Project Information for:	L143648		
Builder:	HUGO ESCALANTE	Date:	12/19/2005
Lot:	LOT 6 FT. WHITE HEIGHTS	Start Number:	**1218**
Subdivision:	N/A		
County or City:	COLUMBIA COUNTY		
Truss Page Count:	35		

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

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

Note: See individual truss drawings for special loading conditions

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

ESCALANTE, HUGO CRC 1326967
Address: P.O. BOX 280
FORT WHITE, FL. 32038 Designer: **30**

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

Notes:

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

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1219051218	12/19/2005				
2	CJ3	1219051219	12/19/2005				
3	CJ5	1219051220	12/19/2005				
4	EJ7	1219051221	12/19/2005				
5	EJ7A	1219051222	12/19/2005				
6	EJ7B	1219051223	12/19/2005				
7	EJ7G	1219051224	12/19/2005				
8	EJ7T	1219051225	12/19/2005				
9	HJ9	1219051226	12/19/2005				
10	T01	1219051227	12/19/2005				
11	T02	1219051228	12/19/2005				
12	T03	1219051229	12/19/2005				
13	T04	1219051230	12/19/2005				
14	T05	1219051231	12/19/2005				
15	T06	1219051232	12/19/2005				
16	T07	1219051233	12/19/2005				
17	T08	1219051234	12/19/2005				
18	T08A	1219051235	12/19/2005				
19	T09	1219051236	12/19/2005				
20	T10	1219051237	12/19/2005				
21	T11	1219051238	12/19/2005				
22	T12	1219051239	12/19/2005				
23	T13	1219051240	12/19/2005				
24	T14	1219051241	12/19/2005				
25	T15	1219051242	12/19/2005				
26	T16	1219051243	12/19/2005				
27	T17	1219051244	12/19/2005				
28	T18	1219051245	12/19/2005				
29	T19	1219051246	12/19/2005				
30	T20	1219051247	12/19/2005				
31	T22	1219051248	12/19/2005				
32	T22G	1219051249	12/19/2005				
33	T23	1219051250	12/19/2005				
34	T23A	1219051251	12/19/2005				
35	T23G	1219051252	12/19/2005				

DEC 19 2005

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02:00:39 PM 10/6/2004

Licensee Details

Licensee Information

Name:	**ESCALANTE, HUGO (Primary Name)** **EWPL INC (DBA Name)**
Main Address:	**P.O. BOX 280** **FORT WHITE, Florida 32038**

License Information

License Type:	**Certified Residential Contractor**
Rank:	**Cert Residental**
License Number:	**CRC1326967**
Status:	**Current, Active**
Licensure Date:	**11/24/2003**
Expires:	**08/31/2006**

Special Qualifications	Effective Date
Qualified Business License Required	11/24/2003

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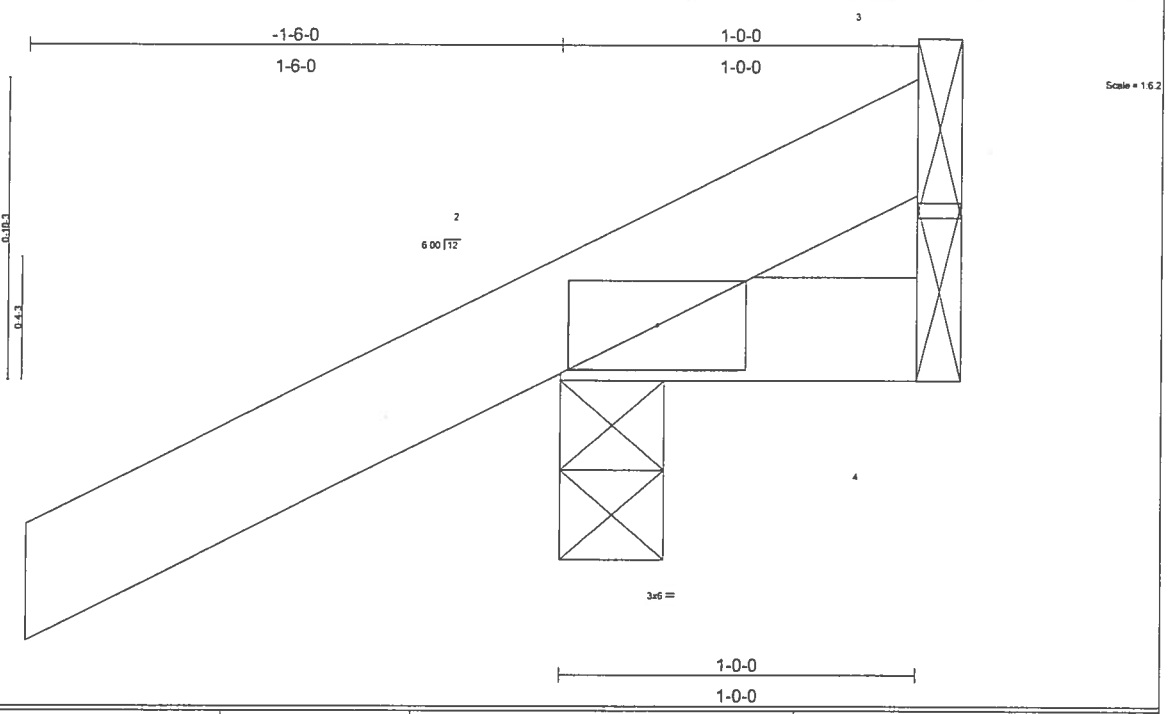
DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051218

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	CJ1	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:20 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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

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

REACTIONS (lb/size) 2=189/0-3-8, 4=14/Mechanical, 3=-40/Mechanical
Max Horz 2=70(load case 5)
Max Uplift2=-180(load case 5), 3=-40(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=61(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-45/34
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 180 lb uplift at joint 2 and 40 lb uplift at joint 3.

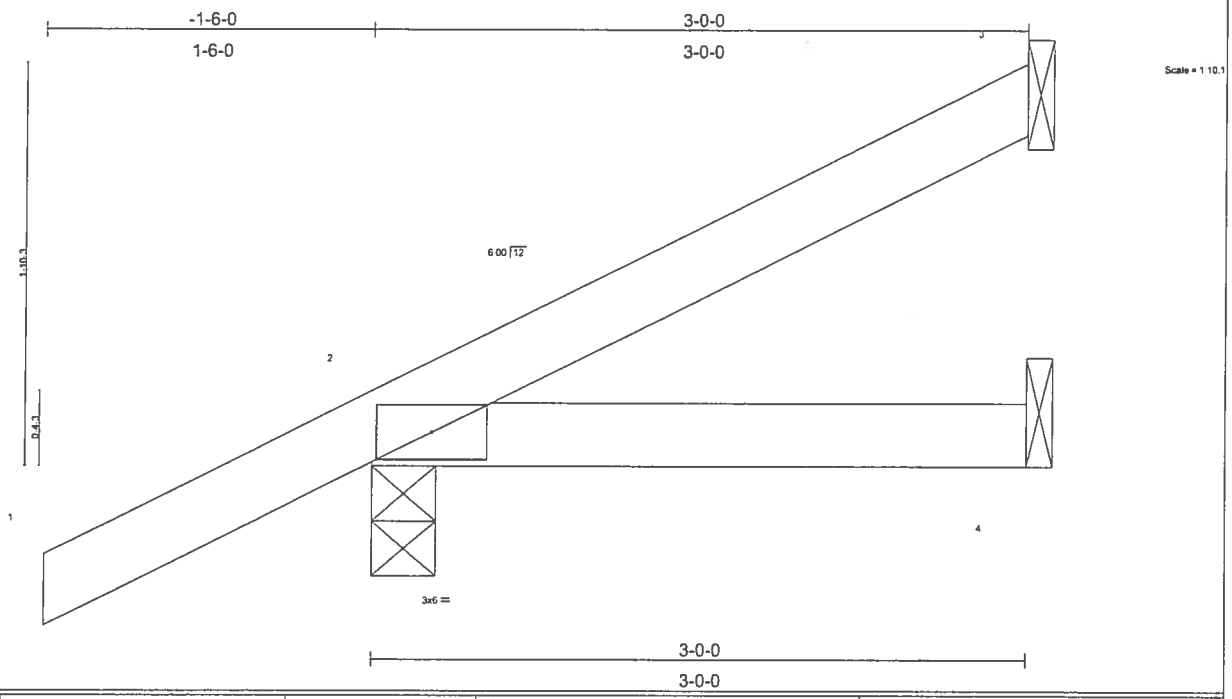
LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051219

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	CJ3	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:21 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

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

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

REACTIONS (lb/size) 3=49/Mechanical, 2=232/0-3-8, 4=42/Mechanical
Max Horz 2=115(load case 5)
Max Uplift3=-38(load case 5), 2=-151(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-48/16
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 3 and 151 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051220

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	CJ5	MONO TRUSS	6	1	Job Reference (optional)

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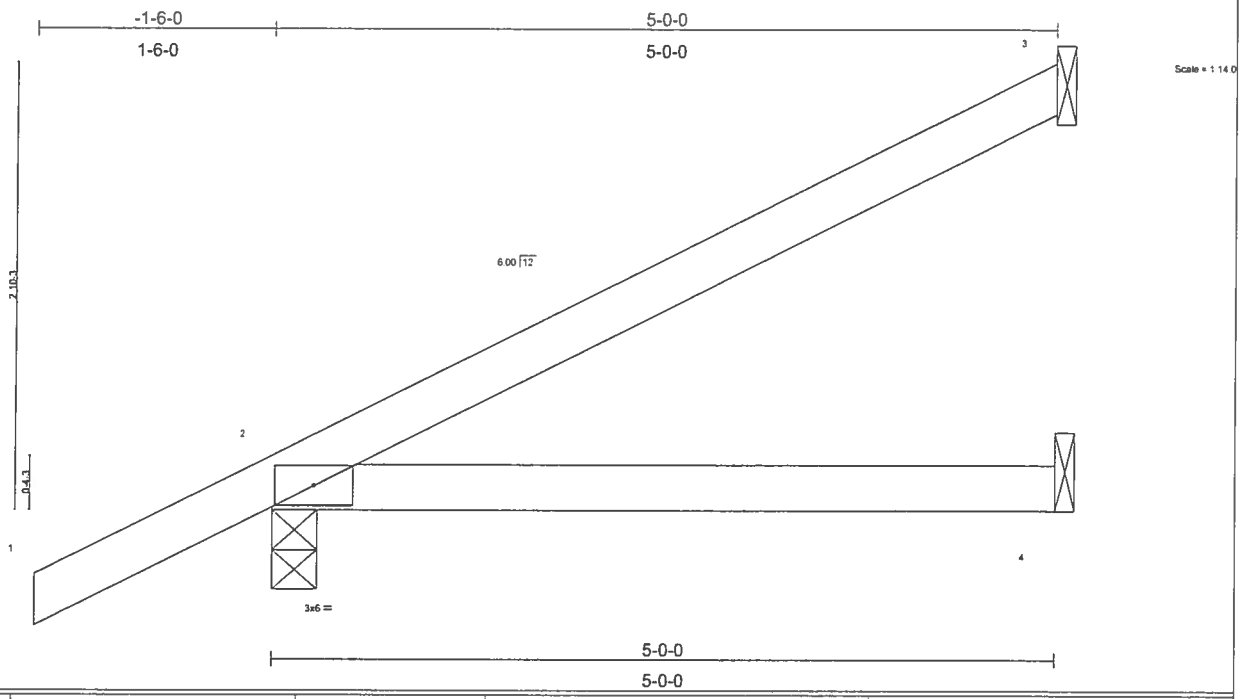

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=114/Mechanical, 2=305/0-3-8, 4=72/Mechanical
Max Horz 2=162(load case 5)
Max Uplift3=-101(load case 5), 2=-157(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-96/41
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 101 lb uplift at joint 3 and 157 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051221

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	EJ7	MONO TRUSS	20	1	Job Reference (optional)

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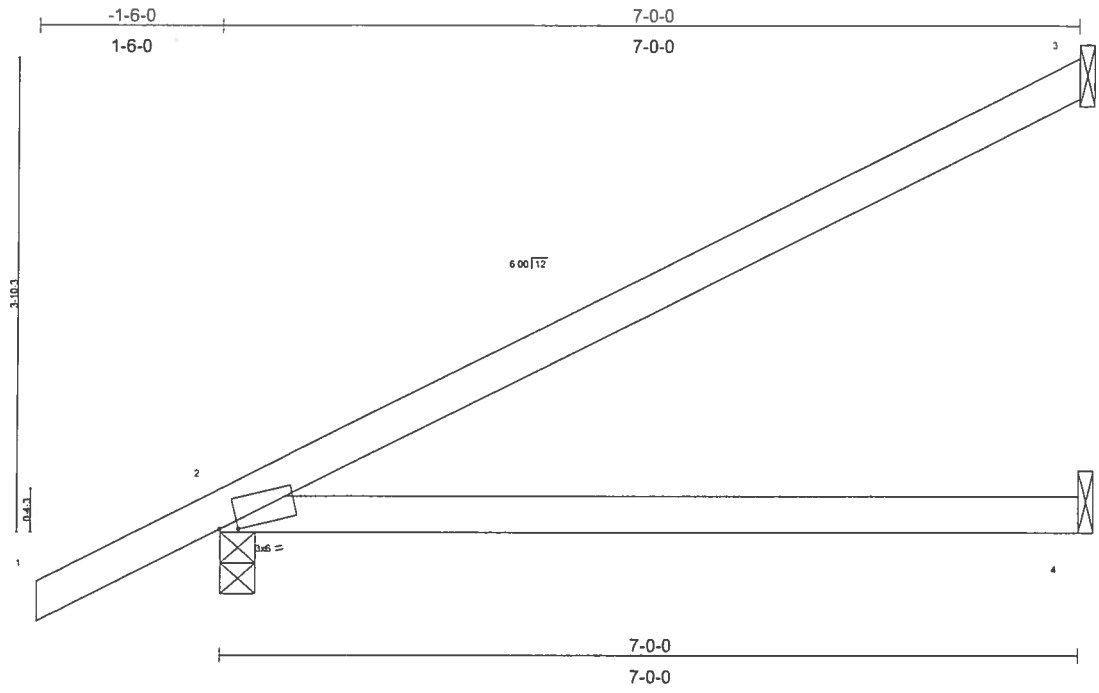

Plate Offsets (X,Y): [2:0-1-12,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.13	2-4	>606	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.22	2-4	>365	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: 25 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=166/Mechanical, 2=385/0-3-8, 4=108/Mechanical
Max Horz 2=208(load case 5)
Max Uplift3=-139(load case 5), 2=-172(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-122/59
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 139 lb uplift at joint 3 and 172 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051222

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	EJ7A	MONO HIP	2	1	Job Reference (optional)

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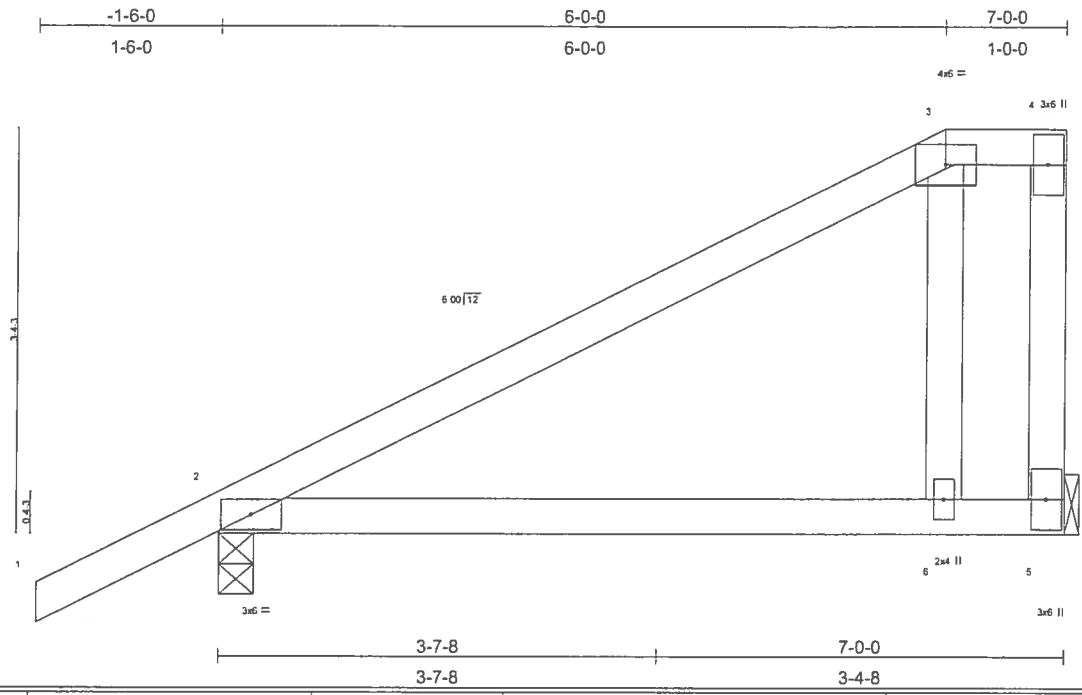

