Project Information for:	L144266		
Builder:	HUGO ESCALANTE	Date:	1/5/2006
Lot:	LOT 39 THREE RIVERS EST/	Start Number:	**1609**
Subdivision:	N/A		
County or City:	COLUMBIA COUNTY		
Truss Page Count:	39		

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	105061609	1/5/2006				
2	CJ1A	105061610	1/5/2006				
3	CJ3	105061611	1/5/2006				
4	CJ5	105061612	1/5/2006				
5	E5	105061613	1/5/2006				
6	EJ7	105061614	1/5/2006				
7	EJ7A	105061615	1/5/2006				
8	HJ7	105061616	1/5/2006				
9	HJ7A	105061617	1/5/2006				
10	HJ9	105061618	1/5/2006				
11	T01	105061619	1/5/2006				
12	T01G	105061620	1/5/2006				
13	T02	105061621	1/5/2006				
14	T03	105061622	1/5/2006				
15	T04	105061623	1/5/2006				
16	T05	105061624	1/5/2006				
17	T06	105061625	1/5/2006				
18	T07	105061626	1/5/2006				
19	T08	105061627	1/5/2006				
20	T09	105061628	1/5/2006				
21	T10	105061629	1/5/2006				
22	T11	105061630	1/5/2006				
23	T12	105061631	1/5/2006				
24	T13	105061632	1/5/2006				
25	T14	105061633	1/5/2006				
26	T15	105061634	1/5/2006				
27	T16	105061635	1/5/2006				
28	T17	105061636	1/5/2006				
29	T18	105061637	1/5/2006				
30	T19	105061638	1/5/2006				
31	T20	105061639	1/5/2006				
32	T21	105061640	1/5/2006				
33	T22	105061641	1/5/2006				
34	T23	105061642	1/5/2006				
35	T24	105061643	1/5/2006				
36	T25	105061644	1/5/2006				
37	T26	105061645	1/5/2006				
38	T27	105061646	1/5/2006				
39	T27G	105061647	1/5/2006				

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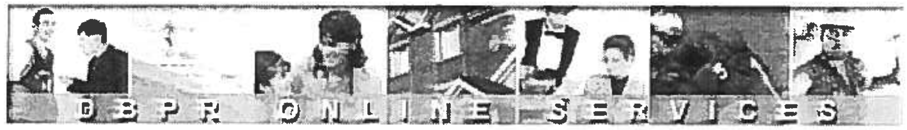

02:00:39 PM 10/6/2004

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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JANUARY 05, 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.#0105061609

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	CJ1	MONO TRUSS	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:08 2006 Page 1

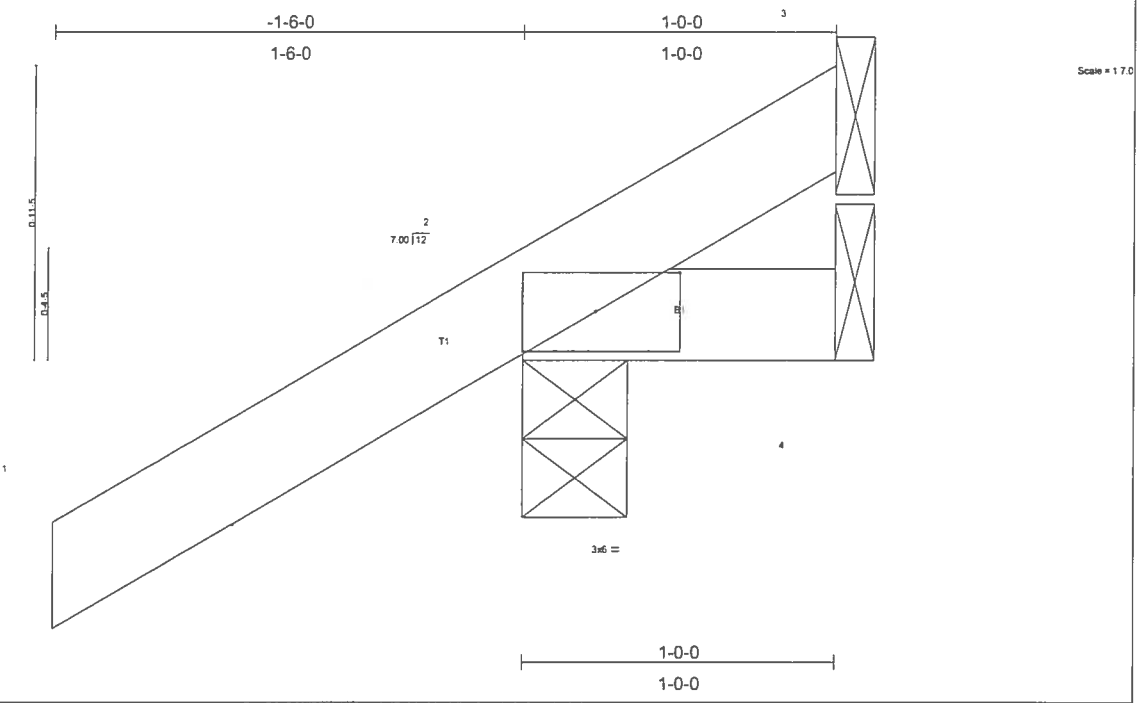

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	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=189/0-4-0, 4=14/Mechanical, 3=-41/Mechanical
Max Horz 2=82(load case 5)
Max Uplift2=-196(load case 5), 4=-11(load case 3), 3=-41(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=65(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-50/41
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2, 11 lb uplift at joint 4 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061610

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	CJ1A	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:08 2006 Page 1

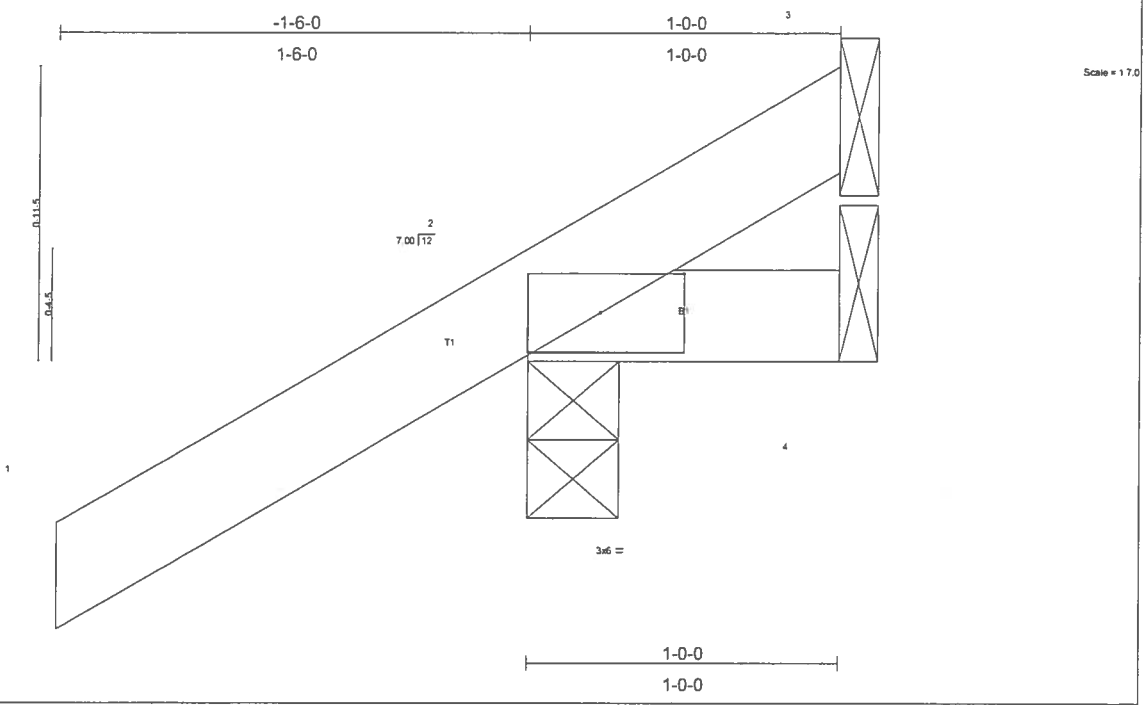

Plate Offsets (X,Y) [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	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=82(load case 5)
Max Uplift2=-196(load case 5), 4=-11(load case 3), 3=-40(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=64(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-50/41
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2, 11 lb uplift at joint 4 and 40 lb uplift at joint 3.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061611

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	CJ3	MONO TRUSS	12	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 -6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:09 2006 Page 1

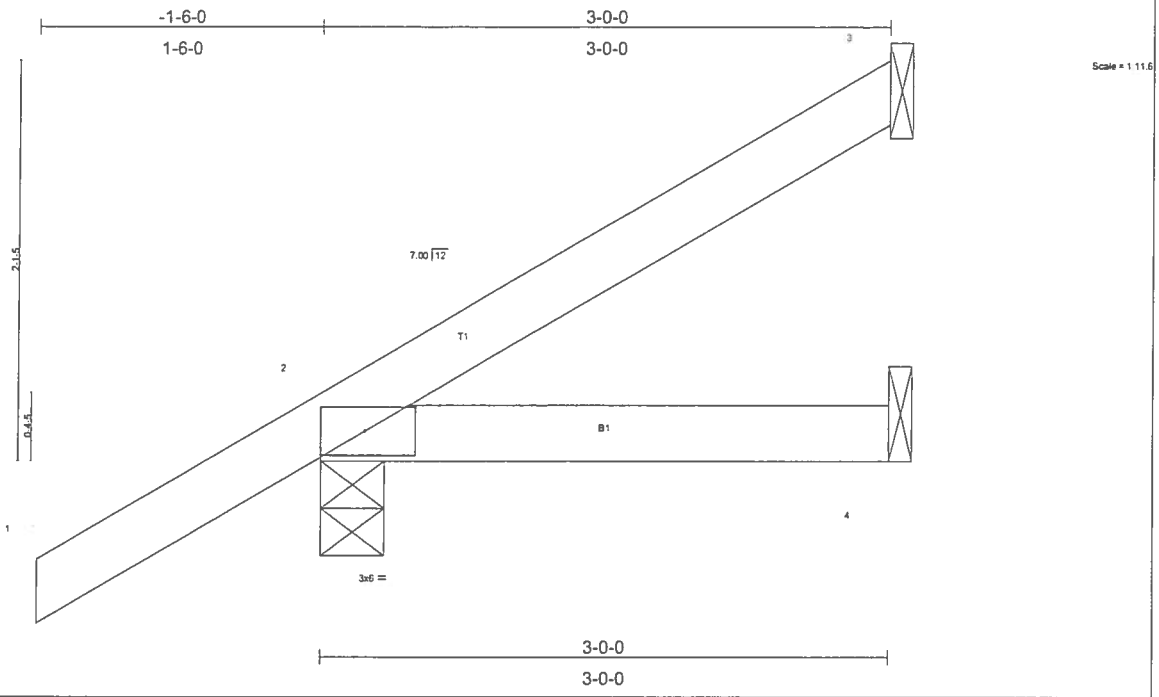

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	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: 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=16/Mechanical, 2=318/0-4-0, 4=42/Mechanical
Max Horz 2=135(load case 5)
Max Uplift3=-23(load case 6), 2=-240(load case 5), 4=-33(load case 3)
Max Grav 3=35(load case 3), 2=318(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-27/64, 2-3=-72/17
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3, 240 lb uplift at joint 2 and 33 lb uplift at joint 4.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 53 lb down and 63 lb up at -1-6-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-3=-54, 2-4=-30
Concentrated Loads (lb)
Vert: 1=-53(F)

JANUARY 05, 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.#0105061612

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	CJ5	MONO TRUSS	8	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:09 2006 Page 1

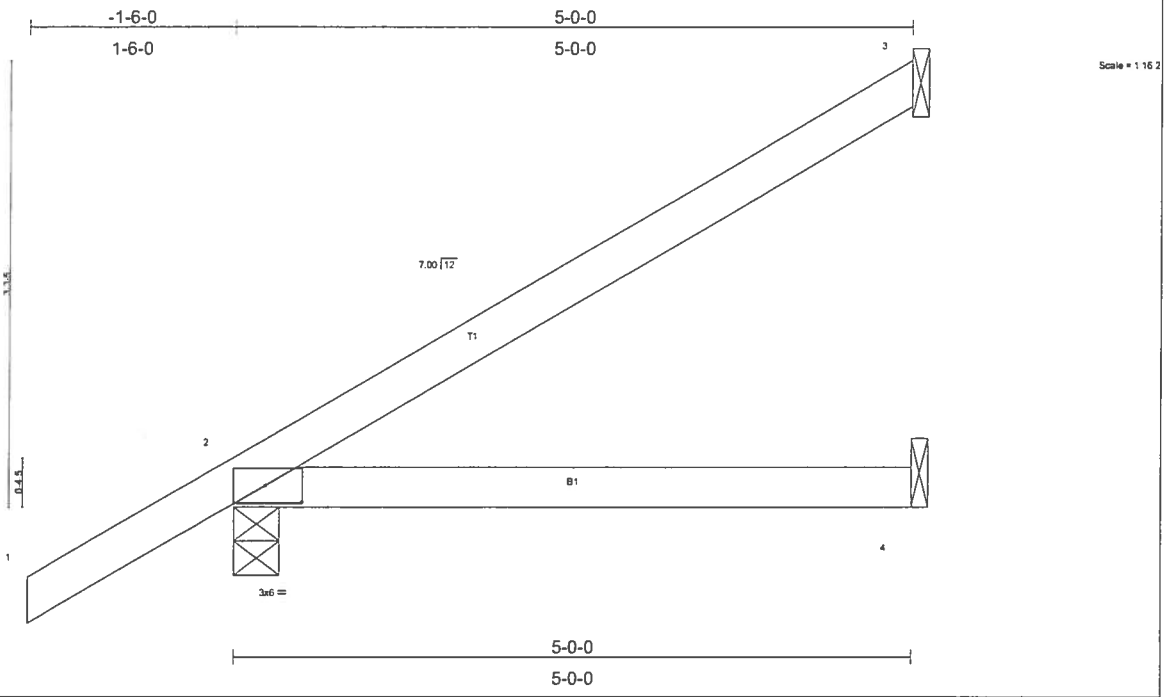

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

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=189(load case 5)
Max Uplift3=-110(load case 5), 2=-149(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-85/46
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 3 and 149 lb uplift at joint 2.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061613

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	EJ5	MONO TRUSS	9	1	Job Reference (optional)

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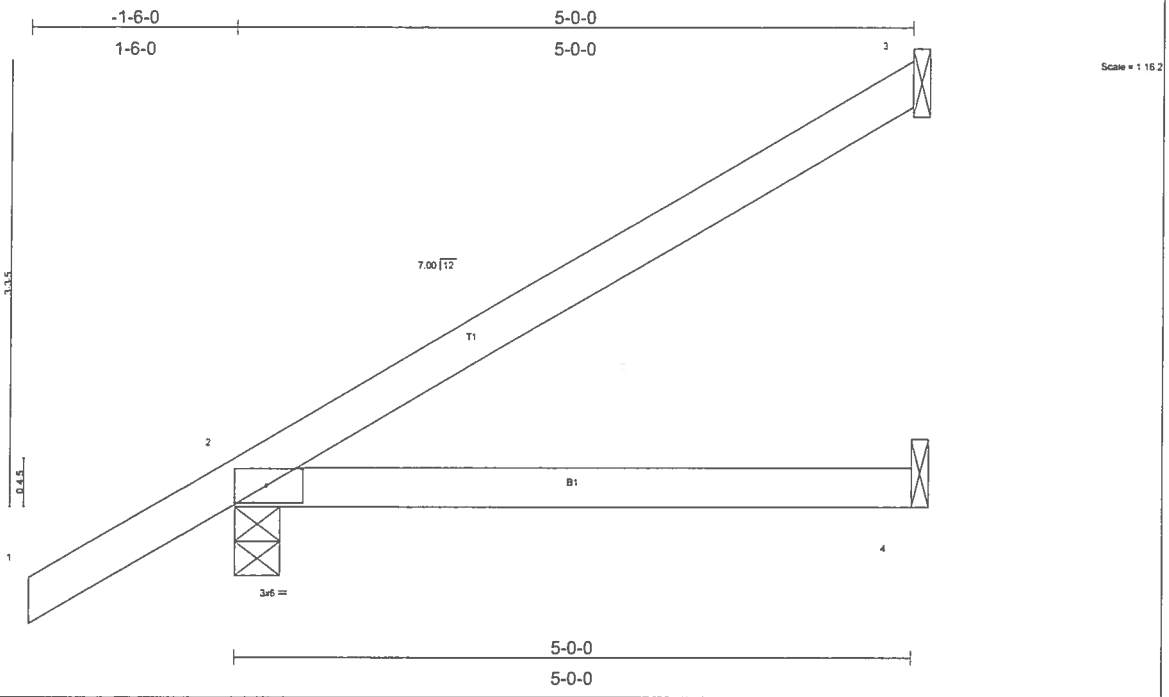


Plate Offsets (X,Y): [2:0-3-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	0.09	2-4	>672	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	0.07	2-4	>784	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=188(load case 5)
Max Uplift3=-110(load case 5), 2=-209(load case 5), 4=-56(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-85/46
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 3, 209 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061614

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	EJ7	MONO TRUSS	30	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:10 2006 Page 1

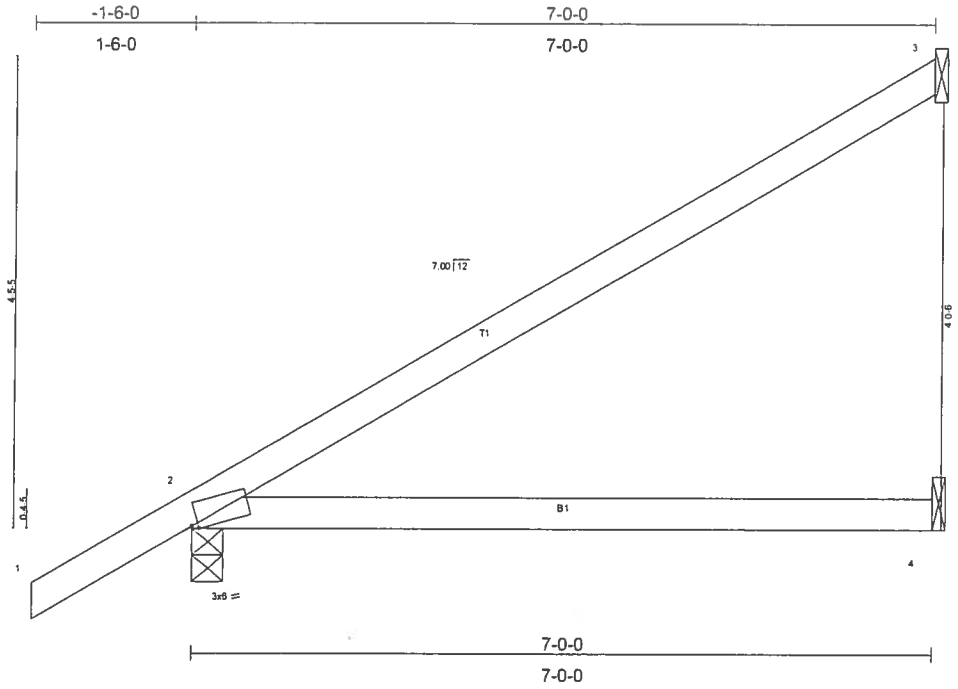


Plate Offsets (X,Y): [2:0-0-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.14	2-4	>599	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.23	2-4	>361	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=165/Mechanical, 2=385/0-3-8, 4=109/Mechanical
Max Horz 2=242(load case 5)
Max Uplift3=-151(load case 5), 2=-158(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-114/66
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 151 lb uplift at joint 3 and 158 lb uplift at joint 2.

