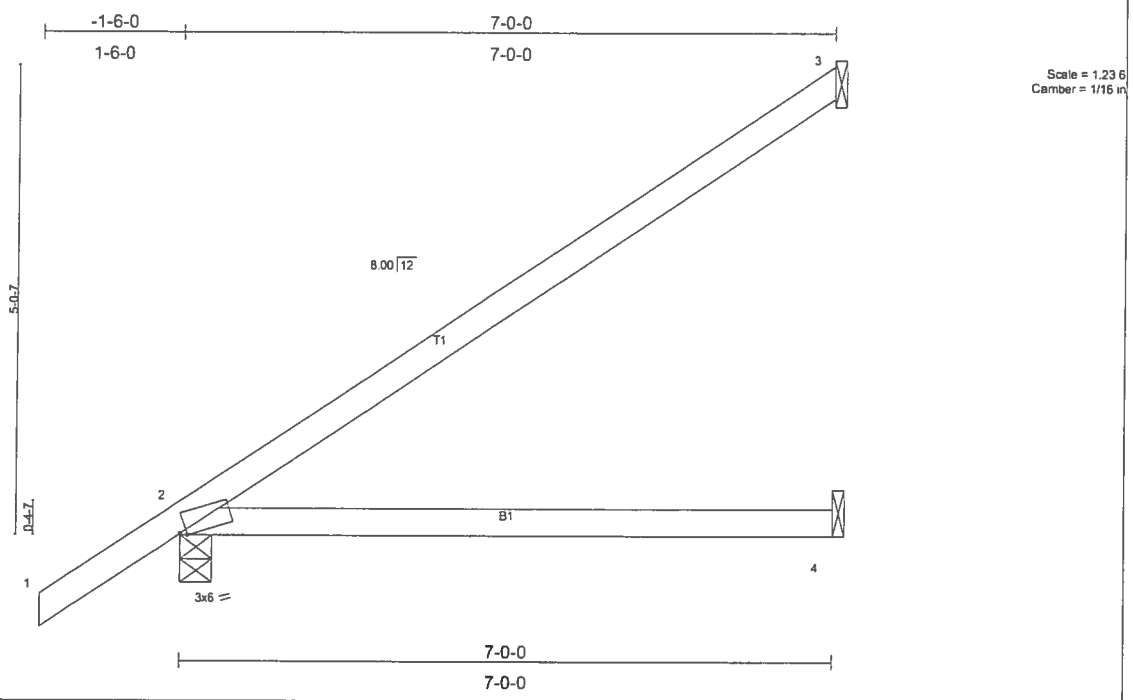


Plate Offsets (X,Y): [2:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.14	2-4	>599	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.22	2-4	>362	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=164/Mechanical, 2=385/0-4-0, 4=109/Mechanical
Max Horz 2=277(load case 5)
Max Uplift3=-165(load case 5), 2=-142(load case 5), 4=-1(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-126/73
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.75

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 3, 142 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061469

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	EJ7A	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:04:18 2006 Page 1

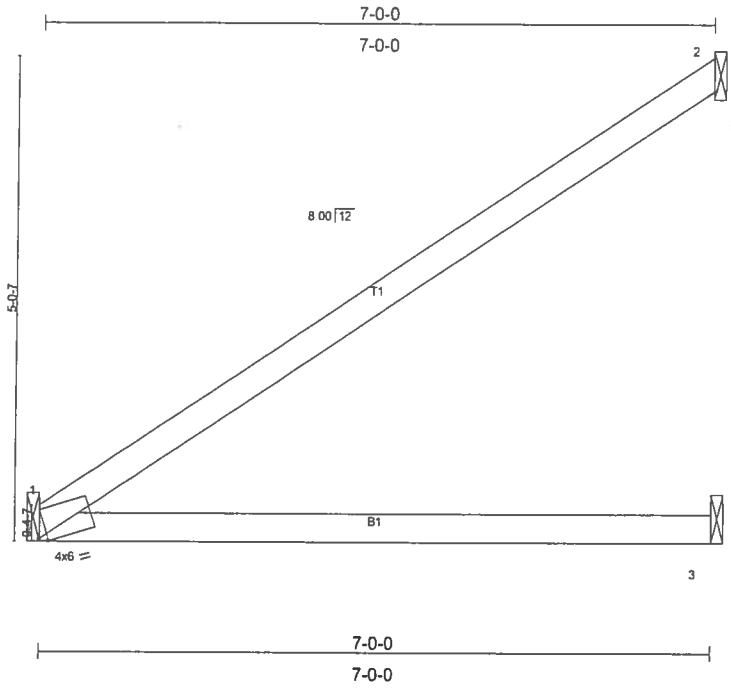


Plate Offsets (X,Y): [1:0-1-1,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.16	1-3	>507	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.27	1-3	>309	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 23 lb	

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

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=289/Mechanical, 2=172/Mechanical, 3=117/Mechanical
Max Horz 1=216(load case 5)
Max Uplift1=-36(load case 5), 2=-173(load case 5), 3=-9(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-130/76
BOT CHORD 1-3=0/0

JOINT STRESS INDEX
1 = 0.84

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 1, 173 lb uplift at joint 2 and 9 lb uplift at joint 3.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061470

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	HJ4	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:05:42 2006 Page 1

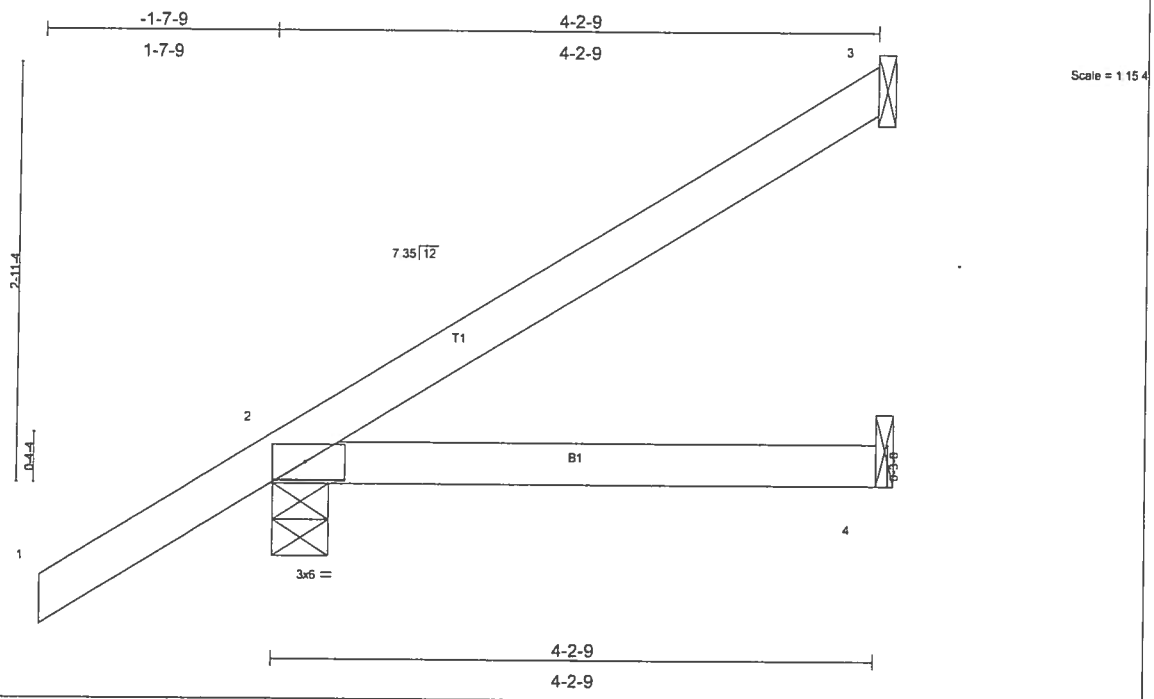


Plate Offsets (X,Y): [2:0-3-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	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: 17 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=54/Mechanical, 2=183/0-4-11, 4=42/Mechanical
Max Horz 2=106(load case 4)
Max Uplift3=-36(load case 4), 2=-112(load case 4)
Max Grav 3=80(load case 2), 2=183(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-35/42
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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3 and 112 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-3=-57(F=-1, B=-1), 2=0(F=15, B=15)-to-4=-32(F=-1, B=-1)

SEPTEMBER 15, 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.#0915061471

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	HJ8	MONO TRUSS	1	1	Job Reference (optional)

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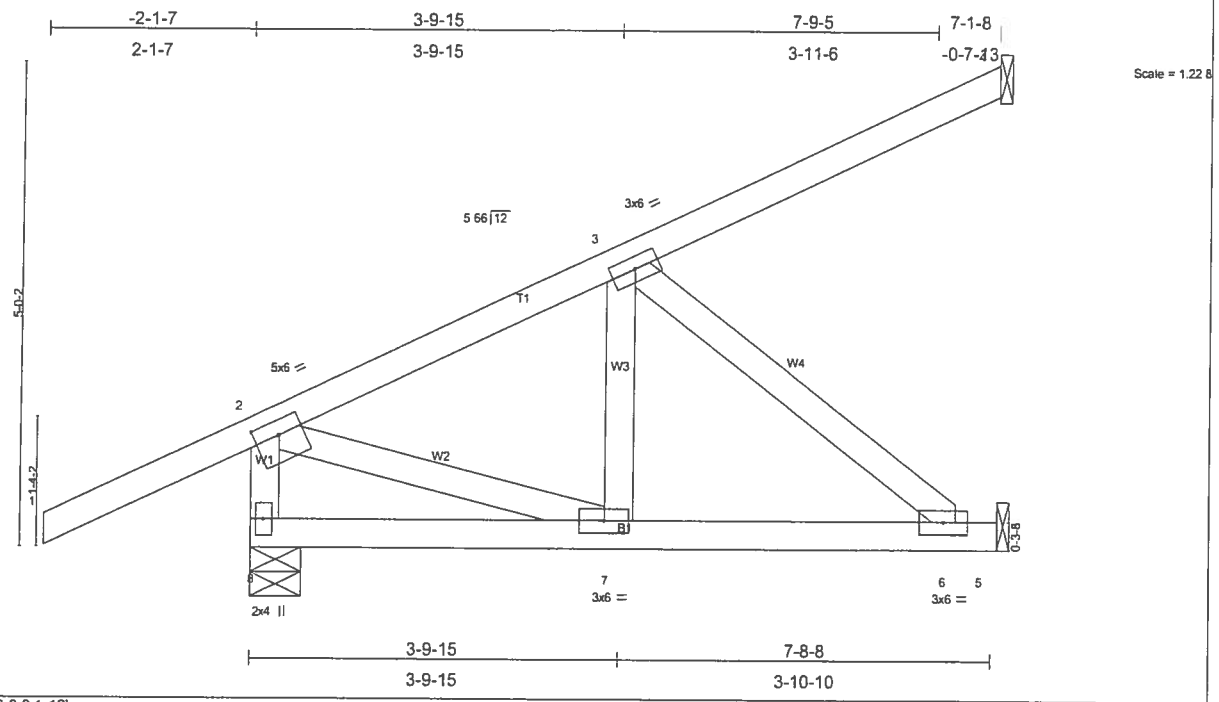

Plate Offsets (X,Y): [2:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.04	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.11	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 8=352/0-6-7, 4=150/Mechanical, 5=247/Mechanical
Max Horz 8=257(load case 4)
Max Uplift8=-131(load case 4), 4=-146(load case 4), 5=-88(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-8=-354/142, 1-2=0/52, 2-3=-265/0, 3-4=-83/47
BOT CHORD 7-8=-98/11, 6-7=-148/231, 5-6=0/0
WEBS 2-7=-63/344, 3-7=0/64, 3-6=-297/190

JOINT STRESS INDEX
2 = 0.69, 3 = 0.10, 6 = 0.10, 7 = 0.19 and 8 = 0.30

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 left exposed; 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 8, 146 lb uplift at joint 4 and 88 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-4=-105(F=-25, B=-25), 8=0(F=15, B=15)-to-5=-58(F=-14, B=-14)

SEPTEMBER 15, 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.#0915061472

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	HJ9	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055

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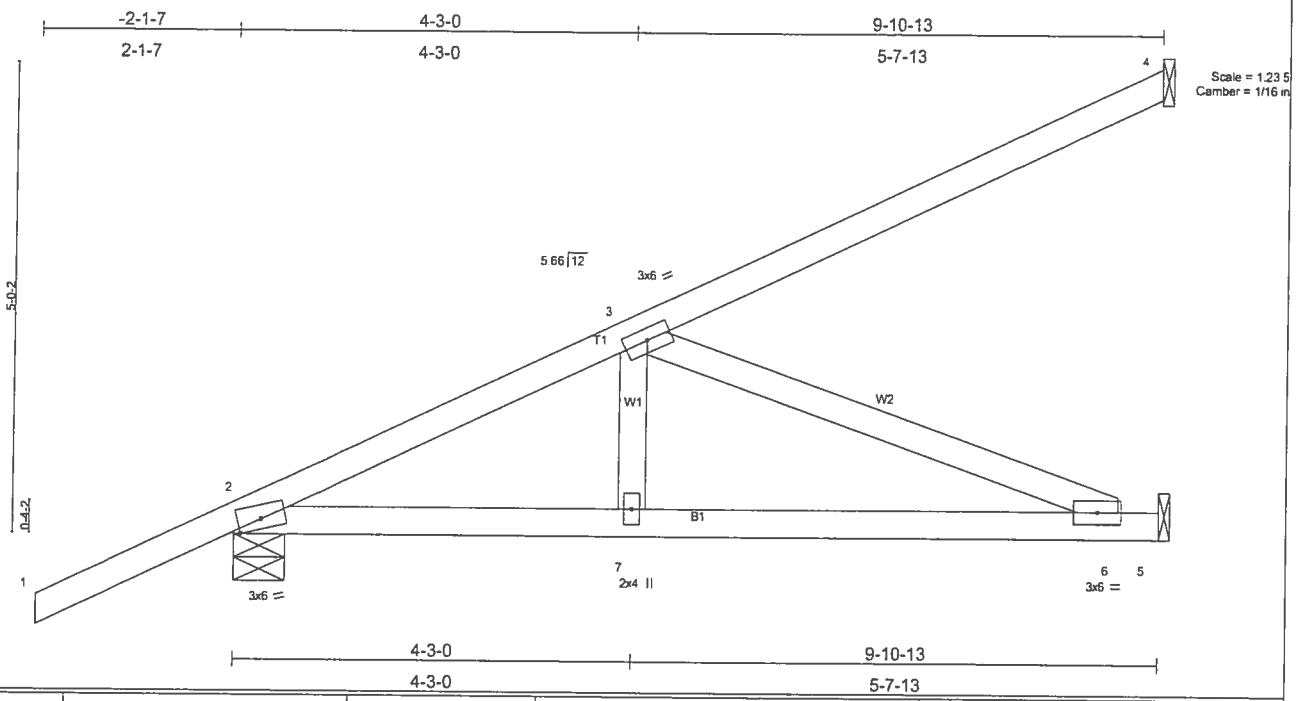

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.17	6-7	>673	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 4=266/Mechanical, 2=488/0-6-7, 5=387/Mechanical
Max Horz 2=343(load case 4)
Max Uplift4=-266(load case 4), 2=-186(load case 4), 5=-96(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-741/57, 3-4=-149/83
BOT CHORD 2-7=-330/656, 6-7=-330/656, 5-6=0/0
WEBS 3-7=0/210, 3-6=-705/355

JOINT STRESS INDEX
2 = 0.85, 3 = 0.19, 6 = 0.19 and 7 = 0.15

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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 4, 186 lb uplift at joint 2 and 96 lb uplift at joint 5.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

SEPTEMBER 15, 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.#0915061473

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	PB07	VALLEY	1	1	Job Reference (optional)

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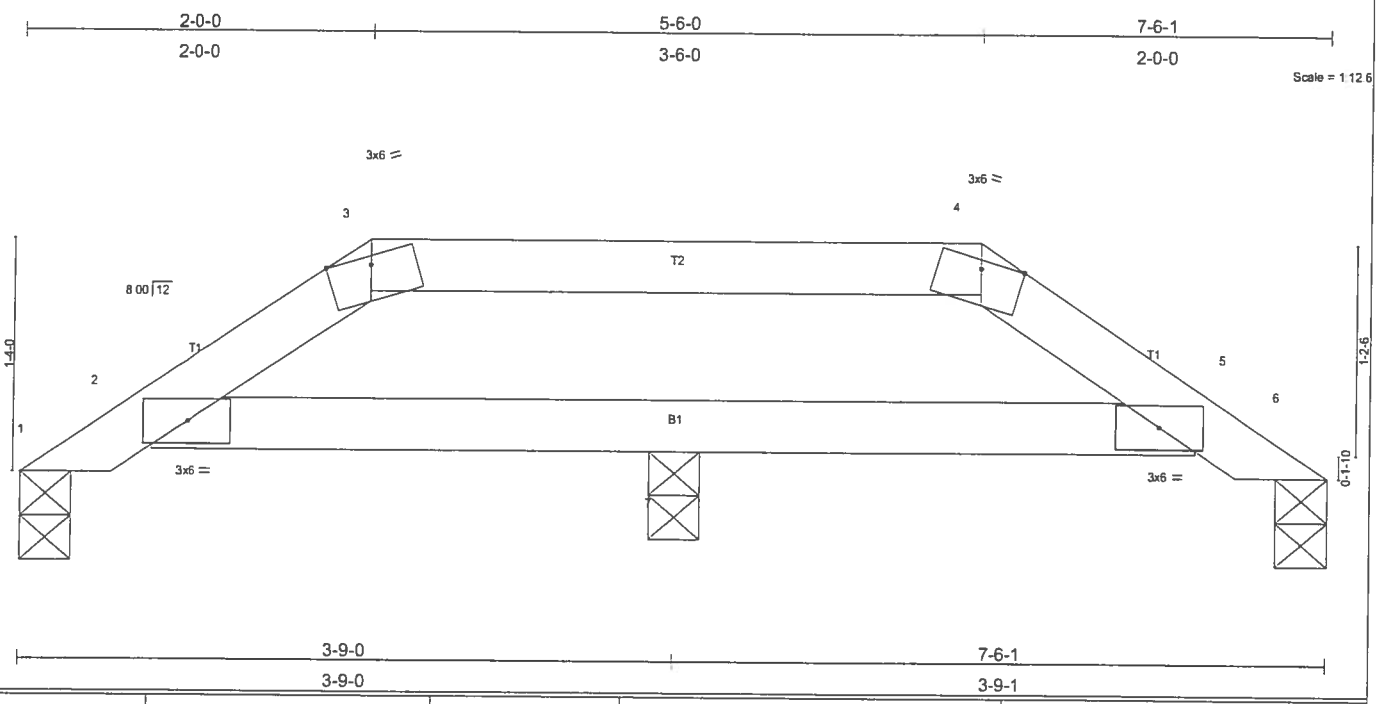

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.21	Vert(LL) -0.01 5-7 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.19	Vert(TL) -0.01 5-7 >999 180	
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.01 6 n/a n/a	
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 21 lb

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

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

REACTIONS (lb/size) 1=204/0-3-8, 6=204/0-3-8, 7=176/0-3-8
Max Horz 1=44(load case 4)
Max Uplift1=-83(load case 4), 6=-88(load case 3), 7=-9(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-101/67, 2-3=-329/192, 3-4=-290/182, 4-5=-329/197, 5-6=-101/53
BOT CHORD 2-7=-185/290, 5-7=-185/290

JOINT STRESS INDEX
2 = 0.42, 3 = 0.20, 4 = 0.20 and 5 = 0.42

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 Interior(1) 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, 6 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 83 lb uplift at joint 1, 88 lb uplift at joint 6 and 9 lb uplift at joint 7.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061474

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	PB08	VALLEY	5	1	Job Reference (optional)

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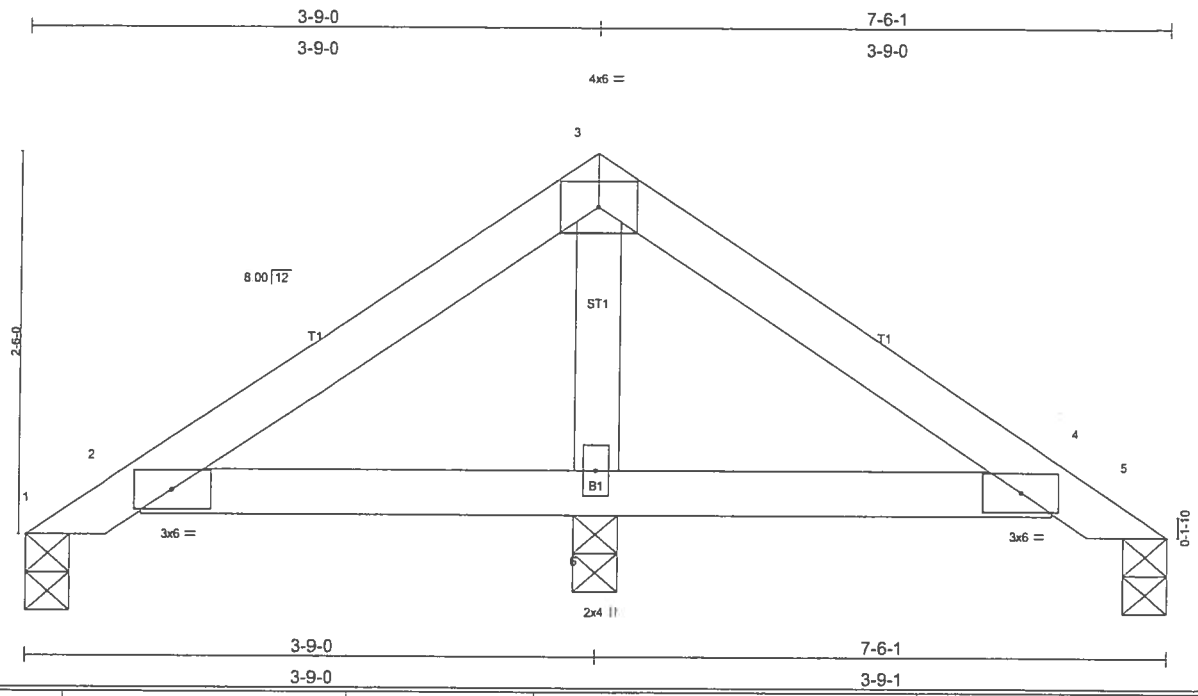