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	0.06	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.11	2-6	>759	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 lb	

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

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

REACTIONS (lb/size) 5=271/Mechanical, 2=382/0-3-8
Max Horz 2=187(load case 5)
Max Uplift5=-113(load case 5), 2=-180(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-194/0, 3-4=-109/81, 4-5=-99/1
BOT CHORD 2-6=-81/109, 5-6=-81/109
WEBS 3-6=-52/228

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 5 and 180 lb uplift at joint 2.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051223

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	EJ7B	MONO TRUSS	3	1	Job Reference (optional)

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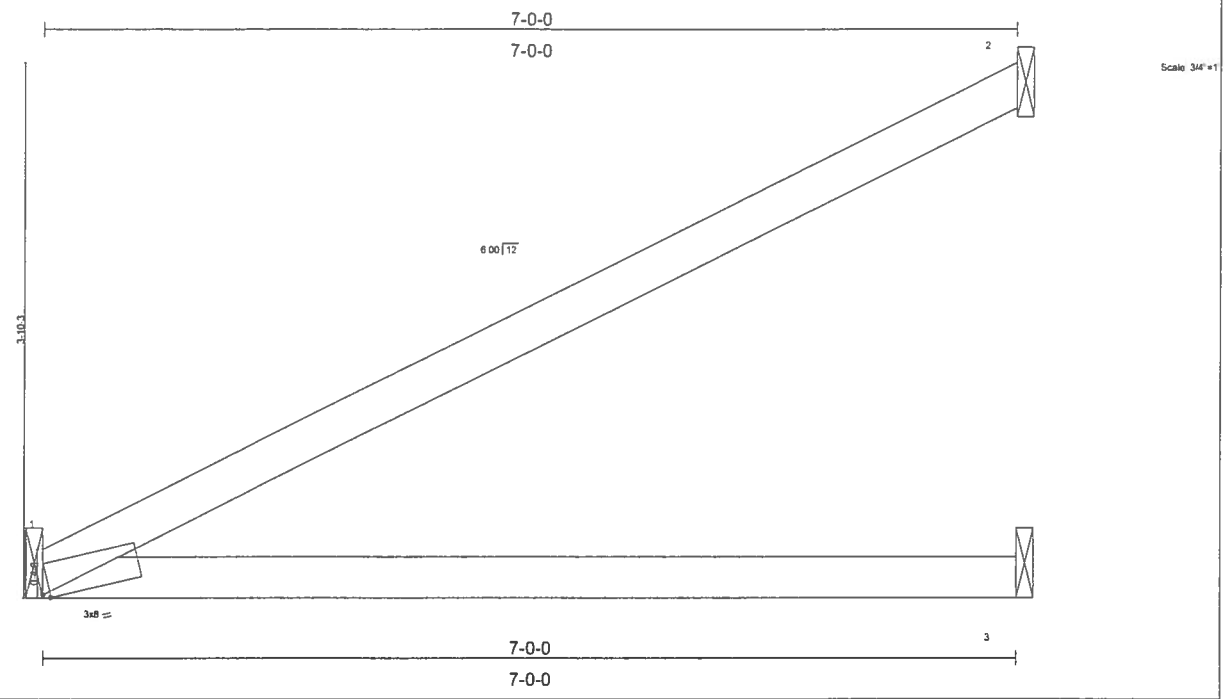

Plate Offsets (X,Y): [1:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.16	1-3	>520	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.26	1-3	>316	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: 22 lb	

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

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

REACTIONS (lb/size) 1=289/Mechanical, 2=173/Mechanical, 3=116/Mechanical
Max Horz 1=162(load case 5)
Max Uplift1=-68(load case 5), 2=-146(load case 5), 3=-4(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-126/62
BOT CHORD 1-3=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 1, 146 lb uplift at joint 2 and 4 lb uplift at joint 3.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051224

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	EJ7G	MONO HIP	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:25 2005 Page 1

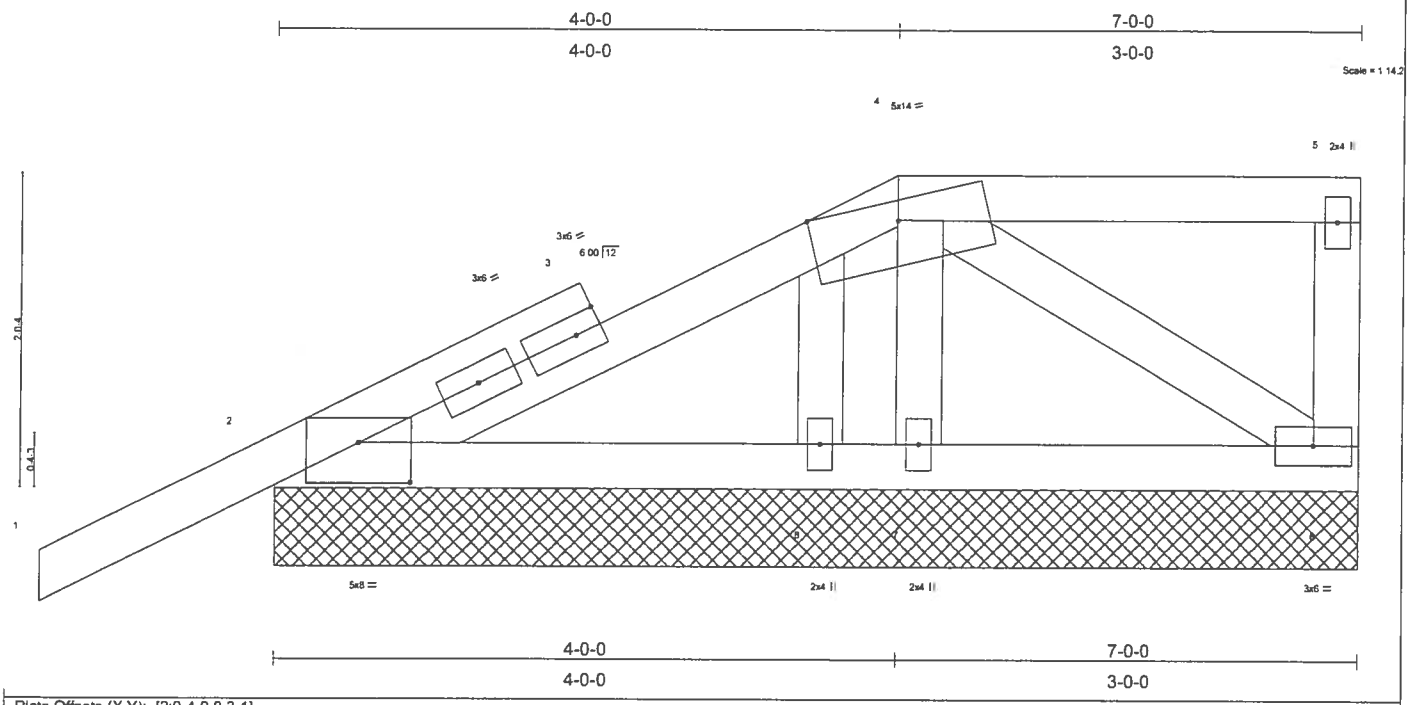

Plate Offsets (X,Y): [2:0-4-0,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.00	1	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.08	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 lb	

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

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

REACTIONS (lb/size) 2=348/7-0-0, 6=111/7-0-0, 7=364/7-0-0, 8=109/7-0-0
Max Horz 2=126(load case 5)
Max Uplift2=-189(load case 5), 6=-67(load case 3), 7=-160(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-11/56, 2-3=-62/18, 3-4=-59/76, 4-5=-25/15, 5-6=-100/98
BOT CHORD 2-8=-26/2, 7-8=-26/2, 6-7=-28/10
WEBS 4-7=-354/325, 4-6=-29/61

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
3) Provide adequate drainage to prevent water ponding.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 2, 67 lb uplift at joint 6 and 160 lb uplift at joint 7.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-87(F=-33), 4-5=-87(F=-33), 2-6=-30

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051225

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	EJ7T	SPECIAL	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:26 2005 Page 1

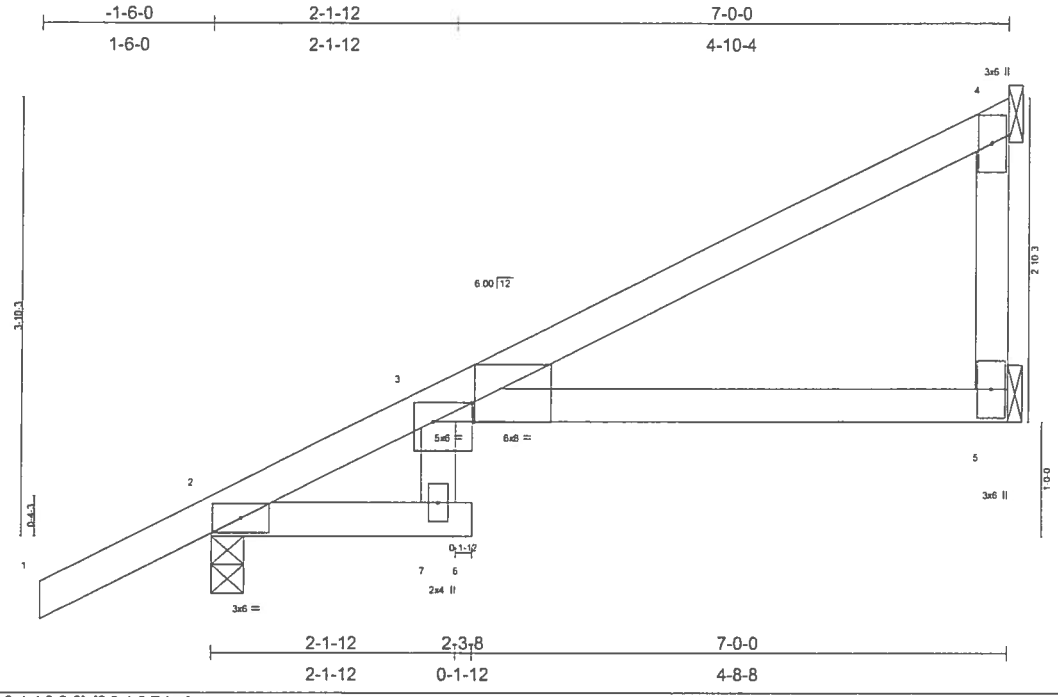

Plate Offsets (X,Y): [3:0-4-4,0-0-0], [3:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	0.12	6	>646	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.17	3-5	>478	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.07	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 30 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.3 *Except*
B3 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 4=127/Mechanical, 5=148/Mechanical, 2=389/0-3-8
Max Horz 2=206(load case 5)
Max Uplift4=-109(load case 5), 5=-25(load case 5), 2=-170(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-348/1, 3-4=-170/18, 4-5=0/0
BOT CHORD 2-7=-145/231, 6-7=0/0, 3-7=0/45, 3-5=-101/133

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 109 lb uplift at joint 4, 25 lb uplift at joint 5 and 170 lb uplift at joint 2.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

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.#1219051226

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	HJ9	MONO TRUSS	3	1	Job Reference (optional)

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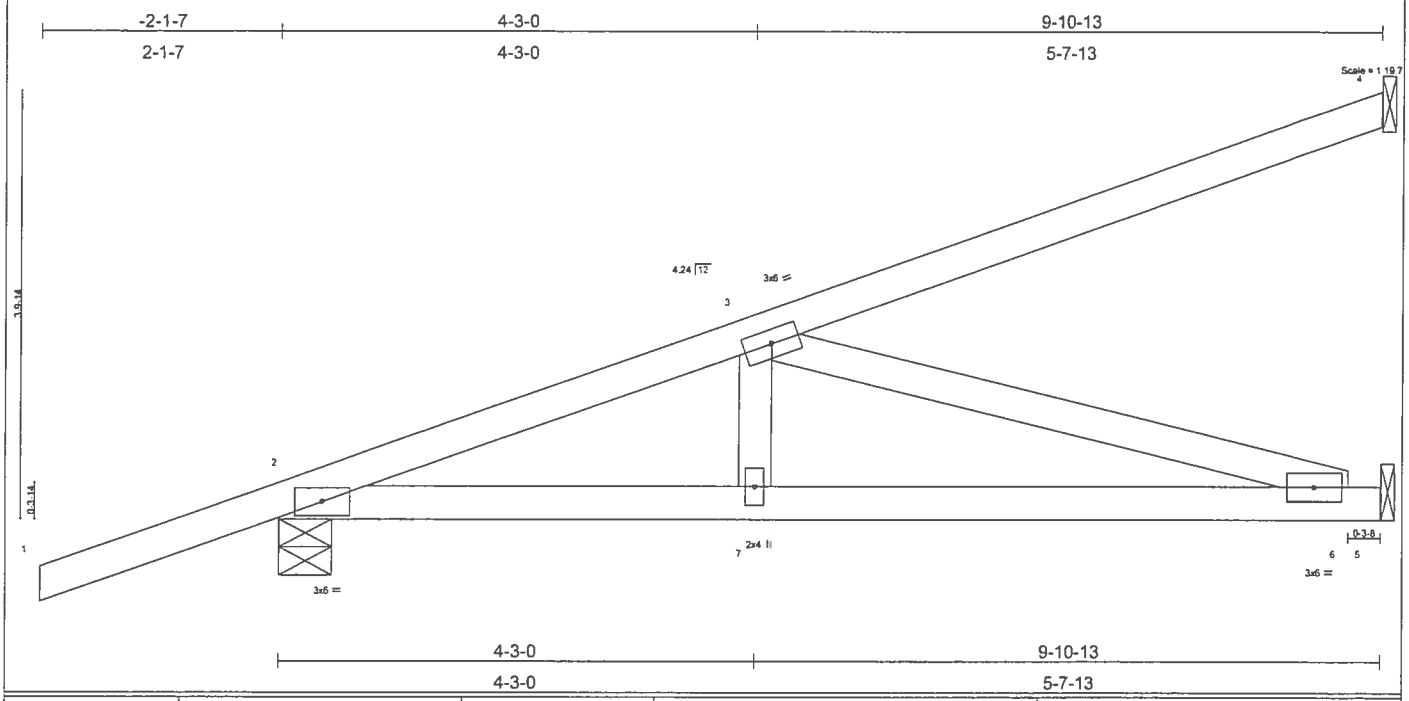

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.17	6-7	>694	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.52	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 44 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-9-15 oc bracing.

REACTIONS (lb/size) 4=268/Mechanical, 2=486/0-5-11, 5=387/Mechanical
Max Horz 2=253(load case 2)
Max Uplift4=-229(load case 2), 2=-229(load case 2), 5=-77(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/37, 2-3=-932/177, 3-4=-104/65
BOT CHORD 2-7=-367/868, 6-7=-367/868, 5-6=0/0
WEBS 3-7=0/197, 3-6=-902/382

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 229 lb uplift at joint 4, 229 lb uplift at joint 2 and 77 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051227

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T01	SPECIAL	1	2	Job Reference (optional)

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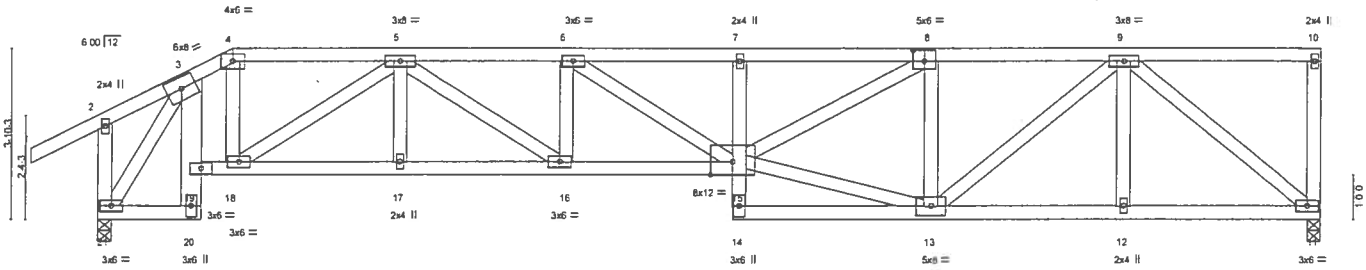
-1-6-0	2-3-8	3-0-0	6-9-5	10-6-11	14-4-0	18-9-14	23-2-0	27-8-0
1-6-0	2-3-8	0-8-8	3-9-5	3-9-5	3-9-5	4-5-14	4-4-2	4-6-0

Scale = 1:49.8



2-3-8	10-6-11	14-4-0	18-9-14	23-2-0	27-6-3	27-8-0
2-3-8	8-3-3	3-9-5	4-5-14	4-4-2	4-4-3	0-1-13

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.24	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.39	15-16	>844	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.16	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 353 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 6 SYP No.1D, B3 2 X 4 SYP No.1D, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
8-11-7 oc bracing: 15-16.