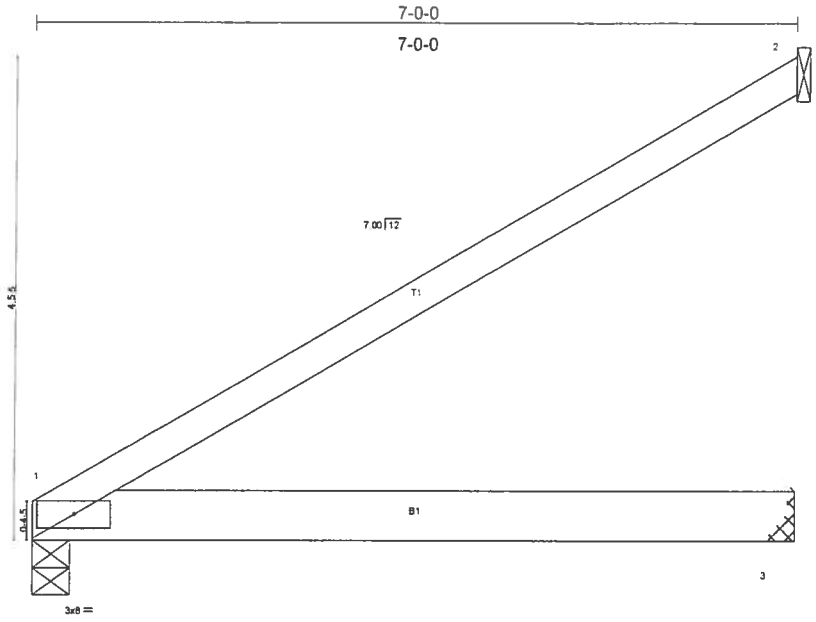
LOAD CASE(S) Standard

JANUARY 05, 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.#0105061615

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	EJ7A	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:11 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	0.46	Vert(LL)	-0.19	1-3	>426	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.30	1-3	>265	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-2-13 oc bracing.

REACTIONS (lb/size) 1=906/0-4-0, 2=177/Mechanical, 3=729/Mechanical
Max Horz 1=185(load case 5)
Max Uplift1=-321(load case 5), 2=-156(load case 5), 3=-275(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-114/72
BOT CHORD 1-3=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 321 lb uplift at joint 1, 156 lb uplift at joint 2 and 275 lb uplift at joint 3.
5) Girder carries tie-in span(s): 11-0-0 from 0-0-0 to 7-0-0
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

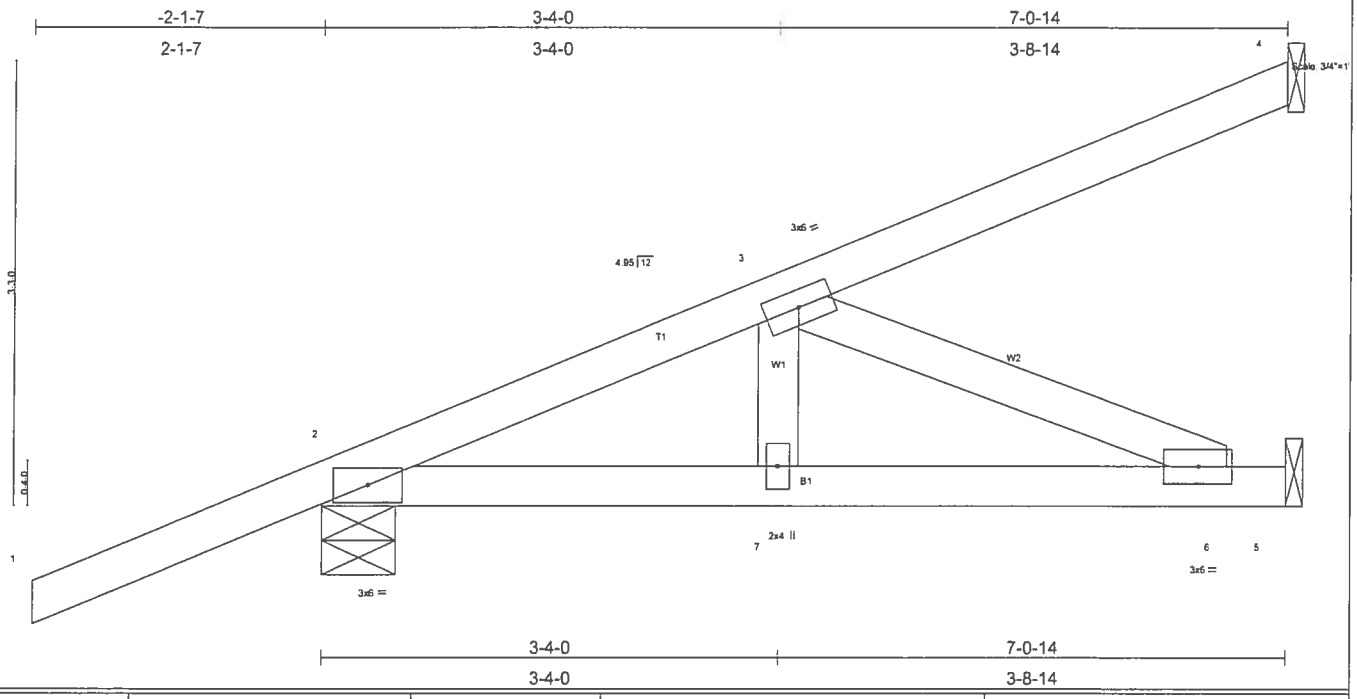
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 1-3=-216(F=-186)

JANUARY 05, 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.#0105061616

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	HJ7	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:12 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	0.33	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.03	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.08	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 32 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=132/Mechanical, 2=327/0-6-7, 5=183/Mechanical
Max Horz 2=173(load case 4)
Max Uplift4=-118(load case 4), 2=-185(load case 4), 5=-24(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-327/0, 3-4=-60/37
BOT CHORD 2-7=-84/284, 6-7=-84/284, 5-6=0/0
WEBS 3-7=0/84, 3-6=-308/91

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 118 lb uplift at joint 4, 185 lb uplift at joint 2 and 24 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-95(F=-21, B=-21), 2=0(F=15, B=15)-to-5=-53(F=-12, B=-12)

JANUARY 05, 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.#0105061617

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	HJ7A	MONO TRUSS	1	1	Job Reference (optional)

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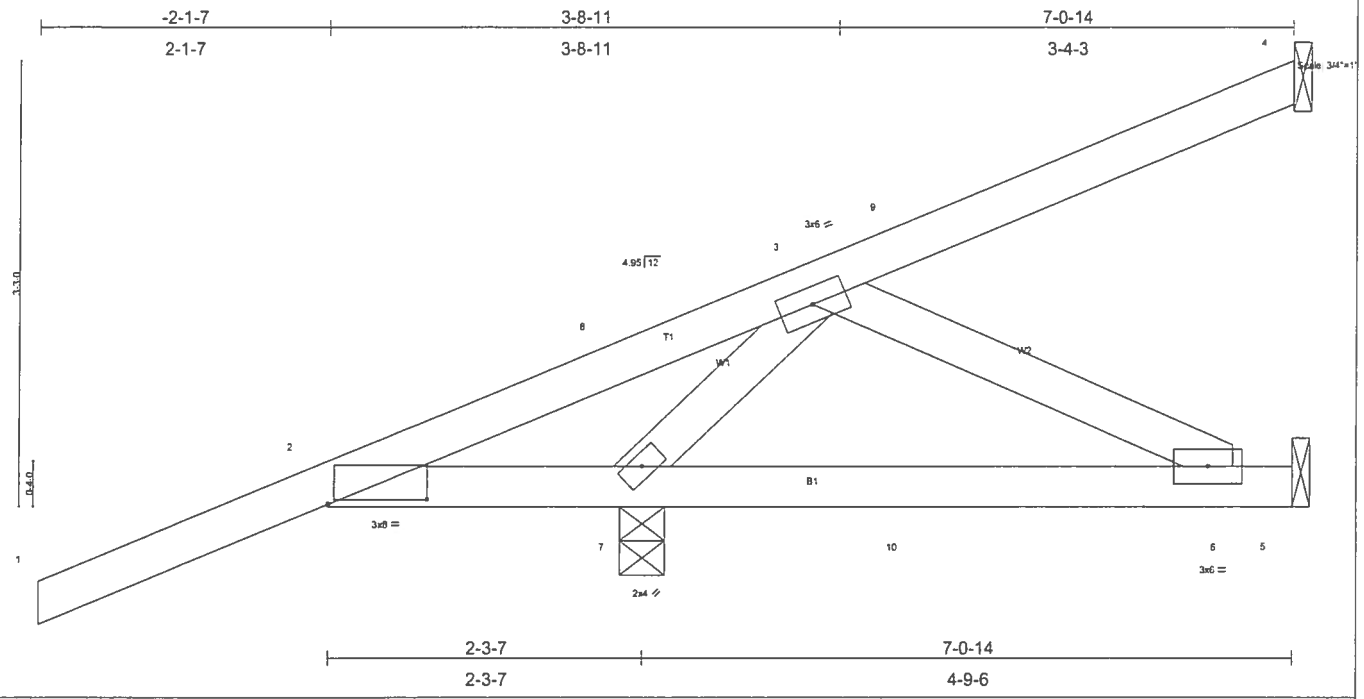

Plate Offsets (X,Y): [2:0-8-8,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.89	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.04	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	-0.00	4	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.
BOT CHORD Rigid ceiling directly applied or 5-0-9 oc bracing.

REACTIONS (lb/size) 4=112/Mechanical, 5=-17/Mechanical, 7=1155/0-4-0
Max Horz 7=189(load case 4)
Max Uplift4=-76(load case 4), 5=-17(load case 1), 7=-591(load case 4)
Max Grav 4=112(load case 1), 5=66(load case 4), 7=1155(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-16/103, 2-8=-929/1340, 3-8=-934/1447, 3-9=-71/0, 4-9=-30/34
BOT CHORD 2-7=-1297/956, 7-10=-351/186, 6-10=-351/186, 5-6=0/0
WEBS 3-6=-206/390, 3-7=-1380/847

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left exposed ; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 76 lb uplift at joint 4, 17 lb uplift at joint 5 and 591 lb uplift at joint 7.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 127 lb down and 48 lb up at -2-1-7 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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
Concentrated Loads (lb)
Vert: 1=-127(F)
Trapezoidal Loads (plf)
Vert: 1=-54-to-2=-88(F=-34), 2=-83(F=-29)-to-8=-111(F=-57), 8=-54-to-9=-106(F=-52), 9=-106(F=-52)-to-4=-61(F=-7), 2=-35(F=-5)-to-7=-41(F=-11), 7=-30(F=-0)-to-10=-59(F=-29), 10=-59(F=-29)-to-5=-80(F=-50)

JANUARY 05, 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.#0105061618

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	HJ9	MONO TRUSS	4	1	Job Reference (optional)

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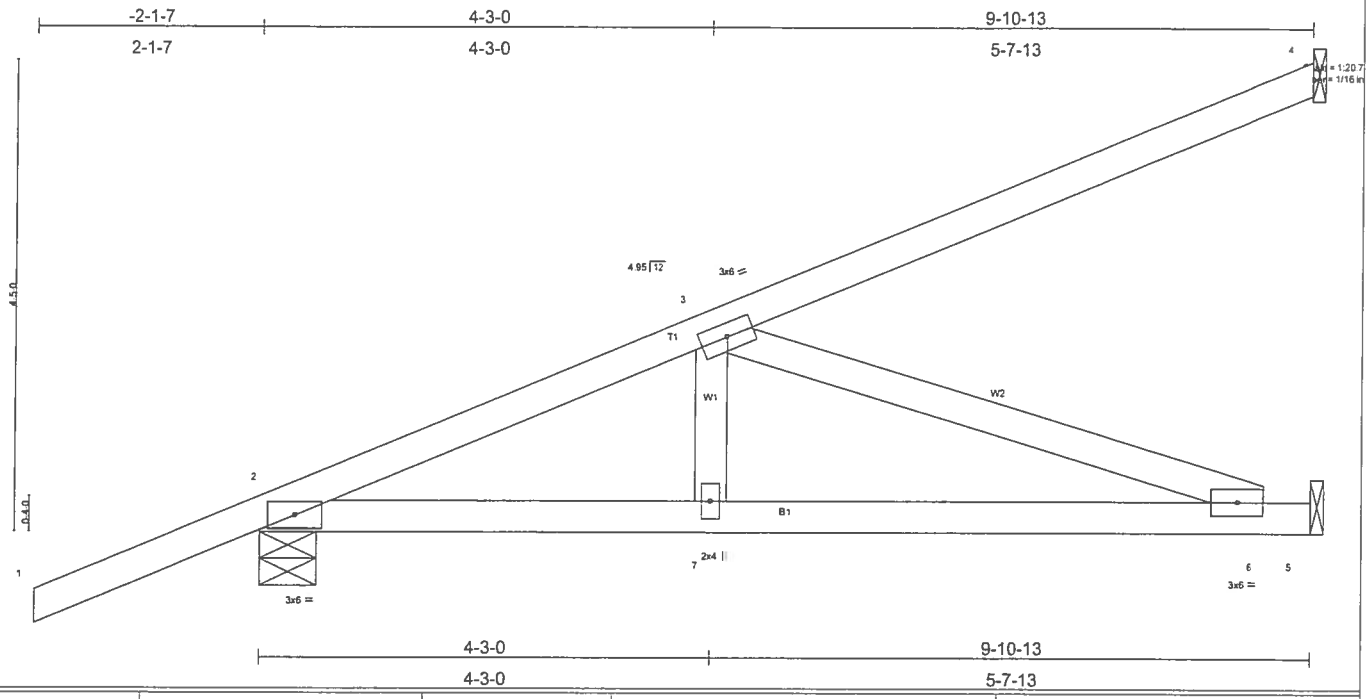

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.18	6-7	>654	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=267/Mechanical, 2=488/0-6-7, 5=386/Mechanical
Max Horz 2=298(load case 4)
Max Uplift4=-246(load case 4), 2=-211(load case 4), 5=-85(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-821/114, 3-4=-126/74
BOT CHORD 2-7=-344/746, 6-7=-344/746, 5-6=0/0
WEBS 3-7=0/209, 3-6=-789/364

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 246 lb uplift at joint 4, 211 lb uplift at joint 2 and 85 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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

Dwg.#0105061619

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T01	COMMON	4	1	Job Reference (optional)

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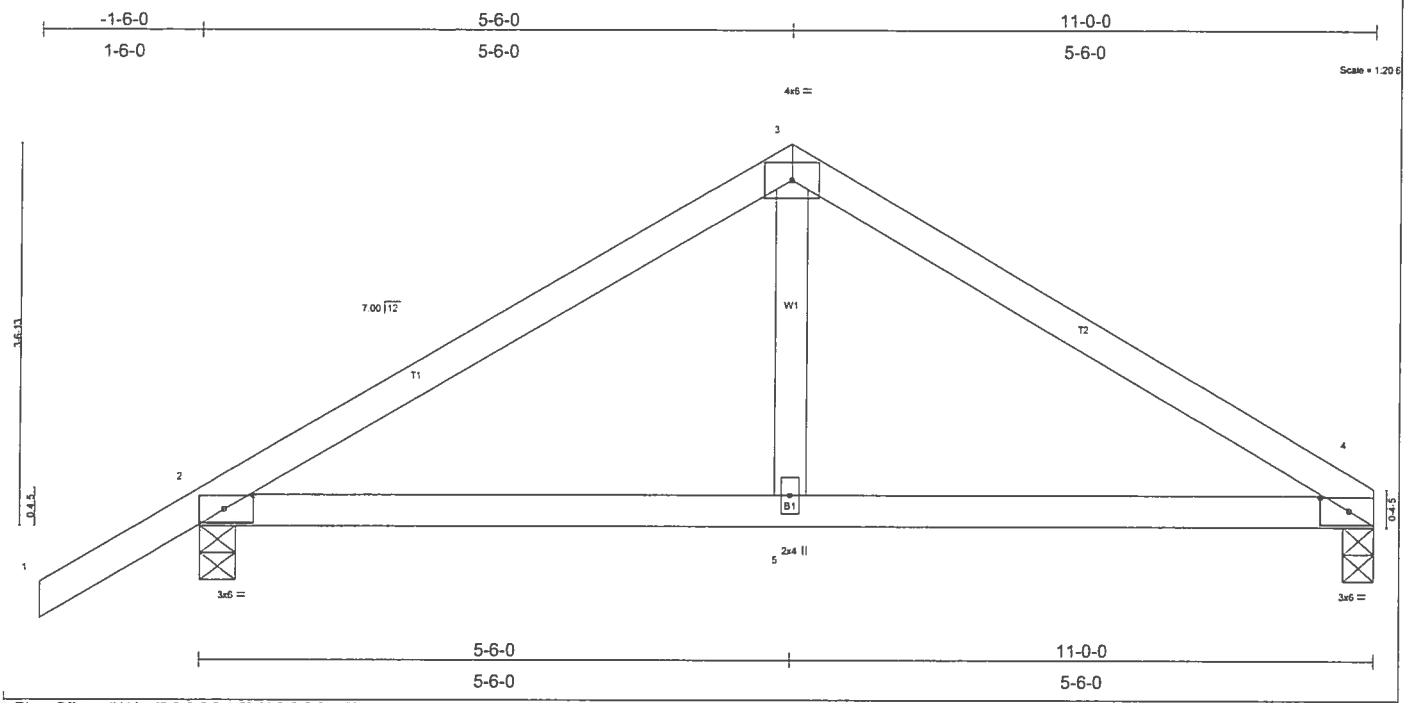

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [4:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.04	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.06	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	4	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
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=442/0-3-8, 2=546/0-4-0
Max Horz 2=132(load case 4)
Max Uplift4=-141(load case 6), 2=-247(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-581/207, 3-4=-577/202
BOT CHORD 2-5=-93/440, 4-5=-93/440
WEBS 3-5=0/206

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 141 lb uplift at joint 4 and 247 lb uplift at joint 2.