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.01	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code	FBC2004/TPI2002	(Matrix)							Weight: 25 lb	

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

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

REACTIONS (lb/size) 1=41/0-3-8, 5=41/0-3-8, 6=502/0-3-8
Max Horz 1=83(load case 4)
Max Uplift1=-13(load case 6), 5=-34(load case 3), 6=-166(load case 5)
Max Grav 1=64(load case 9), 5=64(load case 10), 6=502(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-72/76, 2-3=-68/205, 3-4=-55/205, 4-5=-30/22
BOT CHORD 2-6=-124/95, 4-6=-124/95
WEBS 3-6=-364/169

JOINT STRESS INDEX
2 = 0.22, 3 = 0.26, 4 = 0.22 and 6 = 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 Interior(1) 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, 5 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 13 lb uplift at joint 1, 34 lb uplift at joint 5 and 166 lb uplift at joint 6.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061475

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	PB09	VALLEY	1	1	Job Reference (optional)

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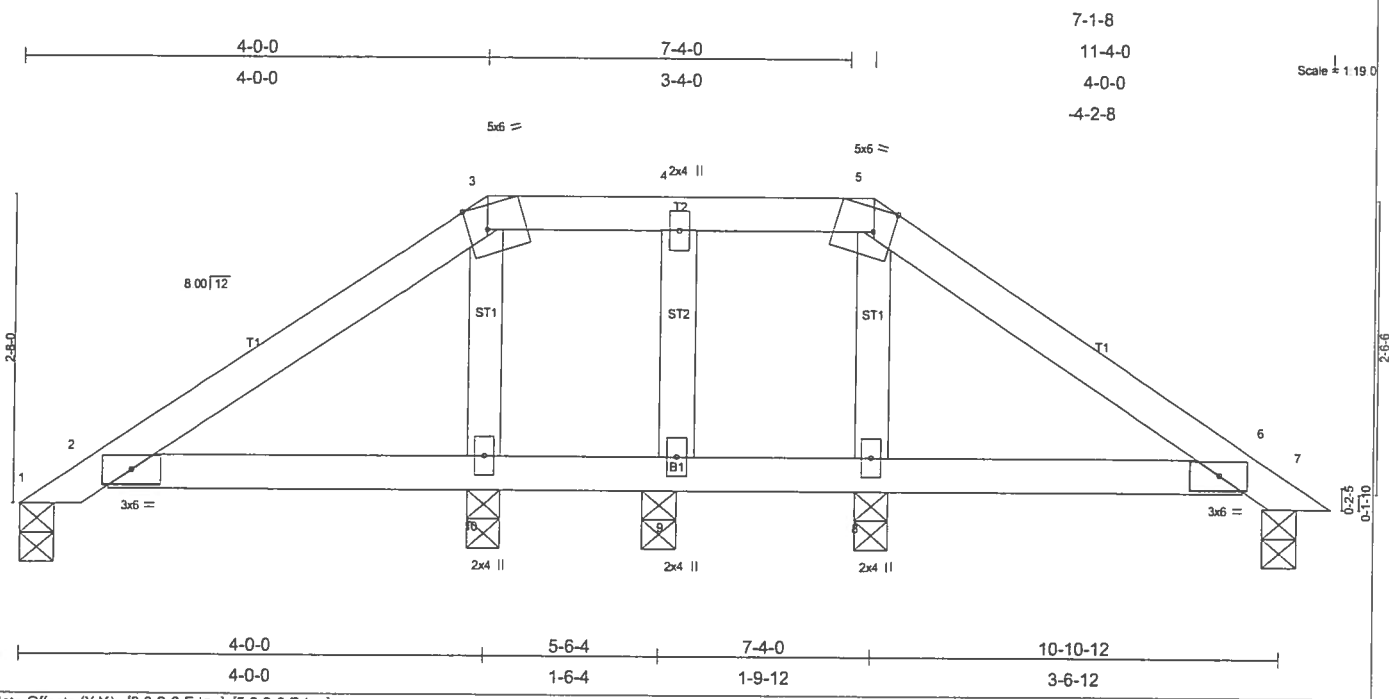

Plate Offsets (X,Y): [3:0-2-0,Edge], [5:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	6-8	>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: 43 lb	

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

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

REACTIONS (lb/size) 1=39/0-3-8, 7=39/0-3-8, 9=9/0-3-8, 8=409/0-3-8, 10=409/0-3-8
Max Horz 1=90(load case 4)
Max Uplift1=-14(load case 6), 7=-29(load case 3), 9=-70(load case 3), 8=-158(load case 6), 10=-175(load case 5)
Max Grav 1=59(load case 9), 7=59(load case 10), 9=46(load case 10), 8=409(load case 1), 10=409(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-82/87, 2-3=-88/241, 3-4=-12/152, 4-5=-12/152, 5-6=-67/241, 6-7=-28/19
BOT CHORD 2-10=-152/111, 9-10=-152/111, 8-9=-152/111, 6-8=-152/111
WEBS 4-9=-52/75, 5-8=-281/148, 3-10=-281/163

JOINT STRESS INDEX
2 = 0.23, 3 = 0.27, 4 = 0.04, 5 = 0.27, 6 = 0.23, 8 = 0.10, 9 = 0.04 and 10 = 0.10

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 Interior(1) 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 14 lb uplift at joint 1, 29 lb uplift at joint 7, 70 lb uplift at joint 9 , 158 lb uplift at joint 8 and 175 lb uplift at joint 10.
7) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061476

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	PB10	VALLEY	4	1	Job Reference (optional)

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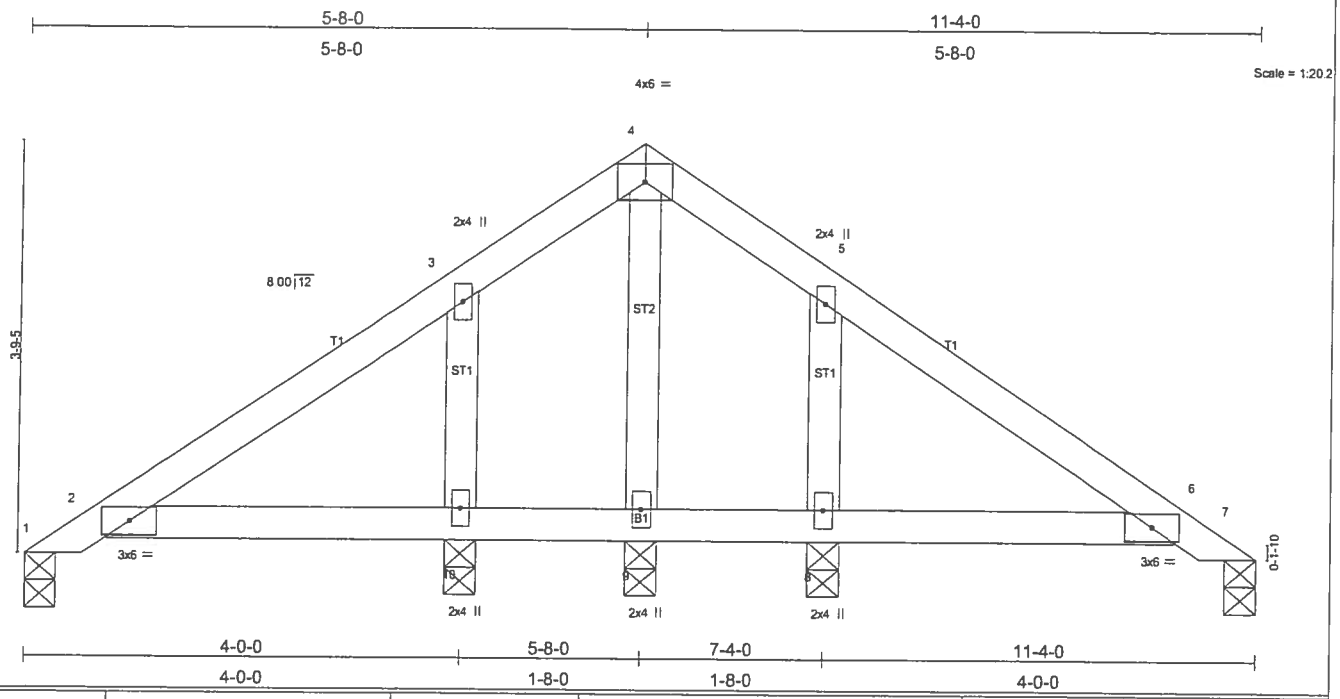


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.01	6-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	6-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 1=43/0-3-8, 7=43/0-3-8, 9=182/0-3-8, 8=318/0-3-8, 10=318/0-3-8
Max Horz 1=128(load case 4)
Max Uplift1=-24(load case 3), 7=-18(load case 3), 9=-6(load case 4), 8=-181(load case 6), 10=-188(load case 5)
Max Grav 1=62(load case 9), 7=62(load case 10), 9=182(load case 1), 8=321(load case 10), 10=321(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-127/127, 2-3=-116/231, 3-4=-21/172, 4-5=-14/172, 5-6=-83/231, 6-7=-29/14
BOT CHORD 2-10=-143/128, 9-10=-143/128, 8-9=-143/128, 6-8=-143/128
WEBS 4-9=-200/15, 5-8=-190/174, 3-10=-190/178

JOINT STRESS INDEX
2 = 0.21, 3 = 0.09, 4 = 0.07, 5 = 0.09, 6 = 0.21, 8 = 0.10, 9 = 0.07 and 10 = 0.10

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 Interior(1) 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 24 lb uplift at joint 1, 18 lb uplift at joint 7, 6 lb uplift at joint 9, 181 lb uplift at joint 8 and 188 lb uplift at joint 10.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

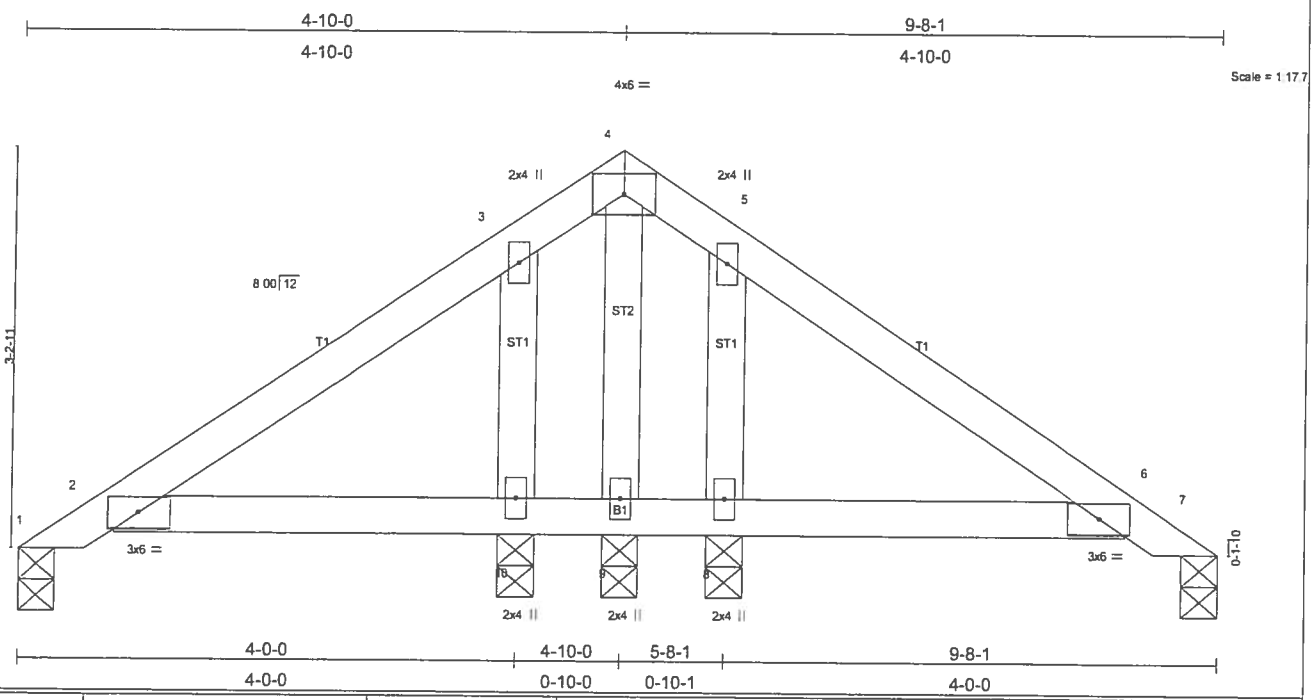
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061477

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	PB11	VALLEY	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:11:43 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	0.12	Vert(LL)	-0.01	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	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: 39 lb	

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

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

REACTIONS (lb/size) 1=29/0-3-8, 7=29/0-3-8, 9=-46/0-3-8, 8=376/0-3-8, 10=376/0-3-8
Max Horz 1=109(load case 4)
Max Uplift1=-16(load case 3), 7=-21(load case 3), 9=-46(load case 1), 8=-196(load case 6), 10=-205(load case 5)
Max Grav 1=52(load case 9), 7=52(load case 10), 9=86(load case 6), 8=380(load case 10), 10=380(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-106/106, 2-3=-117/258, 3-4=-1/164, 4-5=-23/164, 5-6=-93/258, 6-7=-24/15
BOT CHORD 2-10=-167/132, 9-10=-167/132, 8-9=-167/132, 6-8=-167/132
WEBS 4-9=-91/0, 5-8=-213/177, 3-10=-213/183

JOINT STRESS INDEX
2 = 0.21, 3 = 0.10, 4 = 0.10, 5 = 0.10, 6 = 0.21, 8 = 0.10, 9 = 0.03 and 10 = 0.10

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 interior(1) 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 16 lb uplift at joint 1, 21 lb uplift at joint 7, 46 lb uplift at joint 9 , 196 lb uplift at joint 8 and 205 lb uplift at joint 10.
6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061478

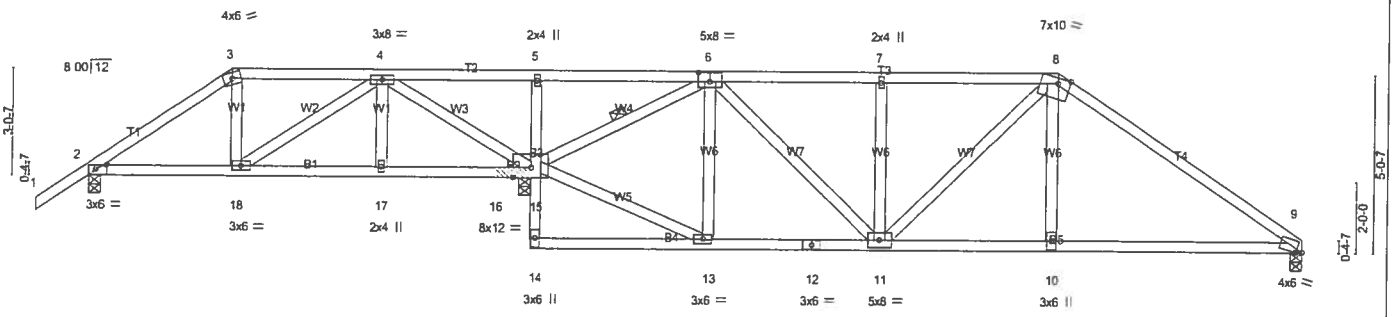
Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T01	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:15:59 2006 Page 1

-1-6-0, 4-0-0, 8-3-0, 12-6-0, 17-6-9, 22-5-7, 27-6-0, 30-9-9, 34-6-0

1-6-0, 4-0-0, 4-3-0, 4-3-0, 5-0-9, 4-10-13, 5-0-9, 3-3-9, 3-8-7

Scale = 1:62.3
Camber = 1/16 in



12-7-12

4-0-0, 8-3-0, 12-4-0, 12-6-0, 17-6-9, 22-5-7, 27-6-0, 30-9-9, 34-6-0

4-0-0, 4-3-0, 4-1-0, 0-2-0, 4-10-13, 4-10-13, 5-0-9, 3-3-9, 3-8-7

0-1-12

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [6:0-4-0,0-3-0], [8:0-4-0,Edge], [9:0-2-1,0-0-10]

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)	-0.13	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.20	9-10	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 193 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 4 SYP No.1D, B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-9-14 oc bracing.
WEBS 1 Row at midpt 6-15

REACTIONS (lb/size) 9=1639/0-4-0, 2=477/0-4-0, 15=4051/0-4-12 (0-4-0 + bearing block)
Max Horz 2=-141(load case 2)
Max Uplift 9=-874(load case 2), 2=-330(load case 4), 15=-2707(load case 3)
Max Grav 9=1640(load case 9), 2=485(load case 8), 15=4051(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-479/295, 3-4=-346/282, 4-5=-610/956, 5-6=-578/944, 6-7=-2111/1379, 7-8=-2112/1378, 8-9=-2569/1491
BOT CHORD 2-18=-298/347, 17-18=-125/146, 16-17=-125/146, 15-16=-125/146, 14-15=0/150, 5-15=-468/452, 13-14=0/39, 12-13=-728/1260, 11-12=-728/1260, 10-11=-1160/2066, 9-10=-1149/2041
WEBS 3-18=-41/22, 4-18=-209/313, 4-17=-128/184, 4-15=-1214/847, 13-15=-828/1337, 6-15=-2520/1571, 6-13=-171/381, 6-11=-732/1187, 7-11=-602/693, 8-11=-216/183, 8-10=-385/844

JOINT STRESS INDEX
2 = 0.40, 3 = 0.33, 4 = 0.63, 5 = 0.86, 6 = 0.71, 7 = 0.40, 8 = 0.78, 9 = 0.88, 10 = 0.27, 11 = 0.56, 12 = 0.56, 13 = 0.76, 14 = 0.34, 15 = 0.56, 15 = 0.00, 16 = 0.00, 16 = 0.00, 17 = 0.34 and 18 = 0.35

NOTES
1) 2 X 4 SYP No.1D bearing block 12" long at jt. 15 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
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 874 lb uplift at joint 9, 330 lb uplift at joint 2 and 2707 lb uplift at joint 15.
7) Girder carries tie-in span(s): 3-1-13 from 4-0-0 to 12-6-0; 2-11-4 from 4-0-0 to 12-6-0
8) Girder carries hip end with 7-0-0 right side setback, 12-6-0 left side setback, and 7-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 410 lb up at 27-6-0, and 963 lb down and 733 lb up at 12-7-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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=-71(F=-17), 5-8=-117(F=-63), 8-9=-54, 2-18=-30, 15-18=-43(F=-13), 10-14=-65(F=-35), 9-10=-30
Concentrated Loads (lb)
Vert: 15=-963(F) 10=-539(F)

SEPTEMBER 15, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

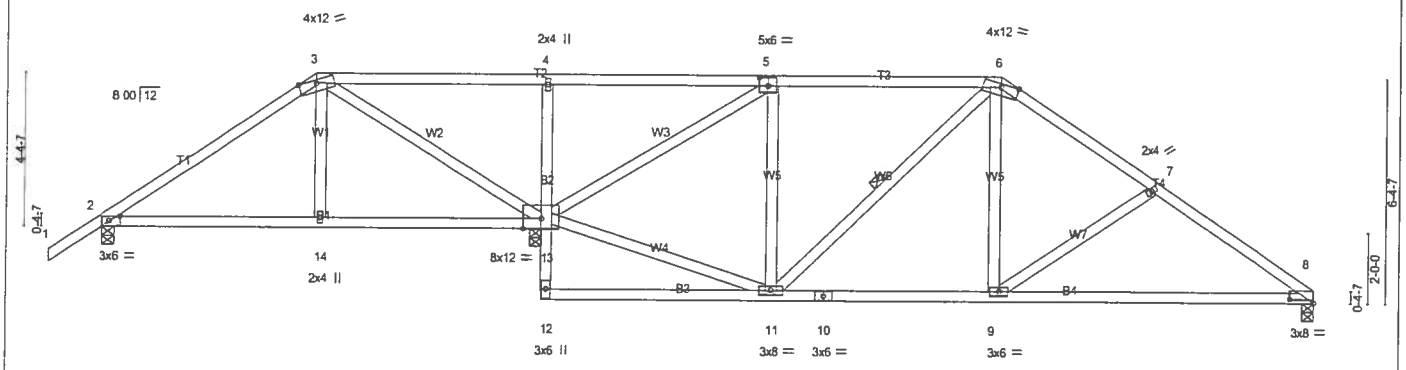
Dwg.#0915061479

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:16:27 2006 Page 1

-1-6-0	6-0-0	12-6-0	19-0-0	25-6-0	29-9-9	34-6-0
1-6-0	6-0-0	6-6-0	6-6-0	6-6-0	4-3-9	4-8-7

Scale = 1:62.4
Camber = 1/8 in



6-0-0	12-4-0	12-6-0	19-0-0	25-6-0	34-6-0
6-0-0	6-4-0	0-2-0	6-6-0	6-6-0	9-0-0

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [5:0-3-0,0-3-0], [8:0-8-3,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.17	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.29	8-9	>911	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.02	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 193 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 5-4-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 6-11

REACTIONS (lb/size) 8=845/0-4-0, 2=506/0-4-0, 13=1609/0-4-0
Max Horz 2=-186(load case 3)
Max Uplift8=-271(load case 6), 2=-387(load case 5), 13=-823(load case 4)
Max Grav 8=847(load case 10), 2=522(load case 9), 13=1609(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-471/364, 3-4=-92/279, 4-5=-106/298, 5-6=-554/312, 6-7=-955/363, 7-8=-1158/402
BOT CHORD 2-14=-317/322, 13-14=-323/330, 12-13=0/96, 4-13=-362/317, 11-12=0/49, 10-11=-161/751, 9-10=-161/751, 8-9=-256/925
WEBS 3-14=-254/212, 3-13=-686/479, 11-13=-218/550, 5-13=-1007/452, 5-11=-26/196, 6-11=-272/101, 6-9=-88/381, 7-9=-222/233

JOINT STRESS INDEX
2 = 0.67, 3 = 0.97, 4 = 0.52, 5 = 0.74, 6 = 0.73, 7 = 0.34, 8 = 0.66, 9 = 0.35, 10 = 0.25, 11 = 0.57, 12 = 0.30, 13 = 0.26 and 14 = 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 Interior(1) 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 capable of withstanding 271 lb uplift at joint 8, 387 lb uplift at joint 2 and 823 lb uplift at joint 13.

