

L143640

Builder:

HUGO ESCALANTE

Date:

12/19/2005

Lot:

LOT 25 ROLLING MEADOWS Start Number:

1255

Subdivision:

N/A

County or City:

COLUMBIA COUNTY

Truss Page Count:

35

Truss Design Load Information (UNO)

Design Program: MiTek 5.2 / 6.2

Gravity

Wind

Building Code:

FBC2004

Roof (psf): 42

42

Wind Standard:

ASCE 7-02

Floor (psf): 55

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

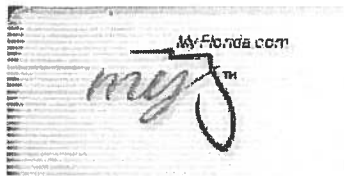
Address

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 vertical loads only, unless noted otherwise.

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Licensee Details**Licensee Information**

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

License Information

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

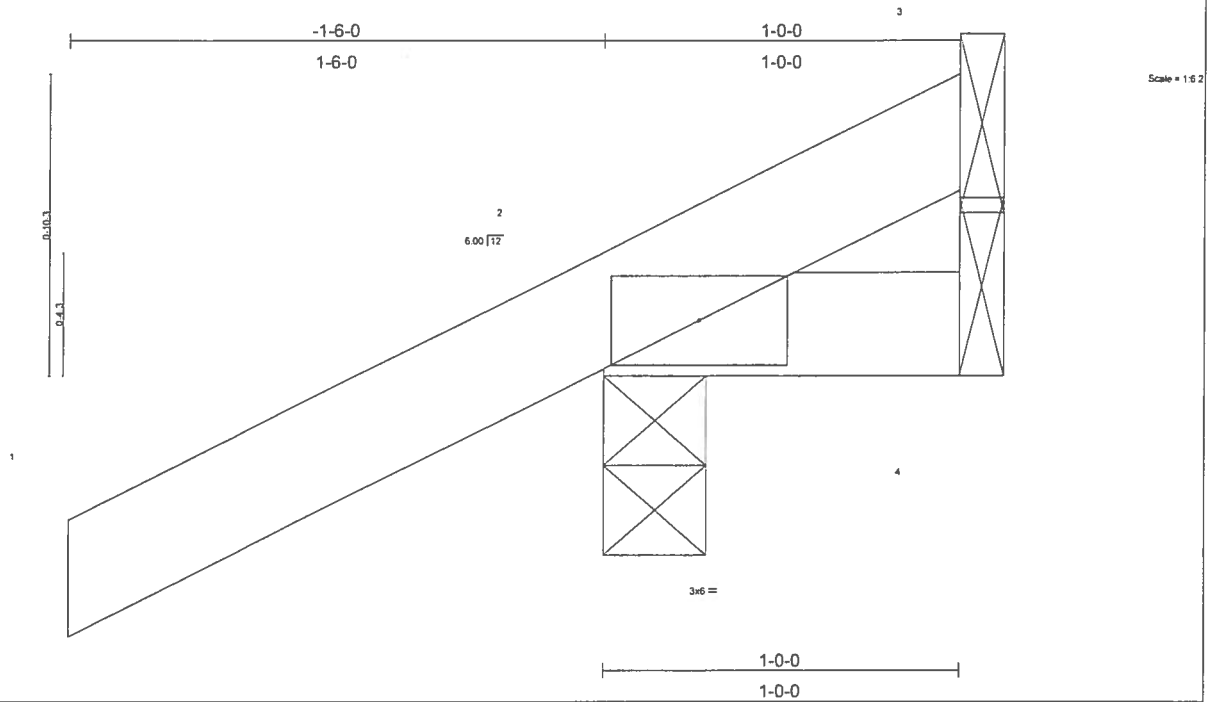
Special Qualifications	Effective Date
Qualified Business License Required	11/24/2003

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Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	CJ1	MONO TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code FBC2004/TP12002			Weight: 6 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=189/0-3-8, 4=14/Mechanical, 3=40/Mechanical

Max Horz 2=70(load case 5)
 Max Uplift 2=180(load case 5), 3=40(load case 1)
 Max Grav 2=189(load case 1), 4=14(load case 1), 3=61(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