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.#0105061620

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T01G	COMMON	1	1	Job Reference (optional)

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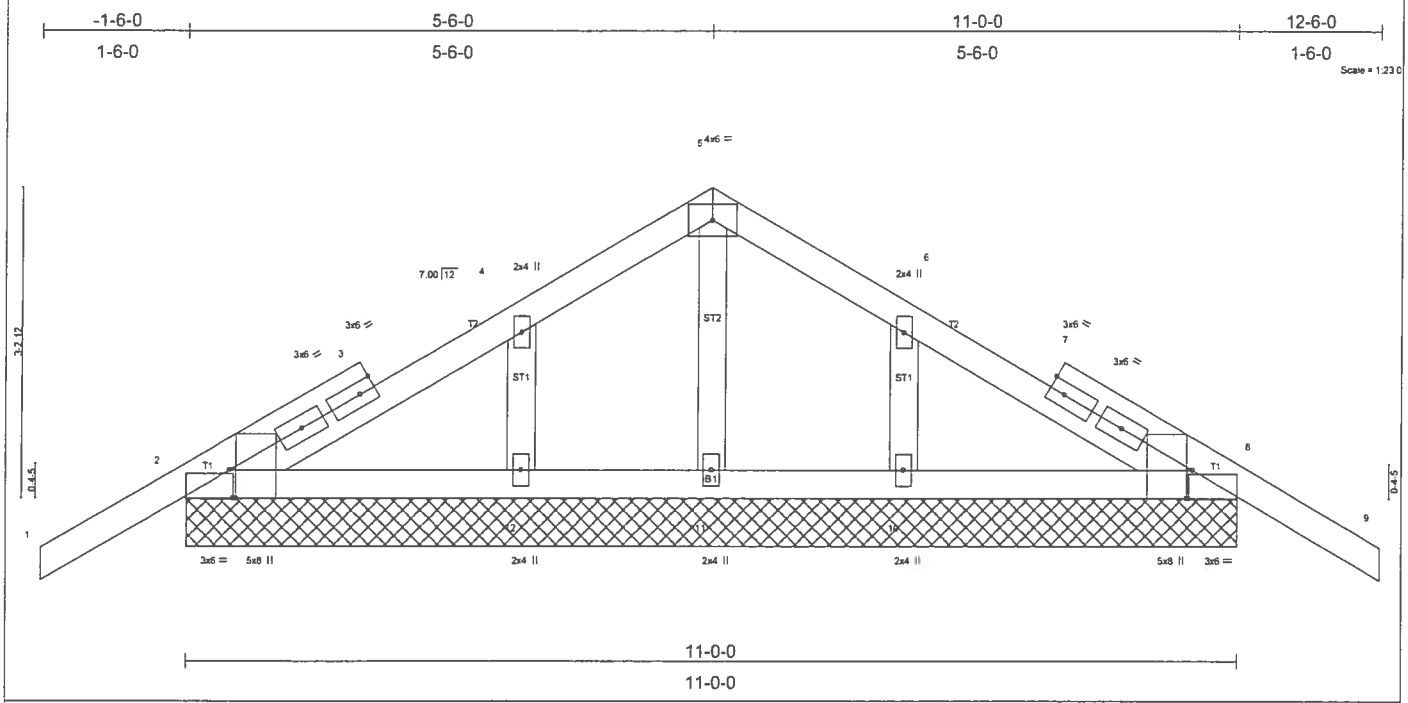

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-7,Edge], [8:0-3-8,Edge], [8:0-0-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.01	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	9	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.00	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 54 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 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=322/11-0-0, 8=322/11-0-0, 11=196/11-0-0, 12=354/11-0-0, 10=354/11-0-0
Max Horz 2=-106(load case 3)
Max Uplift2=-183(load case 5), 8=-196(load case 6), 11=-20(load case 5), 12=-145(load case 5), 10=-147(load case 6)
Max Grav 2=325(load case 9), 8=325(load case 10), 11=196(load case 1), 12=356(load case 9), 10=356(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3/63, 2-3=-60/66, 3-4=-59/109, 4-5=-26/84, 5-6=-26/84, 6-7=-17/109, 7-8=-34/35, 8-9=-3/63
BOT CHORD 2-12=-32/104, 11-12=-32/104, 10-11=-32/104, 8-10=-32/104
WEBS 5-11=-165/29, 4-12=-256/164, 6-10=-256/166

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 183 lb uplift at joint 2, 196 lb uplift at joint 8, 20 lb uplift at joint 11, 145 lb uplift at joint 12 and 147 lb uplift at joint 10.
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: 1-5=-87(F=-33), 5-9=-87(F=-33), 2-8=-30

JANUARY 05, 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.#0105061621

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T02	HIP	1	1	Job Reference (optional)

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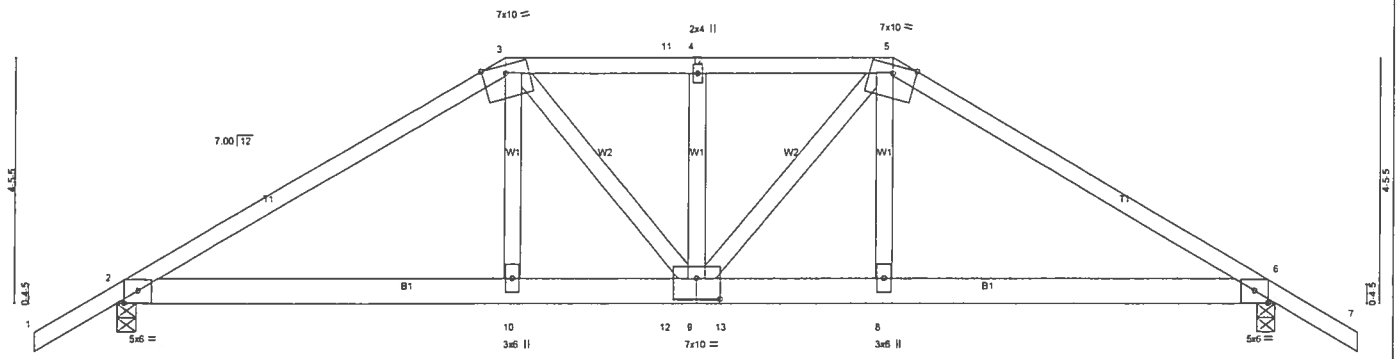

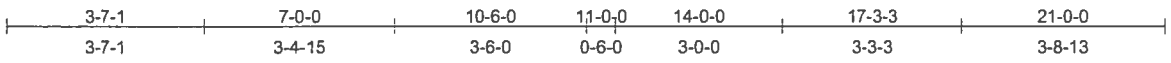

Plate Offsets (X,Y): [2:0-3-0,0-2-11], [6:0-3-0,0-2-11], [9:0-5-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.11	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.17	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 120 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-3 oc bracing.

REACTIONS (lb/size) 2=1653/0-4-0, 6=1918/0-4-0
Max Horz 2=146(load case 3)
Max Uplift2=-674(load case 4), 6=-830(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-2645/1035, 3-11=-2867/1274, 4-11=-2867/1274, 4-5=-2868/1274, 5-6=-3177/1362, 6-7=0/43
BOT CHORD 2-10=-938/2194, 10-12=-937/2201, 9-12=-937/2201, 9-13=-1099/2686, 8-13=-1099/2686, 6-8=-1086/2653
WEBS 3-10=0/196, 3-9=-719/1141, 4-9=-262/227, 5-9=-265/398, 5-8=-416/910

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 674 lb uplift at joint 2 and 830 lb uplift at joint 6.
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 374 lb up at 14-0-0, and 729 lb down and 346 lb up at 11-0-0 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, 3-11=-54, 5-11=-117(F=-63), 5-7=-54, 2-12=-30, 8-12=-65(F=-35), 6-8=-30
Concentrated Loads (lb)
Vert: 8=-539(F) 13=-729(F)

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

Dwg.#0105061622

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T03	HIP	1	1	Job Reference (optional)

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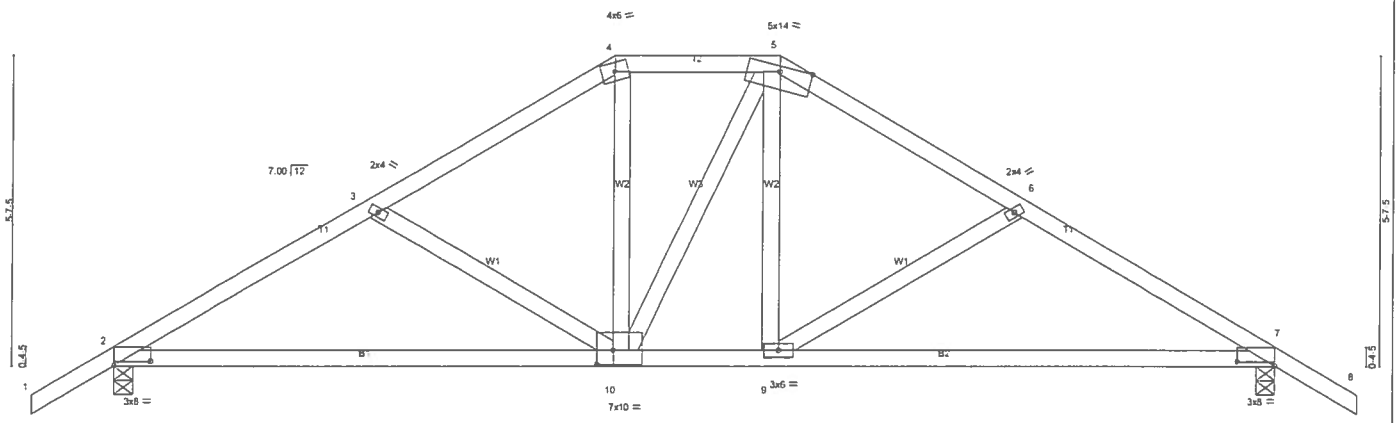
-1-6-0	4-8-13	9-0-0	12-0-0	16-3-3	21-0-0	22-6-0
1-6-0	4-8-13	4-3-3	3-0-0	4-3-3	4-8-13	1-6-0

Scale = 1:39.8
Camber = 1/8 in



9-0-0	12-0-0	21-0-0
9-0-0	3-0-0	9-0-0

Plate Offsets (X,Y): [2:0-8-1,0-0-14], [7:0-8-1,0-0-14], [10:0-3-8,0-3-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.17	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.28	7-9	>873	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 111 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 5-2-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=958/0-4-0, 7=958/0-4-0
Max Horz 2=189(load case 4)
Max Uplift2=-368(load case 5), 7=-368(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1285/478, 3-4=-1056/405, 4-5=-853/397, 5-6=-1048/403, 6-7=-1283/478, 7-8=0/40
BOT CHORD 2-10=-325/1069, 9-10=-117/854, 7-9=-279/1068
WEBS 3-10=-256/218, 4-10=-82/311, 5-10=-126/124, 5-9=-73/314, 6-9=-261/220

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 368 lb uplift at joint 2 and 368 lb uplift at joint 7.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061623

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T04	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:16 2006 Page 1

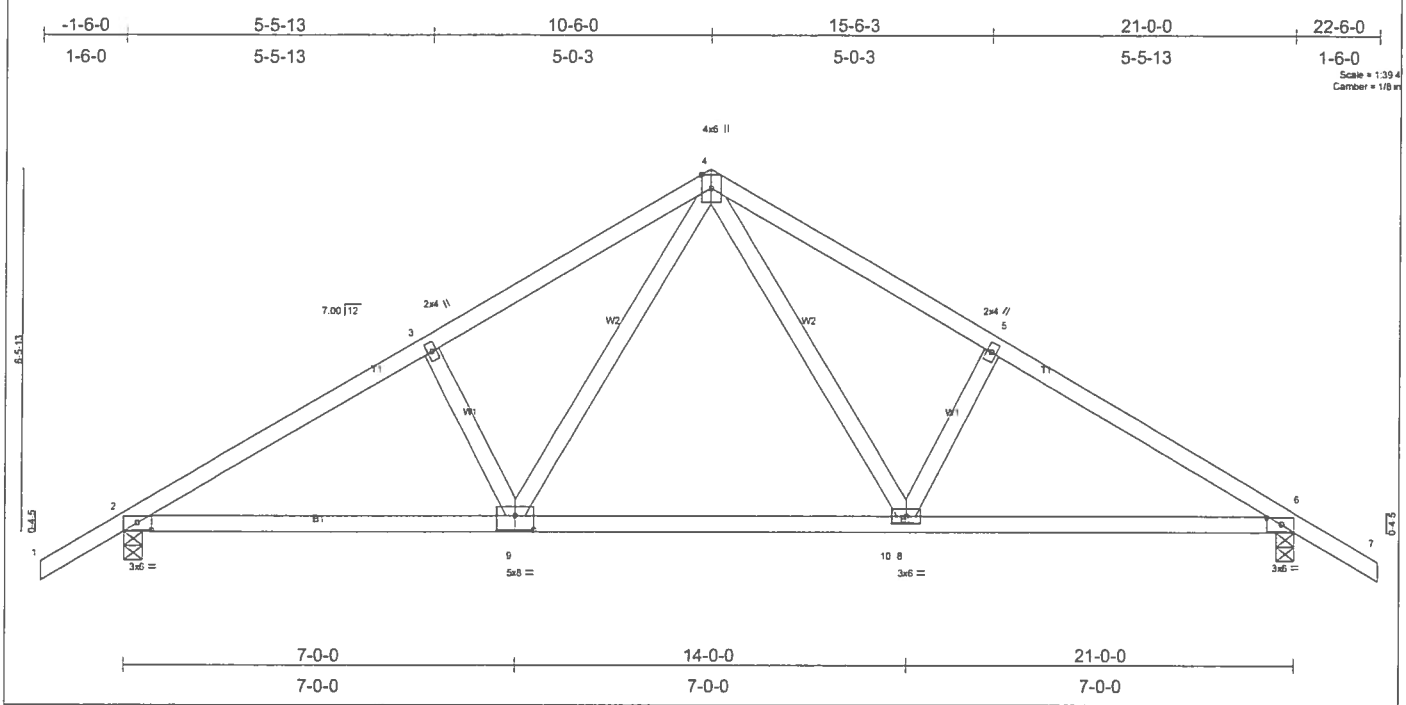


Plate Offsets (X,Y): [2:0-3-3,0-1-8], [6:0-3-3,0-1-8], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.19	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.31	8-9	>791	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 103 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 4-8-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-5-11 oc bracing.

REACTIONS (lb/size) 2=1128/0-4-0, 6=1123/0-4-0
Max Horz 2=219(load case 4)
Max Uplift2=-440(load case 5), 6=-438(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1679/569, 3-4=-1549/607, 4-5=-1539/604, 5-6=-1670/566, 6-7=0/40
BOT CHORD 2-9=-436/1374, 9-10=-200/931, 8-10=-200/931, 6-8=-349/1365
WEBS 3-9=-230/229, 4-9=-273/720, 4-8=-267/703, 5-8=-230/229

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 440 lb uplift at joint 2 and 438 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, 2-9=-30, 9-10=-80(F=-50), 6-10=-30

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

Dwg.#0105061624

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T05	COMMON	4	1	Job Reference (optional)

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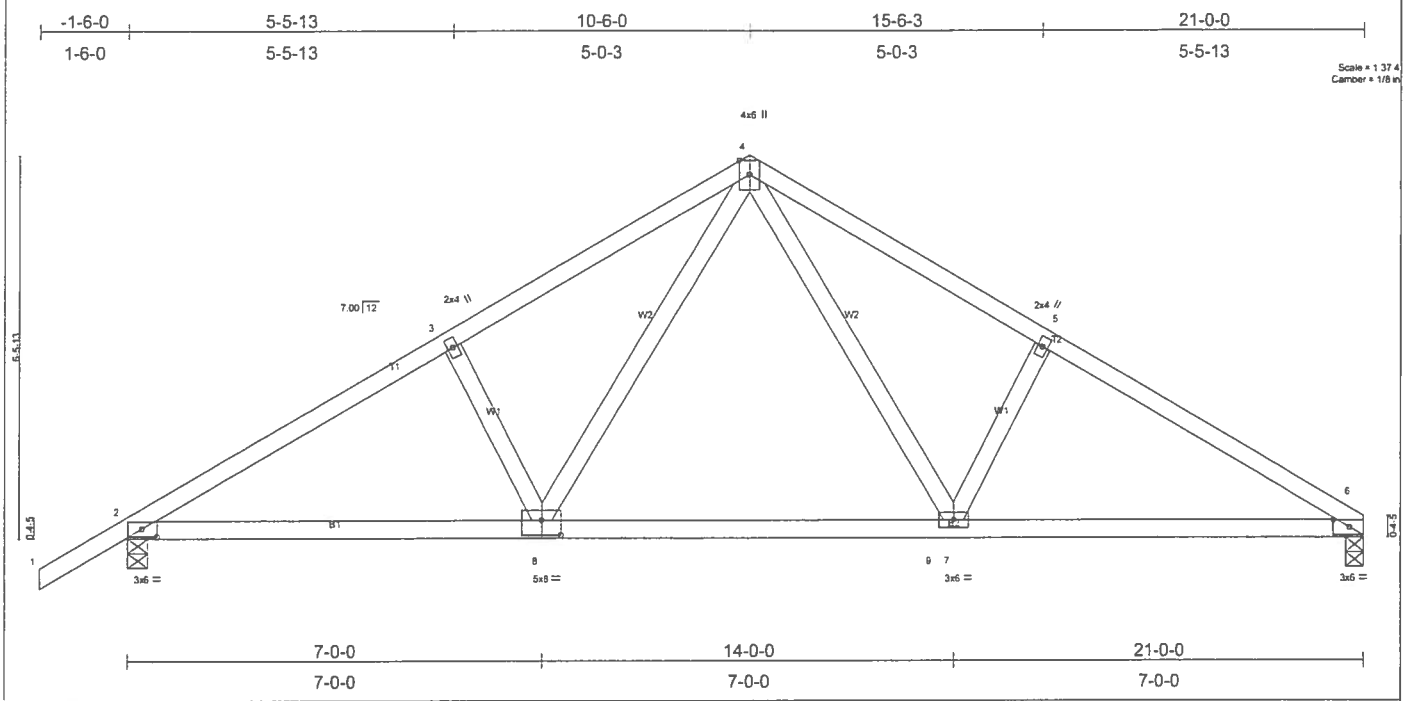

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [6:0-3-3,0-1-8], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.24	Vert(LL)	-0.19	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.31	7-8	>801	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-13 oc bracing.