LOAD CASE(S) Standard

SEPTEMBER 15, 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

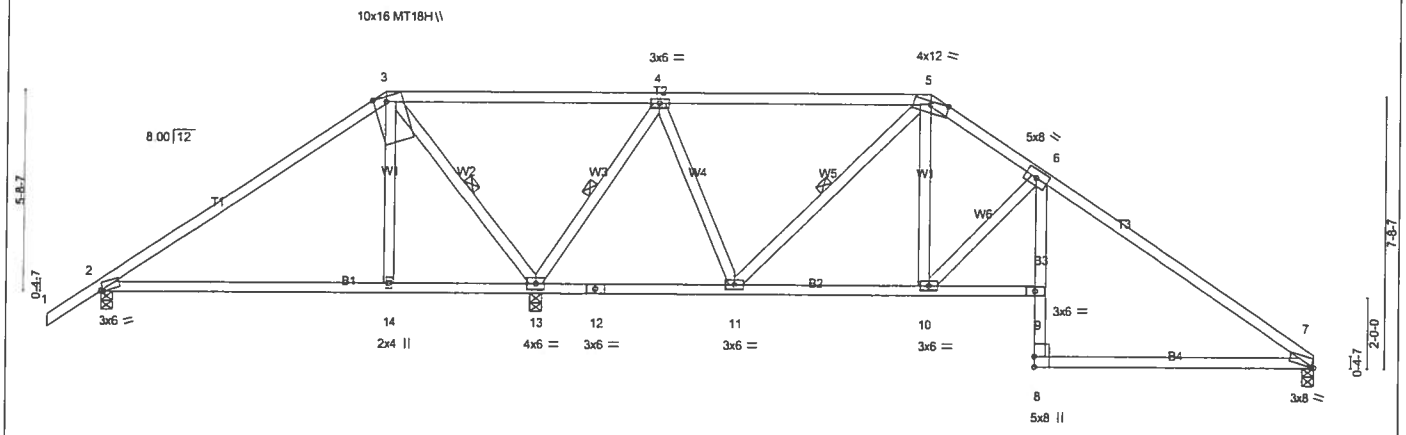
Dwg.#0915061480

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T03	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:16:59 2006 Page 1

-1-6-0, 8-0-0, 15-9-0, 23-6-0, 26-6-0, 34-6-0
1-6-0, 8-0-0, 7-9-0, 7-9-0, 3-0-0, 8-0-0

Scale = 1:62.3
Camber = 1/8 in



8-0-0, 12-4-0, 17-11-0, 23-6-0, 26-6-0, 34-6-0
8-0-0, 4-4-0, 5-7-0, 5-7-0, 3-0-0, 8-0-0

Plate Offsets (X,Y): [2:0-0-13,0-0-6], [3:0-1-12,Edge], [7:0-1-1,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.25	2-14	>584	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	0.19	2-14	>756	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.16	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 179 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.
WEBS 1 Row at midpt 3-13, 4-13, 5-11

REACTIONS (lb/size) 7=517/0-4-0, 2=-129/0-4-0, 13=2573/0-4-0
Max Horz 2=-232(load case 3)
Max Uplift7=-212(load case 6), 2=-408(load case 10), 13=-915(load case 3)
Max Grav 7=520(load case 10), 2=100(load case 9), 13=2573(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-156/1046, 3-4=-391/1665, 4-5=-11/524, 5-6=-243/198, 6-7=-589/251
BOT CHORD 2-14=-821/342, 13-14=-815/338, 12-13=-860/420, 11-12=-860/420, 10-11=-102/209, 9-10=-44/424, 8-9=-12/179, 6-9=0/127, 7-8=-75/393
WEBS 3-14=-304/238, 3-13=-1518/700, 4-13=-1527/646, 4-11=-181/906, 5-11=-974/298, 5-10=-179/498, 6-10=-362/249

JOINT STRESS INDEX
2 = 0.80, 3 = 0.76, 4 = 0.80, 5 = 0.91, 6 = 0.58, 7 = 0.81, 8 = 0.68, 9 = 0.89, 10 = 0.37, 11 = 0.80, 12 = 0.15, 13 = 0.40 and 14 = 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 Interior(1) 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 MT20 plates 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 212 lb uplift at joint 7, 408 lb uplift at joint 2 and 915 lb uplift at joint 13.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061481

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T04	SPECIAL	1	1	Job Reference (optional)

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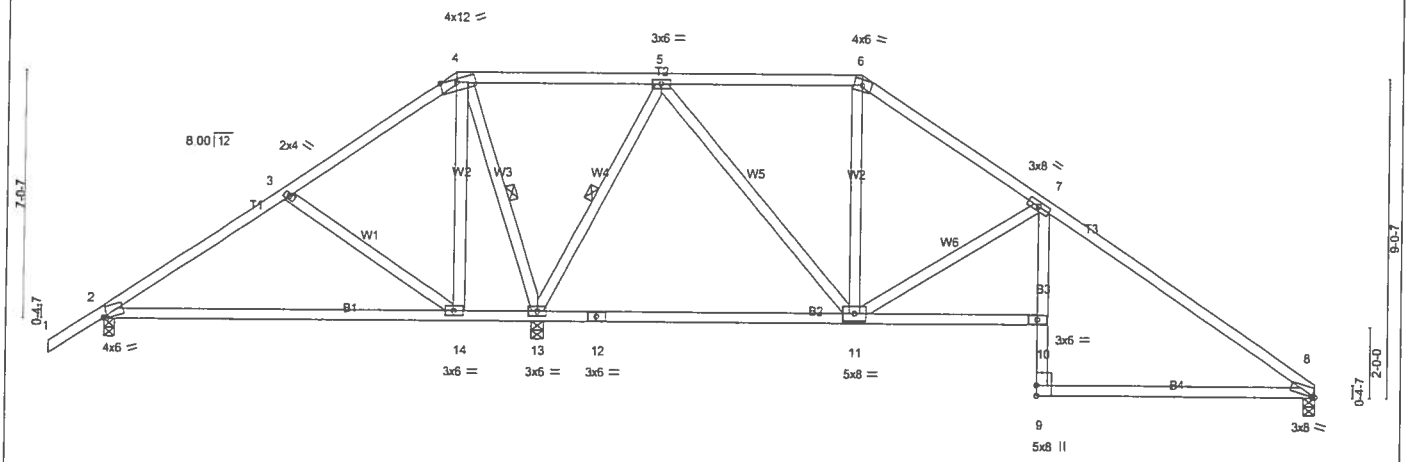
-1-6-0 | 5-2-7 | 10-0-0 | 15-9-0 | 21-6-0 | 26-6-0 | 34-6-0

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

Scale = 1:62.3
Camber = 1/8 in



10-0-0 | 12-4-0 | 21-6-0 | 26-6-0 | 34-6-0

10-0-0 | 2-4-0 | 9-2-0 | 5-0-0 | 8-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.21	2-14	>707	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.36	2-14	>410	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.13	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 190 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 5-5-0 oc bracing.
WEBS 1 Row at midpt 4-13, 5-13

REACTIONS (lb/size) 8=481/0-4-0, 2=-195/0-4-0, 13=2674/0-4-0
Max Horz 2=-278(load case 3)
Max Uplift8=-208(load case 6), 2=-489(load case 10), 13=-654(load case 6)
Max Grav 8=487(load case 10), 2=191(load case 3), 13=2674(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-295/1173, 3-4=-239/1258, 4-5=-239/1435, 5-6=-31/152, 6-7=-58/158, 7-8=-530/246
BOT CHORD 2-14=-924/532, 13-14=-1023/535, 12-13=-815/452, 11-12=-815/452, 10-11=-51/399, 9-10=-11/175, 7-10=0/189, 8-9=-72/346
WEBS 3-14=-313/260, 4-14=-100/388, 4-13=-1389/354, 5-13=-1373/522, 5-11=-315/1147, 6-11=-313/107, 7-11=-545/354

JOINT STRESS INDEX
2 = 0.88, 3 = 0.34, 4 = 0.90, 5 = 0.79, 6 = 0.60, 7 = 0.65, 8 = 0.79, 9 = 0.64, 10 = 0.54, 11 = 0.55, 12 = 0.16, 13 = 0.66 and 14 = 0.35

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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 208 lb uplift at joint 8, 489 lb uplift at joint 2 and 654 lb uplift at joint 13.

LOAD CASE(S) Standard

SEPTEMBER 15, 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

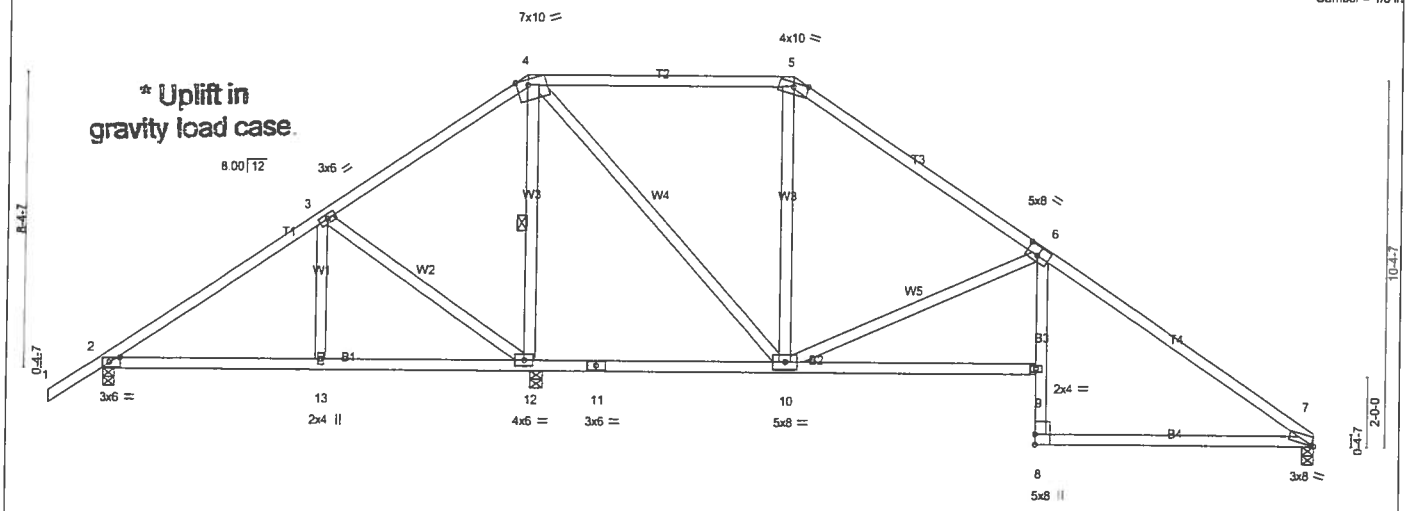
Dwg.#0915061482

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:17:42 2006 Page 1

-1-6-0 | 6-2-7 | 12-0-0 | 19-6-0 | 26-6-0 | 34-6-0
1-6-0 | 6-2-7 | 5-9-9 | 7-6-0 | 7-0-0 | 8-0-0

Scale = 1:62.3
Camber = 1/8 in



6-2-7 | 12-0-0 | 12-4-0 | 19-6-0 | 26-6-0 | 34-6-0
6-2-7 | 5-9-9 | 0-4-0 | 7-2-0 | 7-0-0 | 8-0-0

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-4-0,Edge], [6:0-4-0,0-3-0], [7:0-1-1,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0.23	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.37	9-10	>727	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 188 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 5-6-6 oc bracing.
WEBS 1 Row at midpt 4-12

REACTIONS (lb/size) 2=-230/0-4-0, 7=484/0-4-0, 12=2706/0-4-0
Max Horz 2=-325(load case 3)
Max Uplift2=-529(load case 10), 7=-215(load case 6), 12=-831(load case 6)
Max Grav 2=109(load case 9), 7=490(load case 10), 12=2706(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-75/1194, 3-4=-252/1505, 4-5=0/223, 5-6=0/361, 6-7=-538/261
BOT CHORD 2-13=-959/371, 12-13=-959/371, 11-12=-1216/614, 10-11=-1216/614, 9-10=-90/450, 8-9=-11/179, 6-9=0/258, 7-8=-84/351
WEBS 3-13=-261/201, 3-12=-487/476, 4-12=-2237/601, 4-10=-443/1476, 5-10=-538/221, 6-10=-717/443

JOINT STRESS INDEX
2 = 0.54, 3 = 0.43, 4 = 0.91, 5 = 0.99, 6 = 0.64, 7 = 0.78, 8 = 0.67, 9 = 0.54, 10 = 0.71, 11 = 0.26, 12 = 0.51 and 13 = 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 Interior(1) 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 capable of withstanding 529 lb uplift at joint 2, 215 lb uplift at joint 7 and 831 lb uplift at joint 12.

LOAD CASE(S) Standard

SEPTEMBER 15, 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

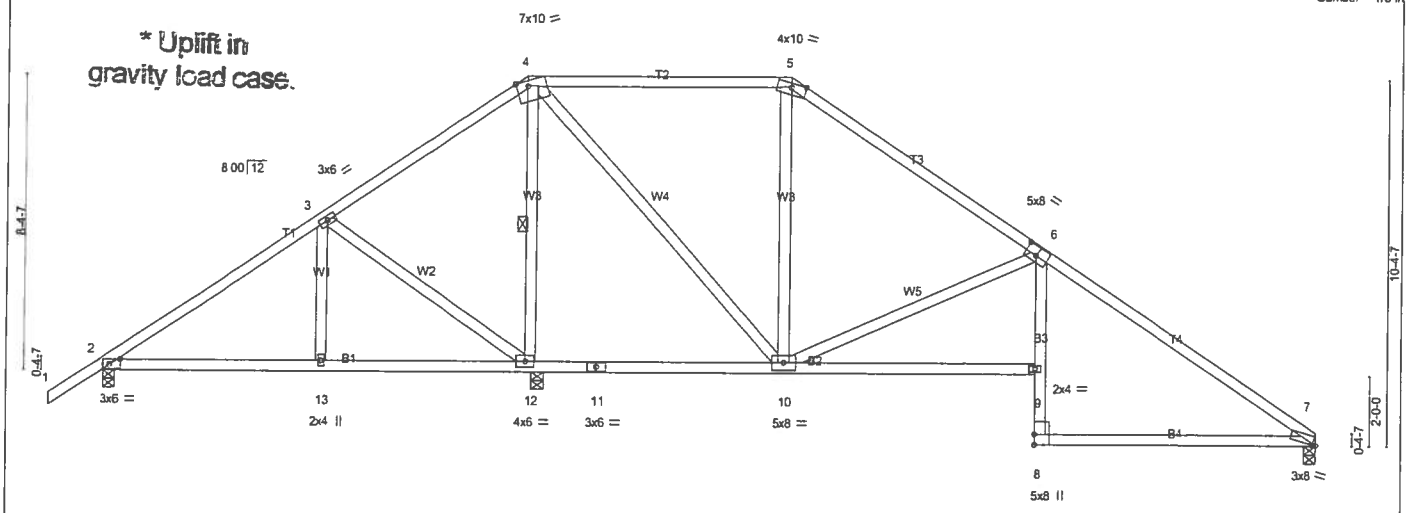
Dwg.#0915061483

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
TEMP	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:50:31 2006 Page 1

-1-6-0 | 6-2-7 | 12-0-0 | 19-6-0 | 26-6-0 | 34-6-0
1-6-0 | 6-2-7 | 5-9-9 | 7-6-1 | 7-0-0 | 8-0-0

Scale = 1:62.3
Camber = 1/8 in



6-2-7 | 12-0-0 | 12-4-0 | 19-6-0 | 26-6-0 | 34-6-0
6-2-7 | 5-9-9 | 0-4-0 | 7-2-0 | 7-0-0 | 8-0-0

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-4-0,Edge], [6:0-4-0,0-3-0], [7:0-1-1,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0.23	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.37	9-10	>727	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 188 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 2-0-0 oc purlins (10-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 5-6-6 oc bracing.
WEBS 1 Row at midpt 4-12

REACTIONS (lb/size) 2=-231/0-4-0, 7=484/0-4-0, 12=2707/0-4-0
Max Horz 2=-325(load case 3)
Max Uplift2=-530(load case 10), 7=-215(load case 6), 12=-831(load case 6)
Max Grav 2=108(load case 9), 7=490(load case 10), 12=2707(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-76/1195, 3-4=-252/1505, 4-5=0/223, 5-6=0/360, 6-7=-538/261
BOT CHORD 2-13=-960/372, 12-13=-960/372, 11-12=-1216/615, 10-11=-1216/615, 9-10=-90/450, 8-9=-11/179, 6-9=0/258, 7-8=-84/352
WEBS 3-13=-261/201, 3-12=-487/476, 4-12=-2238/601, 4-10=-443/1477, 5-10=-537/221, 6-10=-717/443

JOINT STRESS INDEX
2 = 0.54, 3 = 0.43, 4 = 0.91, 5 = 0.99, 6 = 0.64, 7 = 0.78, 8 = 0.67, 9 = 0.54, 10 = 0.71, 11 = 0.26, 12 = 0.51 and 13 = 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 interior(1) 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 capable of withstanding 530 lb uplift at joint 2, 215 lb uplift at joint 7 and 831 lb uplift at joint 12.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061484

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:50:12 2006 Page 1

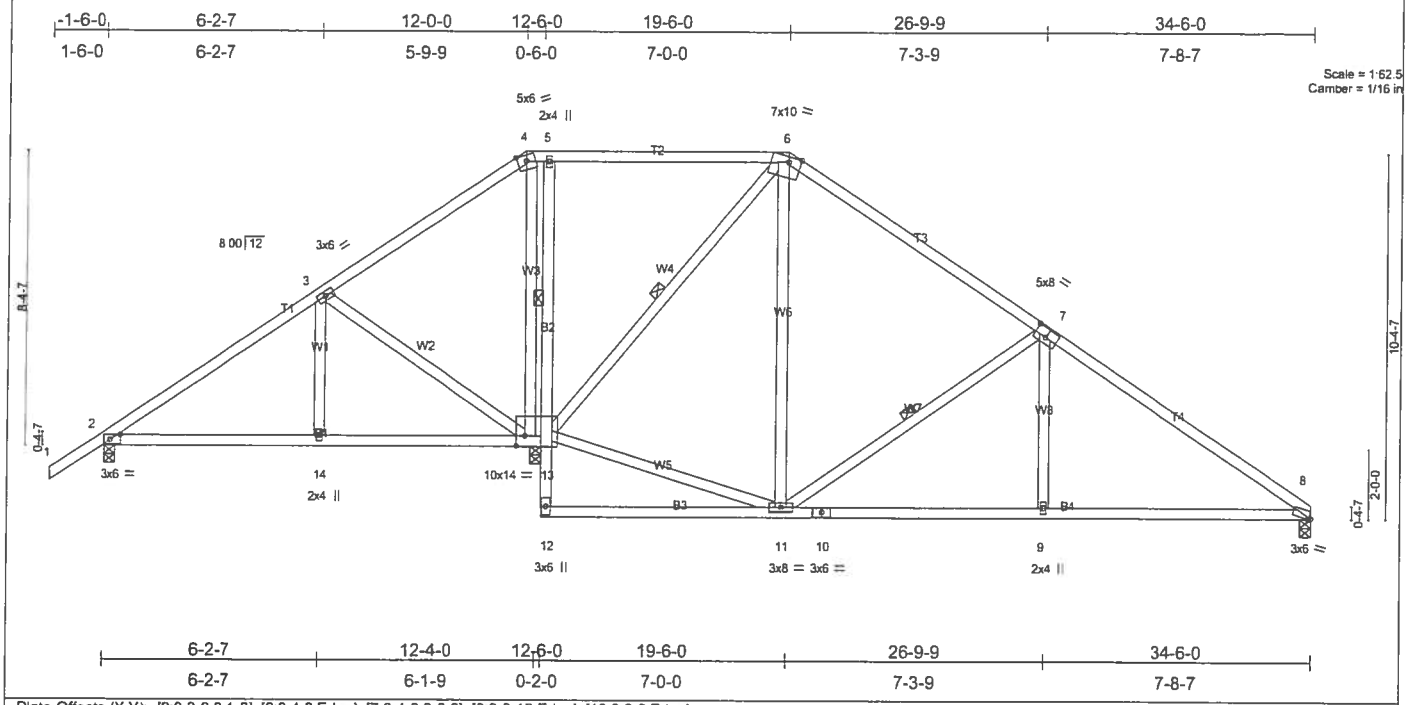


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [6:0-4-0,Edge], [7:0-4-0,0-3-0], [8:0-0-12,Edge], [13:0-3-0,Edge]