REACTIONS (lb/size) 11=2486/0-3-8, 21=2562/0-3-8
Max Horz 21=346(load case 4)
Max Uplift11=-1089(load case 3), 21=-931(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-182/156, 3-4=-2987/1329, 4-5=-2421/1114, 5-6=-6281/2645, 6-7=-6608/2814, 7-8=-6501/2787, 8-9=-4207/1817, 9-10=-72/32, 10-11=-248/193, 2-21=-373/283
BOT CHORD 20-21=-780/1417, 19-20=-106/230, 3-19=-158/522, 18-19=-1114/2421, 17-18=-2088/4908, 16-17=-2088/4908, 15-16=-2645/6281, 14-15=0/174, 7-15=-422/306, 13-14=-180/521, 12-13=-1148/2632, 11-12=-1148/2632
WEBS 5-16=-686/1658, 6-16=-528/297, 6-15=-216/390, 13-15=-1680/3782, 8-15=-1126/2662, 8-13=-1892/1000, 9-13=-864/2035, 9-12=0/284, 9-11=-3304/1441, 3-21=-2560/942, 4-18=-659/1606, 5-18=-3003/1194, 5-17=-68/363

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1089 lb uplift at joint 11 and 931 lb uplift at joint 21.
6) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 2-3-8; 5-0-7 from 2-3-8 to 14-4-0; 3-11-14 from 2-3-8 to 14-4-0; 3-11-14 from 2-3-8 to 14-4-0
7) Girder carries hip end with 0-0-0 right side setback, 14-4-0 left side setback, and 7-0-0 end setback.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 3-4=-90(F=-36), 4-7=-90(F=-36), 7-10=-118(F=-64), 20-21=-130(F=-100), 15-19=-89(F=-59), 11-14=-65(F=-35)

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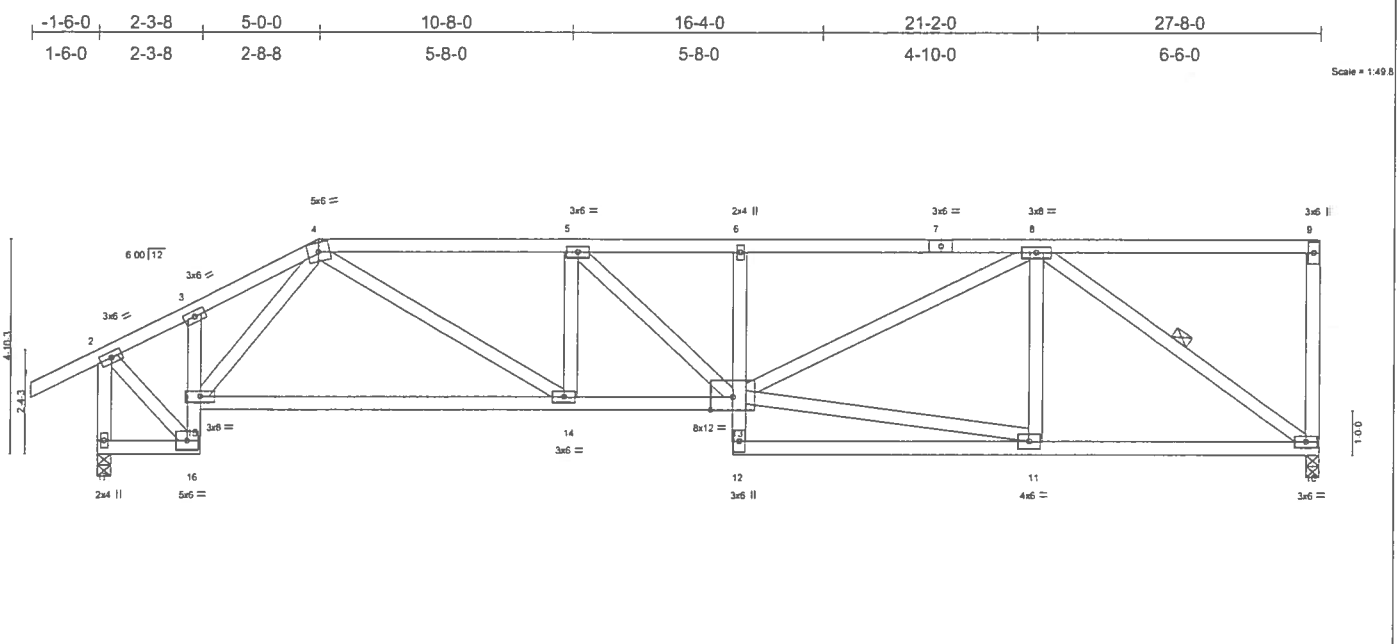
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051228

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:30 2005 Page 1



2-3-8	4-3-8	10-8-0	14-4-0	16-4-0	21-2-0	27-6-3	27-8-0
2-3-8	2-0-0	6-4-8	3-8-0	2-0-0	4-10-0	6-4-3	0-1-13

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.22	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.36	14-15	>912	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.16	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 175 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.1D, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 8-10

REACTIONS (lb/size) 10=1147/0-3-8, 17=1241/0-3-8
Max Horz 17=215(load case 5)
Max Uplift10=-437(load case 4), 17=-381(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-862/418, 3-4=-1163/587, 4-5=-2157/932, 5-6=-2197/946, 6-7=-2200/955, 7-8=-2200/955, 8-9=-45/18, 9-10=-156/109, 2-17=-1367/672
BOT CHORD 16-17=-198/1, 15-16=-537/158, 3-15=-103/83, 14-15=-659/1279, 13-14=-932/2157, 12-13=0/105, 6-13=-272/194, 11-12=-44/261, 10-11=-536/1296
WEBS 5-14=-283/225, 5-13=-67/54, 11-13=-498/1047, 8-13=-474/1023, 8-11=0/127, 8-10=-1539/638, 2-16=-337/997, 4-14=-368/1036, 4-15=-405/279

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 10 and 381 lb uplift at joint 17.

LOAD CASE(S) Standard

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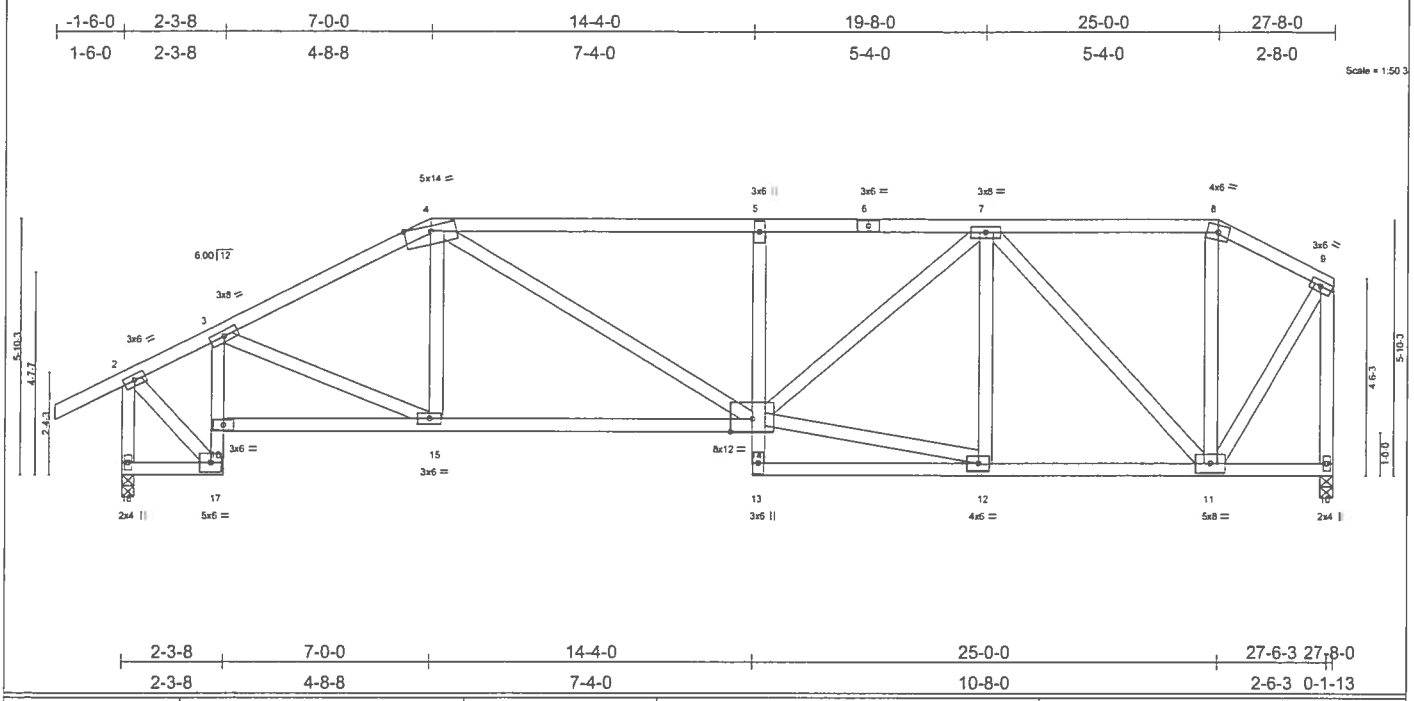
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051229

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T03	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:31 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.14	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.23	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.13	10	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 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-6 oc bracing.

REACTIONS (lb/size) 10=1147/0-3-8, 18=1241/0-3-8
Max Horz 18=220(load case 5)
Max Uplift10=-362(load case 3), 18=-401(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-859/429, 3-4=-1572/700, 4-5=-1786/812, 5-6=-1746/797, 6-7=-1746/797, 7-8=-520/272, 8-9=-596/263, 9-10=-1117/478, 2-18=-1354/684
BOT CHORD 17-18=-180/10, 16-17=-569/169, 3-16=-540/198, 15-16=-588/956, 14-15=-622/1368, 13-14=0/81, 5-14=-357/252, 12-13=-74/88, 11-12=-486/1188, 10-11=-4/6
WEBS 3-15=-198/490, 4-15=0/107, 4-14=-247/565, 12-14=-420/1121, 7-14=-327/744, 7-11=-988/409, 8-11=0/61, 9-11=-388/970, 2-17=-366/1022, 7-12=-56/117

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 362 lb uplift at joint 10 and 401 lb uplift at joint 18.

LOAD CASE(S) Standard

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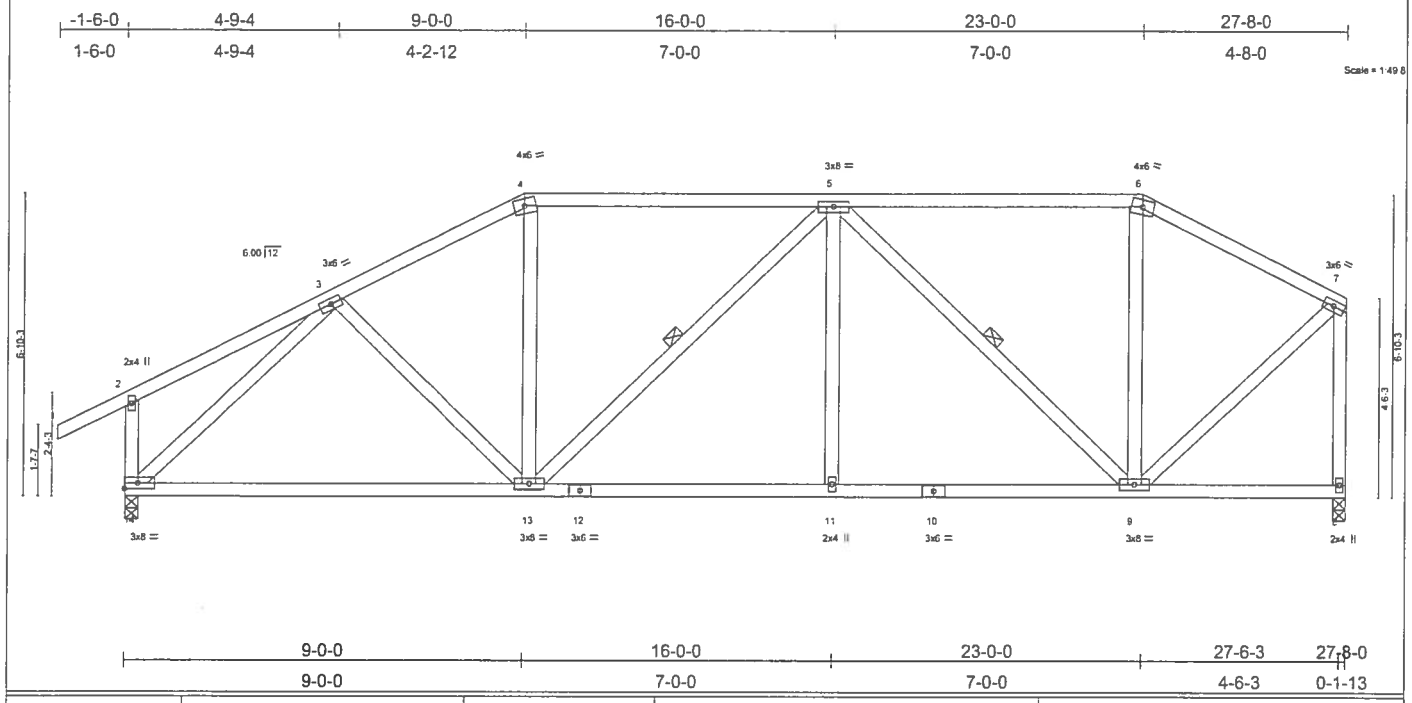
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051230

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T04	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:32 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.13	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.22	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-8 oc bracing.
WEBS 1 Row at midpt 5-13, 5-9

REACTIONS (lb/size) 8=1147/0-3-8, 14=1241/0-3-8
Max Horz 14=234(load case 5)
Max Uplift8=-309(load case 3), 14=-418(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-201/172, 3-4=-1265/593, 4-5=-1100/585, 5-6=-715/396, 6-7=-841/379, 7-8=-1091/492, 2-14=-294/297
BOT CHORD 13-14=-516/959, 12-13=-501/1217, 11-12=-501/1217, 10-11=-501/1217, 9-10=-501/1217, 8-9=-12/17
WEBS 3-13=-84/276, 4-13=-28/226, 5-13=-248/145, 5-11=0/197, 5-9=-726/305, 6-9=0/92, 7-9=-366/946, 3-14=-1165/447

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 309 lb uplift at joint 8 and 418 lb uplift at joint 14.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051231

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:33 2005 Page 1

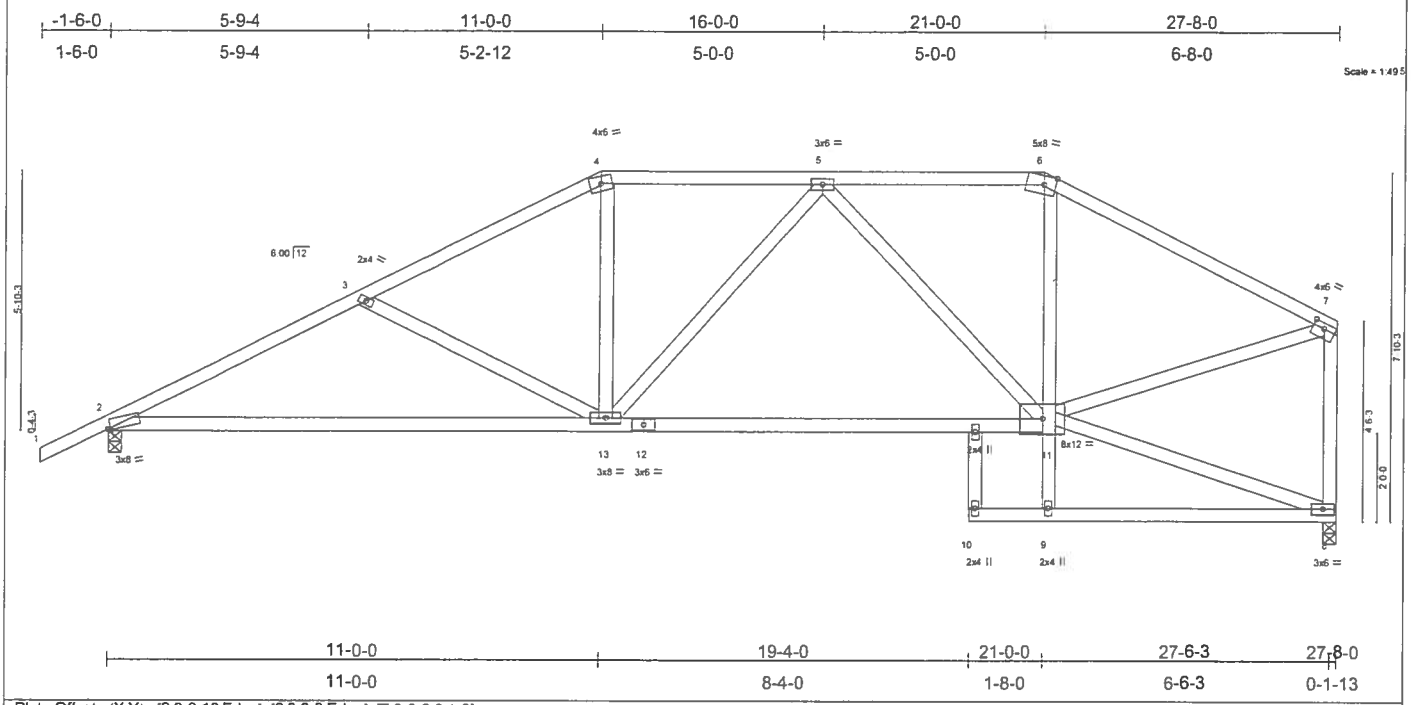


Plate Offsets (X,Y): [2:0-0-10,Edge], [6:0-3-3,Edge], [7:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.32	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.55	2-13	>597	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* W7 2 X 4 SYP No.2