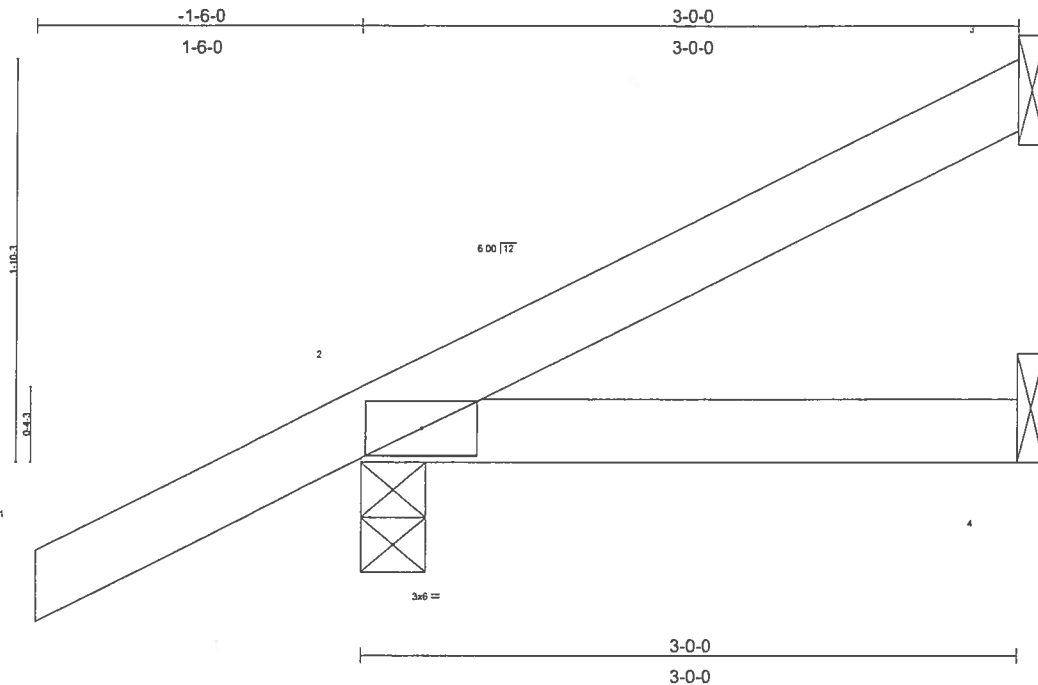
TOP CHORD 1-2=0/35, 2-3=-45/34
 BOT CHORD 2-4=0/0

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	CJ3	MONO TRUSS	6	1	Job Reference (optional)
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Scale = 1/10

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

LUMBER

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

BRACING

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

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

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=-48/16
BOT CHORD 2-4=0/0

NOTES

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

LOAD CASE(S) Standard

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LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	Rigid ceiling directly applied or 10-0-0 oc bracing.

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

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=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.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	EJ7	MONO TRUSS	20	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055					6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:47:55 2005 Page 1