REACTIONS (lb/size) 6=1030/0-3-8, 2=1132/0-4-0
Max Horz 2=233(load case 4)
Max Uplift6=-340(load case 6), 2=-441(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1688/579, 3-4=-1557/617, 4-5=-1563/632, 5-6=-1693/594
BOT CHORD 2-8=-461/1381, 8-9=-225/939, 7-9=-225/939, 6-7=-430/1391
WEBS 3-8=-230/229, 4-8=-272/719, 4-7=-295/726, 5-7=-244/244

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 340 lb uplift at joint 6 and 441 lb uplift at joint 2.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-8=-30, 8-9=-80(F=-50), 6-9=-30

JANUARY 05, 2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

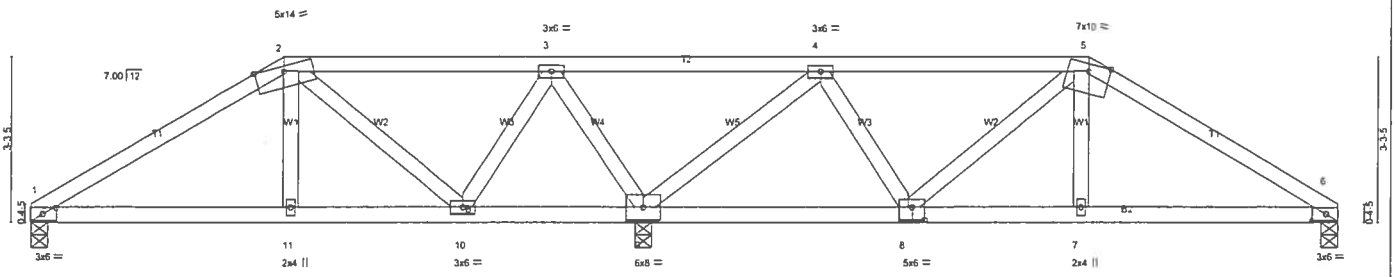
Dwg.#0105061625

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T06	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:18 2006 Page 1

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

Scale = 1:43.7



5-0-0	8-7-0	12-2-0	13-10-0	17-5-0	21-0-0	26-0-0
5-0-0	3-7-0	3-7-0	1-8-0	3-7-0	3-7-0	5-0-0

Plate Offsets (X,Y): [1:0-3-3,0-1-8], [6:0-3-3,0-1-8], [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)	0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.06	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.02	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 122 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=549/0-4-0, 6=697/0-4-0, 9=2290/0-4-0
Max Horz 1=103(load case 3)
Max Uplift1=-223(load case 4), 6=-485(load case 2), 9=-1462(load case 3)
Max Grav 1=557(load case 8), 6=704(load case 9), 9=2290(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-802/336, 2-3=-160/47, 3-4=-540/852, 4-5=-590/521, 5-6=-1078/776
BOT CHORD 1-11=-340/651, 10-11=-347/673, 9-10=-198/200, 8-9=-303/308, 7-8=-634/907, 6-7=-621/887
WEBS 2-11=-155/433, 2-10=-678/418, 3-10=-246/661, 3-9=-1249/822, 4-9=-1496/1126, 4-8=-292/563, 5-8=-422/295, 5-7=-268/411

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; 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 223 lb uplift at joint 1, 485 lb uplift at joint 6 and 1462 lb uplift at joint 9.
5) Girder carries hip end with 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 170 lb up at 21-0-0, and 245 lb down and 170 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-5=-90(F=-36), 5-6=-54, 1-11=-30, 7-11=-50(F=-20), 6-7=-30
Concentrated Loads (lb)
Vert: 11=-245(F) 7=-245(F)

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Dwg.#0105061626

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T07	MONO HIP	1	2	Job Reference (optional)

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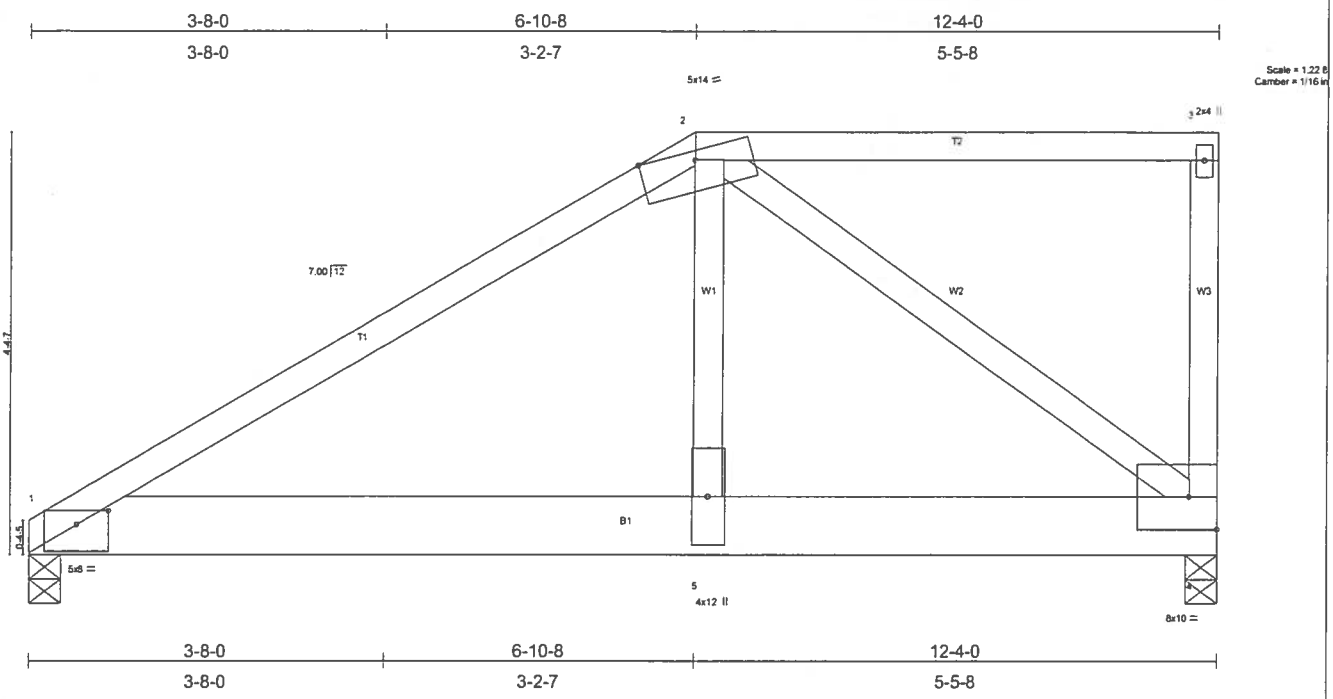

Plate Offsets (X,Y): [1:0-4-0,0-1-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.12	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.18	1-5	>783	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.78	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.1D *Except*
W3 2 X 4 SYP No.3, W2 2 X 4 SYP No.2

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

REACTIONS (lb/size) 1=5091/0-4-0, 4=5091/0-4-0
Max Horz 1=181(load case 4)
Max Uplift1=-2321(load case 4), 4=-2346(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5341/2389, 2-3=-92/64, 3-4=-128/136
BOT CHORD 1-5=-2147/4571, 4-5=-2244/4785
WEBS 2-5=-2605/5737, 2-4=-5826/2743

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-7-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2321 lb uplift at joint 1 and 2346 lb uplift at joint 4.
6) Girder carries tie-in span(s): 38-8-0 from 0-0-0 to 12-4-0

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-54, 1-4=-793(F=-763)

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

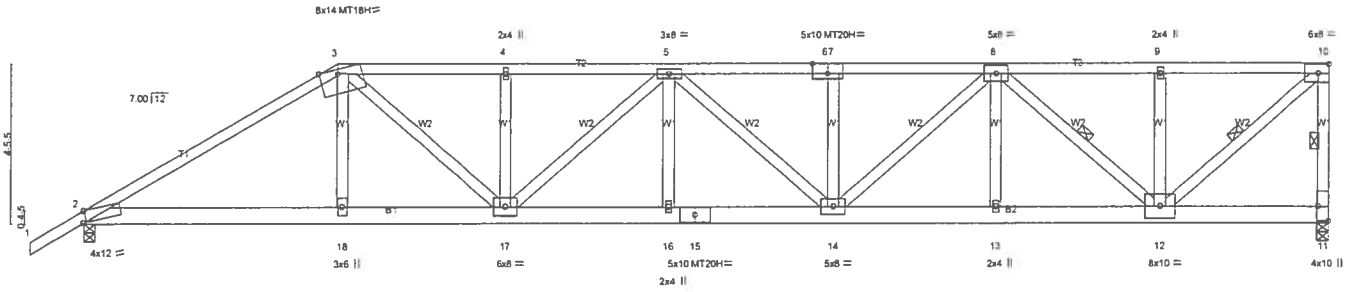
Dwg.#0105061627

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T08	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:19 2006 Page 1

-1-6-0	7-0-0	11-8-8	16-3-4	20-10-0	25-4-12	29-11-8	34-8-0
1-6-0	7-0-0	4-8-8	4-6-12	4-6-12	4-6-12	4-6-12	4-8-8

Scale = 1:61.3
Camber = 1/4 in



7-0-0	11-8-8	16-3-4	20-10-0	25-4-12	29-11-8	34-8-0
7-0-0	4-8-8	4-6-12	4-6-12	4-6-12	4-6-12	4-8-8

Plate Offsets (X,Y): [2:0-0-15,Edge], [3:0-6-1,Edge], [6:0-5-0,0-3-4], [11: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	0.85	Vert(LL)	0.45	14-16	>915	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.70	14-16	>589	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.15	11	n/a	n/a	MT18H	244/190
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2
W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-0-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-3-1 oc bracing.
WEBS 1 Row at midpt 10-11, 8-12, 10-12

REACTIONS (lb/size) 11=3166/0-4-0, 2=3041/0-4-0
Max Horz 2=247(load case 4)
Max Uplift11=-1842(load case 2), 2=-1525(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/43, 2-3=-5369/2820, 3-4=-6151/3467, 4-5=-6150/3468, 5-6=-6496/3734, 6-7=-6496/3734, 7-8=-6496/3734, 8-9=-3131/1813, 9-10=-3131/1813, 10-11=-2986/1827
BOT CHORD 2-18=-2472/4541, 17-18=-2484/4571, 16-17=-3886/6818, 15-16=-3886/6818, 14-15=-3886/6818, 13-14=-3072/5307, 12-13=-3072/5307, 11-12=-55/73
WEBS 3-18=-337/838, 3-17=-1390/2084, 4-17=-510/599, 5-17=-894/560, 5-16=0/334, 5-14=-431/253, 7-14=-520/547, 8-14=-887/1593, 8-13=0/338, 8-12=-2915/1686, 9-12=-540/571, 10-12=-2356/4097

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1842 lb uplift at joint 11 and 1525 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 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 374 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, 3-10=-117(F=-63), 2-18=-30, 11-18=-65(F=-35)
Concentrated Loads (lb)
Vert: 18=-539(F)

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

Dwg.#0105061628

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T09	MONO HIP	1	1	Job Reference (optional)

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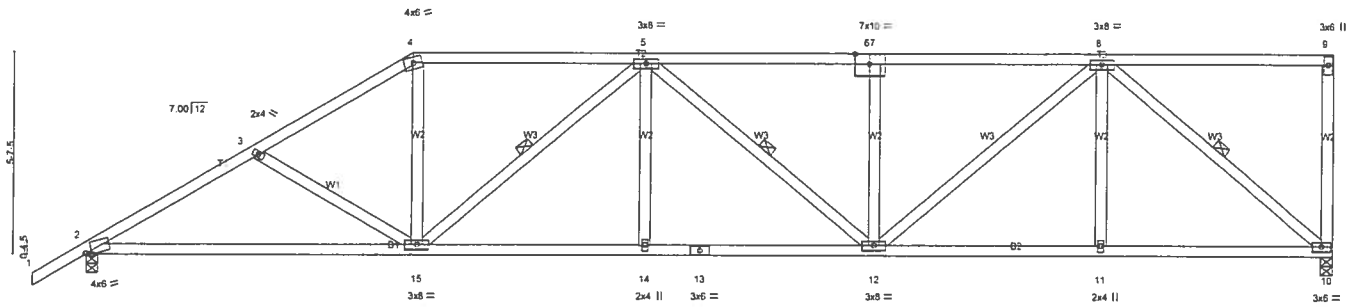
-1-6-0	4-8-13	9-0-0	15-5-14	21-10-0	28-2-2	34-8-0
1-6-0	4-8-13	4-3-3	6-5-14	6-4-2	6-4-2	6-5-14

Scale = 1:61.1
Camber = 1/8 in



9-0-0	15-5-14	21-10-0	28-2-2	34-8-0
9-0-0	6-5-14	6-4-2	6-4-2	6-5-14

Plate Offsets (X,Y): [2:0-2-2,0-0-11], [6:0-4-12,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.21	2-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.36	2-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.11	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 200 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 3-9-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-4 oc bracing.
WEBS 1 Row at midpt 5-15, 5-12, 8-10

REACTIONS (lb/size) 10=1441/0-4-0, 2=1535/0-4-0
Max Horz 2=299(load case 5)
Max Uplift10=-616(load case 3), 2=-489(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-2374/878, 3-4=-2172/819, 4-5=-1850/767, 5-6=-2216/892, 6-7=-2216/892, 7-8=-2216/892, 8-9=-39/18, 9-10=-160/131
BOT CHORD 2-15=-904/1993, 14-15=-960/2344, 13-14=-960/2344, 12-13=-960/2344, 11-12=-611/1455, 10-11=-611/1455
WEBS 3-15=-191/201, 4-15=-195/766, 5-15=-645/448, 5-14=0/169, 5-12=-168/89, 7-12=-334/279, 8-12=-404/992, 8-11=0/190, 8-10=-1847/774

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 616 lb uplift at joint 10 and 489 lb uplift at joint 2.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061629

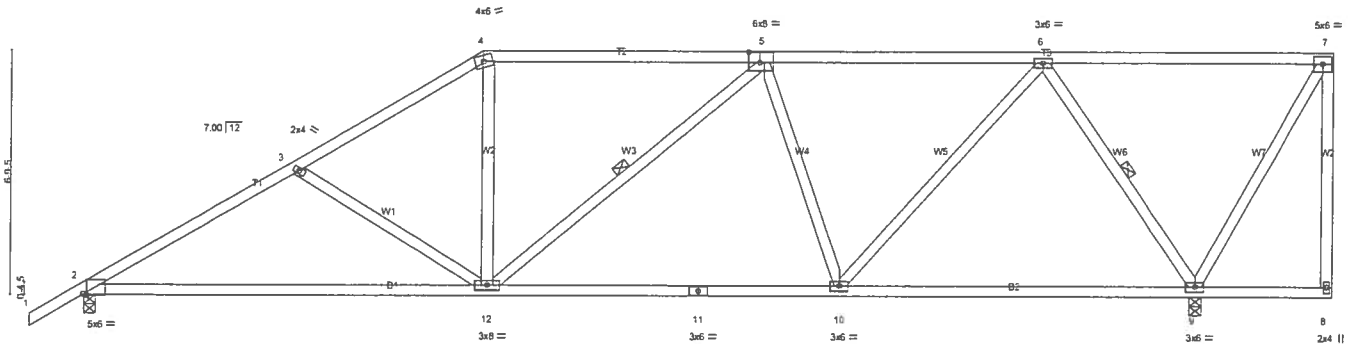
Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T10	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:21 2006 Page 1

-1-6-0 | 5-8-13 | 11-0-0 | 18-9-8 | 26-7-0 | 34-8-0

1-6-0 | 5-8-13 | 5-3-3 | 7-9-8 | 7-9-8 | 8-1-0

Scale = 1:61.1
Camber = 1/4 in



5-8-13 | 11-0-0 | 20-11-0 | 30-10-0 | 34-8-0

5-8-13 | 5-3-3 | 9-11-0 | 9-11-0 | 3-10-0

Plate Offsets (X,Y): [2:0-1-3,Edge], [5:0-3-10,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.34	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.58	2-12	>629	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 194 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 3-9-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-10 oc bracing.
WEBS 1 Row at midpt 5-12, 6-9