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

REACTIONS (lb/size) 2=1256/0-3-8, 8=1187/0-3-8
Max Horz 2=197(load case 5)
Max Uplift2=-446(load case 5), 8=-310(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2019/855, 3-4=-1690/694, 4-5=-1460/682, 5-6=-1131/544, 6-7=-1338/539, 7-8=-1119/494
BOT CHORD 2-13=-789/1762, 12-13=-521/1410, 11-12=-521/1410, 9-11=0/151, 6-11=-15/311, 9-10=0/0, 8-9=-46/3
WEBS 3-13=-357/310, 4-13=-81/449, 5-13=-55/125, 5-11=-474/220, 8-11=-38/109, 7-11=-380/1135

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 446 lb uplift at joint 2 and 310 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051232

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:34 2005 Page 1

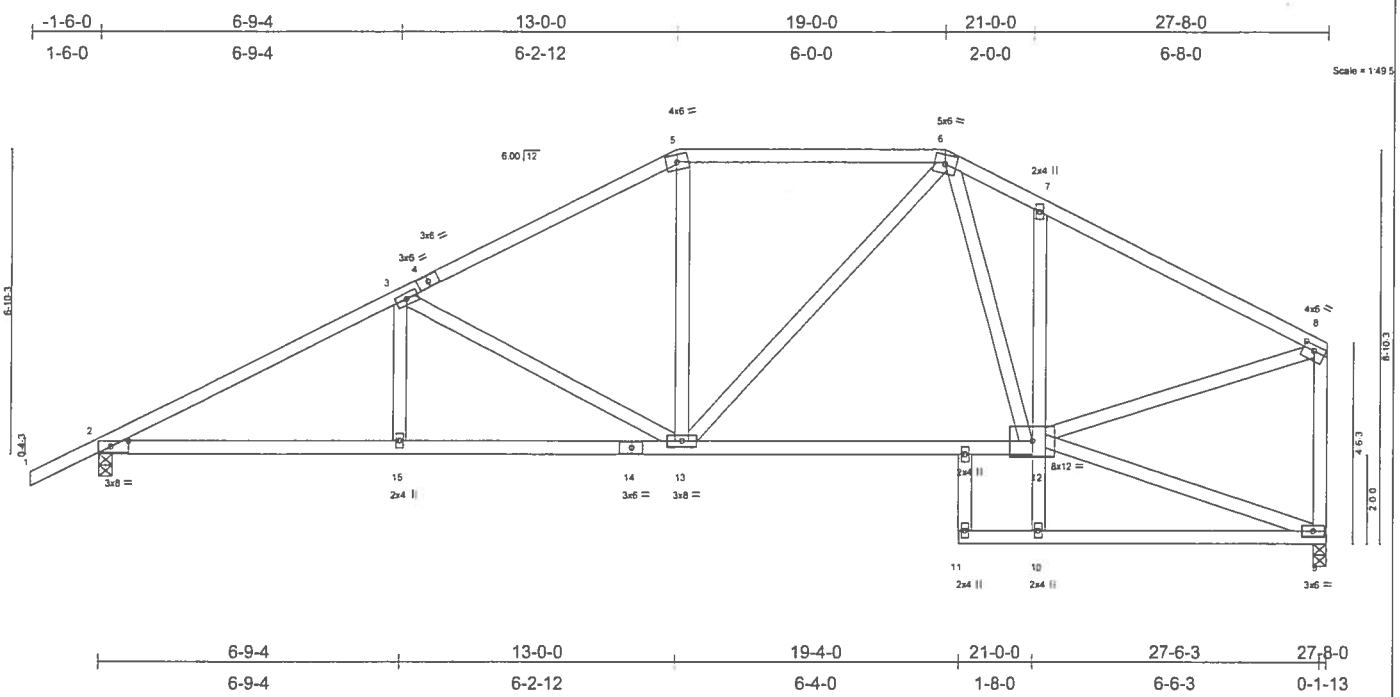


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [8:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.15	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.24	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.55	Horz(TL)	0.08	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 176 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W8 2 X 4 SYP No.2

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

REACTIONS (lb/size) 2=1256/0-3-8, 9=1187/0-3-8
Max Horz 2=211(load case 5)
Max Uplift2=-459(load case 5), 9=-327(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2085/828, 3-4=-1485/641, 4-5=-1471/664, 5-6=-1266/661, 6-7=-1282/659, 7-8=-1334/552, 8-9=-1116/504
BOT CHORD 2-15=-754/1787, 14-15=-754/1787, 13-14=-754/1787, 12-13=-363/1076, 10-12=0/151, 7-12=-229/256, 10-11=0/0, 9-10=-33/8
WEBS 3-15=0/208, 3-13=-602/353, 5-13=-34/294, 6-13=-138/353, 9-12=-43/96, 8-12=-394/1131, 6-12=-116/185

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 459 lb uplift at joint 2 and 327 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051233

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:35 2005 Page 1

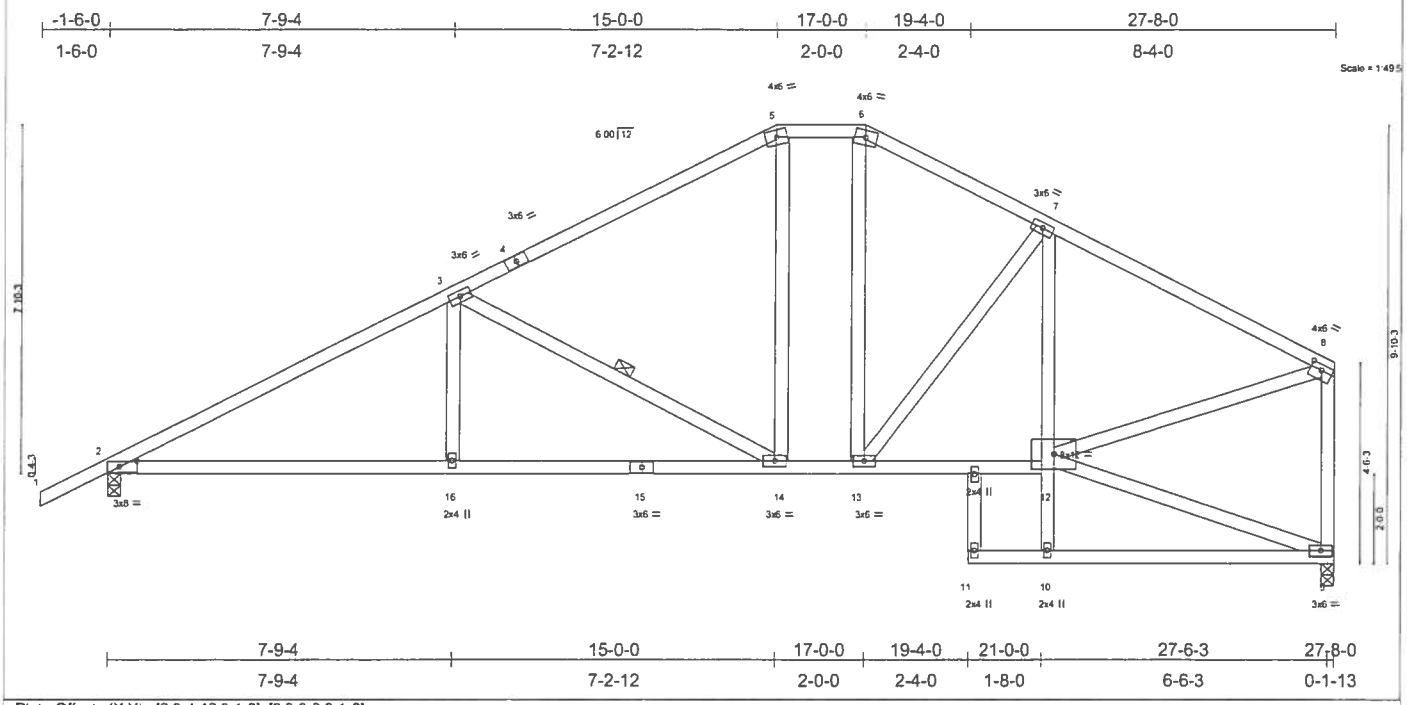


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [8:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.21	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.33	14-16	>984	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.08	9	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 *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-1-9 oc bracing.
WEBS 1 Row at midpt 3-14

REACTIONS (lb/size) 2=1256/0-3-8, 9=1187/0-3-8
Max Horz 2=225(load case 5)
Max Uplift2=-469(load case 5), 9=-342(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2059/832, 3-4=-1285/584, 4-5=-1184/609, 5-6=-1065/617, 6-7=-1229/639, 7-8=-1355/578, 8-9=-1098/511
BOT CHORD 2-16=-747/1758, 15-16=-747/1758, 14-15=-747/1758, 13-14=-349/1065, 12-13=-411/1130, 10-12=0/154, 7-12=-143/184, 10-11=0/0, 9-10=-6/46
WEBS 3-16=0/296, 3-14=-810/452, 5-14=-68/344, 6-13=-187/321, 7-13=-239/156, 9-12=-37/39, 8-12=-417/1143

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 469 lb uplift at joint 2 and 342 lb uplift at joint 9.

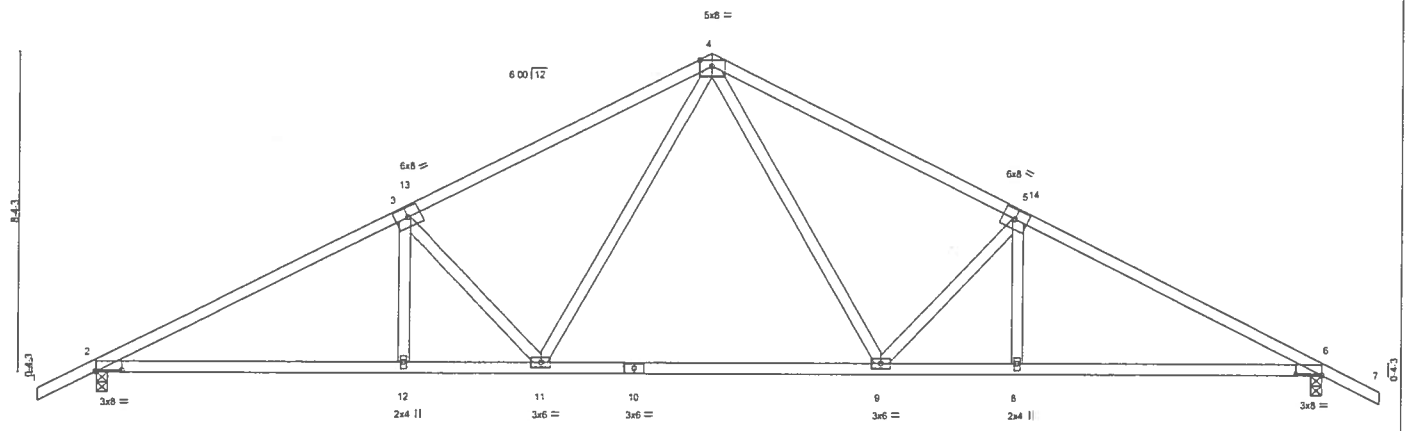
LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051234

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T08	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:36 2005 Page 1



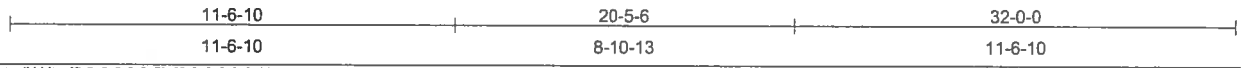


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [6:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.28	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.46	9-11	>822	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.10	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 159 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 3-5-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-1-14 oc bracing.

REACTIONS (lb/size) 2=1421/0-3-8, 6=1421/0-3-8
Max Horz 2=141(load case 5)
Max Uplift2=-527(load case 5), 6=-527(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2378/1012, 3-4=-1959/951, 4-5=-1959/951, 5-6=-2378/1012, 6-7=0/35
BOT CHORD 2-12=-729/2040, 11-12=-742/2058, 10-11=-333/1320, 9-10=-333/1320, 8-9=-742/2058, 6-8=-729/2040
WEBS 11-13=-607/401, 4-11=-285/729, 4-9=-285/729, 9-14=-607/401, 12-13=0/186, 3-13=-226/283, 8-14=0/186, 5-14=-226/283

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 527 lb uplift at joint 2 and 527 lb uplift at joint 6.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051235

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T08A	HIP	1	1	Job Reference (optional)

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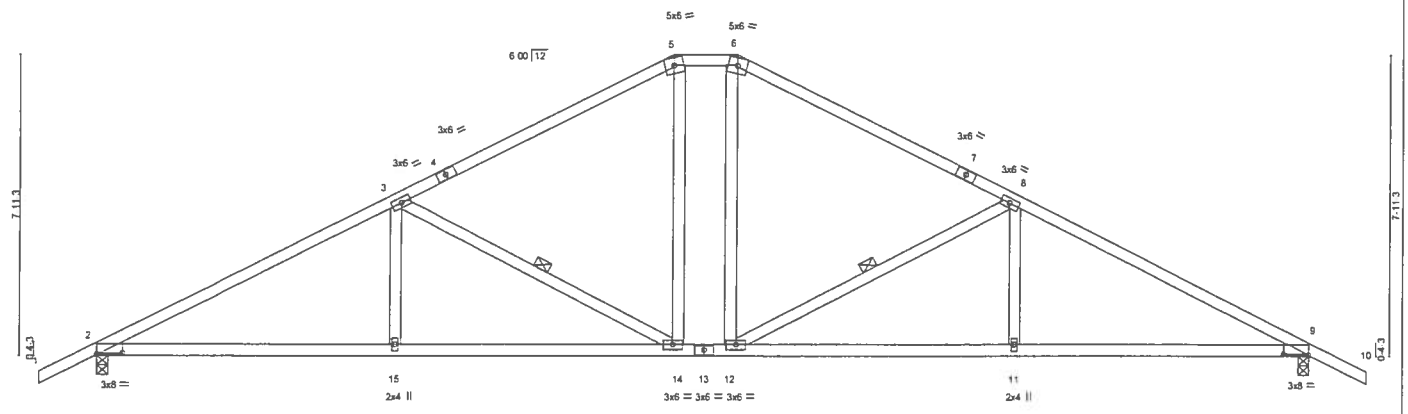
-1-6-0	7-10-4	15-2-0	16-10-0	24-1-12	32-0-0	33-6-0
1-6-0	7-10-4	7-3-12	1-8-0	7-3-12	7-10-4	1-6-0

Scale = 1:58.0



7-10-4	15-2-0	16-10-0	24-1-12	32-0-0
7-10-4	7-3-12	1-8-0	7-3-12	7-10-4

Plate Offsets (X,Y) [2:0-8-0,0-0-6], [9:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.21	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.33	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.28	Horz(TL)	0.11	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 163 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 3-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-9 oc bracing.
WEBS 1 Row at midpt 3-14, 8-12

REACTIONS (lb/size) 2=1421/0-3-8, 9=1421/0-3-8
Max Horz 2=135(load case 5)
Max Uplift2=-523(load case 5), 9=-523(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2401/1003, 3-4=-1657/773, 4-5=-1561/798, 5-6=-1405/792, 6-7=-1561/798, 7-8=-1657/773, 8-9=-2401/1003, 9-10=0/35
BOT CHORD 2-15=-724/2061, 14-15=-724/2061, 13-14=-346/1405, 12-13=-346/1405, 11-12=-724/2061, 9-11=-724/2061
WEBS 3-15=0/286, 3-14=-793/433, 5-14=-176/475, 6-12=-176/475, 8-12=-793/433, 8-11=0/286

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 523 lb uplift at joint 2 and 523 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