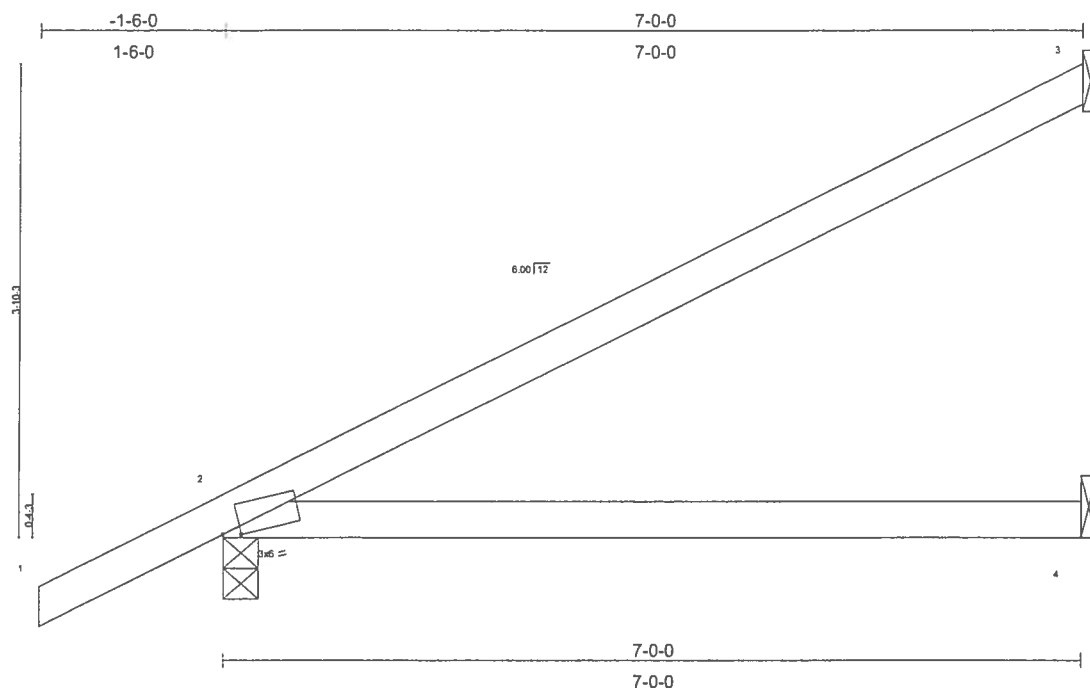


Plate Offsets (X,Y): [2-0-1-12-0-0-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.13	2-4	>606	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.37	Vert(TL)	-0.22	2-4	>365	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 25 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=166/Mechanical, 2=385/0-3-8, 4=108/Mechanical

Max Horz 2=208(load case 5)

Max Uplift 3=139(load case 5), 2=172(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/35, 2-3=122/59

BOT CHORD 2-4=0/0

NOTES

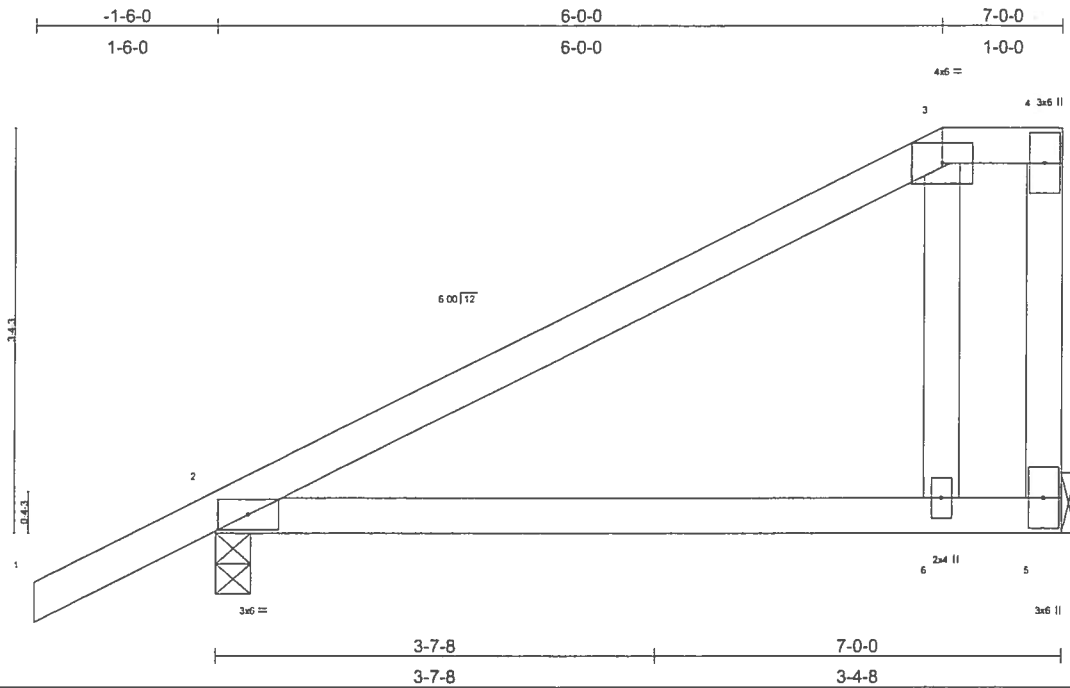
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to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

LOAD CASE(S) Standard

Job L143640	Truss EJ7A	Truss Type MONO HIP	Qty 2	Ply 1	HUGO-LOT 40 THREE RIVERS ESTATES Job Reference (optional)
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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def l/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.63	Vert(LL) 0.06 2-6 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.34	Vert(TL) -0.11 2-6 >759 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.06	Horz(TL) 0.00 5 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 33 lb

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

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

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

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

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	EJ7B	MONO TRUSS	3	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:47:56 2005 Page 1		