REACTIONS (lb/size) 2=1362/0-4-0, 9=1614/0-4-0
Max Horz 2=352(load case 5)
Max Uplift2=-458(load case 5), 9=-652(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-1988/711, 3-4=-1719/629, 4-5=-1437/608, 5-6=-1299/515, 6-7=-74/88, 7-8=-13/11
BOT CHORD 2-12=-800/1664, 11-12=-612/1438, 10-11=-612/1438, 9-10=-306/675, 8-9=-28/28
WEBS 3-12=-282/266, 4-12=-62/482, 5-12=-66/237, 5-10=-445/314, 6-10=-317/949, 6-9=-1392/672, 7-9=-235/206

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 458 lb uplift at joint 2 and 652 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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

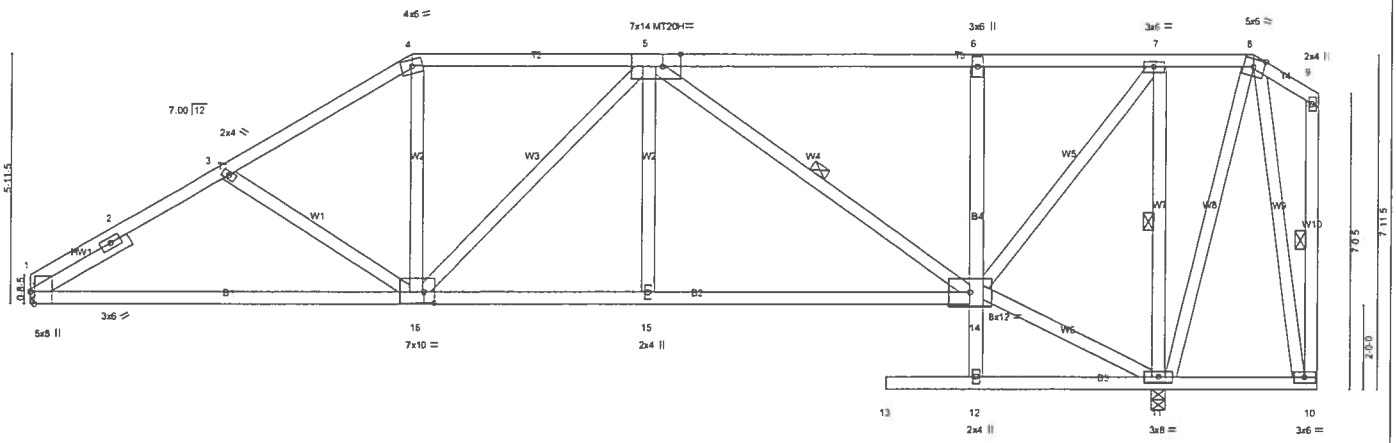
Dwg.#0105061630

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jan 05 08:12:45 2006 Page 1

4-7-12	9-0-0	14-8-0	20-4-0	24-8-9	29-1-2	30-8-0
4-7-12	4-4-4	5-8-0	5-8-0	4-4-9	4-4-9	1-6-14

Scale = 1:52.4
Camber = 1/8 in



9-0-0	14-8-0	20-4-0	22-4-0	26-10-0	29-1-2	30-8-0
9-0-0	5-8-0	5-8-0	2-0-0	4-6-0	2-3-2	1-6-14

Plate Offsets (X,Y): [1:0-3-8,Edge], [5:0-5-0,Edge], [16:0-3-3,0-3-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.15	1-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.26	1-16	>999	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.08	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 220 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
SLIDER Left 2 X 4 SYP No.3 2-7-11

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

REACTIONS (lb/size) 1=1119/Mechanical, 11=1509/0-4-0
Max Horz 1=233(load case 5)
Max Uplift1=-337(load case 4), 11=-573(load case 4)
Max Grav 1=1125(load case 9), 11=1509(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1685/600, 2-3=-1620/619, 3-4=-1481/558, 4-5=-1244/537, 5-6=-792/349, 6-7=-761/335, 7-8=-4/63, 8-9=-13/33, 9-10=-25/26
BOT CHORD 1-16=-646/1372, 15-16=-616/1378, 14-15=-616/1378, 12-14=0/124, 6-14=-365/311, 12-13=0/0, 11-12=-49/0, 10-11=-9/4
WEBS 3-16=-168/212, 4-16=-103/449, 5-16=-280/252, 5-15=0/185, 5-14=-734/326, 11-14=-16/59, 7-14=-554/1313, 7-11=-1184/563, 8-11=-190/89, 8-10=-16/53

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 337 lb uplift at joint 1 and 573 lb uplift at joint 11.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061631

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:22 2006 Page 1

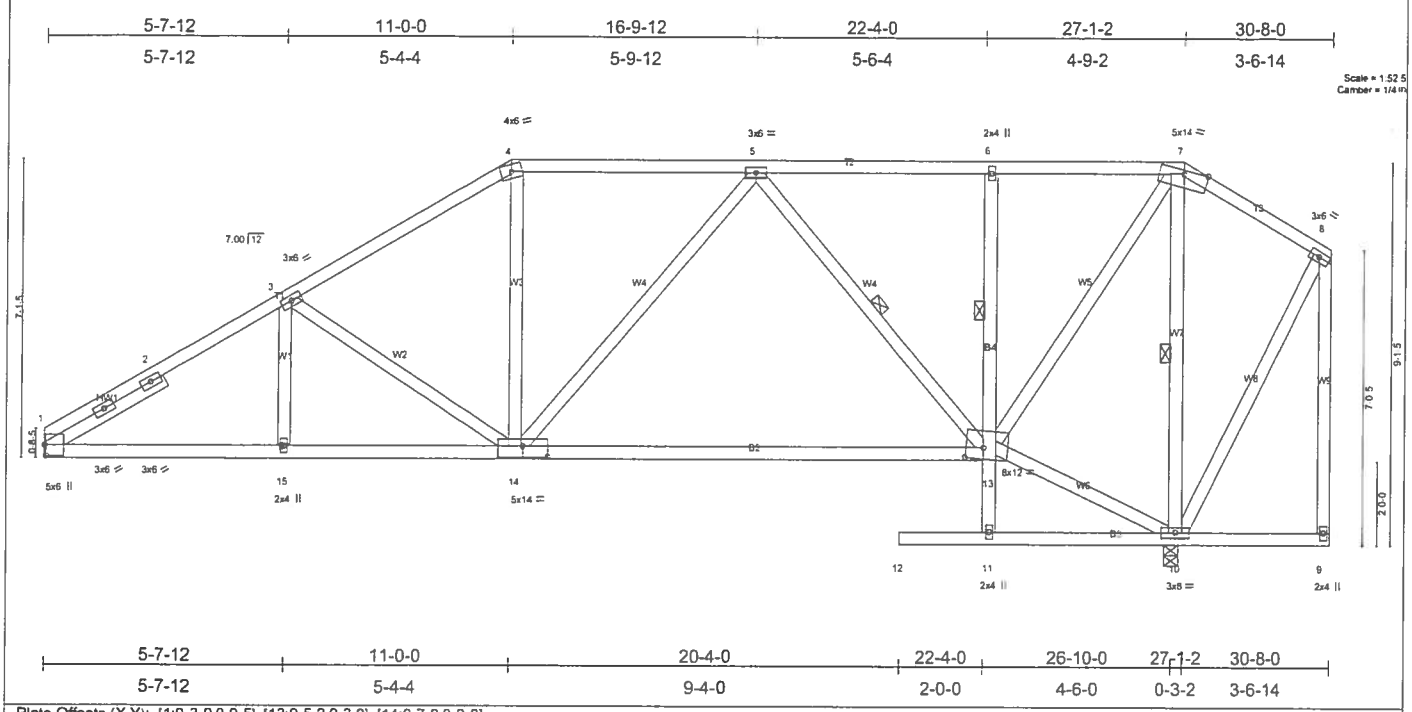


Plate Offsets (X,Y): [1:0-3-0,0-0-5], [13:0-5-2,0-3-2], [14:0-7-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.32	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.55	13-14	>587	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.08	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 217 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
SLIDER Left 2 X 4 SYP No.3 3-2-9

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 6-13
WEBS 1 Row at midpt 5-13, 7-10

REACTIONS (lb/size) 1=1125/Mechanical, 10=1503/0-4-0
Max Horz 1=249(load case 5)
Max Uplift1=-329(load case 5), 10=-445(load case 3)
Max Grav 1=1135(load case 9), 10=1503(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1732/578, 2-3=-1660/596, 3-4=-1387/527, 4-5=-1149/515, 5-6=-695/296, 6-7=-674/295, 7-8=0/103, 8-9=0/37
BOT CHORD 1-15=-618/1403, 14-15=-618/1403, 13-14=-492/1048, 11-13=0/119, 6-13=-285/248, 11-12=0/0, 10-11=-131/0, 9-10=-4/5
WEBS 3-15=0/109, 3-14=-316/266, 4-14=-49/345, 5-14=-82/203, 5-13=-566/317, 10-13=0/104, 7-13=-505/1264, 7-10=-1296/501, 8-10=-99/67

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 329 lb uplift at joint 1 and 445 lb uplift at joint 10.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061632

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:23 2006 Page 1

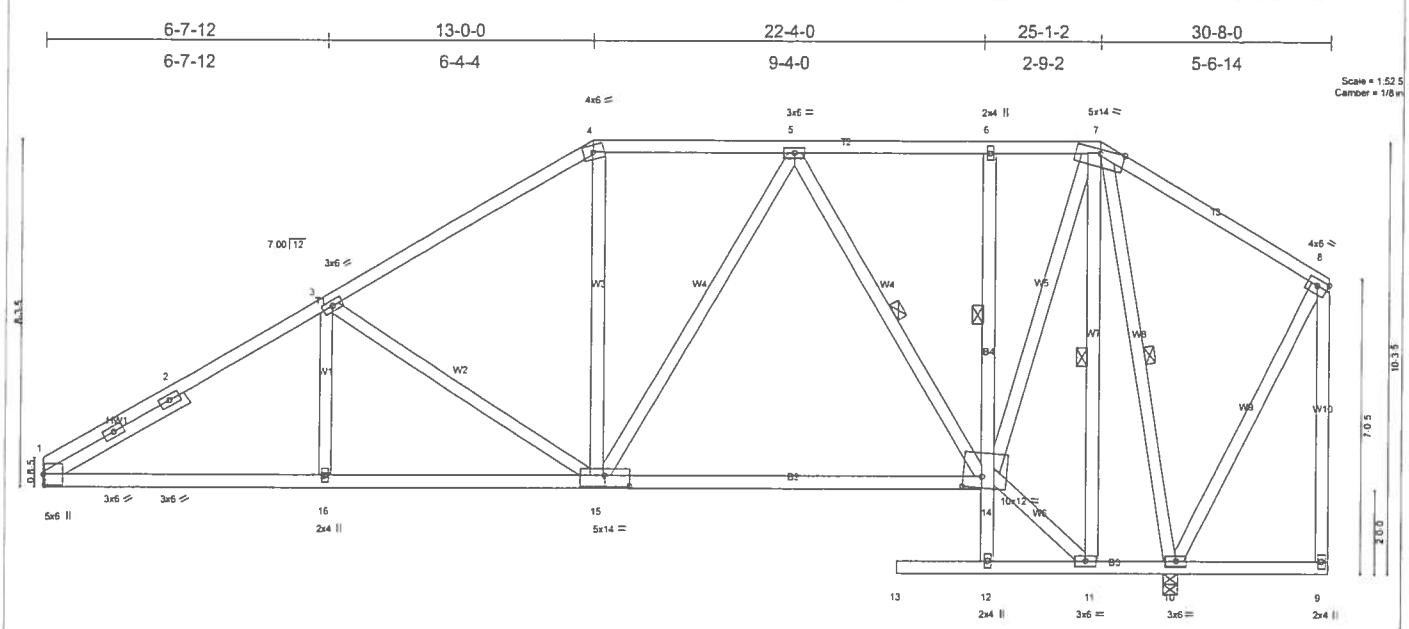


Plate Offsets (X,Y): [1:0-3-0,0-0-5], [8:Edge,0-1-12], [14:0-5-3,0-3-3], [15:0-7-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.17	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.30	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.07	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 240 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
SLIDER Left 2 X 4 SYP No.3 3-9-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 6-14
WEBS 1 Row at midpt 7-11, 7-10, 5-14

REACTIONS (lb/size) 1=1120/Mechanical, 10=1508/0-4-0
Max Horz 1=266(load case 5)
Max Uplift1=-338(load case 5), 10=-378(load case 6)
Max Grav 1=1128(load case 9), 10=1508(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1698/555, 2-3=-1546/575, 3-4=-1226/487, 4-5=-990/487, 5-6=-552/289, 6-7=-537/286, 7-8=0/153, 8-9=0/47
BOT CHORD 1-16=-590/1379, 15-16=-590/1379, 14-15=-377/840, 12-14=0/114, 6-14=-190/195, 12-13=0/0, 11-12=-91/0, 10-11=-83/166, 9-10=-13/15
WEBS 3-16=0/180, 3-15=-472/323, 4-15=-27/255, 5-15=-143/303, 11-14=-65/326, 7-14=-468/1203, 7-11=-184/65, 7-10=-1252/470, 8-10=-165/119, 5-14=-585/297

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 338 lb uplift at joint 1 and 378 lb uplift at joint 10.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061633

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T14	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:24 2006 Page 1

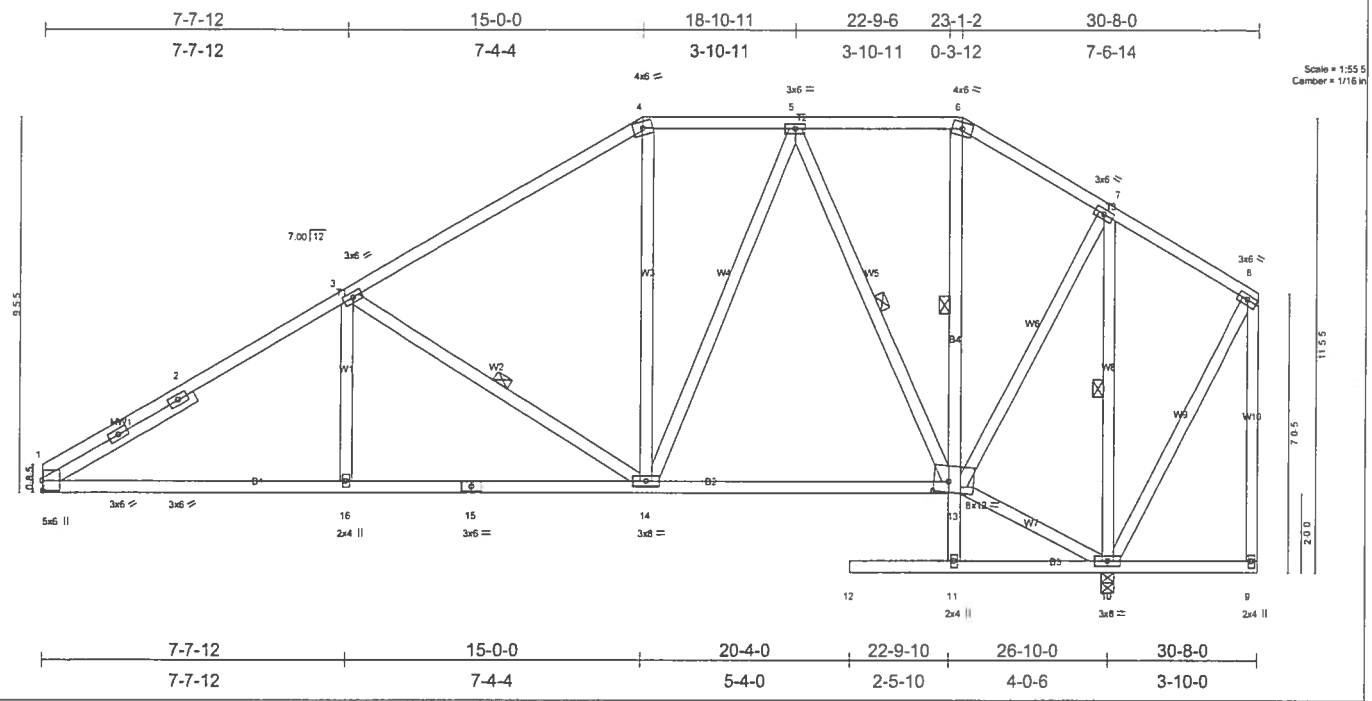


Plate Offsets (X,Y): [1:0-3-0,0-0-5], [13:0-4-7,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.10	1-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.16	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.07	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 236 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 4-4-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 6-13
WEBS 1 Row at midpt 3-14, 5-13, 7-10

REACTIONS (lb/size) 1=1121/Mechanical, 10=1521/0-4-0
Max Horz 1=299(load case 4)
Max Uplift1=-346(load case 5), 10=-396(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1657/532, 2-3=-1483/553, 3-4=-1072/446, 4-5=-839/460, 5-6=-417/281, 6-7=-525/277, 7-8=0/113, 8-9=0/45
BOT CHORD 1-16=-578/1341, 15-16=-578/1341, 14-15=-578/1341, 13-14=-271/670, 11-13=0/133, 6-13=-19/78, 11-12=0/0, 10-11=-77/0, 9-10=-4/7
WEBS 3-16=0/234, 3-14=-601/378, 4-14=-35/192, 5-14=-212/446, 5-13=-630/309, 7-10=-1299/476, 8-10=-121/69, 7-13=-269/942, 10-13=0/54

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 346 lb uplift at joint 1 and 396 lb uplift at joint 10.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061634

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T15	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:25 2006 Page 1