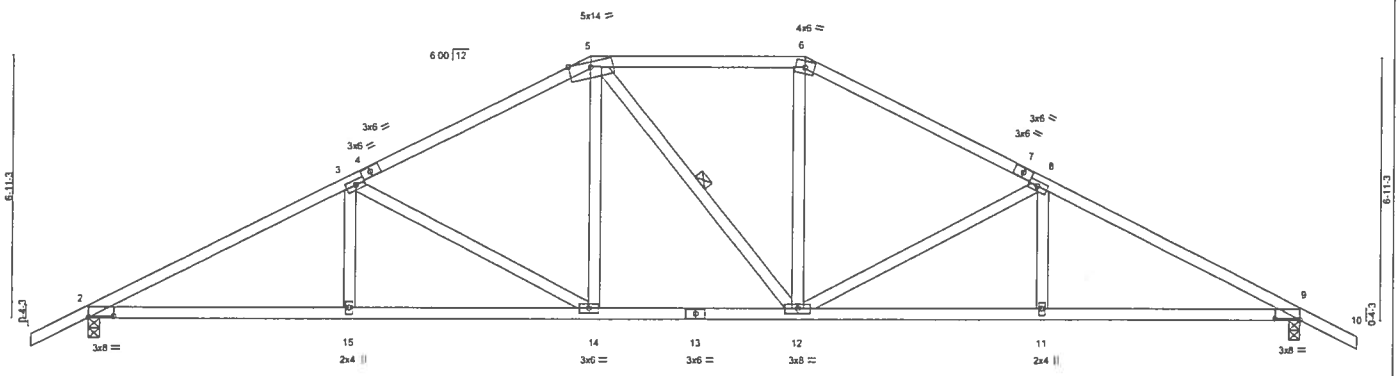
Dwg.#1219051236

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T09	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:39 2005 Page 1

-1-6-0	6-10-4	13-2-0	18-10-0	25-1-12	32-0-0	33-6-0
1-6-0	6-10-4	6-3-12	5-8-0	6-3-12	6-10-4	1-6-0

Scale = 1:58.0



6-10-4	13-2-0	18-10-0	25-1-12	32-0-0
6-10-4	6-3-12	5-8-0	6-3-12	6-10-4

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [9:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.16	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.26	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.10	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 166 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 3-8-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-6 oc bracing.
WEBS 1 Row at midpt 5-12

REACTIONS (lb/size) 2=1421/0-3-8, 9=1421/0-3-8
Max Horz 2=121(load case 5)
Max Uplift2=-510(load case 5), 9=-510(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2446/1004, 3-4=-1821/814, 4-5=-1809/838, 5-6=-1568/817, 6-7=-1809/838, 7-8=-1822/814, 8-9=-2445/1004, 9-10=0/35
BOT CHORD 2-15=-737/2106, 14-15=-737/2106, 13-14=-422/1567, 12-13=-422/1567, 11-12=-737/2106, 9-11=-737/2106
WEBS 3-15=0/226, 3-14=-625/360, 5-14=-136/465, 5-12=-154/156, 6-12=-136/465, 8-12=-624/360, 8-11=0/226

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 510 lb uplift at joint 2 and 510 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051237

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T10	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:40 2005 Page 1

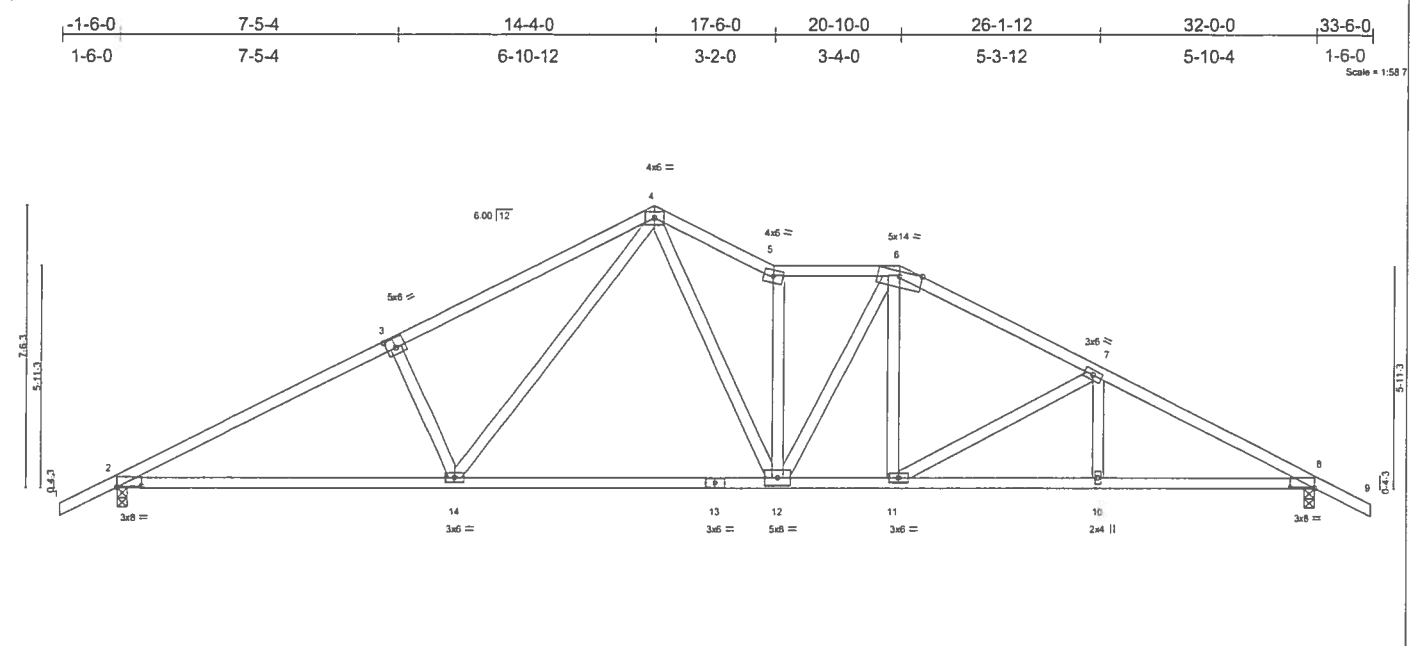


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [3:0-3-0,0-3-0], [8:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.24	2-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.39	2-14	>977	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 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 3-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-11 oc bracing.

REACTIONS (lb/size) 2=1421/0-3-8, 8=1421/0-3-8
Max Horz 2=129(load case 5)
Max Uplift2=-518(load case 5), 8=-541(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2383/1011, 3-4=-2223/1057, 4-5=-2099/1043, 5-6=-1854/902, 6-7=-1974/901, 7-8=-2488/1022, 8-9=0/35
BOT CHORD 2-14=-737/2050, 13-14=-390/1449, 12-13=-390/1449, 11-12=-521/1715, 10-11=-764/2149, 8-10=-764/2149
WEBS 3-14=-362/355, 4-14=-344/786, 4-12=-432/1049, 5-12=-994/502, 6-12=-85/302, 6-11=-122/334, 7-11=-513/280, 7-10=0/192

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 518 lb uplift at joint 2 and 541 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051238

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T11	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:41 2005 Page 1

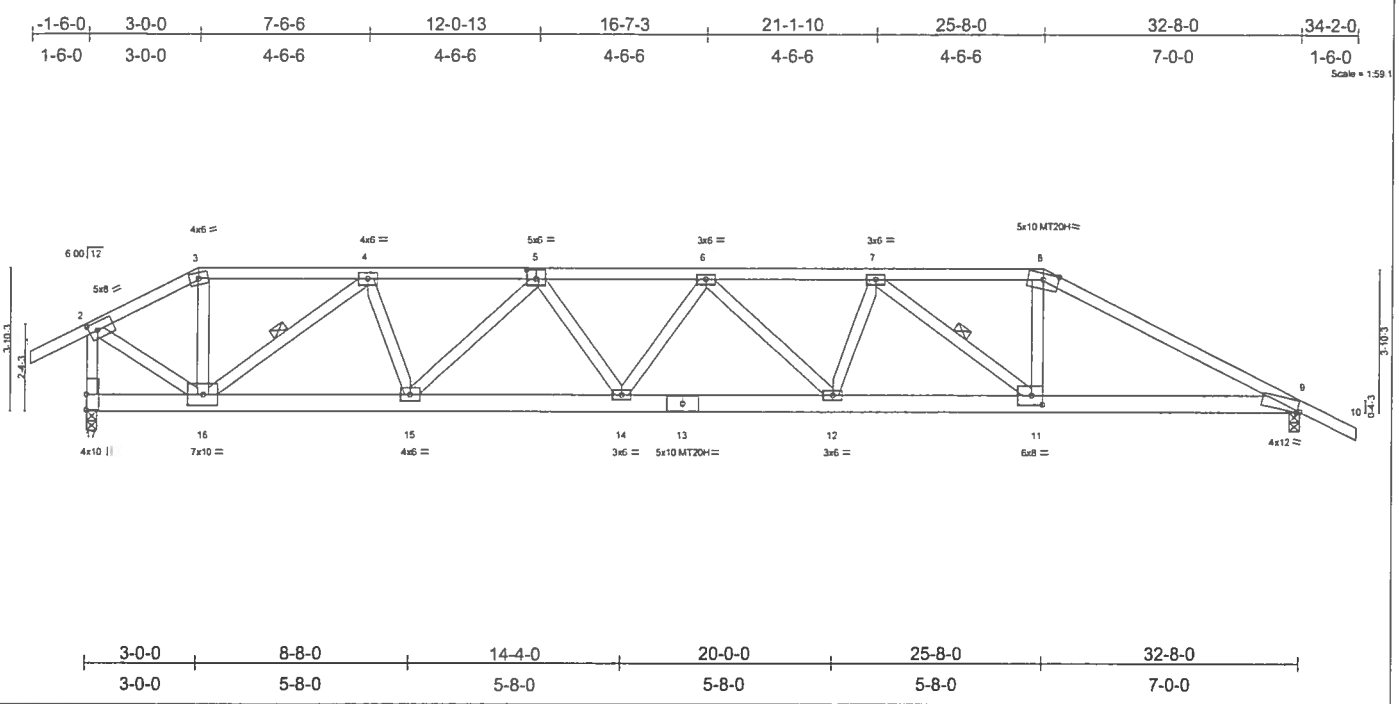


Plate Offsets (X,Y): [2:0-2-11,0-2-8], [5:0-3-0,0-3-0], [9:0-0-13,Edge], [11:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.46	12-14	>840	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.74	12-14	>524	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.16	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 199 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T4 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-10-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-1 oc bracing.
WEBS 1 Row at midpt 4-16, 7-11

REACTIONS (lb/size) 17=3328/0-3-8, 9=2885/0-3-8
Max Horz 17=-107(load case 2)
Max Uplift17=-1389(load case 3), 9=-1206(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-2883/1272, 3-4=-2594/1177, 4-5=-5602/2480, 5-6=-7053/3115, 6-7=-6855/3034, 7-8=-5096/2245, 8-9=-5692/2432, 9-10=0/39, 2-17=-3129/1319
BOT CHORD 16-17=-20/110, 15-16=-2256/5127, 14-15=-2942/6679, 13-14=-3142/7184, 12-13=-3142/7184, 11-12=-2870/6626, 9-11=-2095/5009
WEBS 3-16=-318/960, 4-16=-3239/1505, 4-15=-507/1537, 5-15=-1543/793, 5-14=-165/689, 6-14=-245/251, 6-12=-498/334, 7-12=-179/764, 7-11=-2049/1006, 8-11=-823/2092, 2-16=-1318/3036

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1389 lb uplift at joint 17 and 1206 lb uplift at joint 9.
6) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 3-0-0
7) Girder carries hip end with 7-0-0 right side setback, 3-0-0 left side setback, and 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 25-8-0, and 231 lb down and 119 lb up at 3-0-0 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=-118(F=-64), 8-10=-54, 16-17=-135(F=-105), 11-16=-65(F=-35), 9-11=-30
Concentrated Loads (lb)
Vert: 16=-231(F) 11=-539(F)

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051239

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T12	HIP	1	1	Job Reference (optional)

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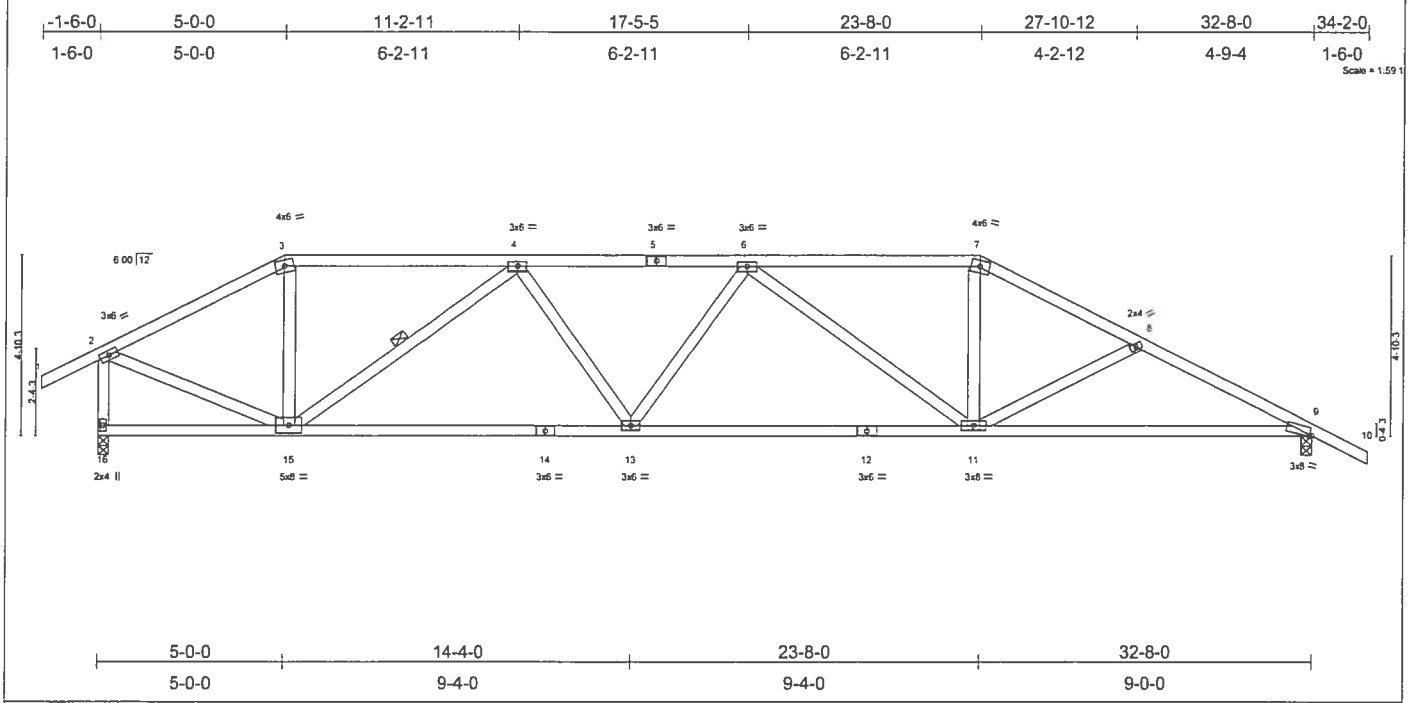

Plate Offsets (X,Y): [9:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.24	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.40	13-15	>962	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.10	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 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 3-8-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-14 oc bracing.
WEBS 1 Row at midpt 4-15

REACTIONS (lb/size) 16=1449/0-3-8, 9=1449/0-3-8
Max Horz 16=-124(load case 3)
Max Uplift16=-438(load case 5), 9=-484(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1506/642, 3-4=-1309/629, 4-5=-2389/1027, 5-6=-2389/1027, 6-7=-1999/891, 7-8=-2259/930, 8-9=-2488/1038, 9-10=0/35, 2-16=-1399/677
BOT CHORD 15-16=-33/120, 14-15=-712/2176, 13-14=-712/2176, 12-13=-800/2410, 11-12=-800/2410, 9-11=-787/2173
WEBS 3-15=-62/396, 4-15=-1118/465, 4-13=-44/391, 6-13=-51/112, 6-11=-602/316, 7-11=-189/695, 8-11=-221/215, 2-15=-435/1381

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 438 lb uplift at joint 16 and 484 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051240

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T13	HIP	1	1	Job Reference (optional)