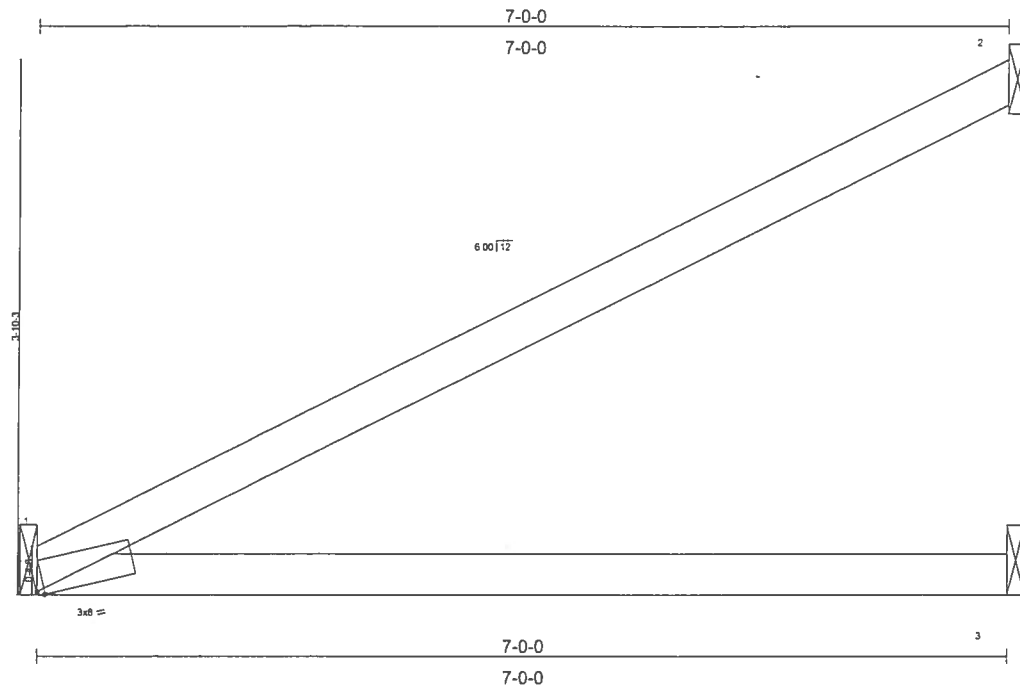


Plate Offsets (X,Y): [1:0-0-10,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	Vert(LL)	-0.16	1-3	>520	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.42	Vert(TL)	-0.26	1-3	>316	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 22 lb	

LUMBER

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

BRACING

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

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

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-126/62
 BOT CHORD 1-3=0/0

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	EJ7G	MONO HIP	2	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:47:57 2005 Page 1		