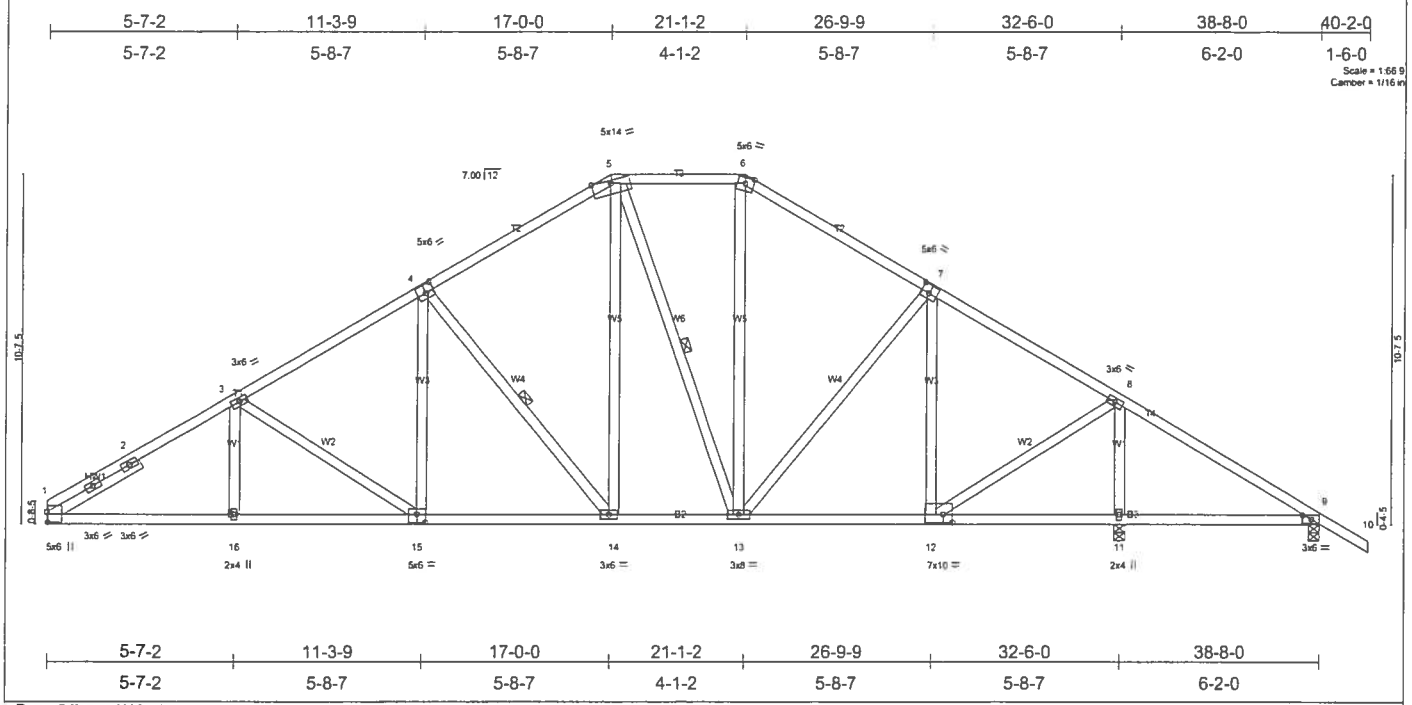


Plate Offsets (X,Y): [1:0-3-12,0-0-5], [4:0-3-0,0-3-0], [7:0-3-0,0-3-0], [9:0-3-3,0-1-8], [12:0-3-8,0-3-0], [15:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.08	9-11	>910	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.18	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 252 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13

REACTIONS (lb/size) 1=1325/Mechanical, 11=1863/0-4-0, 9=136/0-4-0
Max Horz 1=-377(load case 3)
Max Uplift1=-428(load case 5), 11=-606(load case 6), 9=-233(load case 6)
Max Grav 1=1325(load case 1), 11=1863(load case 1), 9=193(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2102/728, 2-3=-2019/746, 3-4=-1713/691, 4-5=-1260/616, 5-6=-921/558, 6-7=-1142/576, 7-8=-1003/442, 8-9=-97/413, 9-10=0/40
BOT CHORD 1-16=-589/1704, 15-16=-589/1704, 14-15=-386/1413, 13-14=-251/1023, 12-13=-91/797, 11-12=-274/184, 9-11=-274/184
WEBS 3-16=0/151, 3-15=-350/240, 4-15=-95/378, 4-14=-622/368, 5-14=-250/614, 5-13=-389/218, 6-13=-127/302, 7-13=-180/270, 7-12=-519/233, 8-12=-316/1269, 8-11=-1655/643

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 428 lb uplift at joint 1, 606 lb uplift at joint 11 and 233 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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

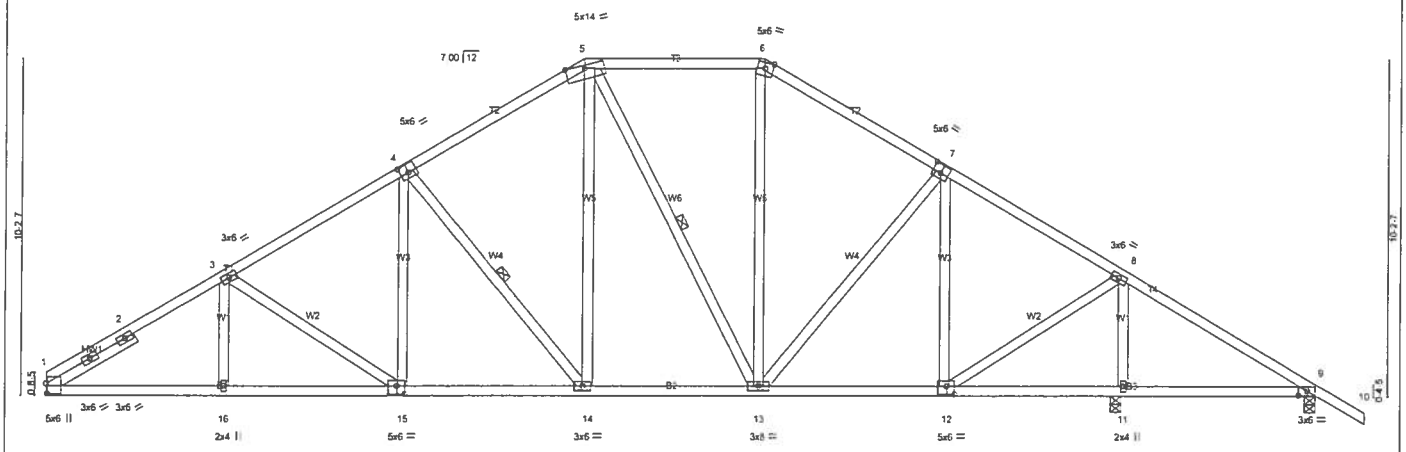
Dwg.#0105061635

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T16	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01.25 2006 Page 1

5-4-6	10-10-0	16-3-10	21-9-8	27-3-2	32-8-13	38-8-0	40-2-0
5-4-6	5-5-10	5-5-10	5-5-14	5-5-10	5-5-10	5-11-3	1-6-0

Scale = 1:66.9
Camber = 1/16 in



5-7-2	10-10-0	16-3-10	21-9-8	27-3-2	32-6-0	38-8-0
5-7-2	5-2-14	5-5-10	5-5-14	5-5-10	5-2-14	6-2-0

Plate Offsets (X,Y): [1:0-3-12,0-0-5], [4:0-3-0,0-3-0], [7:0-3-0,0-3-0], [9:0-3-3,0-1-8], [12:0-3-0,0-3-0], [15:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.10	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.17	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 247 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-0-10

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-14, 5-13

REACTIONS (lb/size) 1=1334/Mechanical, 11=1875/0-4-0, 9=115/0-4-0
Max Horz 1=-363(load case 3)
Max Uplift1=-428(load case 5), 11=-602(load case 6), 9=-225(load case 6)
Max Grav 1=1334(load case 1), 11=1875(load case 1), 9=172(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2123/739, 2-3=-2044/757, 3-4=-1750/704, 4-5=-1329/638, 5-6=-949/561, 6-7=-1167/581, 7-8=-993/437, 8-9=-105/435, 9-10=0/40
BOT CHORD 1-16=-588/1722, 15-16=-588/1722, 14-15=-415/1451, 13-14=-298/1090, 12-13=-91/800, 11-12=-295/192, 9-11=-295/192
WEBS 3-16=0/146, 3-15=-329/229, 4-15=-90/353, 4-14=-582/350, 5-14=-236/607, 5-13=-388/213, 6-13=-104/271, 7-13=-196/309, 7-12=-551/240, 8-12=-331/1292, 8-11=-1675/651

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 428 lb uplift at joint 1, 602 lb uplift at joint 11 and 225 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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

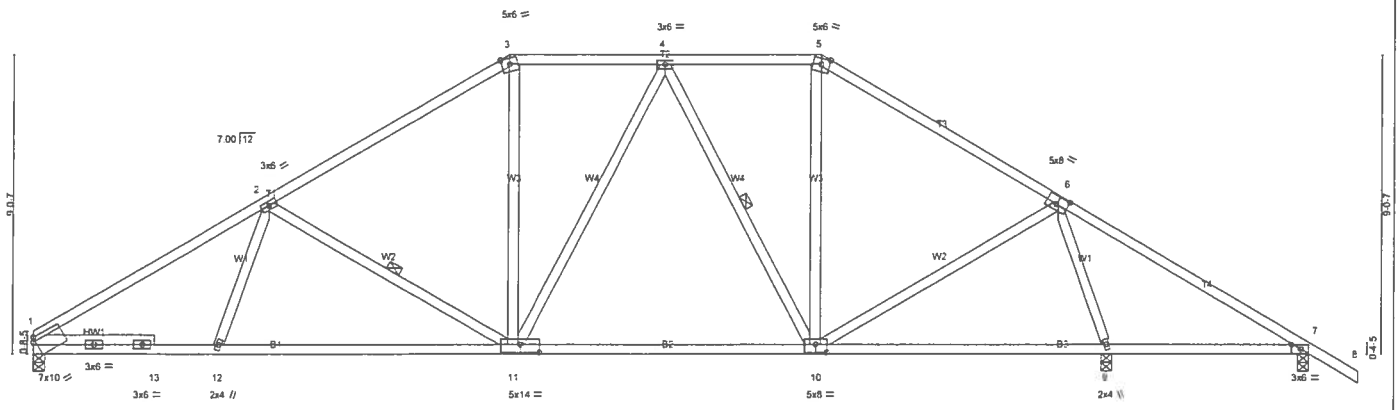
Dwg.#0105061636

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T17	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jan 05 08:29:05 2006 Page 1

7-1-3	14-3-10	19-0-9	23-9-8	30-11-15	38-8-0	40-2-0
7-1-3	7-2-7	4-8-15	4-8-15	7-2-7	7-8-1	1-6-0

Scale = 1:66.6
Camber = 1/8 in



5-7-2	14-3-10	23-9-8	32-6-0	38-8-0
5-7-2	8-8-8	9-5-14	8-8-8	6-2-0

Plate Offsets (X,Y): [1:Edge,0-1-9], [6:0-4-0,0-3-0], [7:0-3-3,0-1-8], [10:0-4-0,0-3-0], [11:0-7-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.11	7-9	>659	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	0.10	7-9	>749	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 222 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-7-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-11, 4-10

REACTIONS (lb/size) 1=1319/0-4-0, 9=1917/0-4-0, 7=88/0-4-0
Max Horz 1=-322(load case 3)
Max Uplift1=-415(load case 5), 9=-582(load case 6), 7=-235(load case 6)
Max Grav 1=1319(load case 1), 9=1917(load case 1), 7=142(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2170/762, 2-3=-1510/653, 3-4=-1223/639, 4-5=-922/532, 5-6=-1170/532, 6-7=-136/559, 7-8=0/40
BOT CHORD 1-13=-575/1747, 12-13=-575/1747, 11-12=-583/1655, 10-11=-379/1124, 9-10=-23/209, 7-9=-382/247
WEBS 2-12=0/285, 2-11=-520/367, 3-11=-80/375, 4-11=-117/253, 4-10=-513/324, 5-10=-73/280, 6-10=-289/862, 6-9=-1742/715

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 1, 582 lb uplift at joint 9 and 235 lb uplift at joint 7.

LOAD CASE(S) Standard

JANUARY 05, 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

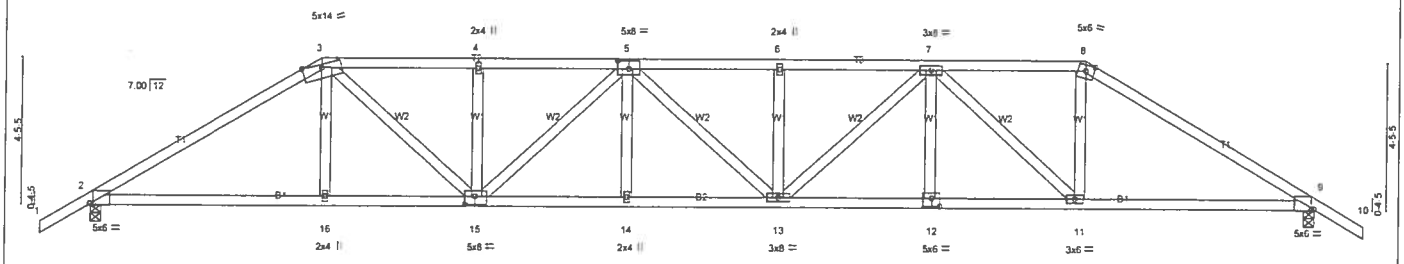
Dwg.#0105061637

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T18	HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:27 2006 Page 1

-1-6-0	3-8-13	7-0-0	11-8-10	16-3-9	20-10-7	25-5-6	30-2-0	33-5-3	37-2-0	38-8-0
1-6-0	3-8-13	3-3-3	4-8-10	4-6-14	4-6-14	4-6-14	4-8-10	3-3-3	3-8-13	1-6-0

Scale = 1:66.6
Camber = 3/16 in



3-8-13	7-0-0	11-8-10	16-3-9	20-10-7	25-5-6	30-2-0	33-5-3	37-2-0
3-8-13	3-3-3	4-8-10	4-6-14	4-6-14	4-6-14	4-8-10	3-3-3	3-8-13

Plate Offsets (X,Y): [2:0-1-3,Edge], [5:0-4-0,0-3-0], [9:0-1-3,Edge], [12:0-3-0,0-3-0], [15:0-3-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	0.36	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.56	13-14	>786	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.41	Horz(TL)	0.18	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 394 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except* T2 2 X 4 SYP No.2, T3 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 4-8-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-5 oc bracing.

REACTIONS (lb/size) 2=3306/0-4-0, 9=3306/0-4-0
Max Horz 2=-148(load case 2)
Max Uplift2=-1732(load case 3), 9=-1732(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-5811/3226, 3-4=-6774/3915, 4-5=-6780/3923, 5-6=-7711/4433, 6-7=-7711/4433, 7-8=-4987/2863, 8-9=-5812/3226, 9-10=0/40
BOT CHORD 2-16=-2818/4899, 15-16=-2830/4928, 14-15=-4437/7717, 13-14=-4438/7714, 12-13=-3841/6788, 11-12=-3841/6792, 9-11=-2670/4900
WEBS 3-16=-333/817, 3-15=-1610/2554, 4-15=-552/613, 5-15=-1277/760, 5-14=0/299, 5-13=-43/56, 6-13=-534/545, 7-13=-750/1267, 7-12=0/291, 7-11=-2525/1595, 8-11=-1370/2498

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1732 lb uplift at joint 2 and 1732 lb uplift at joint 9.
7) Girder carries hip end with 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 374 lb up at 30-2-0, and 539 lb down and 374 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-8=-117(F=-63), 8-10=-54, 2-16=-30, 11-16=-65(F=-35), 9-11=-30
Concentrated Loads (lb)
Vert: 16=-539(F) 11=-539(F)

JANUARY 05, 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

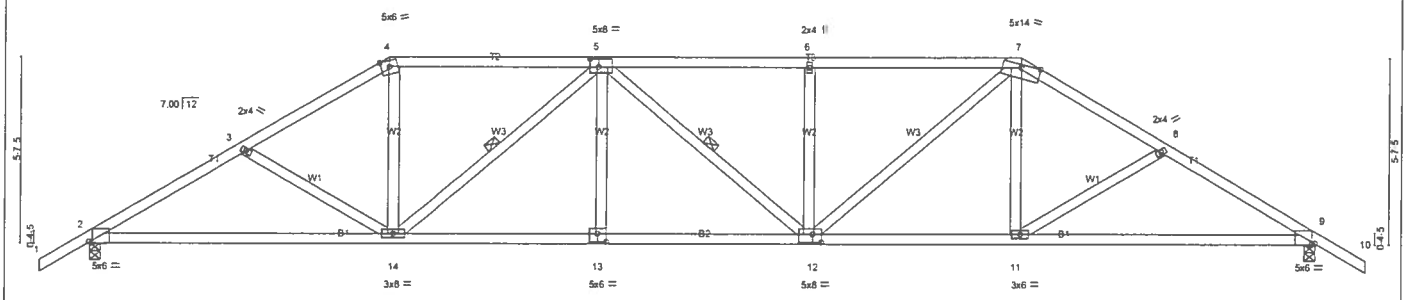
Dwg.#0105061638

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T19	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:28 2006 Page 1

-1-6-0	4-8-13	9-0-0	15-5-4	21-8-12	28-2-0	32-5-3	37-2-0	38-8-0
1-6-0	4-8-13	4-3-3	6-5-4	6-3-8	6-5-4	4-3-3	4-8-13	1-6-0

Scale = 1:66.6
Camber = 3/16 in



9-0-0	15-5-4	21-8-12	28-2-0	37-2-0
9-0-0	6-5-4	6-3-8	6-5-4	9-0-0

Plate Offsets (X,Y): [2:0-1-3,Edge], [5:0-3-4,0-3-0], [9:0-1-3,Edge], [12:0-3-4,0-3-0], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.26	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.41	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.14	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 200 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 3-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-3-0 oc bracing.
WEBS 1 Row at midpt 5-14, 5-12