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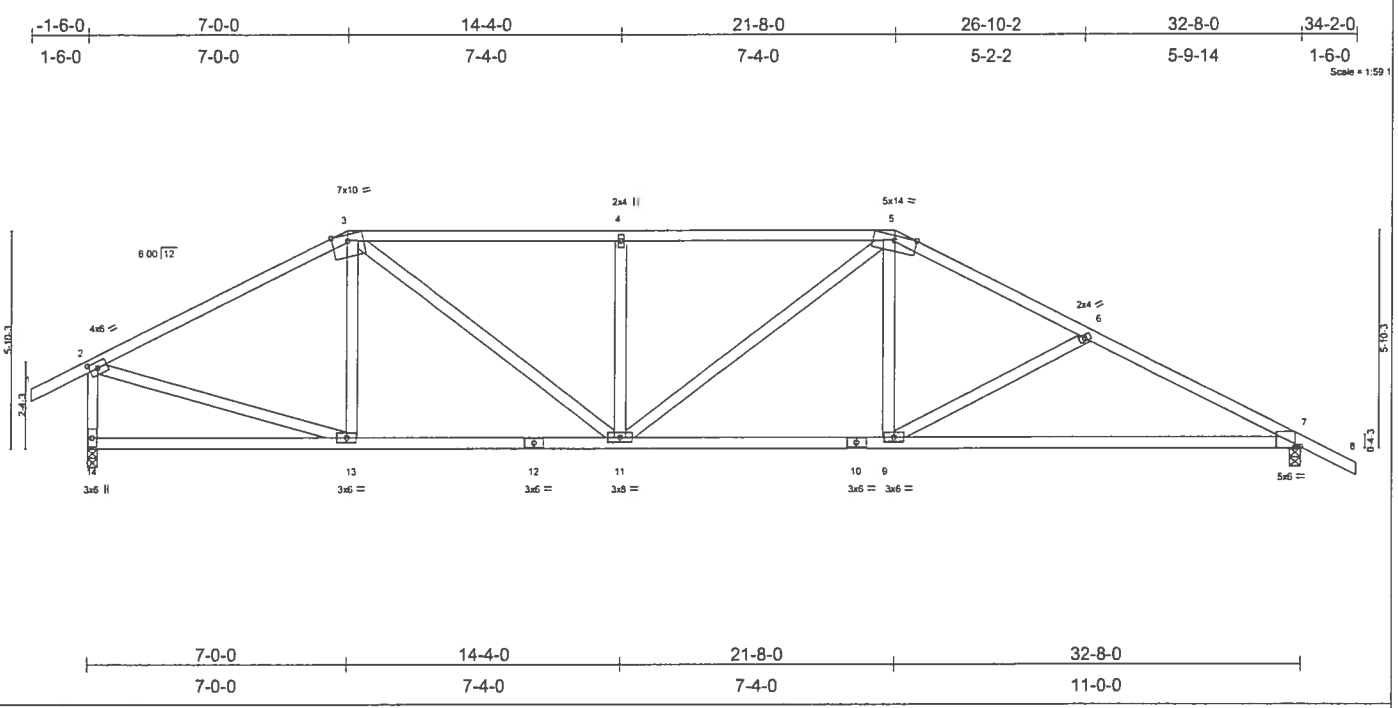

Plate Offsets (X,Y): [2:0-2-15,0-2-0], [7:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.39	7-9	>998	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.66	7-9	>586	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 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 3-4-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-1-9 oc bracing.

REACTIONS (lb/size) 14=1449/0-3-8, 7=1449/0-3-8
Max Horz 14=-138(load case 3)
Max Uplift14=-458(load case 5), 7=-502(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1628/706, 3-4=-1998/944, 4-5=-1998/944, 5-6=-2107/897, 6-7=-2419/1045, 7-8=0/35, 2-14=-1346/694
BOT CHORD 13-14=-80/139, 12-13=-362/1379, 11-12=-362/1379, 10-11=-527/1840, 9-10=-527/1840, 7-9=-781/2117
WEBS 3-13=-161/165, 3-11=-319/844, 4-11=-423/298, 5-11=-203/329, 5-9=-76/460, 6-9=-330/289, 2-13=-405/1325

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 458 lb uplift at joint 14 and 502 lb uplift at joint 7.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051241

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T14	HIP	1	1	Job Reference (optional)

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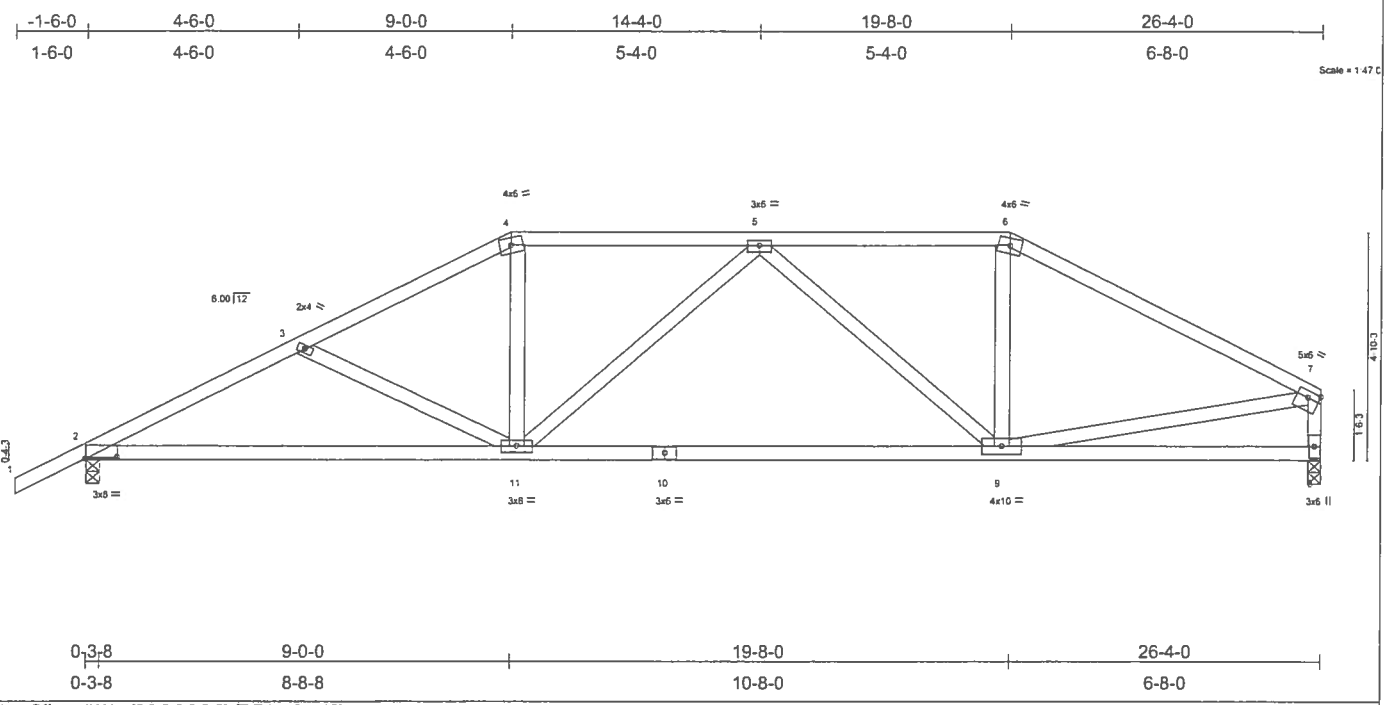

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [7:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	-0.26	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.44	9-11	>709	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.05	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-5 oc bracing.

REACTIONS (lb/size) 2=1185/0-3-8, 8=1091/0-3-8
Max Horz 2=151(load case 5)
Max Uplift2=-423(load case 5), 8=-305(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1941/820, 3-4=-1697/700, 4-5=-1485/683, 5-6=-1265/610, 6-7=-1484/602, 7-8=-1009/462
BOT CHORD 2-11=-719/1690, 10-11=-583/1531, 9-10=-583/1531, 8-9=-152/215
WEBS 3-11=-249/229, 4-11=-96/464, 5-11=-162/168, 5-9=-435/226, 6-9=-39/366, 7-9=-296/1058

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 2 and 305 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051242

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T15	HIP	1	1	Job Reference (optional)

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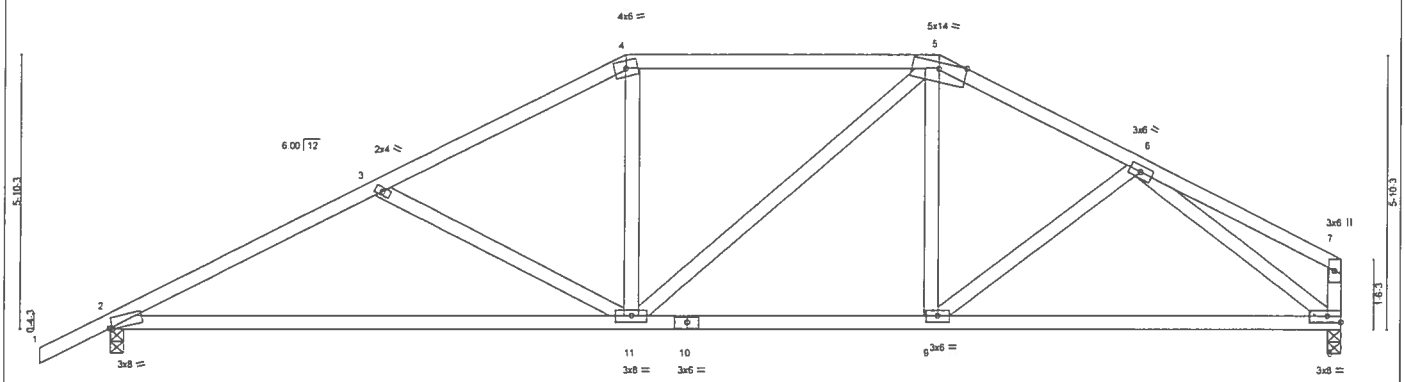
-1-6-0 | 5-8-0 | 11-0-0 | 17-8-0 | 21-10-4 | 26-4-0

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

Scale = 1:47.0



0-3-8 | 11-0-0 | 17-8-0 | 26-4-0

0-3-8 | 10-8-8 | 6-8-0 | 8-8-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.36	2-11	>858	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.62	2-11	>501	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-12 oc bracing.

REACTIONS (lb/size) 2=1185/0-3-8, 8=1091/0-3-8
Max Horz 2=165(load case 5)
Max Uplift2=-438(load case 5), 8=-322(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1851/823, 3-4=-1527/671, 4-5=-1316/662, 5-6=-1352/630, 6-7=-348/108, 7-8=-262/135
BOT CHORD 2-11=-708/1614, 10-11=-399/1177, 9-10=-399/1177, 8-9=-471/1112
WEBS 3-11=-347/298, 4-11=-45/334, 5-11=-94/274, 5-9=-30/162, 6-9=-54/193, 6-8=-1096/558

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 438 lb uplift at joint 2 and 322 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051243

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T16	HIP	1	1	Job Reference (optional)

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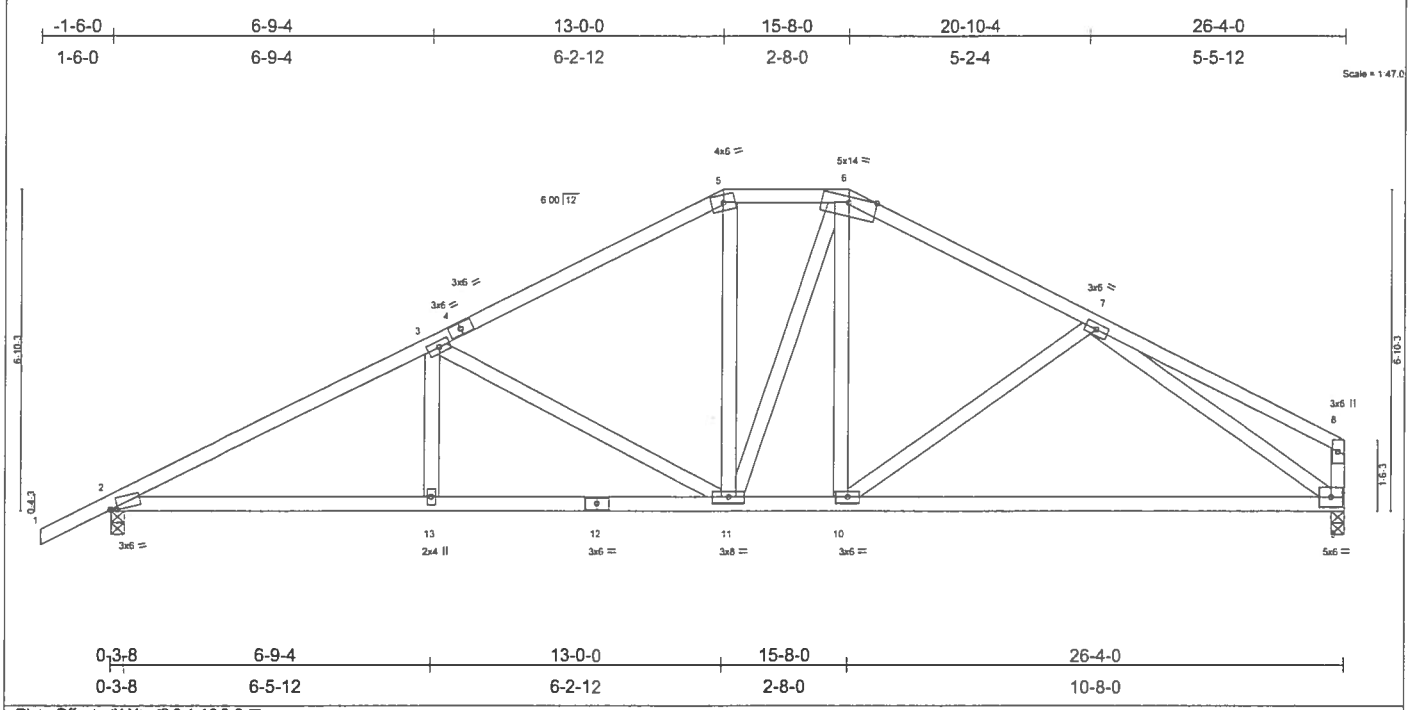

Plate Offsets (X,Y): [2:0-1-13,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.23	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.60	Vert(TL)	-0.39	9-10	>793	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 149 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7-1 oc bracing.

REACTIONS (lb/size) 2=1185/0-3-8, 9=1091/0-3-8
Max Horz 2=179(load case 5)
Max Uplift2=-450(load case 5), 9=-337(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1945/800, 3-4=-1309/612, 4-5=-1295/636, 5-6=-1104/634, 6-7=-1282/615, 7-8=-443/130, 8-9=-314/158
BOT CHORD 2-13=-680/1662, 12-13=-680/1662, 11-12=-680/1662, 10-11=-337/1092, 9-10=-500/1157
WEBS 3-13=0/233, 3-11=-644/359, 5-11=-93/332, 6-11=-139/147, 6-10=-59/338, 7-10=-126/204, 7-9=-1021/569

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 450 lb uplift at joint 2 and 337 lb uplift at joint 9.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051244

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T17	COMMON	3	1	Job Reference (optional)

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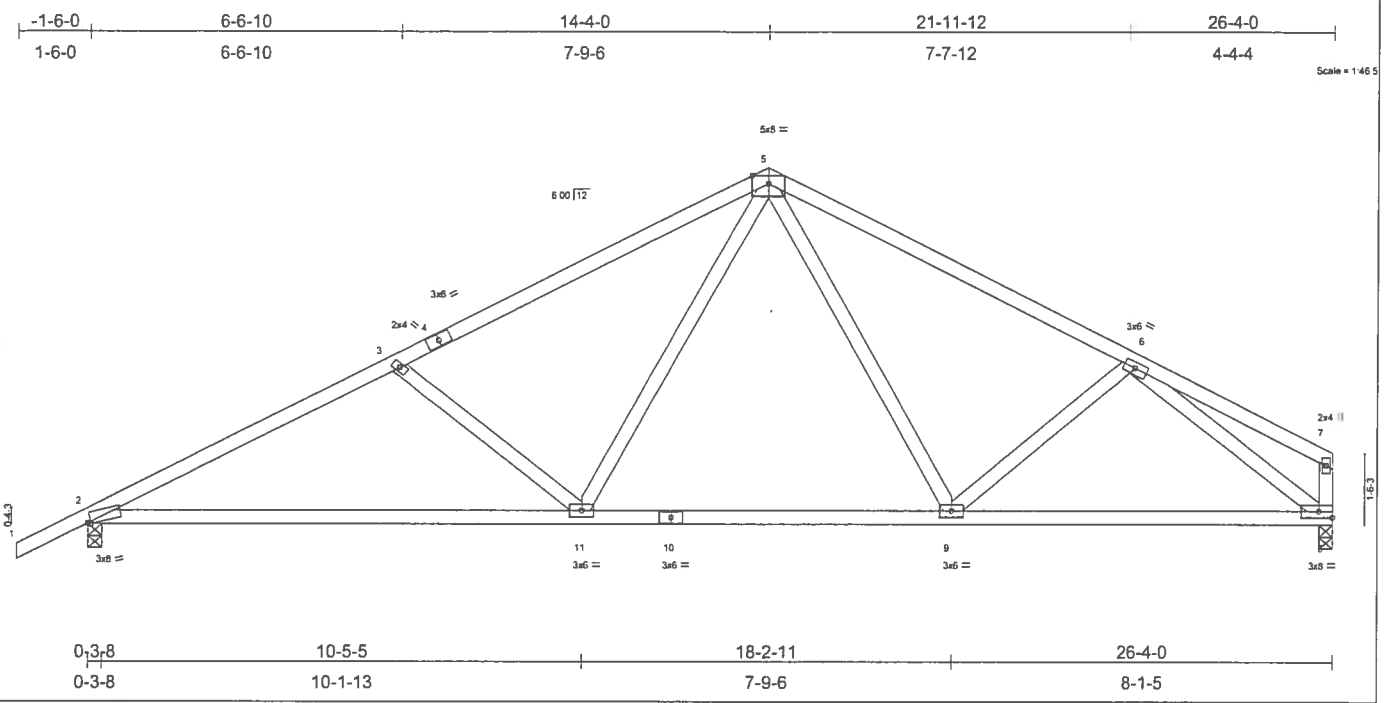

Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.29	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.50	2-11	>622	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.63	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 133 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 *Except*
W5 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.