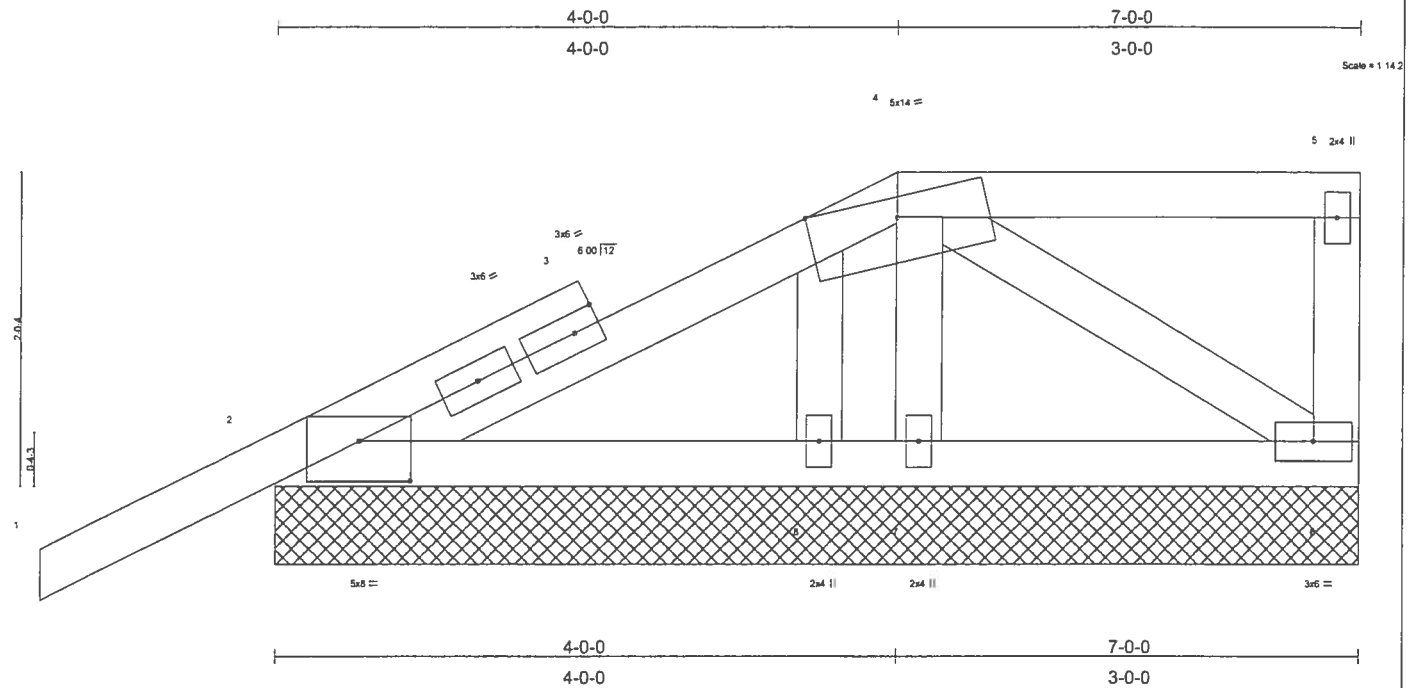


Plate Offsets (X,Y): [2-0-4-0,0-3-1]

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

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

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

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

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

NOTES

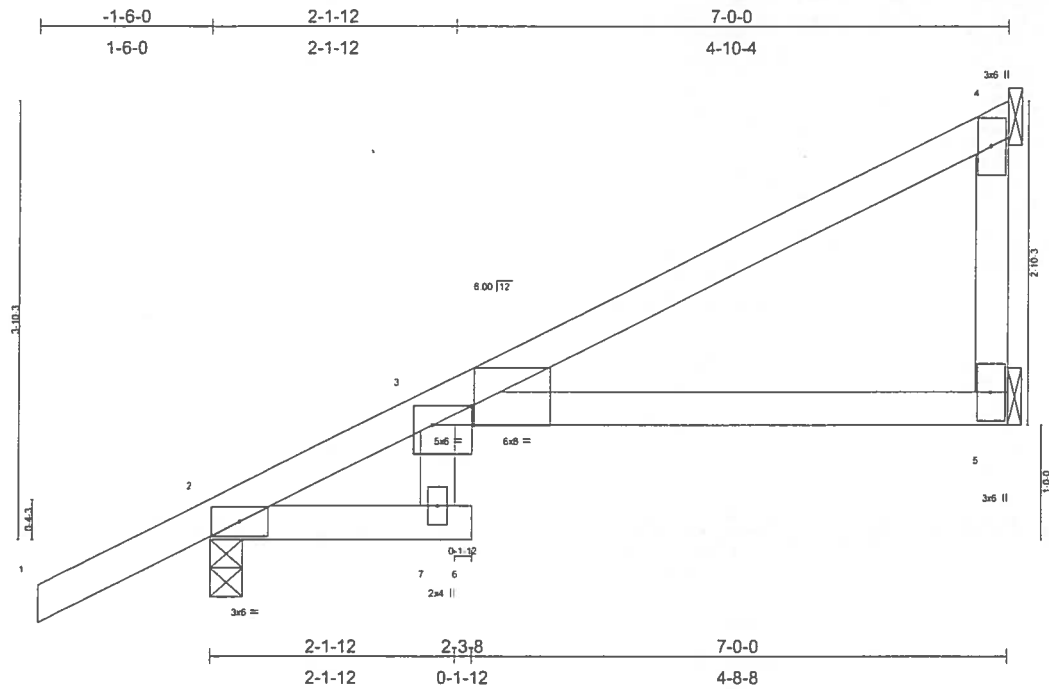
- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Truss designed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

LOAD CASE(S) Standard

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

Job L143640	Truss EJ7T	Truss Type SPECIAL	Qty 6	Ply 1	HUGO-LOT 40 THREE RIVERS ESTATES
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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Scale = 1/16"

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.65	Vert(LL)	0.12	6	>646	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.68	Vert(TL)	-0.17	3-5	>478	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.07	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
									Weight: 30 lb	