REACTIONS (lb/size) 2=1637/0-4-0, 9=1637/0-4-0
Max Horz 2=189(load case 4)
Max Uplift2=-525(load case 5), 9=-525(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-2568/977, 3-4=-2367/918, 4-5=-2021/853, 5-6=-2634/1107, 6-7=-2628/1102, 7-8=-2367/918, 8-9=-2568/977, 9-10=0/40
BOT CHORD 2-14=-850/2157, 13-14=-1025/2629, 12-13=-1025/2629, 11-12=-584/2006, 9-11=-701/2158
WEBS 3-14=-190/201, 4-14=-250/868, 5-14=-875/494, 5-13=0/175, 5-12=-79/71, 6-12=-357/308, 7-12=-495/883, 7-11=-53/345, 8-11=-190/201

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 525 lb uplift at joint 2 and 525 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061639

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T20	SPECIAL	1	1	Job Reference (optional)

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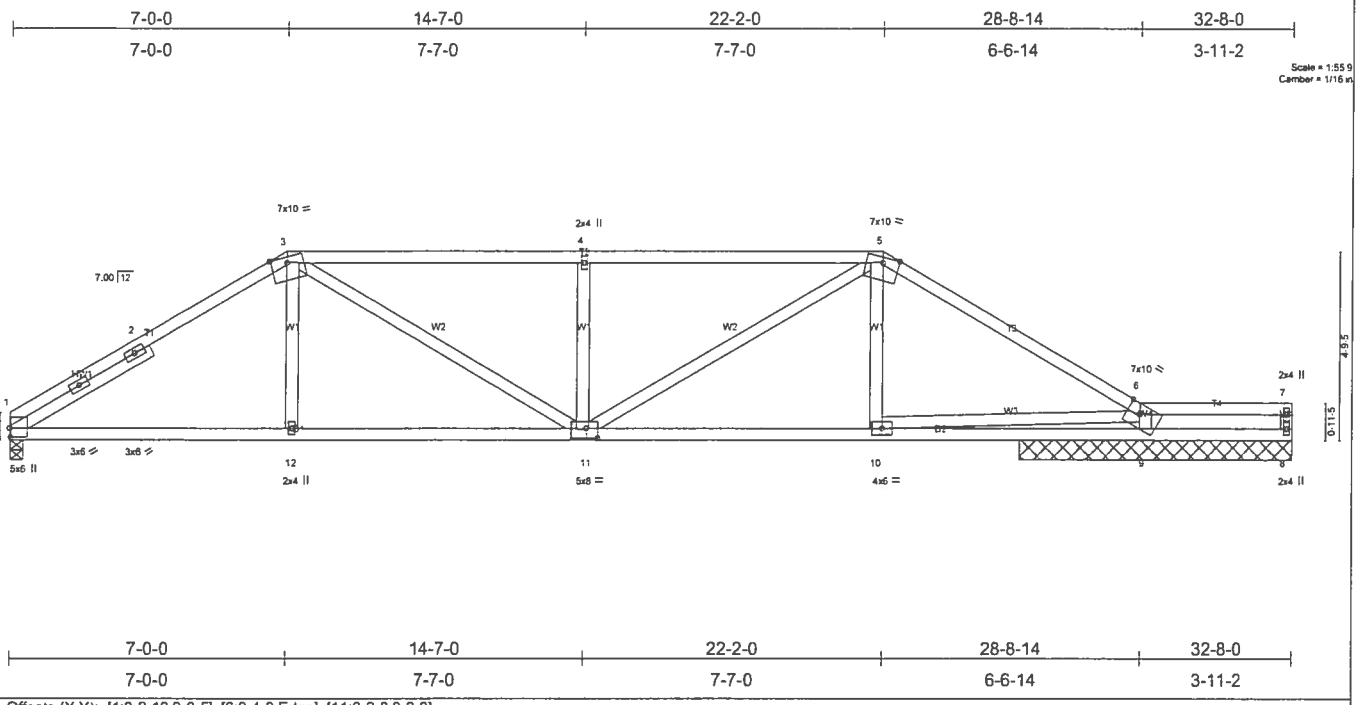


Plate Offsets (X,Y): [1:0-2-12,0-0-5], [6:0-4-0,Edge], [11:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.15	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.24	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 161 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 4-1-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=1204/0-4-0, 8=80/7-0-0, 9=1448/7-0-0
Max Horz 1=153(load case 4)
Max Uplift1=-378(load case 4), 8=-108(load case 4), 9=-431(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1835/672, 2-3=-1675/692, 3-4=-2017/859, 4-5=-2009/854, 5-6=-1741/652, 6-7=-20/98, 7-8=-60/121
BOT CHORD 1-12=-615/1494, 11-12=-614/1501, 10-11=-469/1433, 9-10=-165/289, 8-9=-98/20
WEBS 3-12=0/228, 3-11=-432/698, 4-11=-439/389, 5-11=-417/745, 5-10=0/113, 6-10=-364/1147, 6-9=-1289/595

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 378 lb uplift at joint 1, 108 lb uplift at joint 8 and 431 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061640

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T21	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:29 2006 Page 1

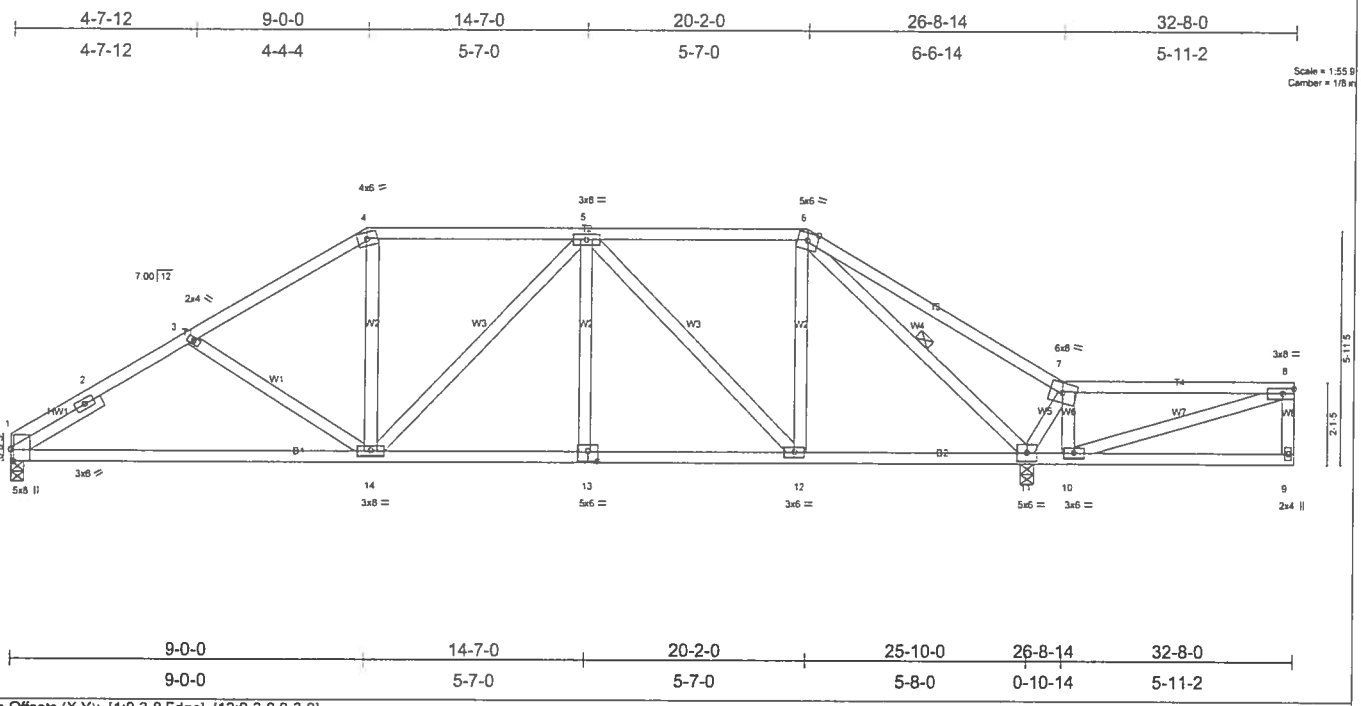


Plate Offsets (X,Y): [1:0-3-8,Edge], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.14	1-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.24	1-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.04	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 186 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*
W8 2 X 4 SYP No.2
SLIDER Left 2 X 4 SYP No.3 2-7-11

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-11

REACTIONS (lb/size) 1=1012/0-4-0, 11=1719/0-4-0
Max Horz 1=189(load case 4)
Max Uplift1=-307(load case 5), 11=-676(load case 4)
Max Grav 1=1022(load case 9), 11=1719(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1504/499, 2-3=-1387/513, 3-4=-1295/450, 4-5=-1081/443, 5-6=-667/287, 6-7=-739/918, 7-8=-562/586, 8-9=-103/82
BOT CHORD 1-14=-452/1220, 13-14=-333/1091, 12-13=-333/1093, 11-12=-167/651, 10-11=-608/590, 9-10=-100/81
WEBS 3-14=-177/209, 4-14=-37/341, 5-14=-94/202, 5-13=0/140, 5-12=-614/404, 6-12=-247/610, 6-11=-1903/1071, 7-10=-415/279, 8-10=-700/695, 7-11=-251/339

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 1 and 676 lb uplift at joint 11.

LOAD CASE(S) Standard

JANUARY 05, 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

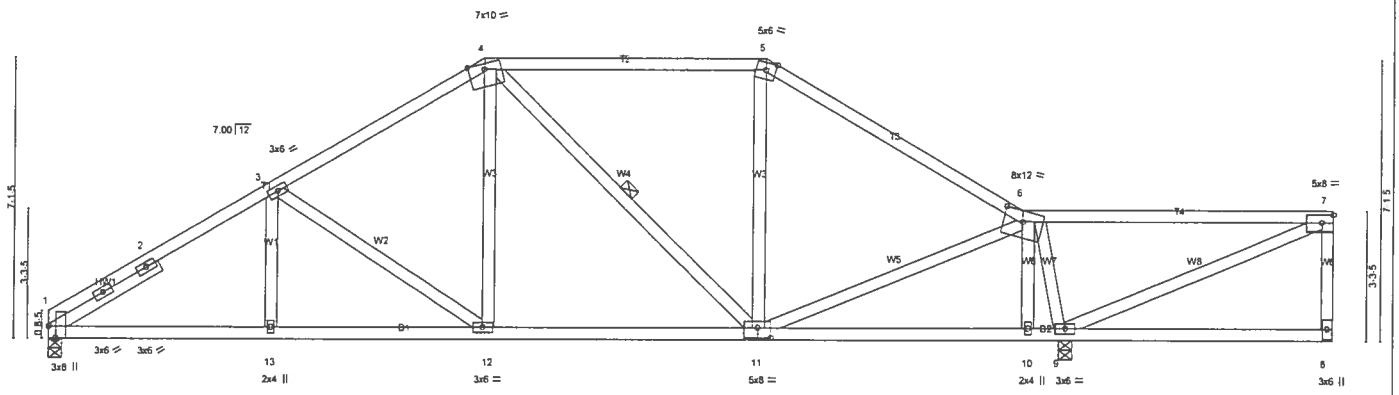
Dwg.#0105061641

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T22	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:30 2006 Page 1

5-7-12	11-0-0	18-2-0	24-8-14	32-8-0
5-7-12	5-4-4	7-2-0	6-6-14	7-11-2

Scale = 1:55.8



5-7-12	11-0-0	18-2-0	24-8-14	25-10-0	32-8-0
5-7-12	5-4-4	7-2-0	6-6-14	1-1-2	6-10-0

Plate Offsets (X,Y): [1:0-3-8,Edge], [6:0-6-0,0-3-6], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	-0.07	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.12	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 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
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-2-9

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-11

REACTIONS (lb/size) 1=1004/0-4-0, 9=1728/0-4-0
Max Horz 1=225(load case 4)
Max Uplift1=-315(load case 5), 9=-751(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1505/447, 2-3=-1406/463, 3-4=-1119/397, 4-5=-700/294, 5-6=-902/287, 6-7=-525/584, 7-8=-123/97
BOT CHORD 1-13=-485/1214, 12-13=-485/1214, 11-12=-274/922, 10-11=-210/448, 9-10=-208/455, 8-9=-106/103
WEBS 3-13=0/161, 3-12=-361/257, 4-12=-104/386, 4-11=-337/275, 5-11=-25/164, 6-11=-548/960, 6-10=0/249, 7-9=-750/689, 6-9=-1308/391

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 315 lb uplift at joint 1 and 751 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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

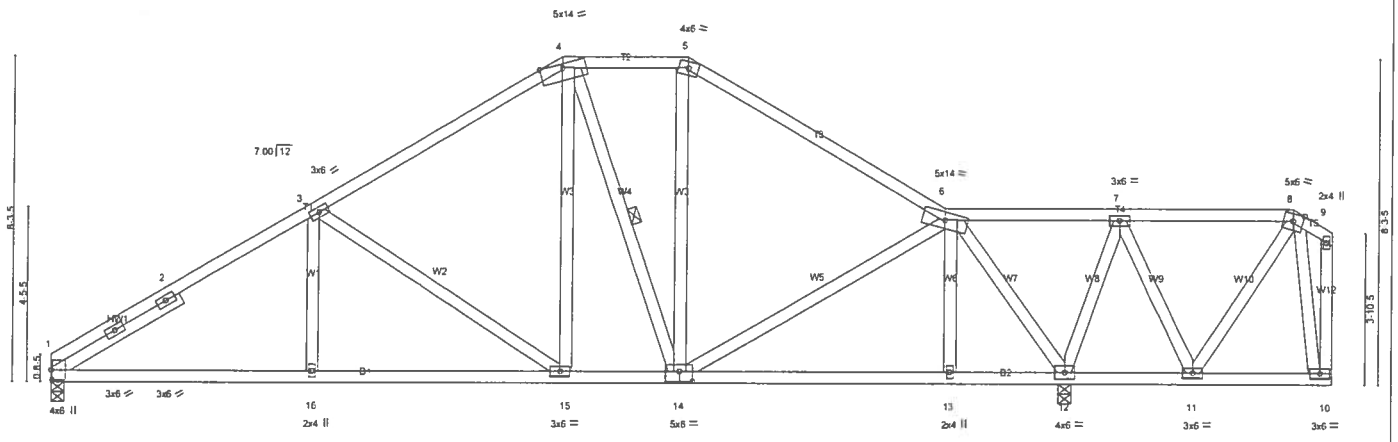
Dwg.#0105061642

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T23	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:31 2006 Page 1

6-7-12	13-0-0	16-2-0	22-8-14	27-2-7	31-8-0	32-8-0
6-7-12	6-4-4	3-2-0	6-6-14	4-5-9	4-5-9	1-0-0

Scale = 1:56.0



6-7-12	13-0-0	16-2-0	22-8-14	25-10-0	29-1-4	32-8-0
6-7-12	6-4-4	3-2-0	6-6-14	3-1-2	3-3-4	3-6-12

Plate Offsets (X,Y): [1:0-3-0,0-0-5], [14:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.08	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.13	15-16	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.04	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-9-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-14

REACTIONS (lb/size) 1=1012/0-4-0, 12=1719/0-4-0
Max Horz 1=263(load case 4)
Max Uplift1=-324(load case 5), 12=-762(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1499/450, 2-3=-1347/469, 3-4=-990/367, 4-5=-712/342, 5-6=-911/338, 6-7=-384/449, 7-8=-86/124, 8-9=-26/52, 9-10=-57/59
BOT CHORD 1-16=-516/1211, 15-16=-516/1211, 14-15=-249/785, 13-14=-139/373, 12-13=-138/379, 11-12=-269/254, 10-11=-7/6
WEBS 3-16=0/214, 3-15=-519/323, 4-15=-146/402, 4-14=-289/232, 5-14=-59/263, 6-14=-273/393, 6-13=0/171, 6-12=-1381/561, 7-12=-572/489, 7-11=-348/349, 8-11=-248/209, 8-10=-20/40

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 324 lb uplift at joint 1 and 762 lb uplift at joint 12.

LOAD CASE(S) Standard

JANUARY 05, 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

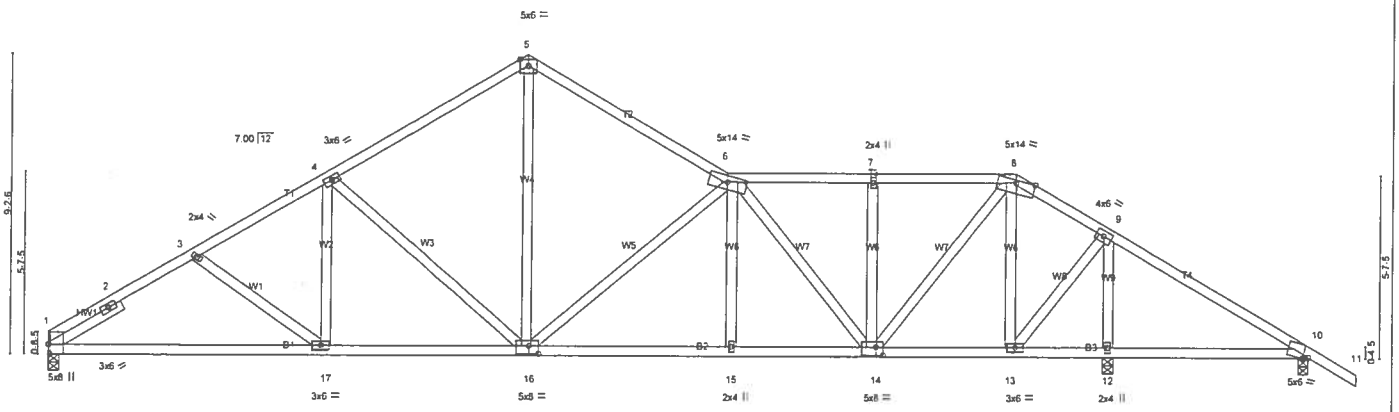
Dwg.#0105061643

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T24	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:32 2006 Page 1

4-4-5	8-5-2	14-7-0	20-8-14	25-2-7	29-8-0	32-6-0	38-8-0	40-2-0
4-4-5	4-0-13	6-1-14	6-1-14	4-5-9	4-5-9	2-10-0	6-2-0	1-6-0

Scale = 1:67.6
Camber = 1/8 in



4-4-5	8-5-2	14-7-0	20-8-14	25-2-7	29-8-0	32-6-0	38-8-0
4-4-5	4-0-13	6-1-14	6-1-14	4-5-9	4-5-9	2-10-0	6-2-0

Plate Offsets (X,Y): [1:0-3-8,Edge], [10:0-2-1,Edge], [14:0-2-12,0-3-0], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.66	Vert(LL)	0.18	10-12	>404	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.27	10-12	>263	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.06	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 233 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 2-6-11

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-7 oc bracing.