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)	-0.14	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.22	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 216 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 5-7-8 oc purlins, except 2-0-0 oc purlins (10-0-0 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-13
WEBS 1 Row at midpt 6-13, 7-11

REACTIONS (lb/size) 2=372/0-4-0, 8=768/0-4-0, 13=1820/0-4-0
Max Horz 2=-325(load case 3)
Max Uplift2=-334(load case 5), 8=-276(load case 6), 13=-698(load case 5)
Max Grav 2=429(load case 9), 8=791(load case 10), 13=1820(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-301/240, 3-4=-150/477, 4-5=-60/355, 5-6=-53/353, 6-7=-447/255, 7-8=-1051/360
BOT CHORD 2-14=-291/249, 13-14=-291/249, 12-13=0/95, 5-13=-392/367, 11-12=0/56, 10-11=-174/792, 9-10=-174/792, 8-9=-174/786
WEBS 3-14=-257/219, 3-13=-510/484, 11-13=-24/285, 6-13=-928/407, 6-11=-213/488, 7-11=-626/403, 7-9=0/269, 4-13=-283/225

JOINT STRESS INDEX
2 = 0.45, 3 = 0.43, 4 = 0.71, 5 = 0.39, 6 = 0.66, 7 = 0.63, 8 = 0.83, 9 = 0.34, 10 = 0.30, 11 = 0.57, 12 = 0.28, 13 = 0.26 and 14 = 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 Interior(1) 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 capable of withstanding 334 lb uplift at joint 2, 276 lb uplift at joint 8 and 698 lb uplift at joint 13.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061485

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	T08	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 09:49:45 2006 Page 1

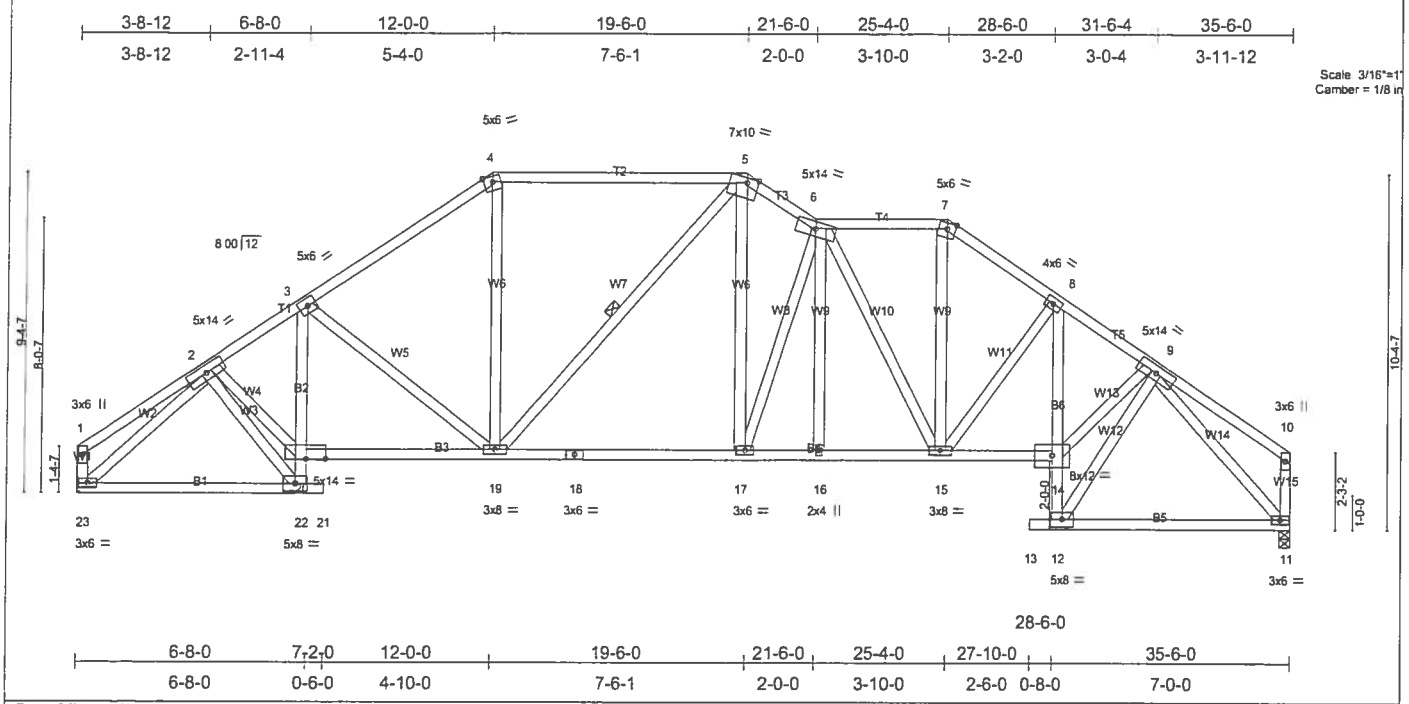


Plate Offsets (X,Y): [5:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.19	17-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.32	17-19	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.26	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 273 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 4-0-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-8-12 max.): 4-5, 6-7.
BOT CHORD Rigid ceiling directly applied or 7-11-2 oc bracing.
WEBS 1 Row at midpt 5-19

REACTIONS (lb/size) 23=1499/Mechanical, 11=1502/0-4-0
Max Horz 23=-278(load case 3)
Max Uplift23=-430(load case 5), 11=-463(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-279/127, 2-3=-2127/664, 3-4=-1872/599, 4-5=-1510/571, 5-6=-1930/674, 6-7=-1636/621, 7-8=-1984/683, 8-9=-2185/716, 9-10=-180/105, 1-23=-243/140, 10-11=-186/125
BOT CHORD 22-23=-533/1362, 21-22=0/0, 20-22=-514/1380, 3-20=-50/197, 19-20=-624/1793, 18-19=-458/1659, 17-18=-458/1659, 16-17=-467/1859, 15-16=-467/1859, 14-15=-429/1800, 12-14=-451/1650, 8-14=-71/208, 12-13=0/0, 11-12=-320/1113
WEBS 2-22=-1598/678, 2-20=-669/1854, 3-19=-381/280, 4-19=-147/629, 5-19=-343/224, 5-17=-313/865, 6-17=-710/365, 6-16=0/14, 6-15=-465/254, 7-15=-217/828, 8-15=-303/200, 9-14=-542/2176, 9-12=-1793/562, 2-23=-1670/448, 9-11=-1593/466

JOINT STRESS INDEX
1 = 0.36, 2 = 0.70, 3 = 0.62, 4 = 0.71, 5 = 0.71, 6 = 0.47, 7 = 0.48, 8 = 0.32, 9 = 0.82, 10 = 0.30, 11 = 0.59, 12 = 0.89, 14 = 0.71, 15 = 0.62, 16 = 0.34, 17 = 0.57, 18 = 0.63, 19 = 0.57, 20 = 0.89, 22 = 0.94 and 23 = 0.59

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 23 and 463 lb uplift at joint 11.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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

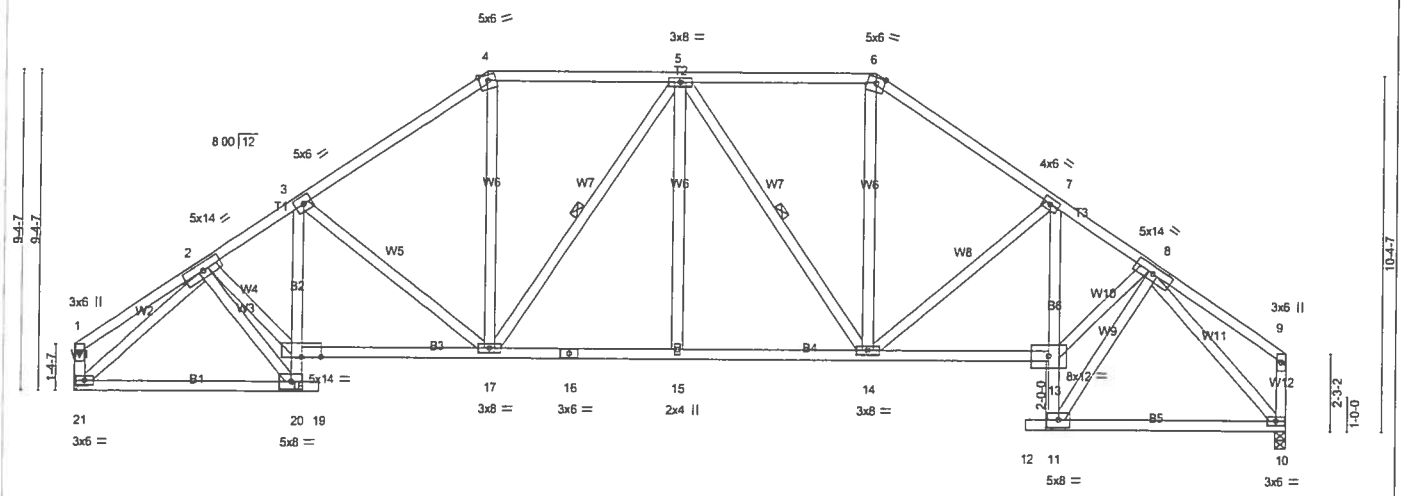
Dwg.#0915061486

Job	Truss	Truss Type	Qty	Ply	CADY HOMES–LOT 49 ROLLING MEADOWS
L210258	T09	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:09:20 2006 Page 1

3-8-12 | 6-8-0 | 12-0-0 | 17-8-0 | 23-4-0 | 28-6-0 | 31-6-4 | 35-6-0
3-8-12 | 2-11-4 | 5-4-0 | 5-8-0 | 5-8-0 | 5-2-0 | 3-0-4 | 3-11-12

Scale 3/16"=1'
Camber = 1/8 in



6-8-0 | 7-2-0 | 12-0-0 | 17-8-0 | 23-4-0 | 27-10-0 | 28-6-0 | 35-6-0
6-8-0 | 0-6-0 | 4-10-0 | 5-8-0 | 5-8-0 | 4-6-0 | 0-8-0 | 7-0-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.16	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.26	17-18	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.26	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 258 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-0-4 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 7-9-4 oc bracing.
WEBS 1 Row at midpt 5-17, 5-14

REACTIONS (lb/size) 21=1499/Mechanical, 10=1502/0-4-0
Max Horz 21=-278(load case 3)
Max Uplift21=-430(load case 5), 10=-430(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-281/128, 2-3=-2129/663, 3-4=-1866/601, 4-5=-1499/570, 5-6=-1509/561, 6-7=-1874/604, 7-8=-2198/659, 8-9=-186/108, 1-21=-245/140, 9-10=-191/130
BOT CHORD 20-21=-545/1361, 19-20=0/0, 18-20=-516/1386, 3-18=-46/197, 17-18=-648/1803, 16-17=-518/1653, 15-16=-518/1653, 14-15=-518/1653, 13-14=-417/1833, 11-13=-402/1684, 7-13=-58/258, 11-12=0/0, 10-11=-290/1110
WEBS 2-20=-1606/680, 2-18=-682/1869, 3-17=-407/284, 4-17=-153/679, 5-17=-389/294, 5-15=0/148, 5-14=-372/289, 6-14=-157/687, 7-14=-440/279, 8-13=-518/2234, 8-11=-1835/503, 2-21=-1668/447, 8-10=-1584/421

JOINT STRESS INDEX
1 = 0.36, 2 = 0.71, 3 = 0.75, 4 = 0.54, 5 = 0.58, 6 = 0.53, 7 = 0.73, 8 = 0.85, 9 = 0.31, 10 = 0.60, 11 = 0.87, 13 = 0.73, 14 = 0.58, 15 = 0.34, 16 = 0.60, 17 = 0.58, 18 = 0.90, 20 = 0.94 and 21 = 0.59

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 21 and 430 lb uplift at joint 10.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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

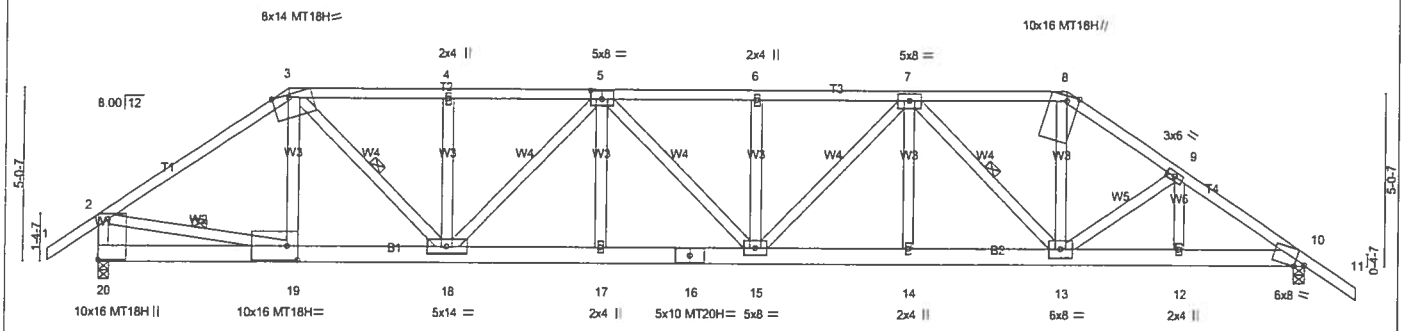
Dwg.#0915061487

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T13	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:12:18 2006 Page 1

-1-6-0	5-6-0	10-1-7	14-7-2	19-0-14	23-6-9	28-2-0	31-5-9	35-2-0	36-8-0
1-6-0	5-6-0	4-7-7	4-5-11	4-5-11	4-5-11	4-7-7	3-3-9	3-8-7	1-6-0

Scale 3/16"=1'
Camber = 1/4 in



5-6-0	10-1-7	14-7-2	19-0-14	23-6-9	28-2-0	31-5-9	35-2-0
5-6-0	4-7-7	4-5-11	4-5-11	4-5-11	4-7-7	3-3-9	3-8-7

Plate Offsets (X,Y): [3:0-6-0,Edge], [5:0-4-0,0-3-0], [8:0-1-13,Edge], [10:0-3-7,Edge], [19:0-3-8,0-5-0], [20:Edge,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	0.41	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	-0.61	15-17	>687	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.98	Horz(TL)	0.14	10	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 245 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 *Except*
W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-4-6 oc bracing.
WEBS 1 Row at midpt 3-18, 7-13, 2-19

REACTIONS (lb/size) 20=3170/0-4-0, 10=3110/0-4-0
Max Horz 20=-185(load case 2)
Max Uplift20=-1789(load case 3), 10=-1730(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-4080/2442, 3-4=-5099/3165, 4-5=-5098/3166, 5-6=-6156/3806, 6-7=-6156/3806, 7-8=-4122/2560, 8-9=-4885/2970, 9-10=-4978/2883, 10-11=0/47, 2-20=-3040/1770
BOT CHORD 19-20=-311/334, 18-19=-2075/3321, 17-18=-3715/6030, 16-17=-3715/6030, 15-16=-3715/6030, 14-15=-3335/5537, 13-14=-3335/5537, 12-13=-2297/4044, 10-12=-2297/4044
WEBS 3-19=0/120, 3-18=-1654/2559, 4-18=-544/616, 5-18=-1362/872, 5-17=0/312, 5-15=-136/204, 6-15=-511/557, 7-15=-603/927, 7-14=0/296, 7-13=-2087/1364, 8-13=-1291/2296, 9-13=-236/116, 9-12=-39/97, 2-19=-1932/3042

JOINT STRESS INDEX
2 = 0.00, 3 = 0.88, 4 = 0.36, 5 = 0.83, 6 = 0.34, 7 = 0.51, 8 = 0.67, 9 = 0.43, 10 = 0.91, 12 = 0.34, 13 = 0.58, 14 = 0.34, 15 = 0.44, 16 = 0.82, 17 = 0.34, 18 = 0.97, 19 = 0.19 and 20 = 0.74

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; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) 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 1789 lb uplift at joint 20 and 1730 lb uplift at joint 10.
7) Girder carries hip end with 7-0-0 right side setback, 5-6-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 410 lb up at 28-2-0, and 424 lb down and 323 lb up at 5-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-2=-54, 2-3=-54, 3-8=-117(F=-63), 8-11=-54, 19-20=-30, 13-19=-65(F=-35), 10-13=-30
Concentrated Loads (lb)
Vert: 19=-424(F) 13=-539(F)

SEPTEMBER 15, 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.#0915061488

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T13T	HIP	1	2	Job Reference (optional)

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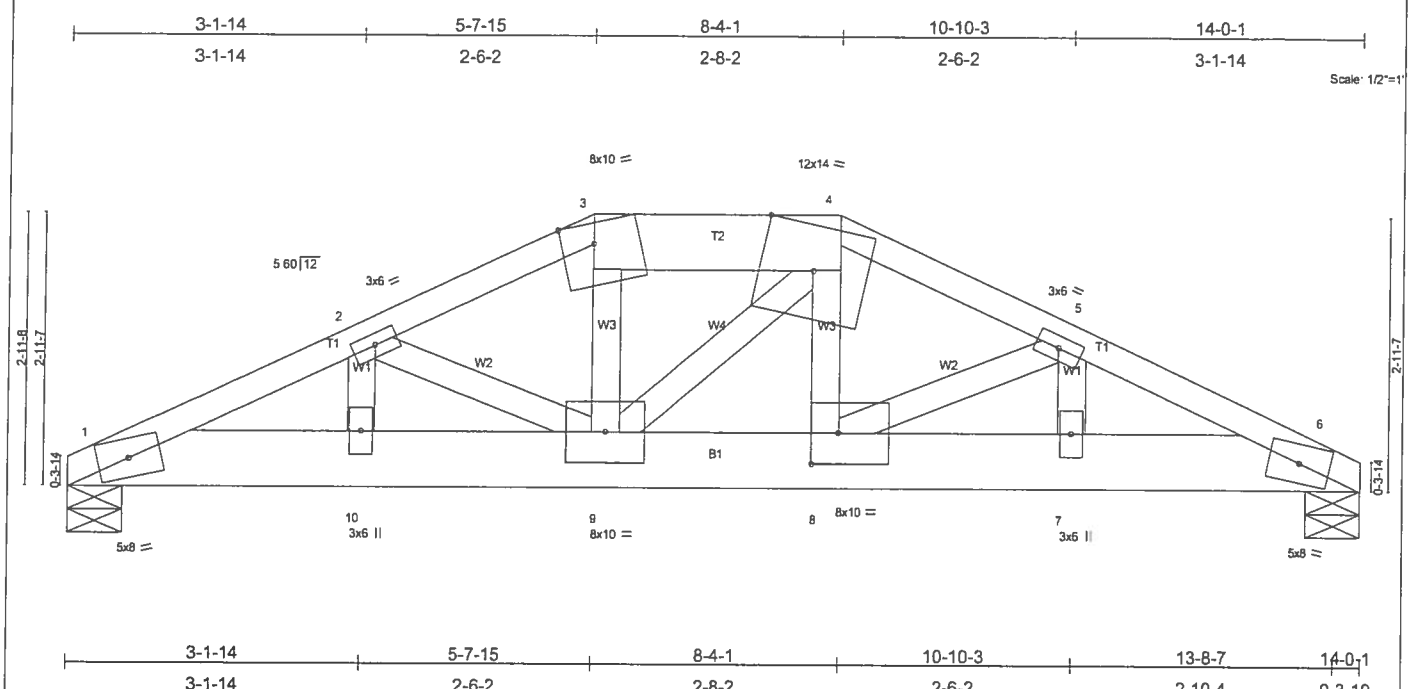


Plate Offsets (X,Y): [3:0-4-3,Edge], [8:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.09	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.15	8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 10, 7

REACTIONS (lb/size) 1=5277/0-7-2, 6=5276/0-7-3
Max Horz 1=34(load case 4)
Max Uplift1=-1985(load case 4), 6=-1985(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8945/3361, 2-3=-7950/3010, 3-4=-7459/2852, 4-5=-7798/2957, 5-6=-8981/3375
BOT CHORD 1-10=-3042/8074, 9-10=-3042/8074, 8-9=-2699/7308, 7-8=-3021/8107, 6-7=-3021/8107
WEBS 2-10=-325/941, 2-9=-903/371, 3-9=-1096/2948, 4-9=-104/273, 4-8=-1042/2792, 5-8=-1097/444, 5-7=-375/1082

JOINT STRESS INDEX
1 = 0.92, 2 = 0.35, 3 = 0.70, 4 = 0.89, 5 = 0.40, 6 = 0.92, 7 = 0.18, 8 = 0.29, 9 = 0.28 and 10 = 0.15

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows 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) Unbalanced roof live loads have been considered for this design.
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; 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 1985 lb uplift at joint 1 and 1985 lb uplift at joint 6.
8) Girder carries tie-in span(s): 34-6-0 from 0-0-0 to 14-0-1
9) Girder carries hip end with 5-8-0 right side setback, 5-7-15 left side setback, and 4-0-0 end setback.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 198 lb down and 99 lb up at 8-4-1, and 198 lb down and 99 lb up at 5-7-15 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: 1-3=-54, 3-4=-73(F=-19), 4-6=-54, 1-9=-700(F=-670), 8-9=-711(F=-681), 6-8=-700(F=-670)
Concentrated Loads (lb)
Vert: 9=-198(F) 8=-198(F)