LUMBER

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

BRACING

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

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

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

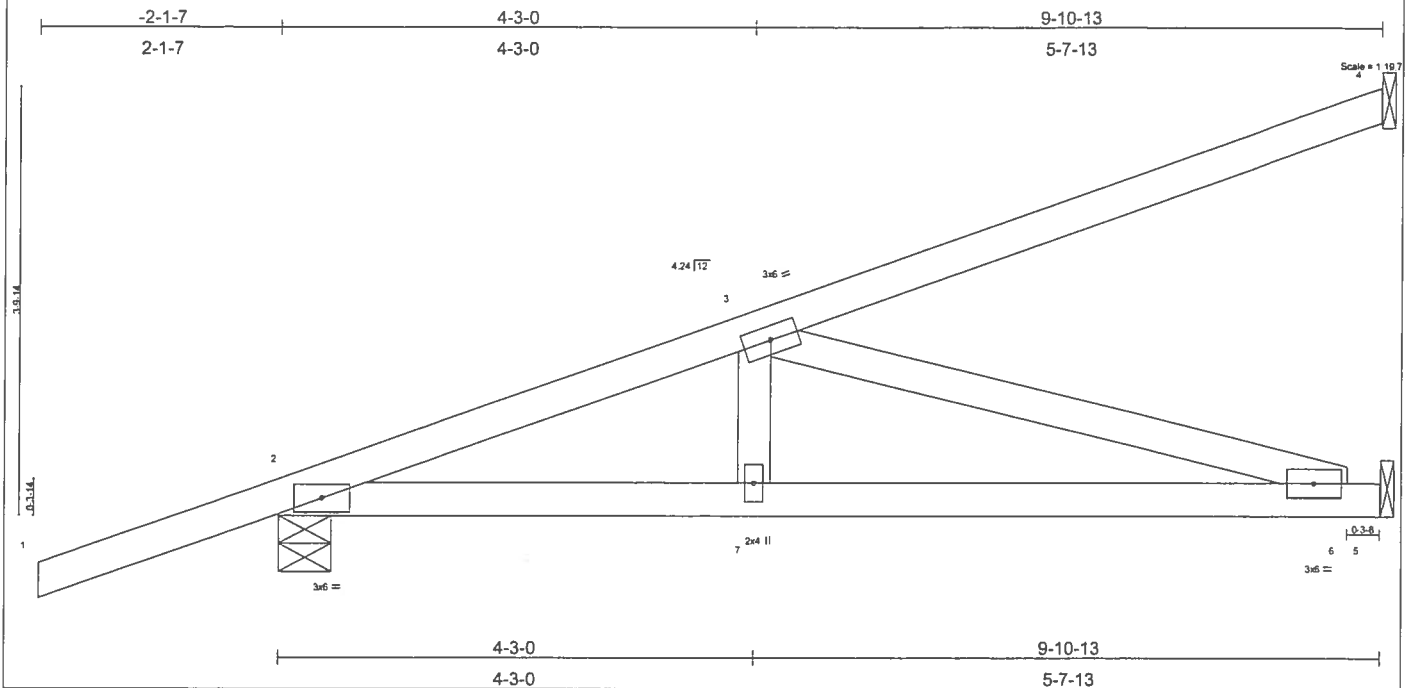
NOTES

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

LOAD CASE(S) Standard

Job L143640	Truss HJ9	Truss Type MONO TRUSS	Qty 3	Ply 1	HUGO-LOT 40 THREE RIVERS ESTATES
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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

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

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

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

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

NOTES

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

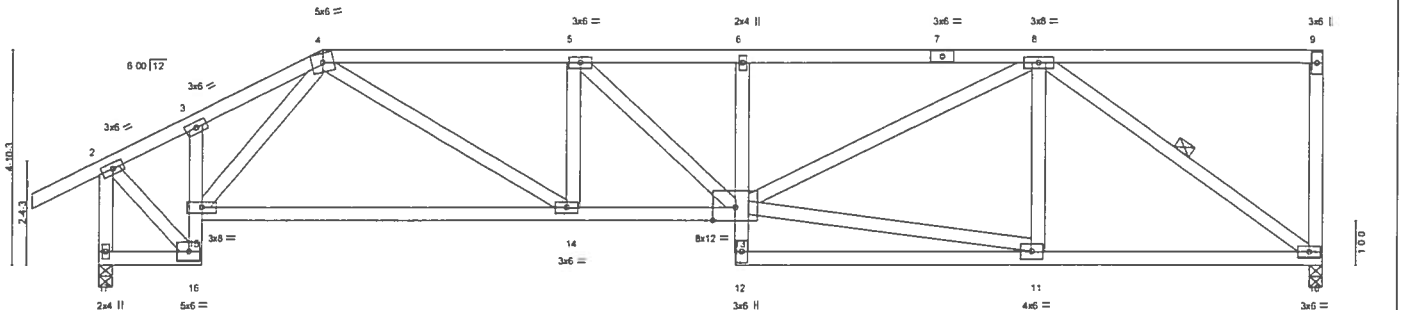
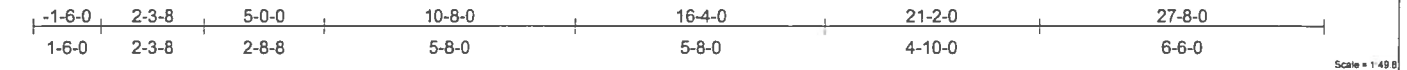
LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.44	Vert(LL) -0.22 14-15 >999 240	MT20	244/190
TCOL 7.0	Lumber Increase 1.25	BC 0.80	Vert(TL) -0.36 14-15 >912 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.47	Horz(TL) 0.16 10 n/a n/a		
BCOL 5.0	Code FBC2004/TP12002	(Matrix)			
				Weight: 175 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 "Except"
 B2 2 X 4 SYP No.1D, B4 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