REACTIONS (lb/size) 1=1266/0-4-0, 12=2657/0-4-0, 10=241/0-4-0
Max Horz 1=-328(load case 2)
Max Uplift1=-397(load case 4), 12=-1003(load case 5), 10=-329(load case 2)
Max Grav 1=1266(load case 1), 12=2657(load case 1), 10=328(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1942/614, 2-3=-1877/627, 3-4=-1766/583, 4-5=-1355/529, 5-6=-1362/511, 6-7=-996/444, 7-8=-990/440, 8-9=-255/186, 9-10=-234/908, 10-11=0/40
BOT CHORD 1-17=-543/1579, 16-17=-421/1501, 15-16=-324/1577, 14-15=-323/1581, 13-14=-31/138, 12-13=-678/296, 10-12=-678/296
WEBS 3-17=-115/150, 4-17=-43/288, 4-16=-551/309, 5-16=-305/932, 6-16=-649/352, 6-15=0/157, 6-14=-894/282, 7-14=-247/252, 8-14=-442/1394, 8-13=-1108/344, 9-13=-264/1289, 9-12=-1863/625

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; 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 397 lb uplift at joint 1, 1003 lb uplift at joint 12 and 329 lb uplift at joint 10.
5) Girder carries tie-in span(s): 9-0-0 from 32-6-0 to 38-8-0
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: 1-5=-54, 5-6=-54, 6-8=-54, 8-11=-54, 1-12=-30, 10-12=-170(F=-140)

JANUARY 05, 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

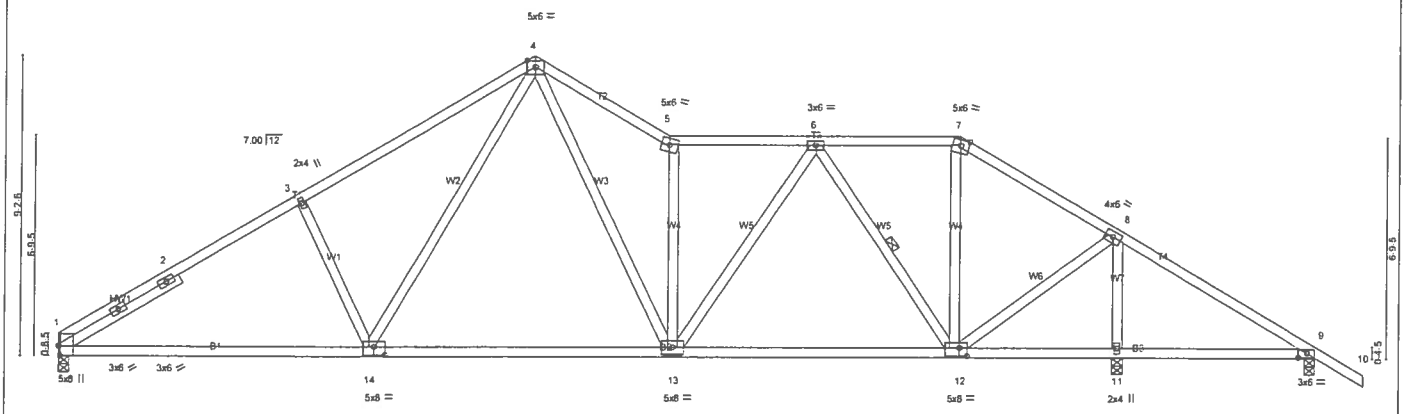
Dwg.#0105061644

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T25	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:33 2006 Page 1

7-5-4	14-7-0	18-8-14	23-2-7	27-8-0	32-6-0	38-8-0	40-2-0
7-5-4	7-1-12	4-1-14	4-5-9	4-5-9	4-10-0	6-2-0	1-6-0

Scale = 1:67.6
Camber = 1/8 in



9-6-3	18-8-14	27-8-0	32-6-0	38-8-0
9-6-3	9-2-11	8-11-2	4-10-0	6-2-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.18	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.30	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.05	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 222 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-12

REACTIONS (lb/size) 1=1288/0-4-0, 11=2099/0-4-0, 9=-63/0-4-0
Max Horz 1=-328(load case 3)
Max Uplift1=-408(load case 5), 11=-756(load case 6), 9=-154(load case 6)
Max Grav 1=1288(load case 1), 11=2099(load case 1), 9=27(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1933/695, 2-3=-1766/717, 3-4=-1776/778, 4-5=-1767/830, 5-6=-1477/662, 6-7=-569/345, 7-8=-736/348, 8-9=-228/806, 9-10=0/40
BOT CHORD 1-14=-505/1581, 13-14=-279/1120, 12-13=-326/1120, 11-12=-610/312, 9-11=-610/312
WEBS 3-14=-336/346, 4-14=-304/689, 4-13=-402/917, 5-13=-1040/535, 6-13=-173/643, 6-12=-972/395, 7-12=-22/153, 8-12=-399/1476, 8-11=-1921/738

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 408 lb uplift at joint 1, 756 lb uplift at joint 11 and 154 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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

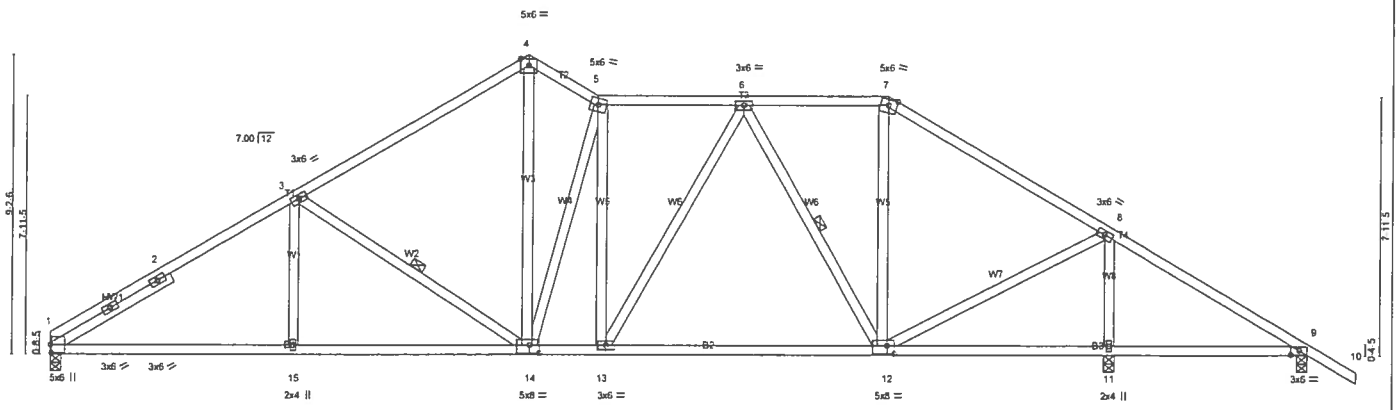
Dwg.#0105061645

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T26	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Jan 04 18:01:34 2006 Page 1

7-5-4	14-7-0	16-8-14	21-2-7	25-8-0	32-6-0	38-8-0	40-2-0
7-5-4	7-1-12	2-1-14	4-5-9	4-5-9	6-10-0	6-2-0	1-6-0

Scale = 1:67.8
Camber = 1/8 in



7-5-4	14-7-0	16-8-14	21-2-7	25-8-0	32-6-0	38-8-0
7-5-4	7-1-12	2-1-14	4-5-9	4-5-9	6-10-0	6-2-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.08	9-11	>935	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.32	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.06	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 238 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 4-3-0

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 6-12

REACTIONS (lb/size) 1=1312/0-4-0, 11=1941/0-4-0, 9=70/0-4-0
Max Horz 1=-328(load case 3)
Max Uplift1=-416(load case 5), 11=-694(load case 6), 9=-206(load case 6)
Max Grav 1=1312(load case 1), 11=1941(load case 1), 9=112(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2018/713, 2-3=-1849/734, 3-4=-1459/641, 4-5=-1345/666, 5-6=-1351/654, 6-7=-831/476, 7-8=-1060/470, 8-9=-117/532, 9-10=0/40
BOT CHORD 1-15=-512/1646, 14-15=-512/1646, 13-14=-378/1354, 12-13=-360/1164, 11-12=-371/207, 9-11=-371/207
WEBS 3-15=0/239, 3-14=-582/352, 4-14=-430/1016, 5-14=-693/320, 5-13=-143/136, 6-13=-119/392, 6-12=-662/330, 7-12=-70/229, 8-12=-333/1361, 8-11=-1734/690

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 416 lb uplift at joint 1, 694 lb uplift at joint 11 and 206 lb uplift at joint 9.

LOAD CASE(S) Standard

JANUARY 05, 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.#0105061646

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T27	COMMON	2	1	Job Reference (optional)

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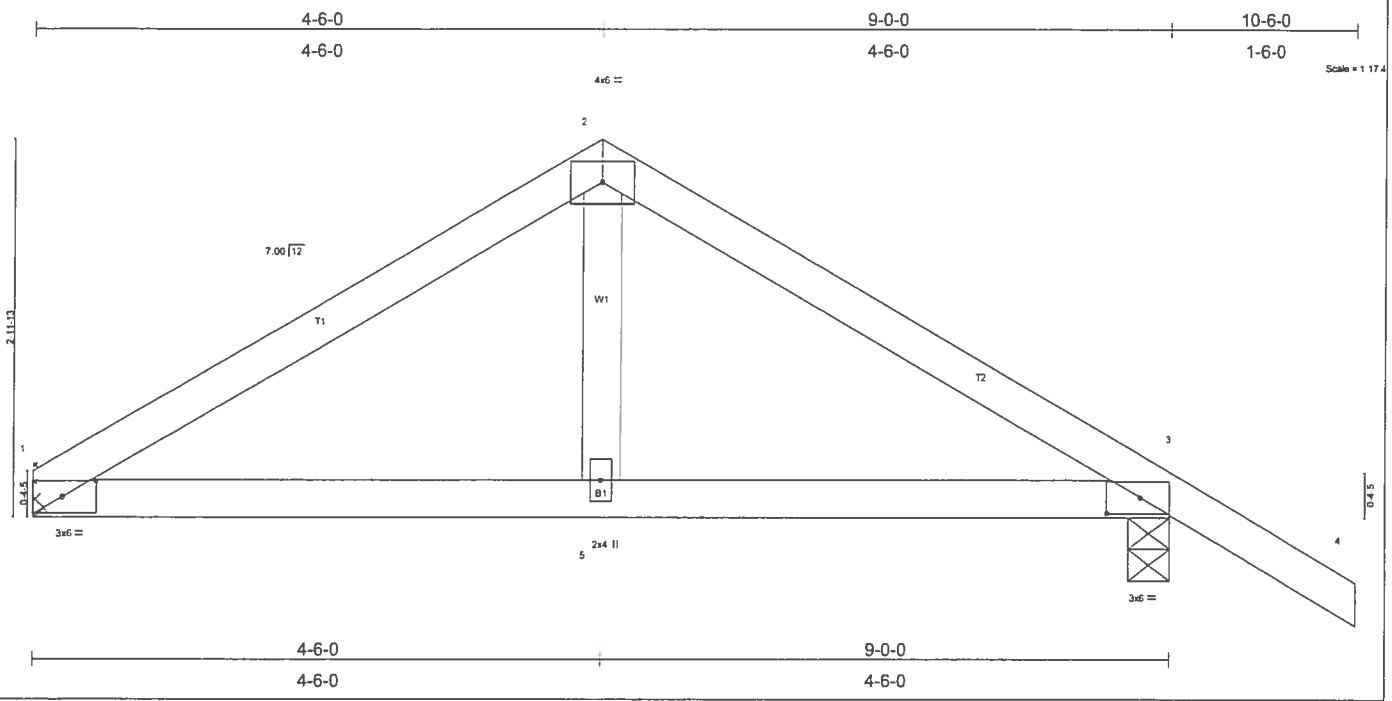

Plate Offsets (X,Y): [1:0-3-4,0-1-8], [3:0-3-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	0.04	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	0.03	1-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 35 lb	

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

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

REACTIONS (lb/size) 1=360/Mechanical, 3=467/0-4-0
Max Horz 1=-112(load case 3)
Max Uplift1=-225(load case 5), 3=-333(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-463/469, 2-3=-469/478, 3-4=0/40
BOT CHORD 1-5=-283/352, 3-5=-283/352
WEBS 2-5=-282/163

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1 and 333 lb uplift at joint 3.

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.#0105061647

Job	Truss	Truss Type	Qty	Ply	HUGO ESCALANTE-LOT 39 TRE
L144266	T27G	COMMON	1	1	Job Reference (optional)

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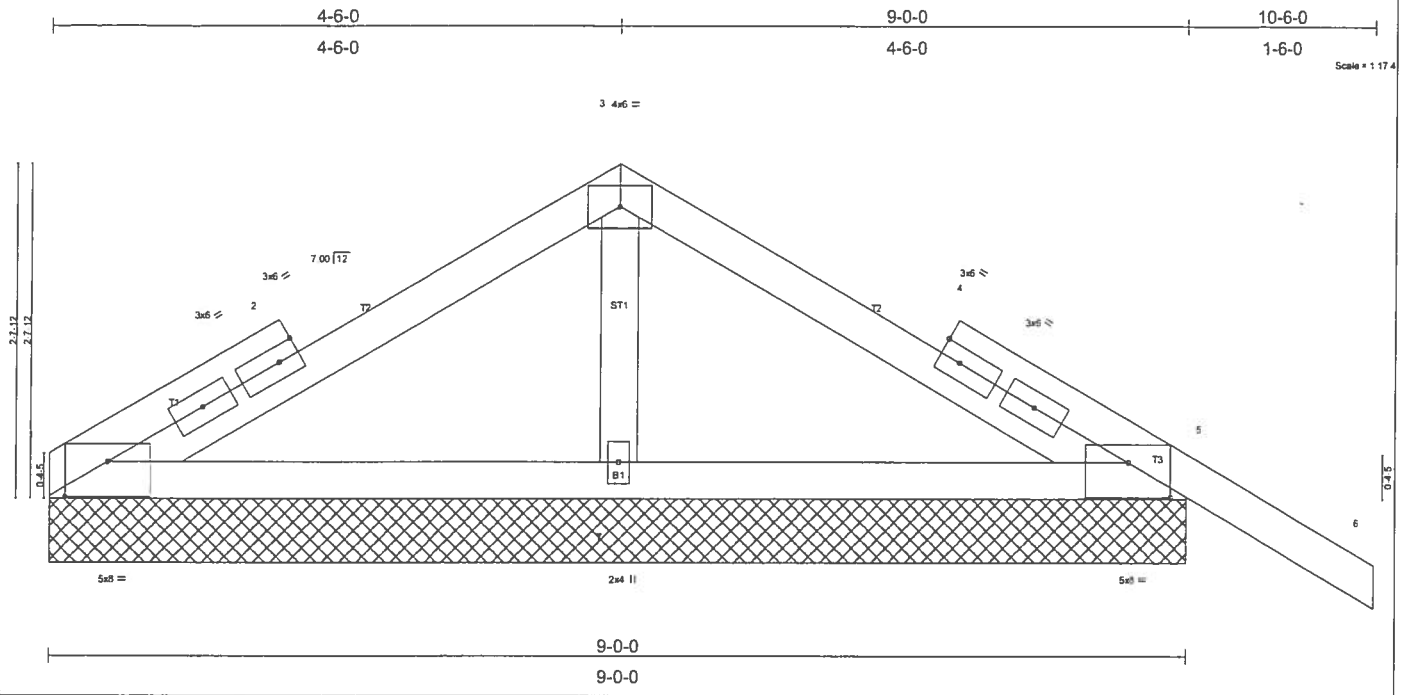

Plate Offsets (X,Y): [1:0-4-0,0-3-5], [5:0-4-0,0-3-5]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.01	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	0.01	6	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.10	Horz(TL)	0.00	5	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 9-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=141/9-0-0, 5=293/9-0-0, 7=749/9-0-0
Max Horz 1=-100(load case 3)
Max Uplift1=-43(load case 5), 5=-188(load case 6), 7=-261(load case 5)
Max Grav 1=160(load case 9), 5=319(load case 10), 7=749(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-86/147, 2-3=-91/266, 3-4=-69/258, 4-5=-62/147, 5-6=-3/63
BOT CHORD 1-7=-135/157, 5-7=-135/157
WEBS 3-7=-577/287

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=16ft; 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 43 lb uplift at joint 1, 188 lb uplift at joint 5 and 261 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: 1-3=-87(F=-33), 3-6=-87(F=-33), 1-5=-30

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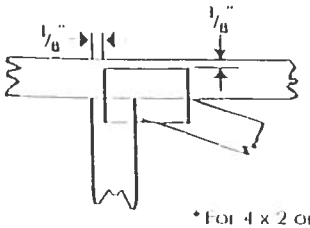
Symbols

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

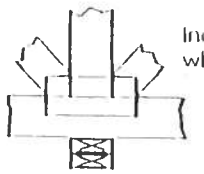
4 X 4

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

LATERAL BRACING

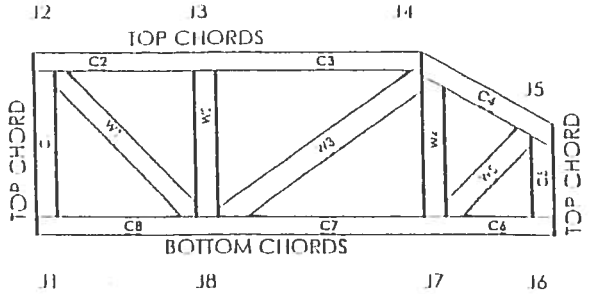
Indicates location of required continuous lateral bracing.

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.