SEPTEMBER 15, 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

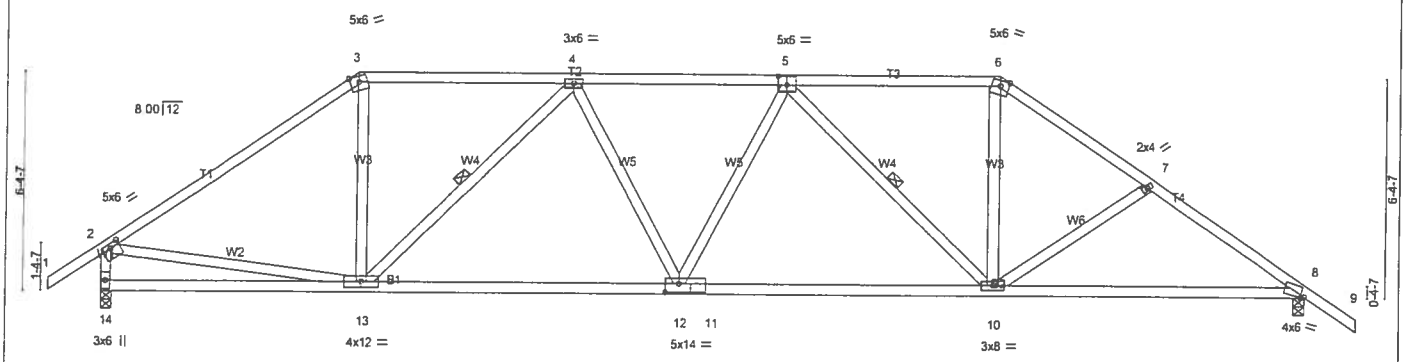
Dwg.#0915061489

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T14	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:17:31 2006 Page 1

-1-6-0	7-6-0	13-8-11	19-11-5	26-2-0	30-5-9	35-2-0	36-8-0
1-6-0	7-6-0	6-2-11	6-2-11	6-2-11	4-3-9	4-8-7	1-6-0

Scale 3/16"=1'
Camber = 1/8 in



7-6-0	16-10-0	26-2-0	35-2-0
7-6-0	9-4-0	9-4-0	9-0-0

Plate Offsets (X,Y): [2:0-3-0,0-1-8], [5:0-3-0,0-3-0], [8:0-1-5,Edge], [11:0-4-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.22	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.37	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 197 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 3-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-3 oc bracing.
WEBS 1 Row at midpt 4-13, 5-10

REACTIONS (lb/size) 14=1553/0-4-0, 8=1554/0-4-0
Max Horz 14=-208(load case 3)
Max Uplift14=-486(load case 5), 8=-505(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1862/637, 3-4=-1468/595, 4-5=-2101/806, 5-6=-1652/656, 6-7=-2025/729, 7-8=-2211/746, 8-9=0/45, 2-14=-1445/527
BOT CHORD 13-14=-275/307, 12-13=-817/1994, 11-12=-785/2065, 10-11=-785/2065, 8-10=-528/1777
WEBS 3-13=-211/655, 4-13=-817/490, 4-12=-37/260, 5-12=-5/126, 5-10=-655/434, 6-10=-199/797, 7-10=-176/209, 2-13=-541/1187

JOINT STRESS INDEX
2 = 0.86, 3 = 0.74, 4 = 0.45, 5 = 0.55, 6 = 0.52, 7 = 0.34, 8 = 0.85, 10 = 0.57, 11 = 1.00, 12 = 0.00, 13 = 0.43 and 14 = 0.50

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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 486 lb uplift at joint 14 and 505 lb uplift at joint 8.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061490

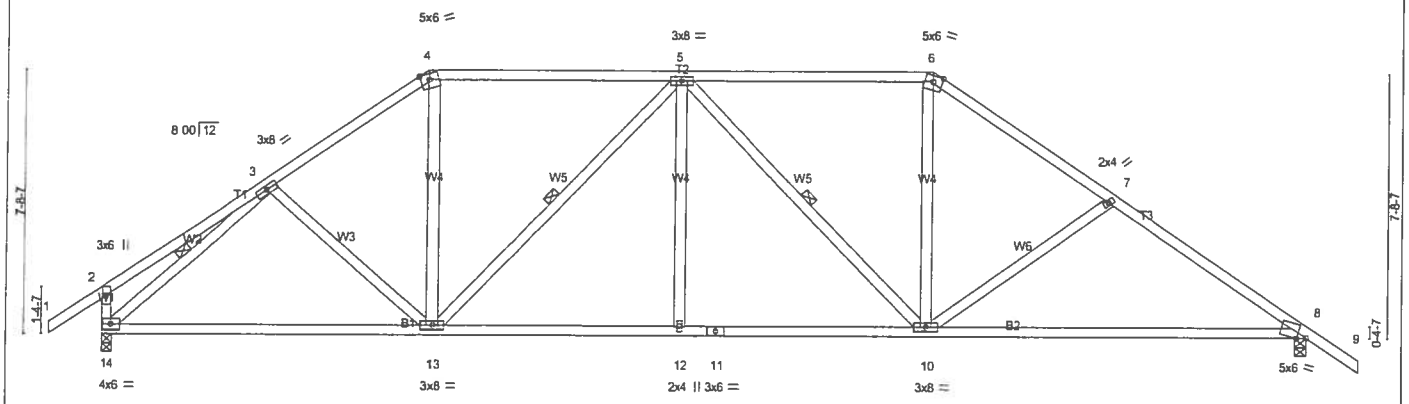
Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T15	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:18:13 2006 Page 1

-1-6-0 | 4-10-12 | 9-6-0 | 16-10-0 | 24-2-0 | 29-5-9 | 35-2-0 | 36-8-0

1-6-0 | 4-10-12 | 4-7-4 | 7-4-0 | 7-4-0 | 5-3-9 | 5-8-7 | 1-6-0

Scale: 3/16"=1'
Camber = 1/4 in



9-6-0 | 16-10-0 | 24-2-0 | 35-2-0

9-6-0 | 7-4-0 | 7-4-0 | 11-0-0

Plate Offsets (X,Y): [8:0-3-1,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	0.79	Vert(LL)	-0.37	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.63	8-10	>667	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 207 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 3-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-11-9 oc bracing.
WEBS 1 Row at midpt 5-13, 5-10, 3-14

REACTIONS (lb/size) 14=1553/0-4-0, 8=1554/0-4-0
Max Horz 14=-255(load case 3)
Max Uplift14=-504(load case 5), 8=-522(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-424/140, 3-4=-1731/561, 4-5=-1405/522, 5-6=-1535/552, 6-7=-1909/600, 7-8=-2153/633, 8-9=0/45, 2-14=-429/254
BOT CHORD 13-14=-559/1352, 12-13=-615/1752, 11-12=-615/1752, 10-11=-615/1752, 8-10=-418/1733
WEBS 3-13=-165/175, 4-13=-121/585, 5-13=-576/359, 5-12=0/171, 5-10=-415/332, 6-10=-132/685, 7-10=-262/270, 3-14=-1447/458

JOINT STRESS INDEX
2 = 0.34, 3 = 0.33, 4 = 0.62, 5 = 0.57, 6 = 0.60, 7 = 0.34, 8 = 0.89, 10 = 0.57, 11 = 0.57, 12 = 0.34, 13 = 0.57 and 14 = 0.77

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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 504 lb uplift at joint 14 and 522 lb uplift at joint 8.

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.#0915061491

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T16	HIP	1	1	Job Reference (optional)

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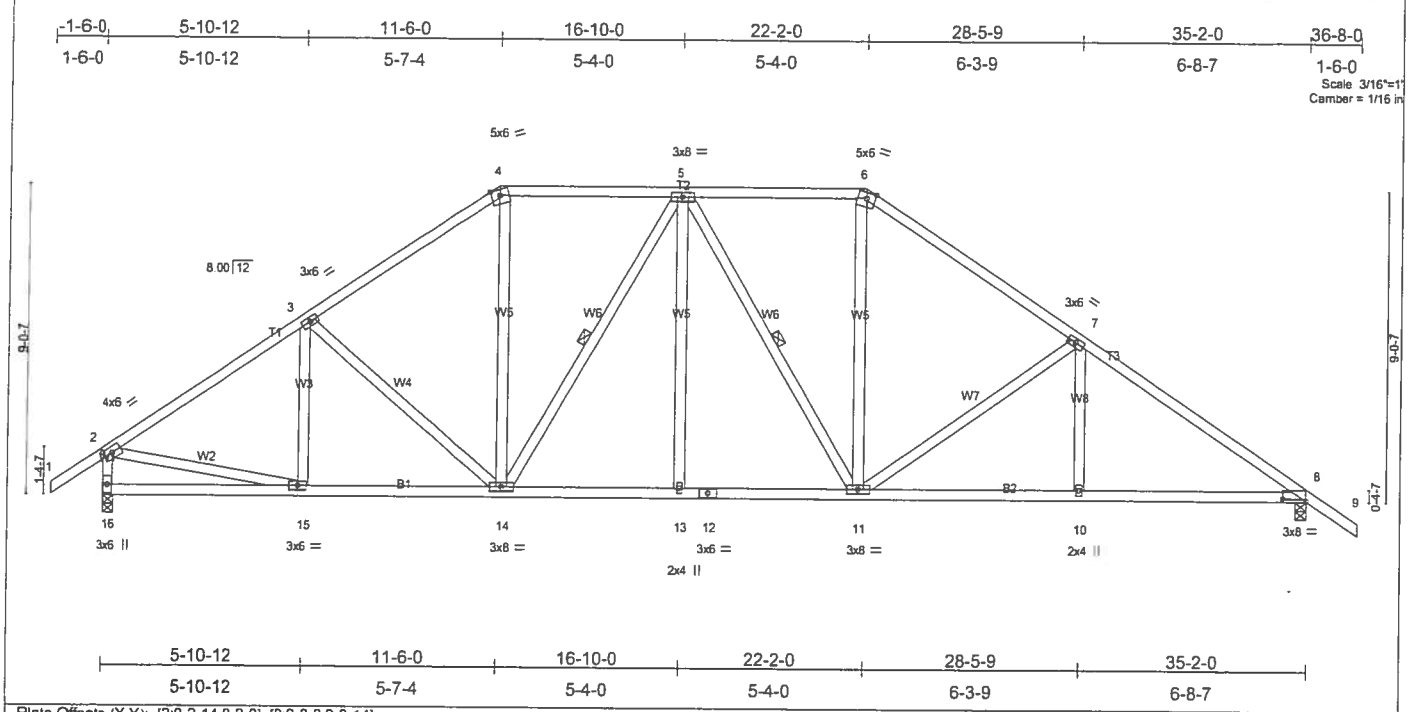

5-10-12	11-6-0	16-10-0	22-2-0	28-5-9	35-2-0
5-10-12	5-7-4	5-4-0	5-4-0	6-3-9	6-8-7

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

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)	-0.12	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.19	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 230 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 3-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-14 oc bracing.
WEBS 1 Row at midpt 5-14, 5-11

REACTIONS (lb/size) 16=1553/0-4-0, 8=1554/0-4-0
Max Horz 16=-301(load case 3)
Max Uplift16=-520(load case 5), 8=-536(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1815/529, 3-4=-1644/555, 4-5=-1307/527, 5-6=-1383/552, 6-7=-1749/572, 7-8=-2249/634, 8-9=0/45, 2-16=-1459/533
BOT CHORD 15-16=-317/338, 14-15=-507/1435, 13-14=-428/1465, 12-13=-428/1465, 11-12=-428/1465, 10-11=-347/1775, 8-10=-347/1775
WEBS 3-15=-89/93, 3-14=-202/221, 4-14=-139/558, 5-14=-412/282, 5-13=0/145, 5-11=-292/265, 6-11=-138/597, 7-11=-496/318, 7-10=0/222, 2-15=-276/1285

JOINT STRESS INDEX
2 = 0.70, 3 = 0.43, 4 = 0.50, 5 = 0.60, 6 = 0.54, 7 = 0.43, 8 = 0.83, 10 = 0.34, 11 = 0.60, 12 = 0.48, 13 = 0.34, 14 = 0.60, 15 = 0.71 and 16 = 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 interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 520 lb uplift at joint 16 and 536 lb uplift at joint 8.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061492

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T17	HIP	1	1	Job Reference (optional)

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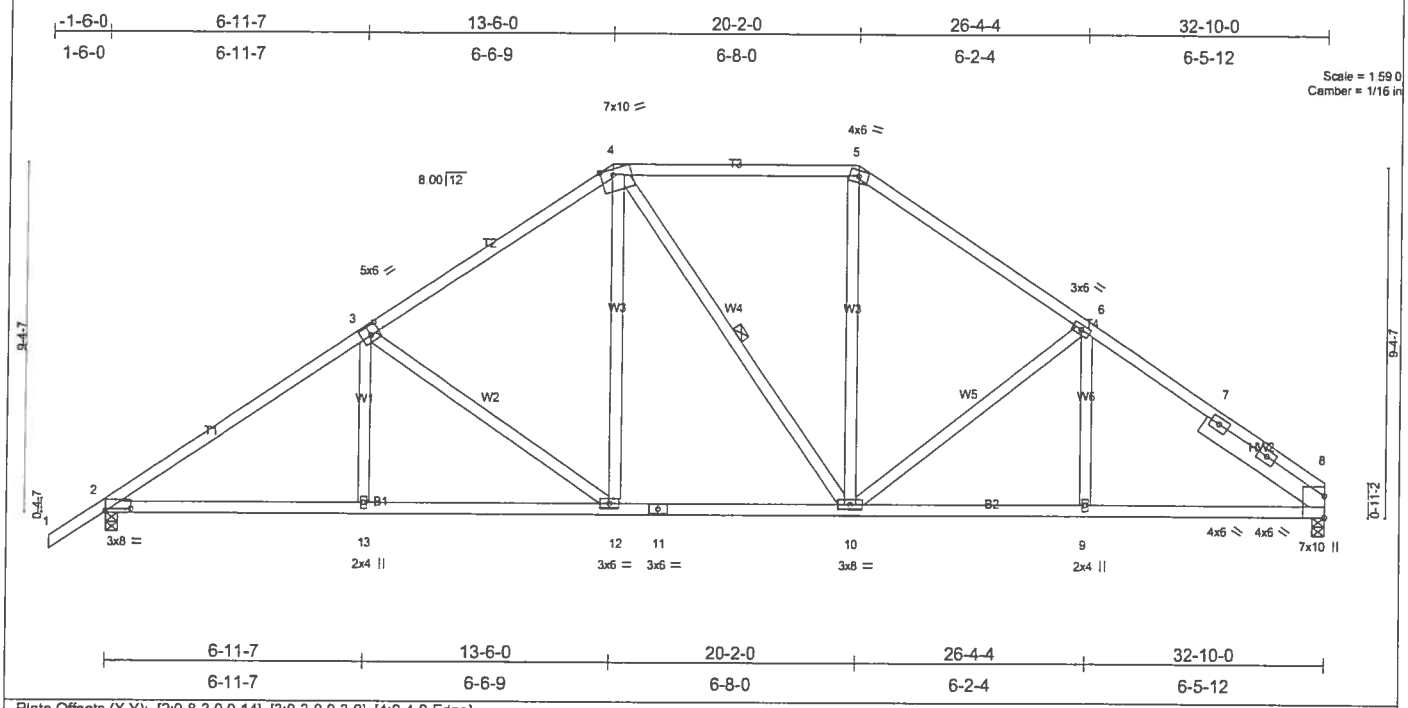


Plate Offsets (X,Y): [2:0-8-3,0-0-14], [3:0-3-0,0-3-0], [4:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.11	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.19	2-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 197 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 Right 2 X 6 SYP No.1D 3-11-9

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-8-11 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS (lb/size) 8=1370/0-4-0, 2=1464/0-4-0
Max Horz 2=337(load case 4)
Max Uplift8=-413(load case 6), 2=-517(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2082/597, 3-4=-1561/528, 4-5=-1208/518, 5-6=-1525/525, 6-7=-1833/572, 7-8=-1939/549
BOT CHORD 2-13=-500/1635, 12-13=-500/1632, 11-12=-345/1221, 10-11=-345/1221, 9-10=-331/1473, 8-9=-331/1473
WEBS 3-13=0/233, 3-12=-514/335, 4-12=-153/486, 4-10=-180/183, 5-10=-129/427, 6-10=-357/295, 6-9=0/181

JOINT STRESS INDEX
2 = 0.77, 3 = 0.76, 4 = 0.58, 5 = 0.77, 6 = 0.43, 7 = 0.00, 8 = 0.45, 8 = 0.35, 8 = 0.35, 9 = 0.34, 10 = 0.58, 11 = 0.41, 12 = 0.35 and 13 = 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 interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 413 lb uplift at joint 8 and 517 lb uplift at joint 2.

LOAD CASE(S) Standard

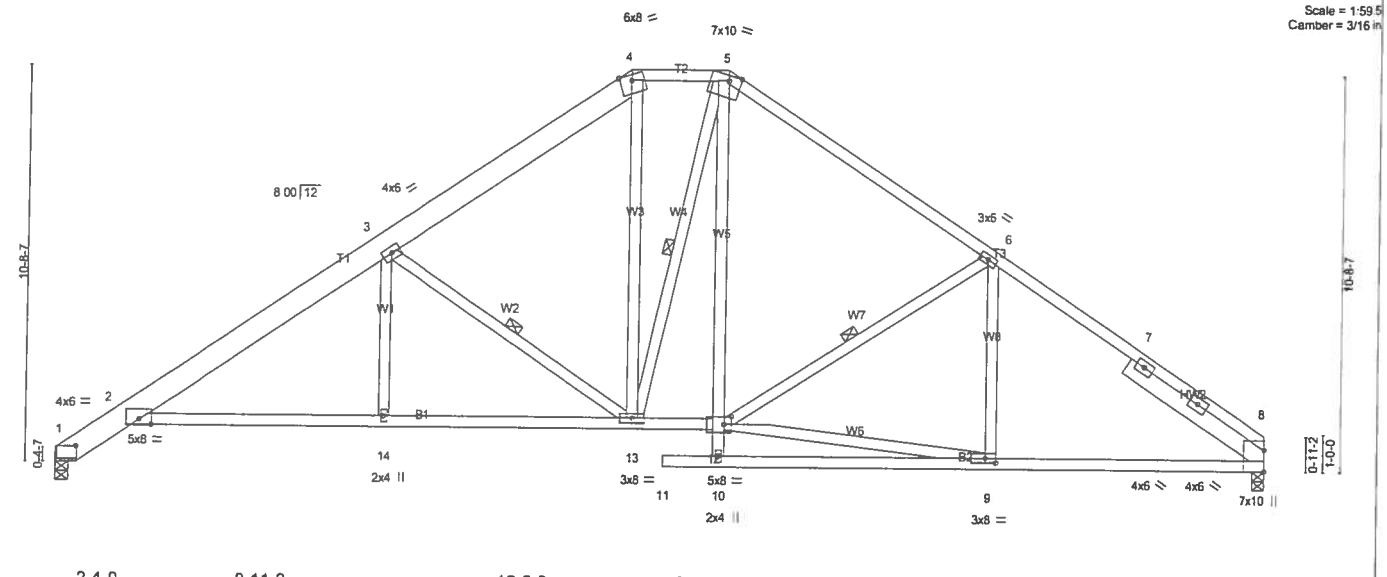
SEPTEMBER 15, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0915061493

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T18	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:26:17 2006 Page 1



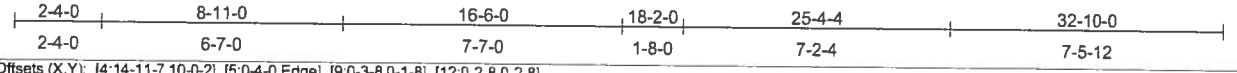


Plate Offsets (X,Y): [4:14-11-7,10-0-2], [5:0-4-0,Edge], [9:0-3-8,0-1-8], [12:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.32	2-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.52	2-14	>754	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.27	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 239 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except* B1 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 6 SYP No.1D 4-6-12

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 6-12, 5-13
JOINTS 1 Brace at Jt(s): 14, 13

REACTIONS (lb/size) 1=1358/0-4-0, 8=1393/0-4-0
Max Horz 1=364(load case 4)
Max Uplift1=-425(load case 5), 8=-421(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-649/311, 2-3=-2363/709, 3-4=-1648/560, 4-5=-1235/526, 5-6=-1572/545, 6-7=-1847/574, 7-8=-1949/548
BOT CHORD 2-14=-637/2054, 13-14=-637/2055, 12-13=-185/1240, 10-11=0/0, 9-10=-2/45, 8-9=-324/1496
WEBS 3-14=0/275, 3-13=-1019/546, 4-13=-287/754, 10-12=0/145, 5-12=-185/505, 6-12=-365/325, 6-9=0/98, 5-13=-217/227, 9-12=-325/1463

JOINT STRESS INDEX
2 = 0.65, 3 = 0.32, 4 = 0.42, 4 = 0.00, 5 = 0.64, 6 = 0.43, 7 = 0.00, 8 = 0.45, 8 = 0.36, 8 = 0.36, 9 = 0.56, 10 = 0.34, 12 = 0.67, 13 = 0.69 and 14 = 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 Interior(1) 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 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 425 lb uplift at joint 1 and 421 lb uplift at joint 8.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061494