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

REACTIONS

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

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

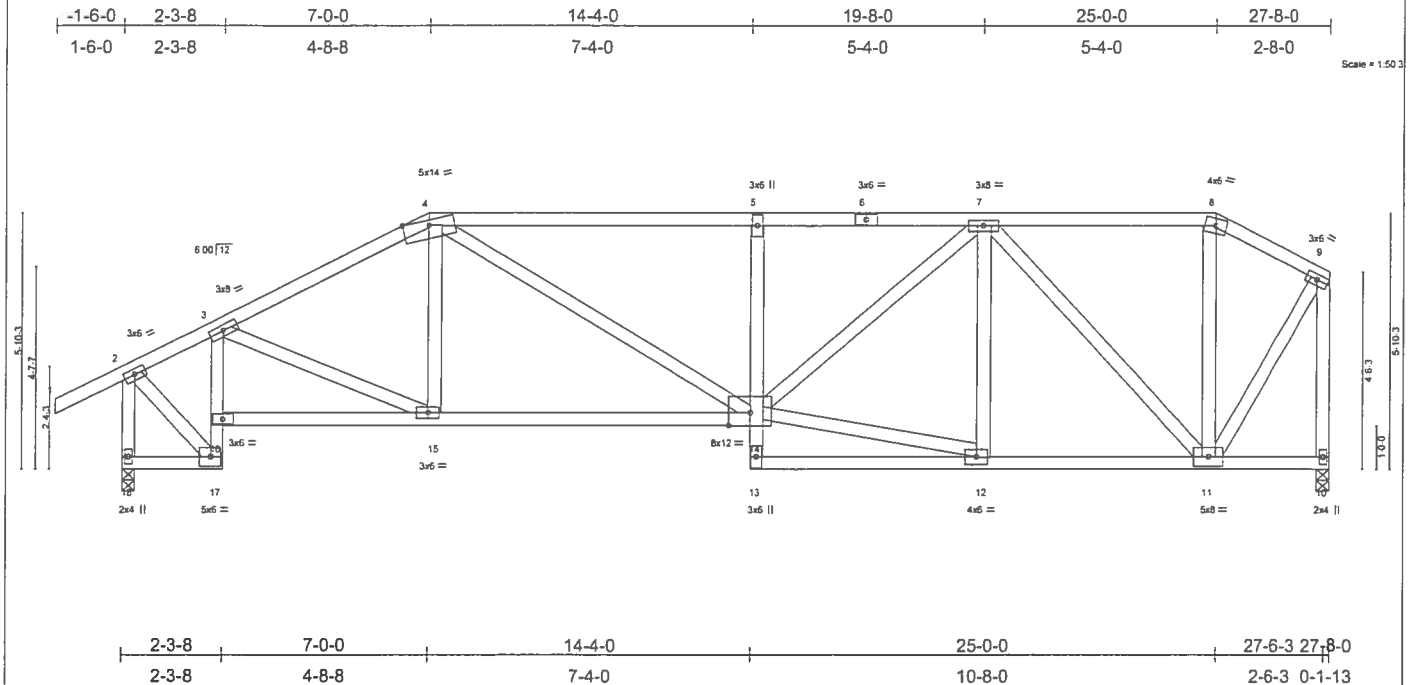
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCOL=4.2psf, BCOL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T03	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	TC (LL)	-0.14	14-15	>999	240	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.84	Vert(TL)	-0.23	14-15	>999	180	
BCLL 10.0	Rep Stress Incr	YES	WB 0.98	Horz(TL)	0.13	10	n/a	n/a	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 188 lb	