REACTIONS (lb/size) 2=1185/0-3-8, 8=1091/0-3-8
Max Horz 2=188(load case 5)
Max Uplift2=-456(load case 5), 8=-345(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1856/846, 3-4=-1555/697, 4-5=-1383/724, 5-6=-1359/662, 6-7=-232/51, 7-8=-167/72
BOT CHORD 2-11=-727/1614, 10-11=-342/1012, 9-10=-342/1012, 8-9=-523/1158
WEBS 3-11=-424/372, 5-11=-202/640, 5-9=-98/327, 6-9=-110/205, 6-8=-1266/670

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 456 lb uplift at joint 2 and 345 lb uplift at joint 8.

LOAD CASE(S) Standard

DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051245

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T18	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:47 2005 Page 1

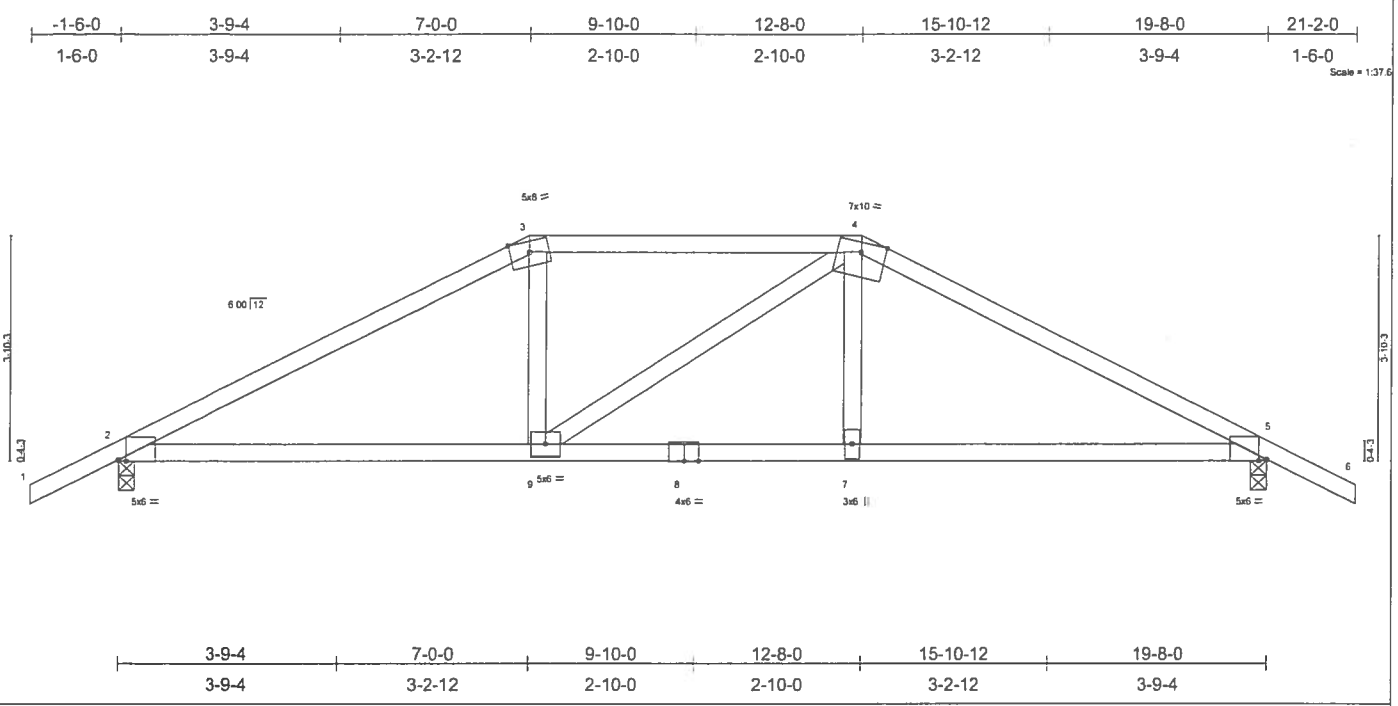

Plate Offsets (X,Y): [2:0-1-11,Edge], [5:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	-0.24	7-9	>972	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.09	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 85 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-13 oc bracing.

REACTIONS (lb/size) 2=1717/0-3-8, 5=1717/0-3-8
Max Horz 2=78(load case 4)
Max Uplift2=-764(load case 4), 5=-764(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-3093/1266, 3-4=-2718/1206, 4-5=-3092/1266, 5-6=0/35
BOT CHORD 2-9=-1066/2684, 8-9=-1032/2717, 7-8=-1032/2717, 5-7=-1023/2682
WEBS 3-9=-251/895, 4-9=-131/134, 4-7=-226/844

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 764 lb uplift at joint 2 and 764 lb uplift at joint 5.
5) Girder carries hip end with 7-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 12-8-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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

Dwg.#1219051246

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T19	HIP	1	1	Job Reference (optional)

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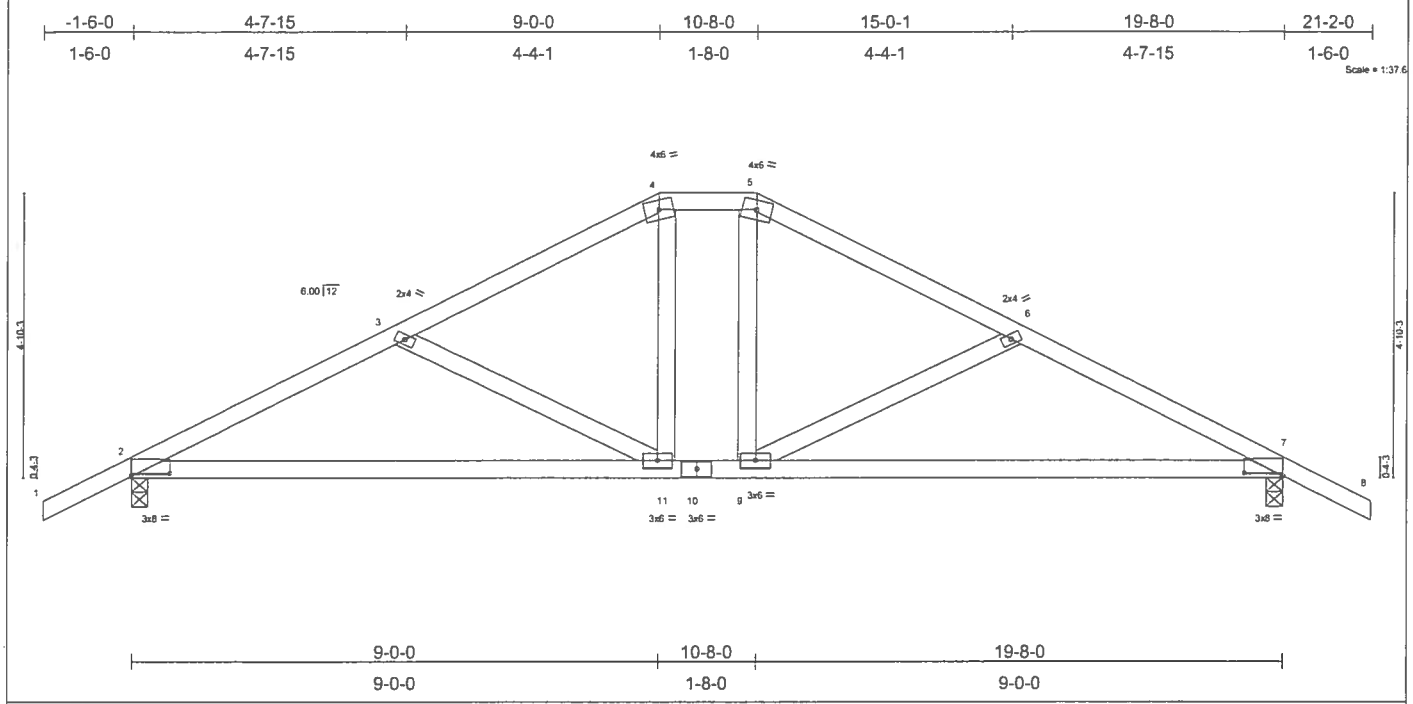

Plate Offsets (X,Y): [2:0-8-0,0-0-10], [7:0-8-0,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.18	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.29	2-11	>809	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 94 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=903/0-3-8, 7=903/0-3-8
Max Horz 2=-92(load case 6)
Max Uplift2=-355(load case 5), 7=-355(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1330/592, 3-4=-1055/460, 4-5=-898/463, 5-6=-1055/460, 6-7=-1330/592, 7-8=0/35
BOT CHORD 2-11=-395/1155, 10-11=-174/898, 9-10=-174/898, 7-9=-395/1155
WEBS 3-11=-324/249, 4-11=-76/292, 5-9=-76/292, 6-9=-324/249

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 355 lb uplift at joint 2 and 355 lb uplift at joint 7.

LOAD CASE(S) Standard

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Dwg.#1219051247

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T20	COMMON	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:49 2005 Page 1

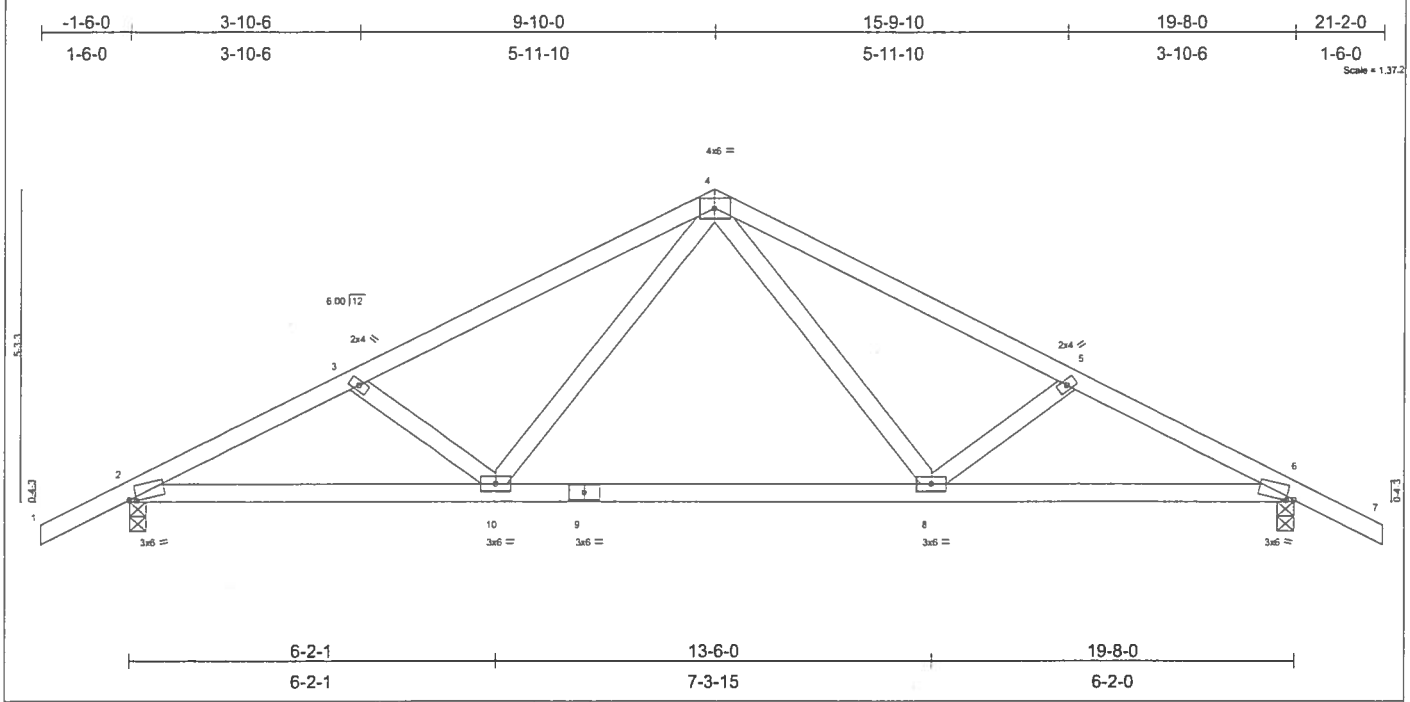

Plate Offsets (X,Y): [2:0-1-8,0-0-7], [6:0-1-8,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.24	8-10	>951	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.40	8-10	>586	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 94 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-13 oc bracing.

REACTIONS (lb/size) 2=1086/0-3-8, 6=1086/0-3-8
Max Horz 2=97(load case 5)
Max Uplift2=-448(load case 5), 6=-448(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1871/902, 3-4=-1698/834, 4-5=-1698/835, 5-6=-1871/902, 6-7=0/35
BOT CHORD 2-10=-680/1615, 9-10=-347/1057, 8-9=-347/1057, 6-8=-680/1615
WEBS 3-10=-226/214, 4-10=-277/699, 4-8=-278/699, 5-8=-226/214

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 448 lb uplift at joint 2 and 448 lb uplift at joint 6.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

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Dwg.#1219051248

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T22	COMMON	4	1	Job Reference (optional)

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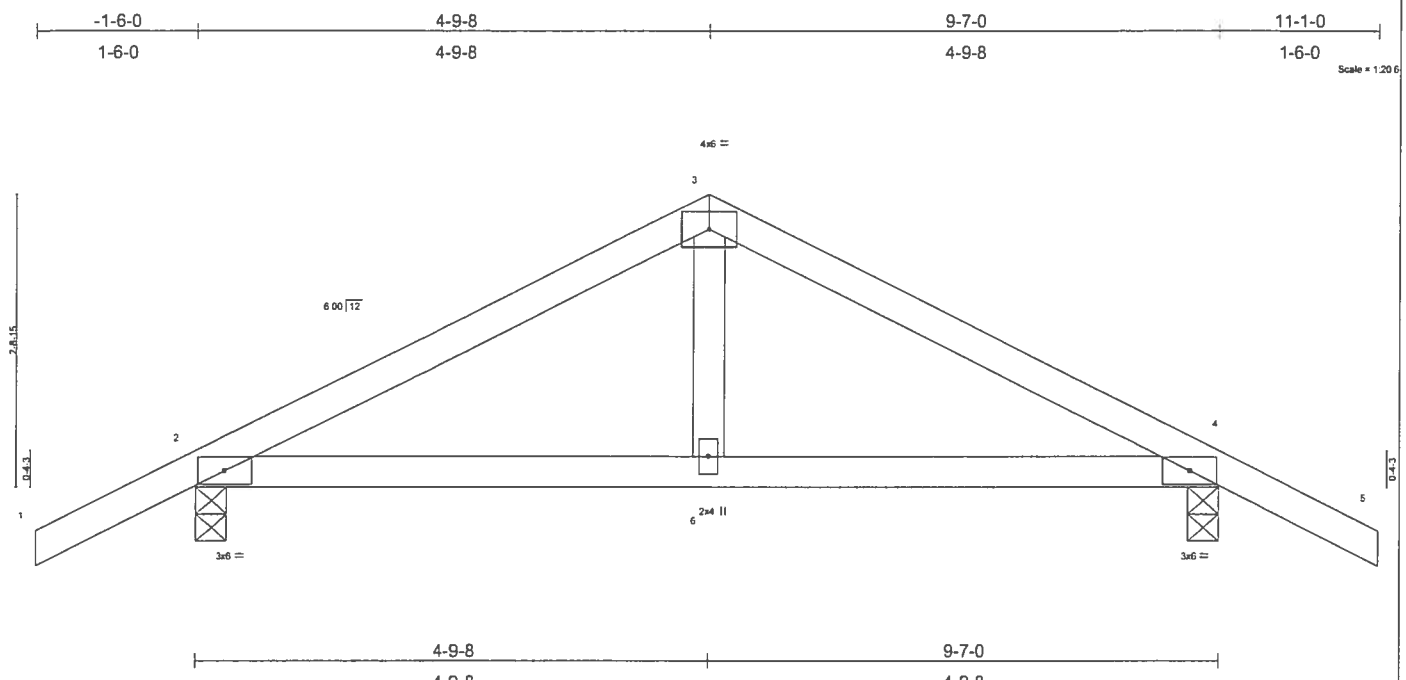