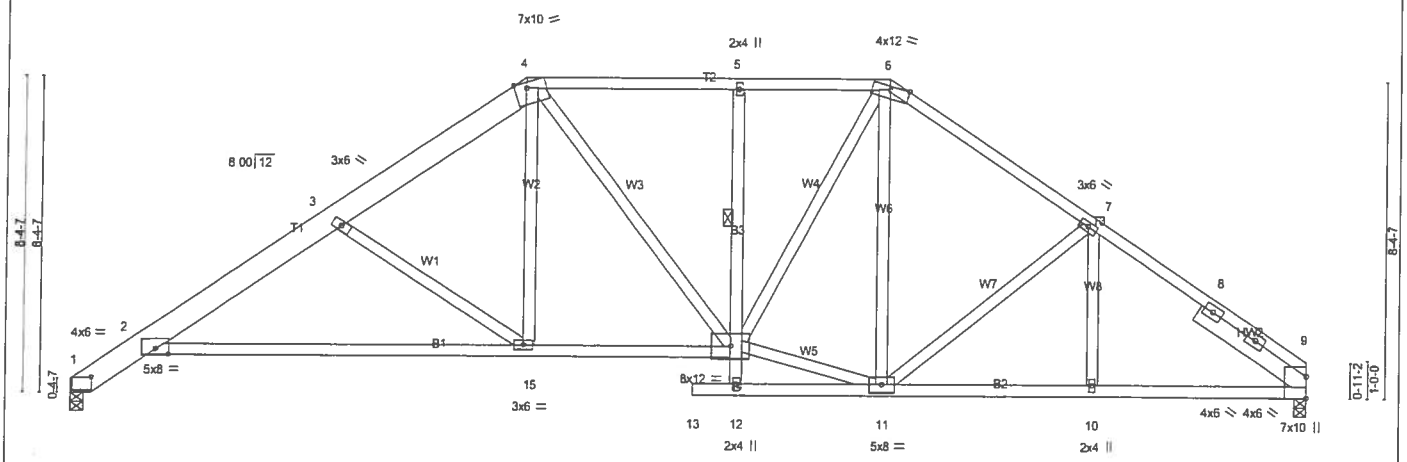
Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T19	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:25:49 2006 Page 1

-1-6-0 | 2-4-0 | 7-2-0 | 12-0-0 | 17-6-0 | 21-8-0 | 27-1-4 | 32-10-0

1-6-0 | 2-4-0 | 4-10-0 | 4-10-0 | 5-6-0 | 4-2-0 | 5-5-4 | 5-8-12

Scale = 1:58.2
Camber = 5/16 in



2-4-0 | 12-0-0 | 16-6-0 | 17-6-0 | 21-8-0 | 27-1-4 | 32-10-0

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

Plate Offsets (X,Y): [4:0-4-0,Edge], [4:11-5-6,7-8-5]

LOADING (psf)		SPACING 2-0-0		CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.43	2-15	>917	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.71	2-15	>552	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.25	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 223 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 6 SYP No.1D 3-6-2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-14 oc purlins, except 2-0-0 oc purlins (4-8-8 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
8-11-9 oc bracing: 14-15.
1 Row at midpt 2-15, 5-14

REACTIONS (lb/size) 1=1355/0-4-0, 9=1389/0-4-0
Max Horz 1=283(load case 4)
Max Uplift1=-406(load case 5), 9=-401(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-647/289, 2-3=-2459/746, 3-4=-2007/602, 4-5=-1628/565, 5-6=-1615/563, 6-7=-1612/533, 7-8=-1883/557, 8-9=-1978/536
BOT CHORD 2-15=-757/2240, 14-15=-497/1569, 12-14=0/89, 5-14=-227/232, 12-13=0/0, 11-12=-32/99, 10-11=-336/1503, 9-10=-336/1503
WEBS 3-15=-822/457, 4-15=-210/748, 4-14=-220/209, 11-14=-262/1236, 6-14=-354/697, 6-11=-93/182, 7-11=-280/249, 7-10=0/153

JOINT STRESS INDEX
2 = 0.72, 3 = 0.19, 4 = 0.52, 4 = 0.00, 5 = 0.42, 6 = 0.86, 7 = 0.43, 8 = 0.00, 9 = 0.45, 9 = 0.36, 9 = 0.36, 10 = 0.34, 11 = 0.58, 12 = 0.45, 14 = 0.46 and 15 = 0.49

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 Interior(1) 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 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 406 lb uplift at joint 1 and 401 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 15, 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.#0915061495

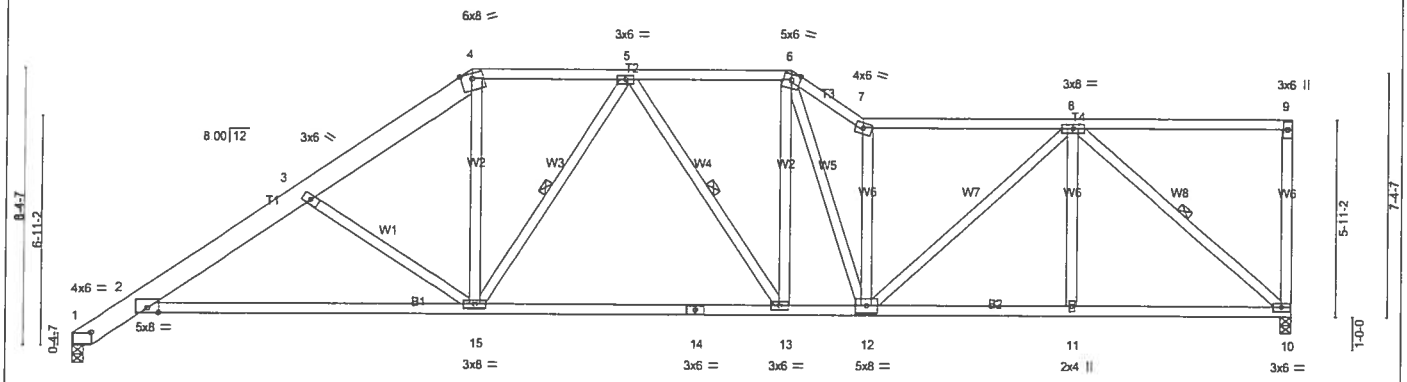
Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T20	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:26:47 2006 Page 1

-1-6-0, 2-4-0, 7-2-0, 12-0-0, 16-10-0, 21-8-0, 23-10-0, 30-2-4, 36-10-0

1-6-0, 2-4-0, 4-10-0, 4-10-0, 4-10-0, 4-10-0, 2-2-0, 6-4-4, 6-7-12

Scale = 1:66.3
Camber = 5/16 in



2-4-0, 12-0-0, 21-8-0, 23-10-0, 30-2-4, 36-10-0

2-4-0, 9-8-0, 9-8-1, 2-2-0, 6-4-4, 6-7-12

Plate Offsets (X,Y): [4:11-5-4,7-8-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.46	2-15	>952	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.76	2-15	>578	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.28	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 246 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-11-0 max.): 4-6, 7-9.
BOT CHORD Rigid ceiling directly applied or 7-1-3 oc bracing. Except:
1 Row at midpt 2-15
WEBS 1 Row at midpt 5-15, 5-13, 8-10
JOINTS 1 Brace at Jt(s): 9

REACTIONS (lb/size) 1=1500/0-4-0, 10=1533/0-4-0
Max Horz 1=326(load case 5)
Max Uplift1=-429(load case 5), 10=-634(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-717/118, 2-3=-2788/912, 3-4=-2314/799, 4-5=-1823/699, 5-6=-1958/731, 6-7=-2797/1063, 7-8=-2268/866, 8-9=-36/16, 9-10=-158/130
BOT CHORD 2-15=-1014/2535, 14-15=-793/1958, 13-14=-793/1958, 12-13=-736/1953, 11-12=-612/1515, 10-11=-612/1515
WEBS 3-15=-881/521, 4-15=-286/1024, 5-15=-356/270, 5-13=-153/102, 6-13=-40/338, 6-12=-477/1156, 7-12=-1723/701, 8-12=-344/1017, 8-11=0/215, 8-10=-1958/788

JOINT STRESS INDEX
2 = 0.63, 3 = 0.20, 4 = 0.64, 4 = 0.00, 5 = 0.43, 6 = 0.74, 7 = 0.84, 8 = 1.00, 9 = 0.33, 10 = 0.61, 11 = 0.34, 12 = 0.68, 13 = 0.43, 14 = 0.81 and 15 = 0.59

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 Interior(1) 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 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 429 lb uplift at joint 1 and 634 lb uplift at joint 10.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061496

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T21	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:30:20 2006 Page 1

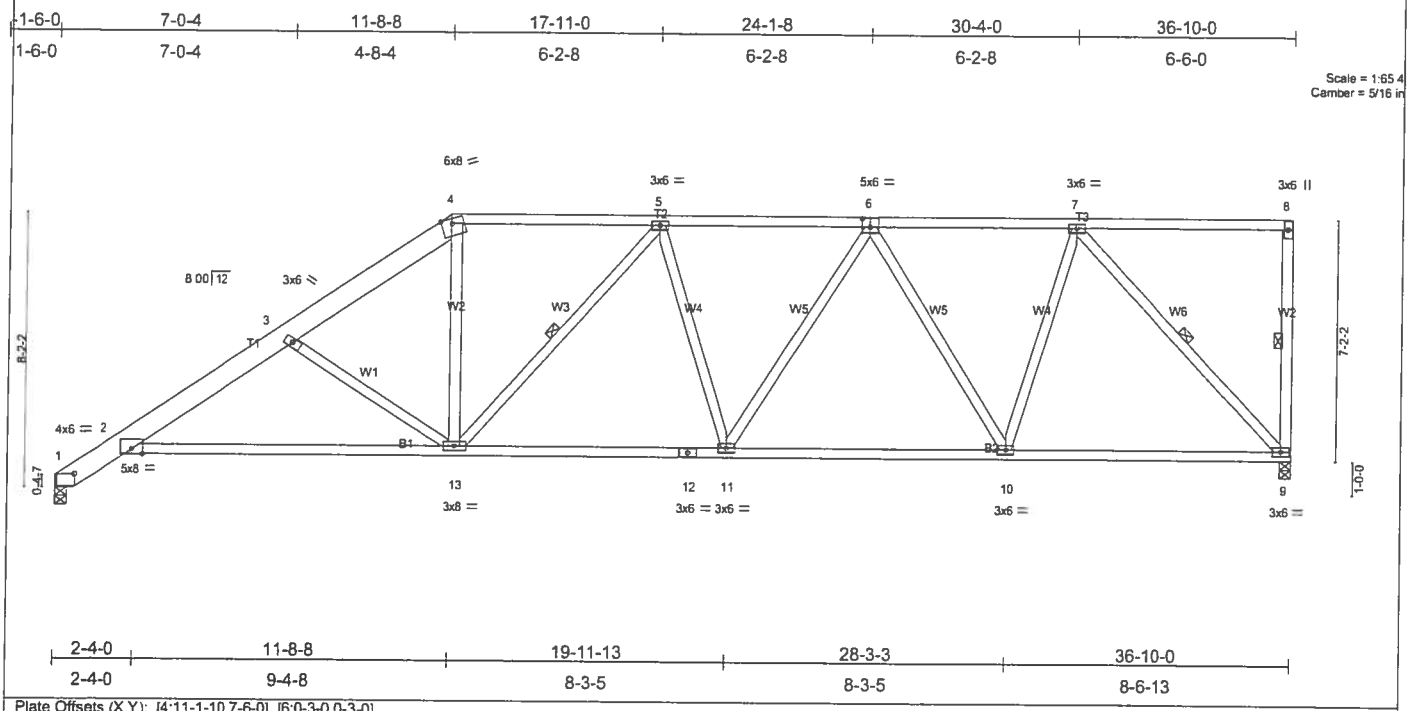


Plate Offsets (X,Y): [4:11-1-10,7-6-0], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.44	2-13	>993	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.73	2-13	>602	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.28	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 231 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins, except end verticals, and 2-0-0 oc purlins (4-3-4 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing. Except:
1 Row at midpt 2-13
WEBS 1 Row at midpt 8-9, 5-13, 7-9
JOINTS 1 Brace at Jt(s): 8

REACTIONS (lb/size) 1=1500/0-4-0, 9=1533/0-4-0
Max Horz 1=363(load case 5)
Max Uplift1=-419(load case 5), 9=-620(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-717/114, 2-3=-2805/849, 3-4=-2340/727, 4-5=-1855/640, 5-6=-2027/718, 6-7=-1463/541, 7-8=-35/10, 8-9=-160/129
BOT CHORD 2-13=-1046/2555, 12-13=-749/2051, 11-12=-749/2051, 10-11=-695/1844, 9-10=-481/1193
WEBS 3-13=-868/514, 4-13=-241/1003, 5-13=-302/338, 5-11=-82/149, 6-11=-109/356, 6-10=-740/328, 7-10=-234/939, 7-9=-1707/694

JOINT STRESS INDEX
2 = 0.58, 3 = 0.20, 4 = 0.65, 4 = 0.00, 5 = 0.51, 6 = 0.46, 7 = 0.89, 8 = 0.34, 9 = 0.68, 10 = 0.89, 11 = 0.51, 12 = 0.73 and 13 = 0.57

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 Interior(1) 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) 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 419 lb uplift at joint 1 and 620 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 15, 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

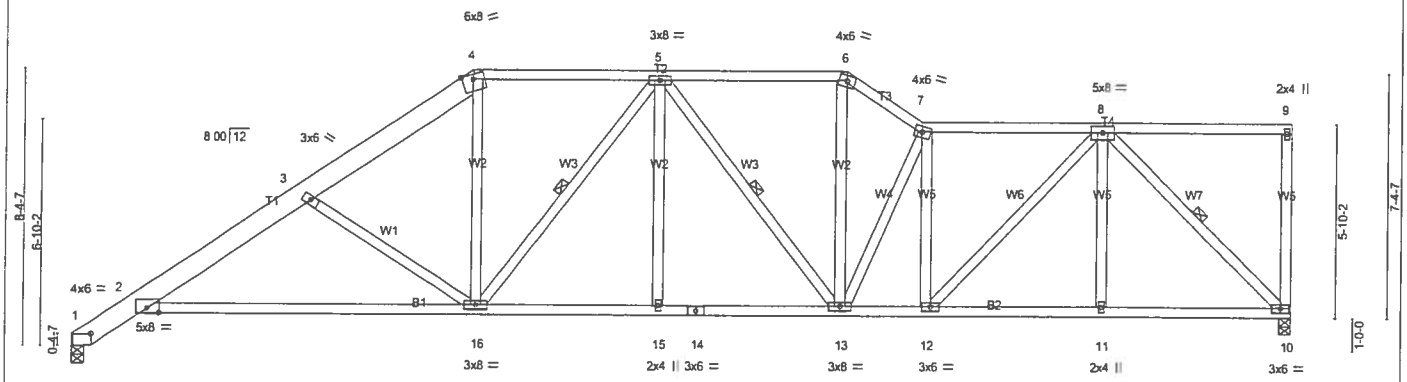
Dwg.#0915061497

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T22	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:31:22 2006 Page 1

-1-6-0 2-4-0 7-2-0 12-0-0 17-8-0 23-4-0 25-7-8 31-1-0 36-10-0
1-6-0 2-4-0 4-10-0 4-10-0 5-8-0 5-8-0 2-3-8 5-5-8 5-9-0

Scale = 1:66.3
Camber = 5/16 in



2-4-0 12-0-0 17-8-0 23-4-0 25-7-8 31-1-0 36-10-0
2-4-0 9-8-0 5-8-0 5-8-0 2-3-8 5-5-8 5-9-0

Plate Offsets (X,Y): [4:11-5-7,7-8-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.48	2-16	>915	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.79	2-16	>553	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.28	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 253 lb	

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

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

REACTIONS (lb/size) 1=1500/0-4-0, 10=1533/0-4-0
Max Horz 1=323(load case 5)
Max Uplift1=-429(load case 5), 10=-624(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-717/128, 2-3=-2779/919, 3-4=-2307/810, 4-5=-1821/712, 5-6=-1869/703, 6-7=-2236/835, 7-8=-2127/802, 8-9=-27/12, 9-10=-136/112
BOT CHORD 2-16=-1019/2529, 15-16=-802/1997, 14-15=-802/1997, 13-14=-802/1997, 12-13=-810/2145, 11-12=-539/1355, 10-11=-539/1355
WEBS 3-16=-877/514, 4-16=-268/997, 5-16=-401/268, 5-15=0/126, 5-13=-334/151, 6-13=-340/981, 7-13=-736/268, 7-12=-712/295, 8-12=-381/1116, 8-11=0/181, 8-10=-1869/741

JOINT STRESS INDEX
2 = 0.72, 3 = 0.20, 4 = 0.64, 4 = 0.00, 5 = 0.58, 6 = 0.60, 7 = 0.66, 8 = 0.53, 9 = 0.86, 10 = 0.60, 11 = 0.34, 12 = 0.73, 13 = 0.64, 14 = 0.74, 15 = 0.34 and 16 = 0.58

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 Interior(1) 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 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 429 lb uplift at joint 1 and 624 lb uplift at joint 10.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061498

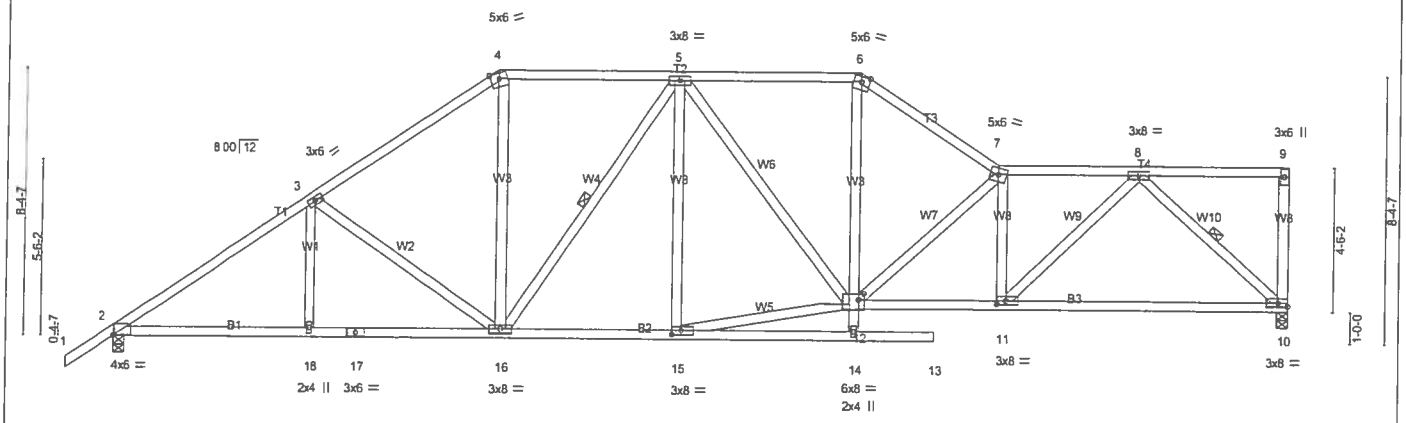
Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T23	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:40:18 2006 Page 1

1-6-0 | 6-2-7 | 12-0-0 | 17-8-0 | 23-4-0 | 27-7-8 | 32-1-0 | 36-10-0

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

Scale = 1:68.7
Camber = 1/8 in



6-2-7 | 12-0-0 | 17-8-0 | 23-4-0 | 25-8-0 | 27-7-8 | 36-10-0

6-2-7 | 5-9-9 | 5-8-0 | 5-8-0 | 2-4-0 | 1-11-8 | 9-2-8

Plate Offsets (X,Y): [2:0-0-7,0-0-2], [11:0-3-8,0-1-8], [12:0-2-0,0-2-4], [15:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.20	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.34	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.12	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 244 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 3-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins (3-9-14 max.): 4-6, 7-9.
BOT CHORD Rigid ceiling directly applied or 7-6-1 oc bracing.
WEBS 1 Row at midpt 5-16, 8-10
JOINTS 1 Brace at Jt(s): 9

REACTIONS (lb/size) 10=1578/0-4-0, 2=1649/0-4-0
Max Horz 2=342(load case 5)
Max Uplift10=-529(load case 4), 2=-530(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2430/626, 3-4=-1980/607, 4-5=-1586/556, 5-6=-1939/623, 6-7=-2387/693, 7-8=-2595/730, 8-9=-63/3, 9-10=-125/89
BOT CHORD 2-18=-695/1927, 17-18=-695/1927, 16-17=-695/1927, 15-16=-625/1802, 14-15=-6/55, 13-14=0/0, 11-12=-740/2624, 10-11=-510/1502
WEBS 3-18=0/200, 3-16=-439/286, 4-16=-150/738, 5-16=-491/281, 5-15=-150/141, 5-12=-55/270, 12-14=0/168, 6-12=-282/1000, 7-12=-954/275, 7-11=-838/308, 8-11=-365/1529, 8-10=-1951/687, 12-15=-629/1773

JOINT STRESS INDEX
2 = 0.80, 3 = 0.43, 4 = 0.54, 5 = 0.58, 6 = 0.59, 7 = 0.64, 8 = 0.94, 9 = 0.29, 10 = 0.54, 11 = 0.87, 12 = 0.87, 14 = 0.34, 15 = 0.68, 16 = 0.58, 17 = 0.64 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 Interior(1) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 529 lb uplift at joint 10 and 530 lb uplift at joint 2.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

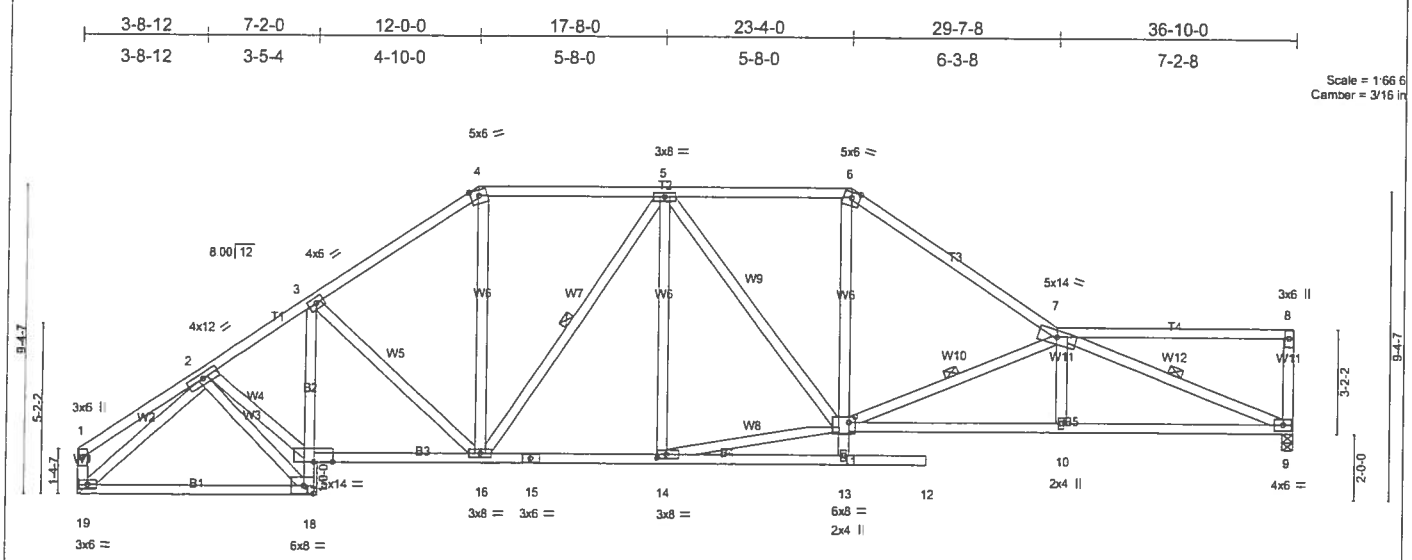
LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061499

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T24	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:45:05 2006 Page 1


3-8-12
7-2-0
12-0-0
17-8-0
23-4-0
29-7-8
36-10-0
3-8-12
3-5-4
4-10-0
5-8-0
5-8-0
6-3-8
7-2-8
Scale = 1:66.6
Camber = 3/16 in
5x6
3x8
5x6
8.00 12
4x6
4x12
5x14
3x6 II
9-4-7
5-2-2
1-4-7
3-2-2
2-0-0
W1
W2
W3
W4
W5
W6
W7
W8
W9
W10
W11
W12
T1
T2
T3
T4
B1
B2
B3
B4
B5
3x6 II
5x14
3x8
3x6
6x8
2x4 II
2x4 II
4x6
19
18
16
15
14
13
12
10
9
3x6
6x8

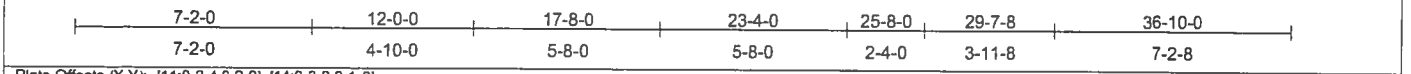


Plate Offsets (X,Y): [11:0-2-4,0-2-0], [14:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0.30	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-0.48	10-11	>910	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.21	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 256 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 3-9-14 oc purlins, except end verticals , and 2-0-0 oc purlins (4-4-7 max.): 4-6, 7-8.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-16, 7-11, 7-9
JOINTS 1 Brace at Jt(s): 8

REACTIONS (lb/size) 9=1581/0-4-0, 19=1558/Mechanical
Max Horz 19=261(load case 4)
Max Uplift9=-448(load case 4), 19=-432(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-296/115, 2-3=-2215/690, 3-4=-1973/633, 4-5=-1597/586, 5-6=-1950/650, 6-7=-2441/707, 7-8=-131/74, 8-9=-200/181, 1-19=-251/131
BOT CHORD 18-19=-594/1419, 17-18=-506/1249, 3-17=-71/182, 16-17=-677/1850, 15-16=-594/1807, 14-15=-594/1807, 13-14=-5/56, 12-13=0/0, 10-11=-901/3238, 9-10=-898/3248
WEBS 2-18=-1552/713, 2-17=-708/1833, 3-16=-370/288, 4-16=-178/755, 5-16=-481/287, 5-14=-157/140, 5-11=-67/283, 11-13=0/169, 6-11=-280/963, 7-11=-1411/441, 7-10=0/213, 7-9=-3365/928, 2-19=-1729/472, 11-14=-598/1778

JOINT STRESS INDEX
1 = 0.36, 2 = 0.98, 3 = 0.63, 4 = 0.52, 5 = 0.58, 6 = 0.65, 7 = 0.83, 8 = 0.65, 9 = 0.95, 10 = 0.34, 11 = 0.94, 13 = 0.34, 14 = 0.69, 15 = 0.59, 16 = 0.58, 17 = 0.79, 18 = 0.64 and 19 = 0.65

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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 448 lb uplift at joint 9 and 432 lb uplift at joint 19.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061500

Job	Truss	Truss Type	Qty	Ply	0 0
L210258	T25	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:50:22 2006 Page 1

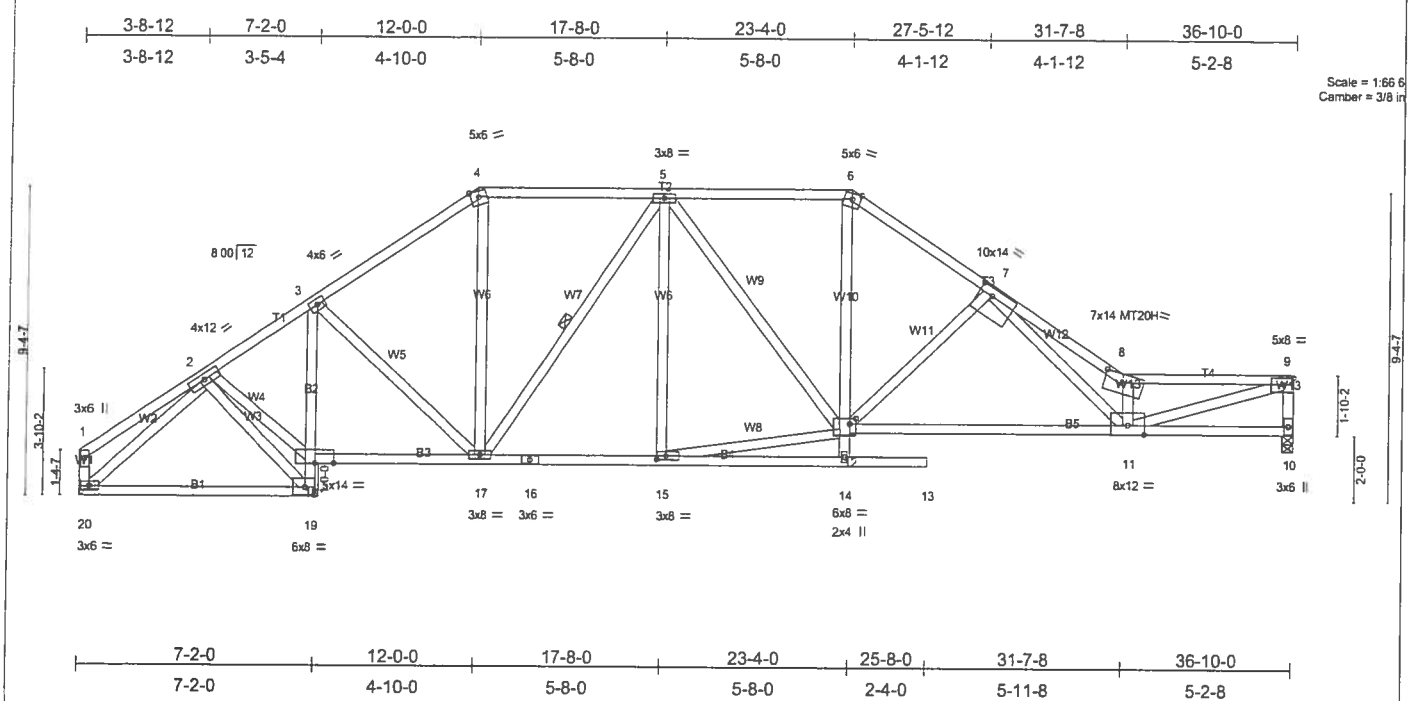


Plate Offsets (X,Y): [7:0-4-14,0-2-13], [8:0-7-0,0-3-6], [12:0-2-4,0-2-0], [15:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.84	Vert(LL)	-0.58	11-12	>755	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.95	11-12	>460	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.18	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 256 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D *Except*
B5 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W10 2 X 4 SYP No.1D, W14 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-4 oc bracing.
WEBS 1 Row at midpt 5-17

REACTIONS (lb/size) 10=1581/0-4-0, 20=1558/Mechanical
Max Horz 20=266(load case 4)
Max Uplift10=-361(load case 5), 20=-437(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-292/117, 2-3=-2216/685, 3-4=-1974/634, 4-5=-1596/587, 5-6=-1939/643, 6-7=-2407/723, 7-8=-5600/1518, 8-9=-4351/1127, 9-10=-1495/422, 1-20=-249/131
BOT CHORD 19-20=-563/1420, 18-19=-465/1209, 3-18=-64/177, 17-18=-654/1848, 16-17=-555/1809, 15-16=-555/1809, 14-15=-7/65, 13-14=0/0, 11-12=-679/2564, 10-11=-96/231
WEBS 2-19=-1495/656, 2-18=-661/1773, 3-17=-369/284, 4-17=-183/761, 5-17=-485/296, 5-15=-156/132, 5-12=-54/262, 12-14=0/171, 6-12=-248/1042, 7-12=-872/329, 8-11=-3227/949, 9-11=-1096/4320, 2-20=-1734/476, 7-11=-763/2969, 12-15=-556/1771

JOINT STRESS INDEX
1 = 0.36, 2 = 0.94, 3 = 0.73, 4 = 0.51, 5 = 0.58, 6 = 0.60, 7 = 0.40, 8 = 0.93, 9 = 0.95, 10 = 0.45, 11 = 0.91, 12 = 0.92, 14 = 0.34, 15 = 0.68, 16 = 0.59, 17 = 0.58, 18 = 0.76, 19 = 0.66 and 20 = 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 Interior(1) 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 plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 10 and 437 lb uplift at joint 20.

LOAD CASE(S) Standard

SEPTEMBER 15, 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

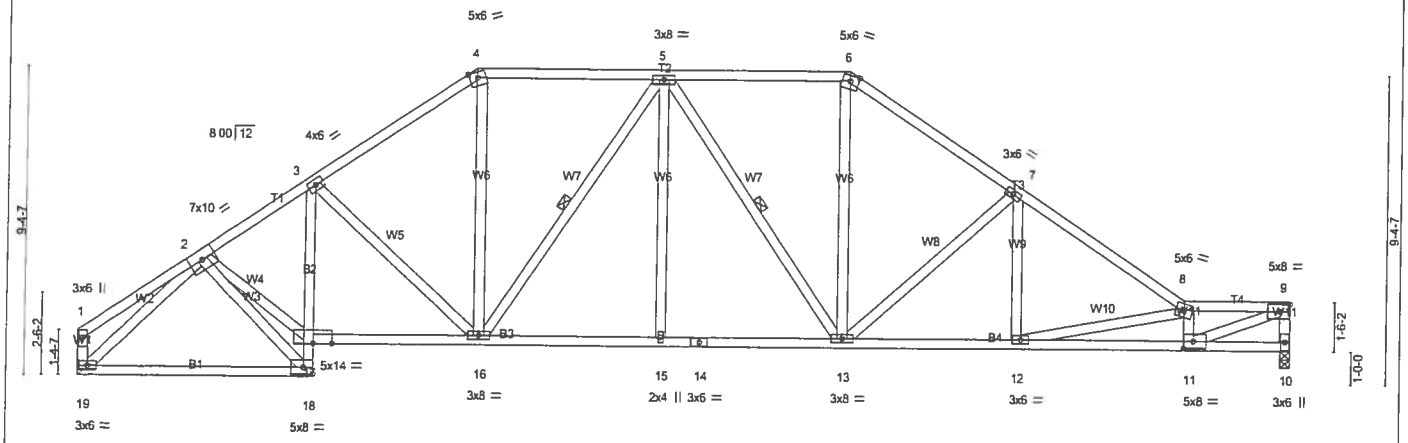
Dwg.#0915061501

Job	Truss	Truss Type	Qty	Ply	CADY HOMES LOT 49 ROLLING MEADOWS
L210258	T26	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 11:30:21 2006 Page 1

3-8-12	7-2-0	12-0-0	17-8-0	23-4-0	28-5-12	33-7-8	36-10-0
3-8-12	3-5-4	4-10-0	5-8-0	5-8-0	5-1-12	5-1-12	3-2-8

Scale = 1:66.6
Camber = 1/8 in



7-2-0	12-0-0	17-8-0	23-4-0	28-5-12	33-7-8	36-10-0
7-2-0	4-10-0	5-8-0	5-8-0	5-1-12	5-1-12	3-2-8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.21	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.34	13-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.73	Horz(TL)	0.17	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 249 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 *Except*
W12 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals, and 2-0-0 oc purlins (3-3-7 max.): 4-6, 8-9.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-16, 5-13
JOINTS 1 Brace at Jt(s): 9

REACTIONS (lb/size) 10=1535/0-3-8, 19=1535/Mechanical
Max Horz 19=272(load case 4)
Max Uplift10=-367(load case 5), 19=-445(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-289/112, 2-3=-2178/693, 3-4=-1932/640, 4-5=-1562/594, 5-6=-1643/608, 6-7=-2038/666, 7-8=-2643/757, 8-9=-3339/939, 9-10=-1426/412, 1-19=-245/127
BOT CHORD 18-19=-557/1385, 17-18=-457/1174, 3-17=-58/183, 16-17=-649/1817, 15-16=-542/1758, 14-15=-542/1758, 13-14=-542/1758, 12-13=-566/2165, 11-12=-992/3495, 10-11=-57/185
WEBS 2-18=-1485/661, 2-17=-670/1776, 3-16=-372/280, 4-16=-185/735, 5-16=-456/305, 5-15=0/159, 5-13=-335/275, 6-13=-202/797, 7-13=-713/278, 7-12=-76/505, 8-12=-1366/437, 8-11=-1299/434, 9-11=-965/3418, 2-19=-1696/489

JOINT STRESS INDEX
1 = 0.35, 2 = 0.60, 3 = 0.60, 4 = 0.51, 5 = 0.58, 6 = 0.50, 7 = 0.43, 8 = 0.71, 9 = 0.73, 10 = 0.41, 11 = 0.77, 12 = 0.39, 13 = 0.58, 14 = 0.60, 15 = 0.34, 16 = 0.58, 17 = 0.74, 18 = 0.78 and 19 = 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 Interior(1) 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) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 367 lb uplift at joint 10 and 445 lb uplift at joint 19.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

SEPTEMBER 15, 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.#0915061502

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T27	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:56:38 2006 Page 1

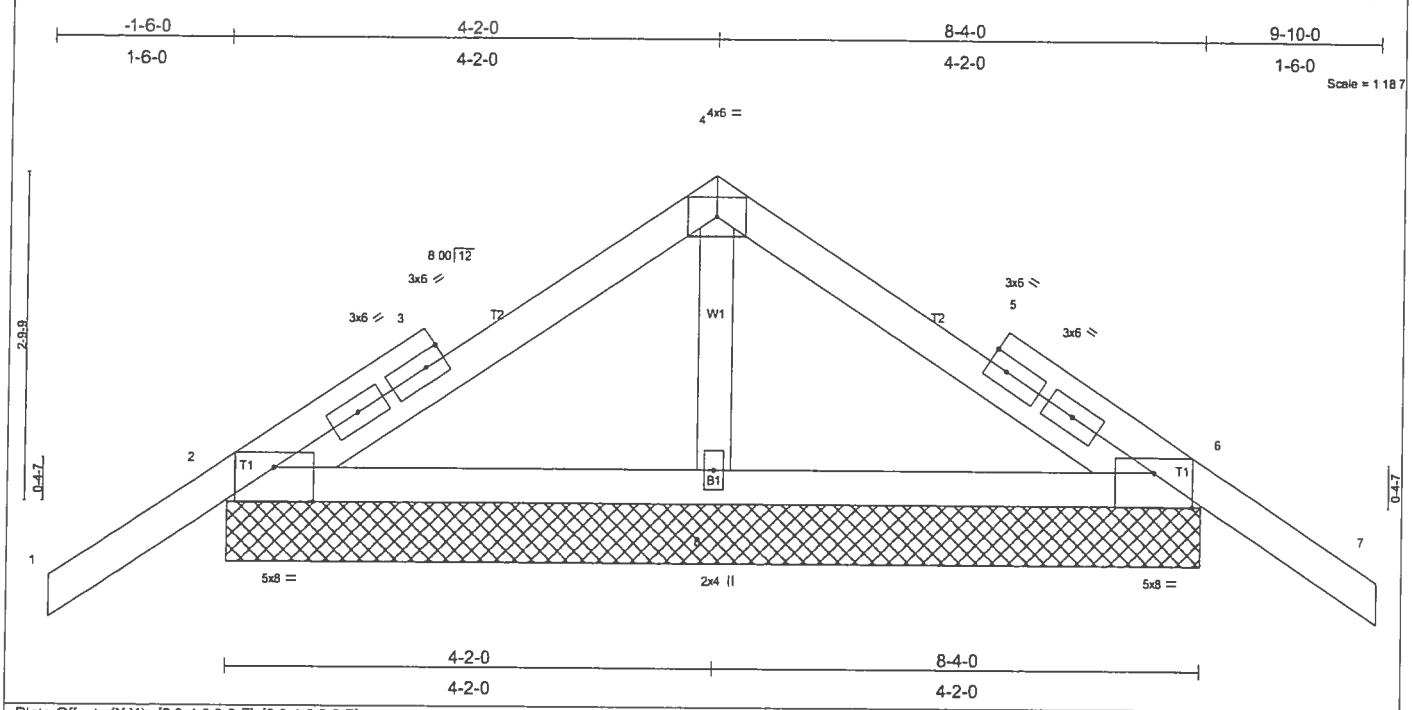


Plate Offsets (X,Y): [2:0-4-0,0-3-7], [6:0-4-0,0-3-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.00	6-7	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.09	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 41 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 8-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=310/8-4-0, 6=310/8-4-0, 8=616/8-4-0
Max Horz 2=-91(load case 3)
Max Uplift2=-185(load case 5), 6=-199(load case 6), 8=-179(load case 5)
Max Grav 2=325(load case 9), 6=325(load case 10), 8=616(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3/70, 2-3=-39/81, 3-4=-40/190, 4-5=-26/190, 5-6=-22/81, 6-7=-3/70
BOT CHORD 2-8=-73/127, 6-8=-73/127
WEBS 4-8=-465/196

JOINT STRESS INDEX
2 = 0.57, 3 = 0.00, 3 = 0.26, 3 = 0.26, 4 = 0.55, 5 = 0.00, 5 = 0.26, 5 = 0.26, 6 = 0.57 and 8 = 0.17

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) Gable requires continuous bottom chord bearing.
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 185 lb uplift at joint 2, 199 lb uplift at joint 6 and 179 lb uplift at joint 8.
6) 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=-87(F=-33), 4-7=-87(F=-33), 2-6=-30

SEPTEMBER 15, 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.#0915061503

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T28	COMMON	11	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:53:51 2006 Page 1

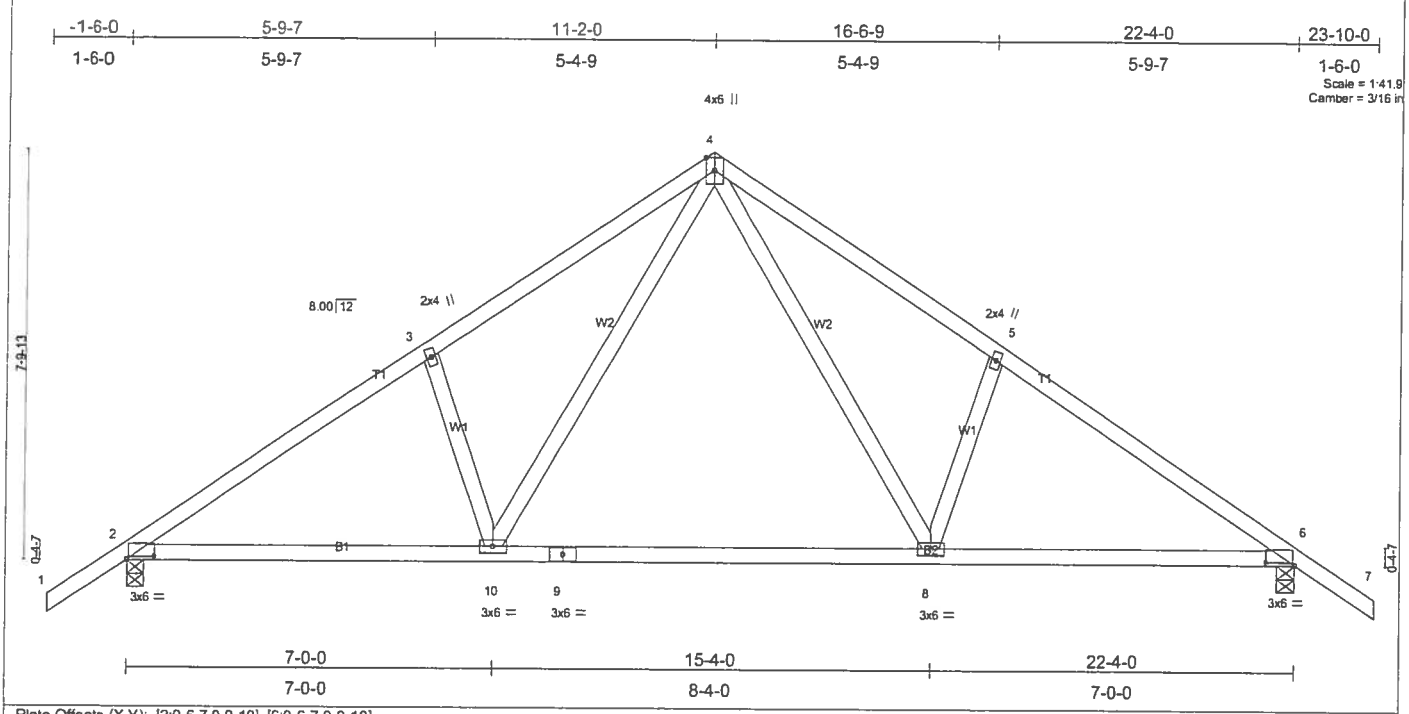


Plate Offsets (X,Y): [2:0-6-7,0-0-10], [6:0-6-7,0-0-10]