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.04	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	0.03	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 39 lb	

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

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

REACTIONS (lb/size) 2=479/0-3-8, 4=479/0-3-8
Max Horz 2=-62(load case 6)
Max Uplift2=-342(load case 5), 4=-342(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-520/601, 3-4=-520/601, 4-5=0/35
BOT CHORD 2-6=-399/414, 4-6=-399/414
WEBS 3-6=-284/161

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 2 and 342 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Dwg.#1219051249

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T22G	COMMON	1	1	Job Reference (optional)

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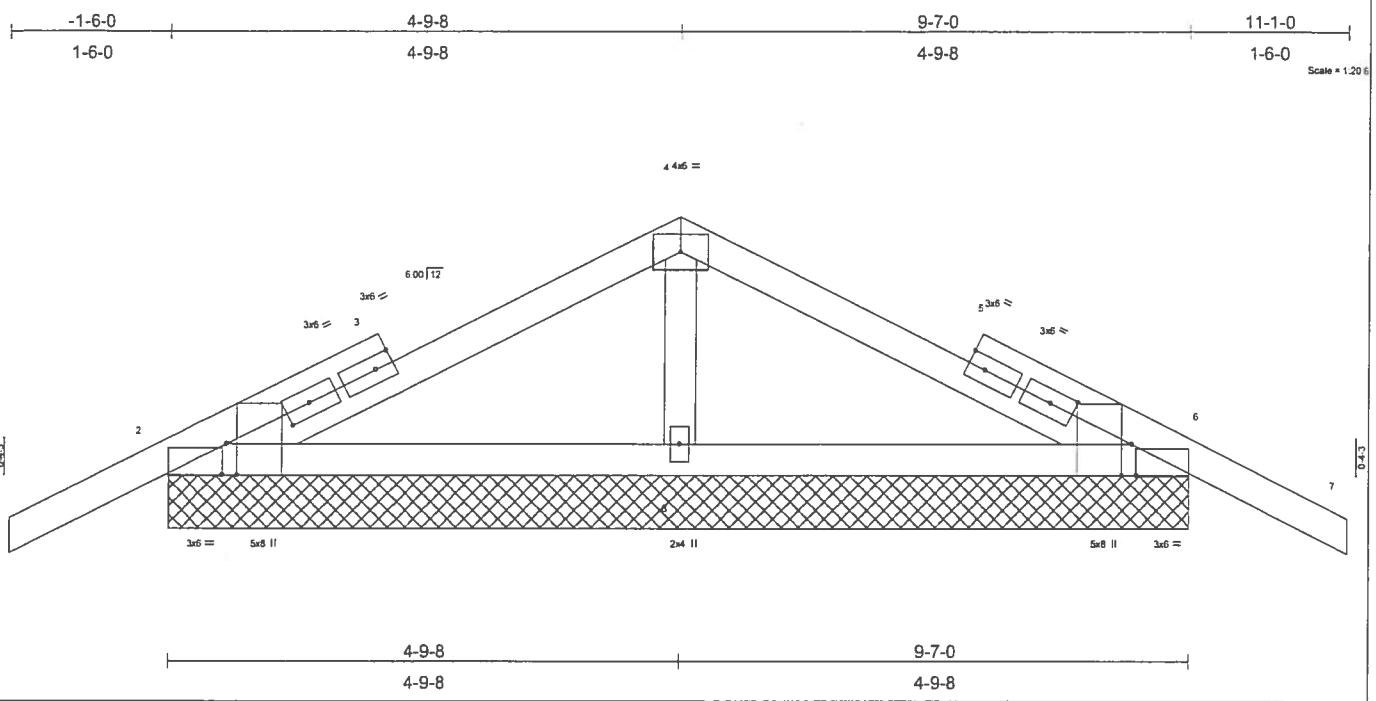

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [3:0-2-12,0-1-8], [5:0-2-12,0-1-8], [6:0-3-8,Edge], [6:0-0-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	0.02	7	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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 10-0-0 oc bracing.

REACTIONS (lb/size) 2=451/9-7-0, 6=451/9-7-0, 8=190/9-7-0
Max Horz 2=-57(load case 6)
Max Uplift2=-257(load case 5), 6=-258(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-0/41, 2-3=-461/337, 3-4=-415/340, 4-5=-415/340, 5-6=-461/337, 6-7=-0/41
BOT CHORD 2-8=-195/379, 6-8=-195/379

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 257 lb uplift at joint 2 and 258 lb uplift at joint 6.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-64(F=-10), 4-7=-64(F=-10), 2-6=-30

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

Dwg.#1219051250

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T23	COMMON	1	1	Job Reference (optional)

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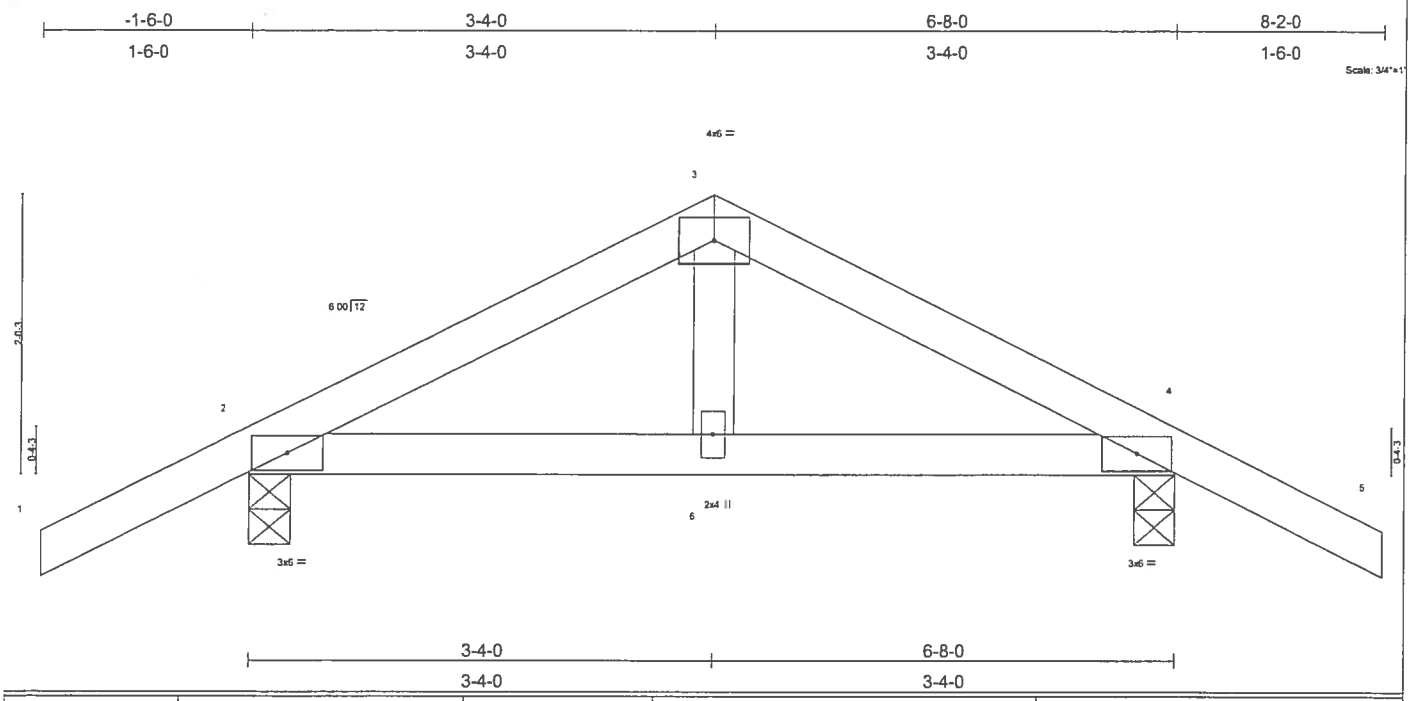

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	4-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	-0.01	4-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 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=357/0-3-8, 4=357/0-3-8
Max Horz 2=52(load case 5)
Max Uplift2=-189(load case 6), 4=-189(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-307/113, 3-4=-307/113, 4-5=0/35
BOT CHORD 2-6=0/225, 4-6=0/225
WEBS 3-6=0/116

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 189 lb uplift at joint 2 and 189 lb uplift at joint 4.

LOAD CASE(S) Standard

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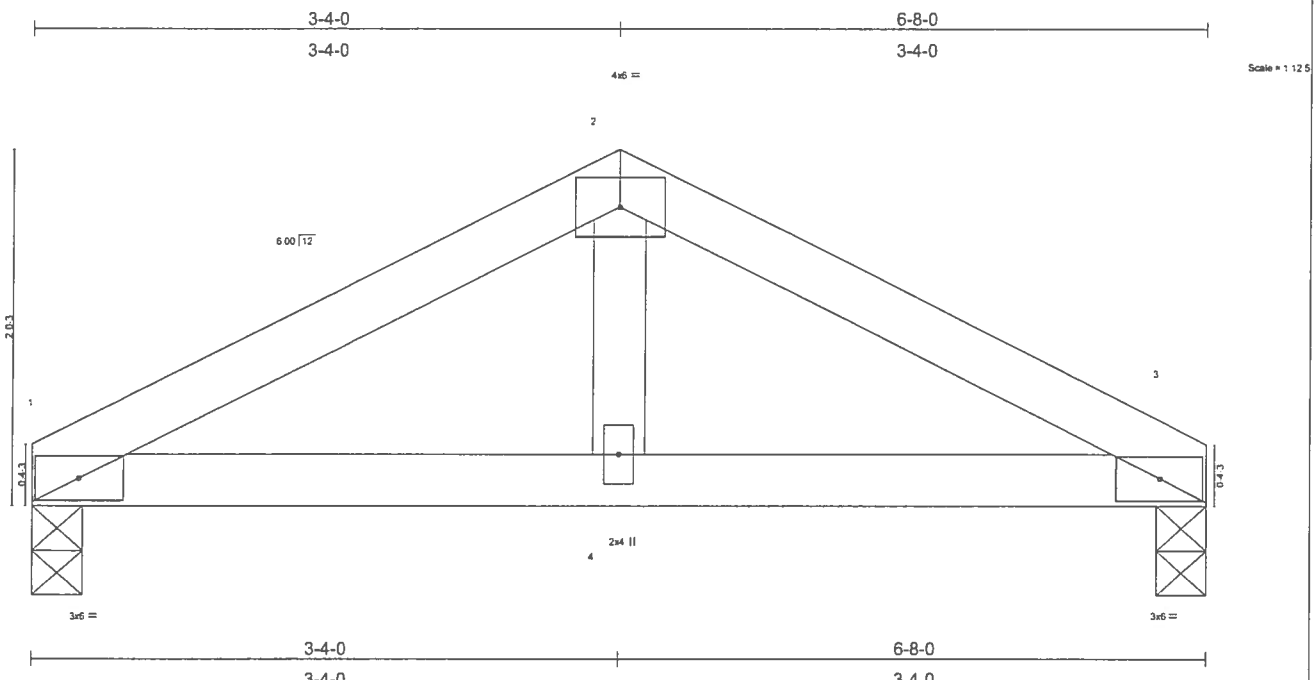
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1219051251

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T23A	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:53 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.02	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.03	3-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.01	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
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 1=583/0-3-8, 3=583/0-3-8
Max Horz 1=-25(load case 2)
Max Uplift1=-206(load case 4), 3=-206(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-745/244, 2-3=-745/244
BOT CHORD 1-4=-183/628, 3-4=-183/628
WEBS 2-4=-122/501

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 mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 1 and 206 lb uplift at joint 3.
4) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 6-8-0
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, 2-3=-54, 1-3=-129(F=-99)

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Dwg.#1219051252

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143648	T23G	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 15:27:54 2005 Page 1

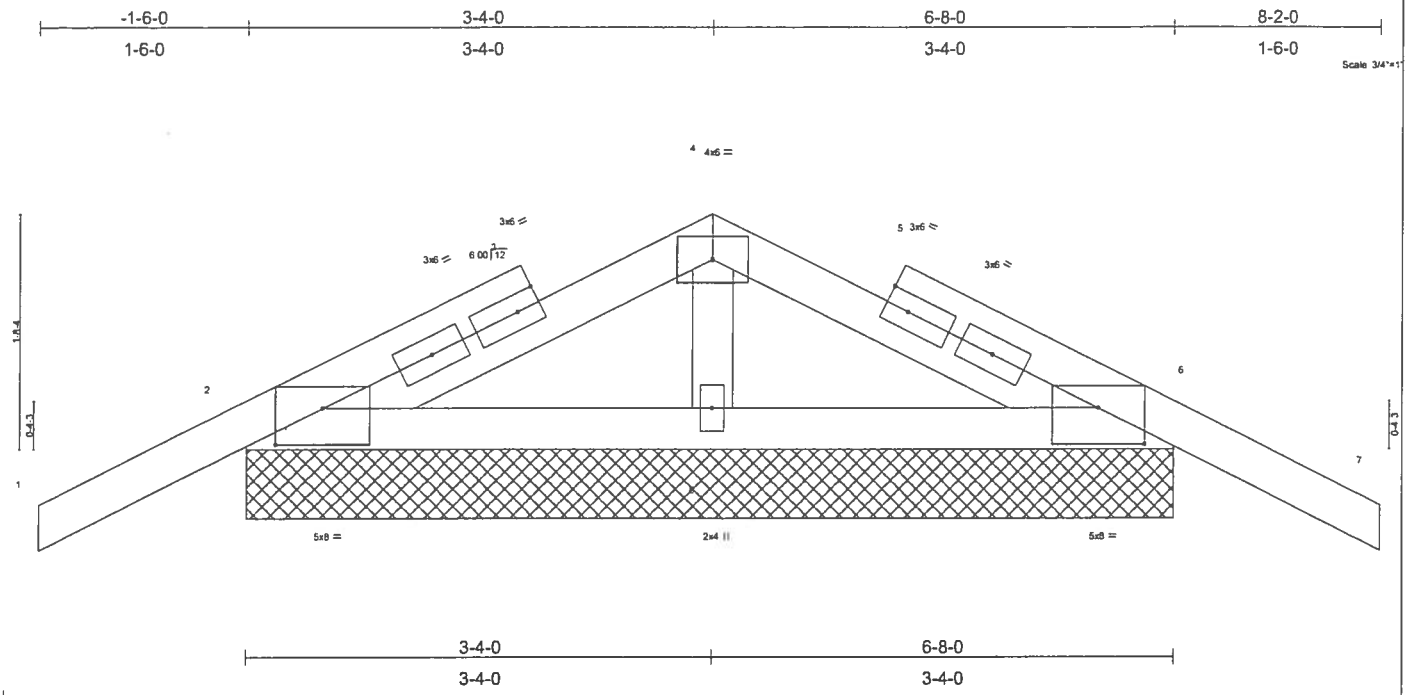


Plate Offsets (X,Y): [2:0-4-0,0-3-1], [6:0-4-0,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.01	7	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 lb	

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

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

REACTIONS (lb/size) 2=309/6-8-0, 6=310/6-8-0, 8=422/6-8-0
Max Horz 2=47(load case 5)
Max Uplift2=-193(load case 5), 6=-202(load case 6), 8=-103(load case 5)
Max Grav 2=317(load case 9), 6=317(load case 10), 8=422(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-8/56, 2-3=-29/85, 3-4=-33/125, 4-5=-33/125, 5-6=-25/85, 6-7=-8/56
BOT CHORD 2-8=-79/135, 6-8=-79/135
WEBS 4-8=-297/212

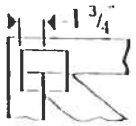
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 2, 202 lb uplift at joint 6 and 103 lb uplift at joint 8.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 6.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

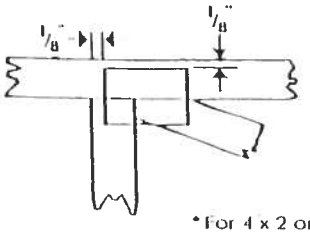
DECEMBER 19, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

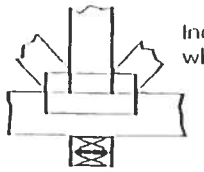
4 X 4

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

LATERAL BRACING

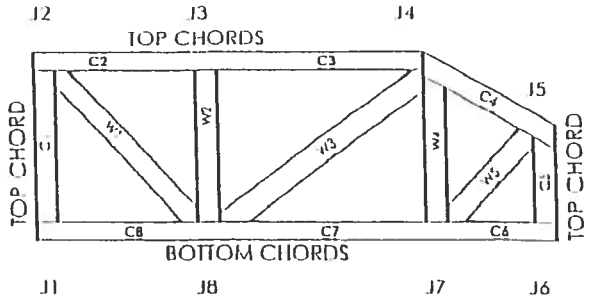
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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