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)	-0.30	8-10	>870	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.49	8-10	>534	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.45	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 115 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1222/0-4-0, 6=1222/0-4-0
Max Horz 2=-265(load case 3)
Max Uplift2=-468(load case 5), 6=-468(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1730/542, 3-4=-1620/642, 4-5=-1620/643, 5-6=-1730/542, 6-7=0/45
BOT CHORD 2-10=-424/1350, 9-10=-172/890, 8-9=-172/890, 6-8=-337/1350
WEBS 3-10=-238/270, 4-10=-346/824, 4-8=-346/824, 5-8=-238/270

JOINT STRESS INDEX
2 = 0.77, 3 = 0.34, 4 = 0.51, 5 = 0.34, 6 = 0.77, 8 = 0.66, 9 = 0.32 and 10 = 0.66

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 Interior(1) 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 468 lb uplift at joint 2 and 468 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 15, 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.#0915061504

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T28G	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:56:26 2006 Page 1

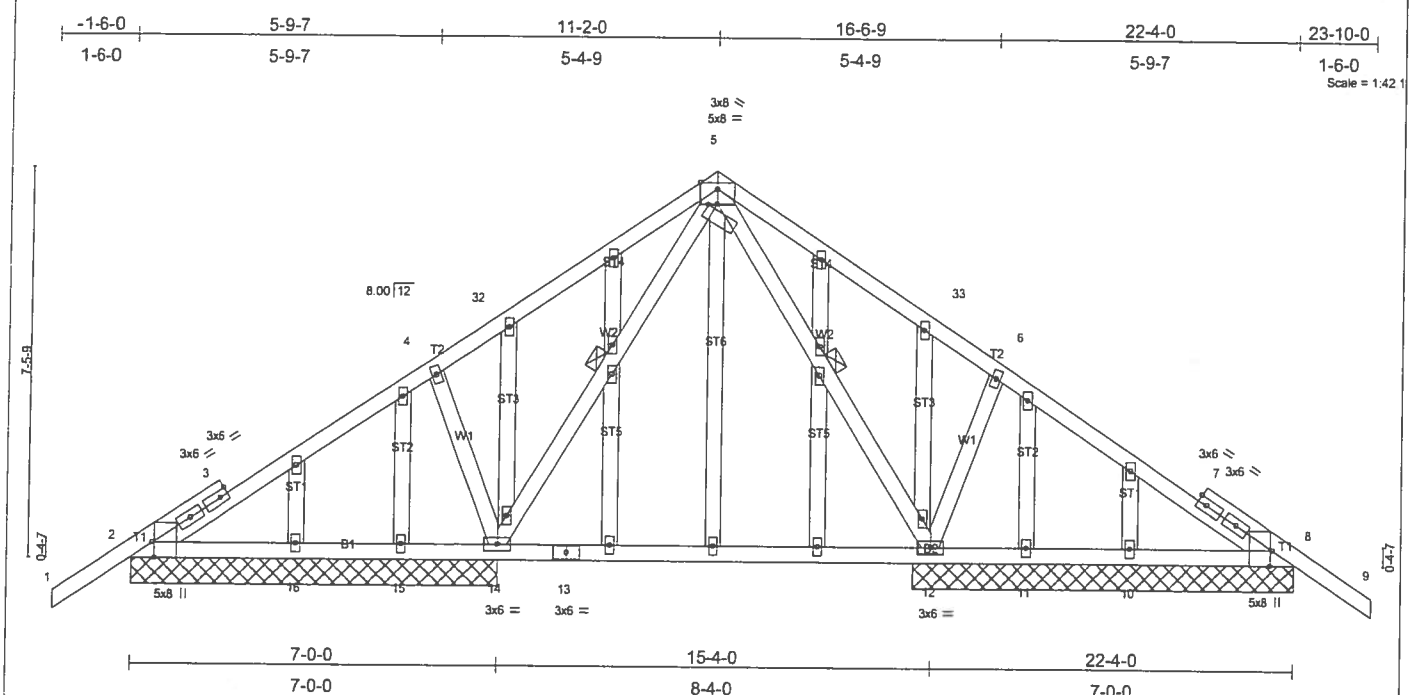

Plate Offsets (X,Y): [2:0-3-8,Edge], [5:0-1-12,0-1-4], [8:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.07	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.13	12-14	>797	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.17	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 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 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 12-14.
WEBS 1 Row at midpt 5-14, 5-12

REACTIONS (lb/size) 2=350/7-0-0, 8=350/7-4-0, 14=1117/7-0-0, 12=1117/7-4-0, 15=-105/7-0-0, 16=188/7-0-0, 11=-105/7-4-0, 10=188/7-4-0
Max Horz 2=-253(load case 3)
Max Uplift2=-157(load case 5), 8=-178(load case 6), 14=-442(load case 5), 12=-420(load case 6), 15=-105(load case 1), 16=-23(load case 6), 11=-105(load case 1), 10=-22(load case 6)
Max Grav 2=361(load case 9), 8=361(load case 10), 14=1117(load case 1), 12=1117(load case 1), 15=4(load case 6), 16=188(load case 1), 11=3(load case 6), 10=188(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3/70, 2-3=-134/109, 3-4=-126/168, 4-32=-72/104, 5-32=-78/383, 5-33=-38/383, 6-33=-3/85, 6-7=-67/169, 7-8=-107/31, 8-9=-3/70
BOT CHORD 2-16=-75/223, 15-16=-75/223, 14-15=-75/223, 13-14=-50/227, 12-13=-50/227, 11-12=-21/188, 10-11=-21/188, 8-10=-21/188
WEBS 4-14=-470/349, 5-14=-494/187, 5-12=-494/187, 6-12=-470/350

JOINT STRESS INDEX
2 = 0.36, 3 = 0.00, 3 = 0.35, 3 = 0.35, 4 = 0.34, 5 = 0.76, 5 = 0.54, 6 = 0.34, 7 = 0.00, 7 = 0.35, 7 = 0.35, 8 = 0.36, 10 = 0.34, 11 = 0.34, 12 = 0.49, 13 = 0.15, 14 = 0.49, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34, 23 = 0.34, 24 = 0.34, 25 = 0.34, 26 = 0.34, 27 = 0.34, 27 = 0.34, 28 = 0.34, 29 = 0.34, 30 = 0.34 and 31 = 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 157 lb uplift at joint 2, 178 lb uplift at joint 8, 442 lb uplift at joint 14, 420 lb uplift at joint 12, 105 lb uplift at joint 15, 23 lb uplift at joint 16, 105 lb uplift at joint 11 and 22 lb uplift at joint 10.
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: 1-32=-87(F=-33), 5-32=-114(F=-60), 5-33=-114(F=-60), 9-33=-87(F=-33), 2-8=-30

SEPTEMBER 15, 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.#0915061505

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T29	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:56:13 2006 Page 1

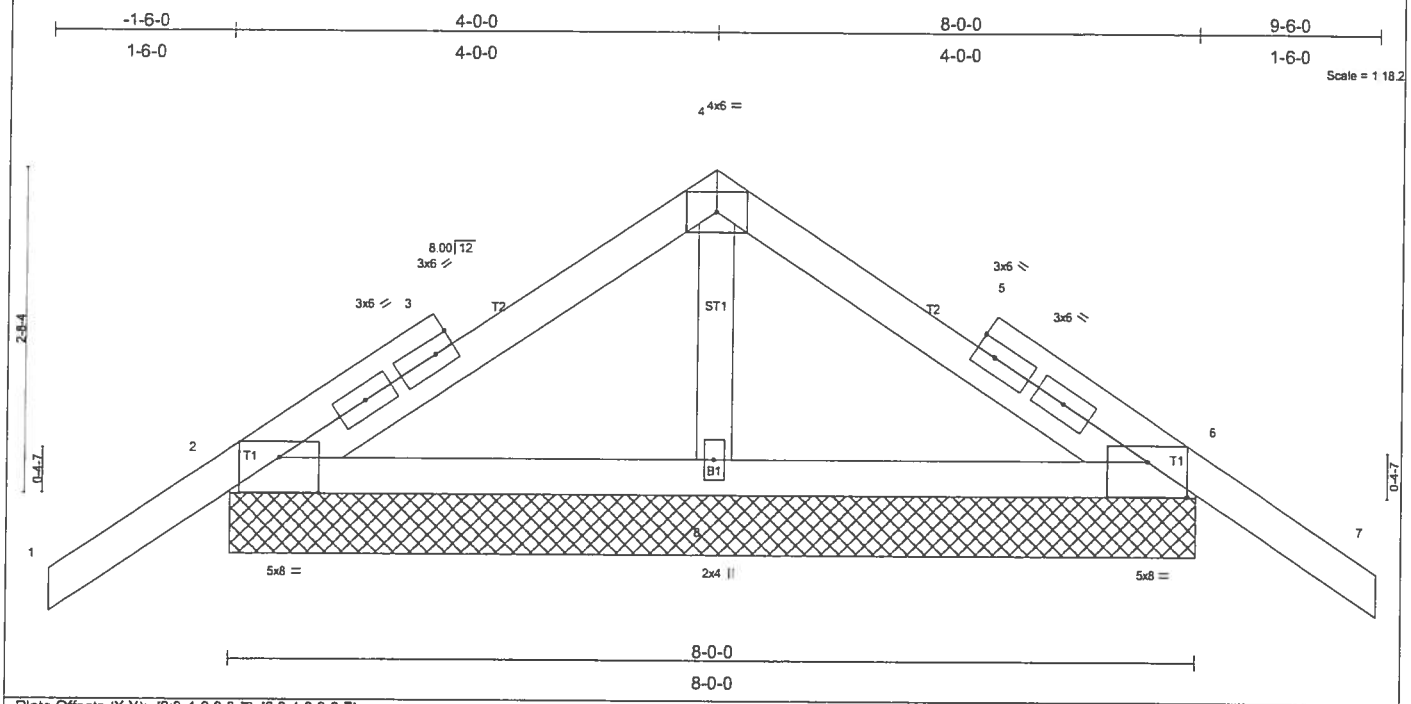

Plate Offsets (X,Y): [2:0-4-0,0-3-7], [6:0-4-0,0-3-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	0.00	7	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

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

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

REACTIONS (lb/size) 2=519/8-0-0, 6=519/8-0-0, 8=159/8-0-0
Max Horz 2=87(load case 4)
Max Uplift2=-274(load case 5), 6=-274(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3/70, 2-3=-428/172, 3-4=-353/173, 4-5=-353/173, 5-6=-428/172, 6-7=-3/70
BOT CHORD 2-8=-80/303, 6-8=-80/303

JOINT STRESS INDEX
2 = 0.71, 3 = 0.00, 3 = 0.29, 3 = 0.29, 4 = 0.34, 5 = 0.00, 5 = 0.29, 5 = 0.29, 6 = 0.71 and 8 = 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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) 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 274 lb uplift at joint 2 and 274 lb uplift at joint 6.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-87(F=-33), 4-7=-87(F=-33), 2-6=-30

SEPTEMBER 15, 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.#0915061506

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T30	COMMON	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:56:48 2006 Page 1

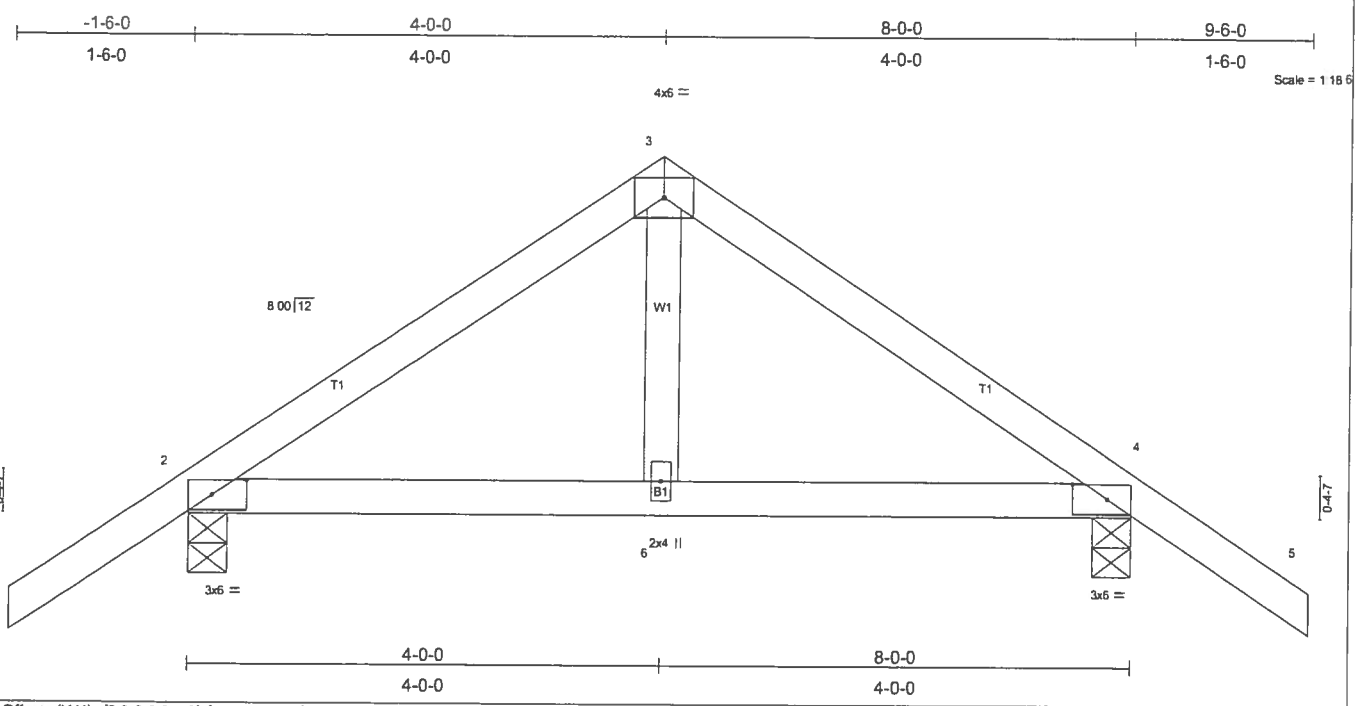

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]

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)	-0.01	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 36 lb	

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

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

REACTIONS (lb/size) 2=412/0-4-0, 4=412/0-4-0
Max Horz 2=99(load case 4)
Max Uplift2=-301(load case 5), 4=-301(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-350/306, 3-4=-350/306, 4-5=0/45
BOT CHORD 2-6=-120/239, 4-6=-120/239
WEBS 3-6=-214/125

JOINT STRESS INDEX
2 = 0.53, 3 = 0.25, 4 = 0.53 and 6 = 0.09

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 Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 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 301 lb uplift at joint 2 and 301 lb uplift at joint 4.

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.#0915061507

Job	Truss	Truss Type	Qty	Ply	CADY HOMES--LOT 49 ROLLING MEADOWS
L210258	T31	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Sep 15 10:57:32 2006 Page 1

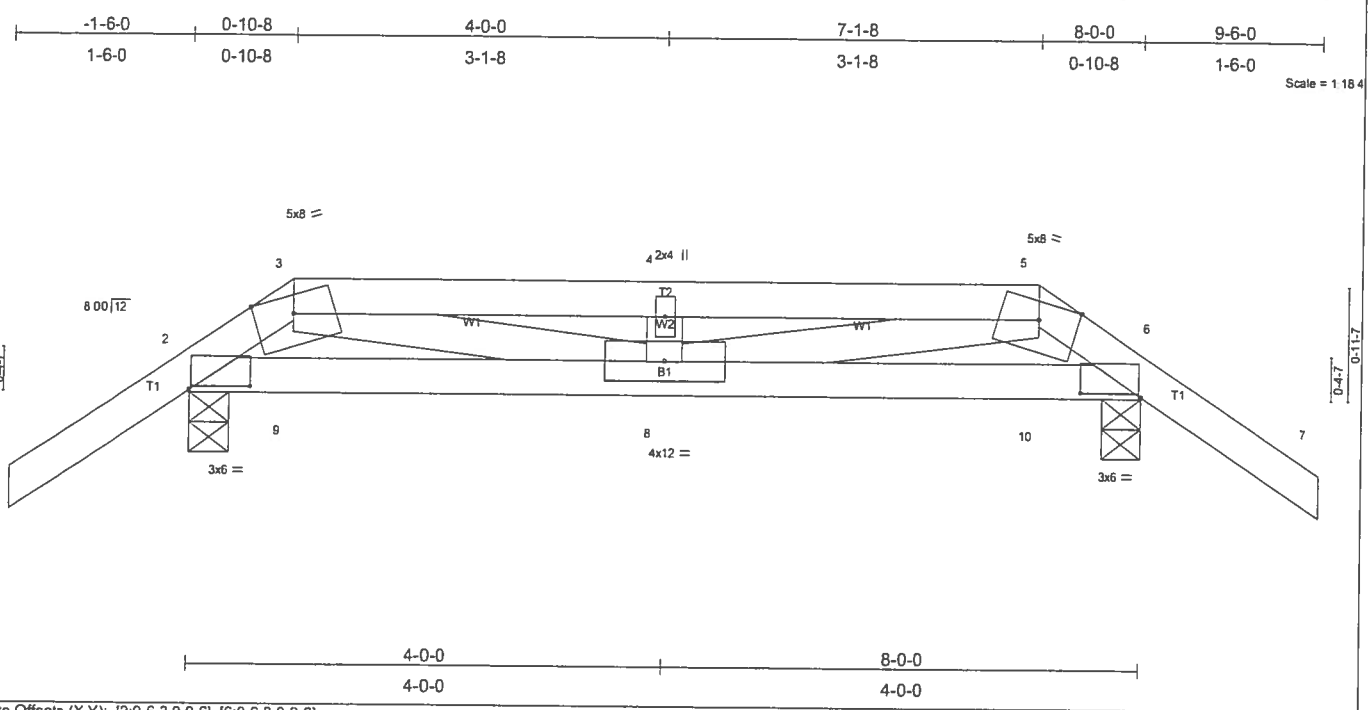

Plate Offsets (X,Y): [2:0-6-3,0-0-6], [6:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.02	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.04	8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.15	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

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

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

REACTIONS (lb/size) 2=392/0-4-0, 6=392/0-4-0
Max Horz 2=-46(load case 5)
Max Uplift2=-169(load case 4), 6=-169(load case 5)
Max Grav 2=398(load case 8), 6=398(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-389/186, 3-4=-751/321, 4-5=-751/321, 5-6=-389/187, 6-7=0/45
BOT CHORD 2-9=-139/346, 8-9=-139/346, 8-10=-131/346, 6-10=-131/346
WEBS 3-8=-176/458, 4-8=-113/114, 5-8=-178/458

JOINT STRESS INDEX
2 = 0.60, 3 = 0.15, 4 = 0.07, 5 = 0.15, 6 = 0.60 and 8 = 0.17

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All 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 169 lb uplift at joint 2 and 169 lb uplift at joint 6.
6) Girder carries hip end with 0-10-8 right side setback, 0-10-8 left side setback, and 2-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 5 lb up at 7-1-8, and 4 lb down and 5 lb up at 0-10-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-50(F=5), 5-7=-54, 2-6=-28(F=2)
Concentrated Loads (lb)
Vert: 3=-4(F) 5=-4(F)

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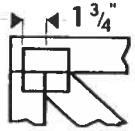
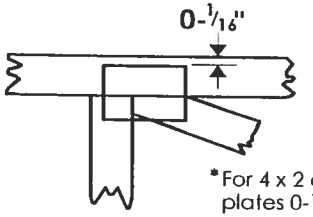
Symbols

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.**

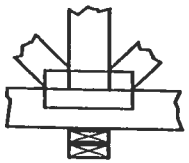
PLATE SIZE

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

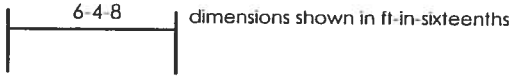


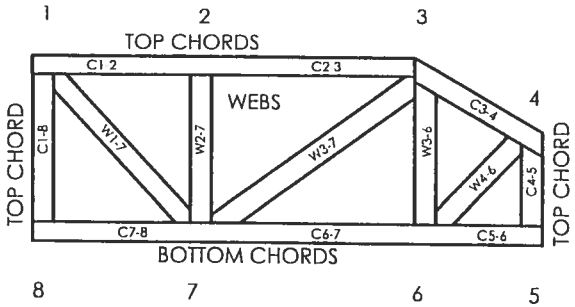
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

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.