LUMBER

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

BRACING

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

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

FORCES (lb) - Maximum Compression/Maximum Tension

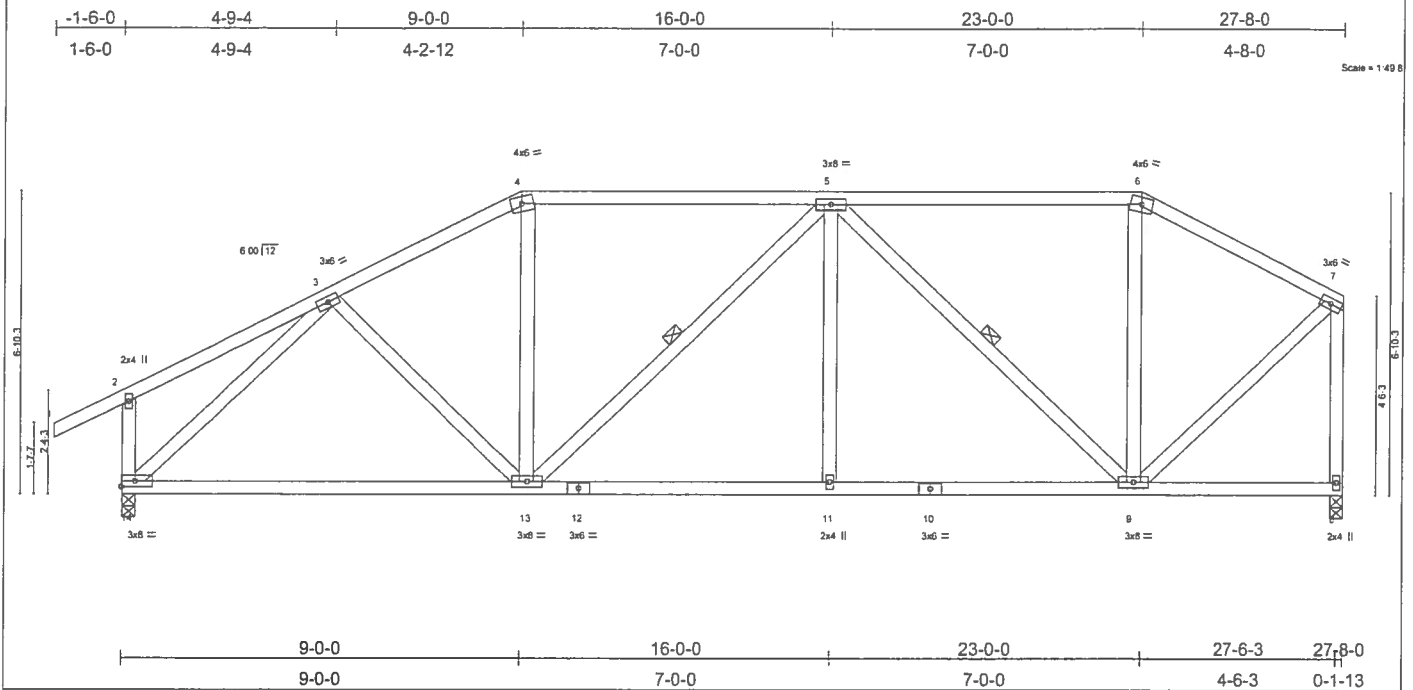
TOP CHORD 1-2=0/40, 2-3=859/429, 3-4=1572/700, 4-5=1786/812, 5-6=1746/797, 6-7=1746/797, 7-8=520/272, 8-9=596/263, 9-10=1117/478, 2-18=1354/684
 BOT CHORD 17-18=180/10, 16-17=569/169, 3-16=540/198, 15-16=588/956, 14-15=622/1368, 13-14=0/81, 5-14=357/252, 12-13=74/88, 11-12=486/1188, 10-11=4/6
 WEBS 3-15=198/490,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

NOTES

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

LOAD CASE(S) Standard

Job L143640	Truss TD4	Truss Type SPECIAL	Qty 1	Ply 1	HUGO-LOT 40 THREE RIVERS ESTATES
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:02 2005 Page 1



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

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

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

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

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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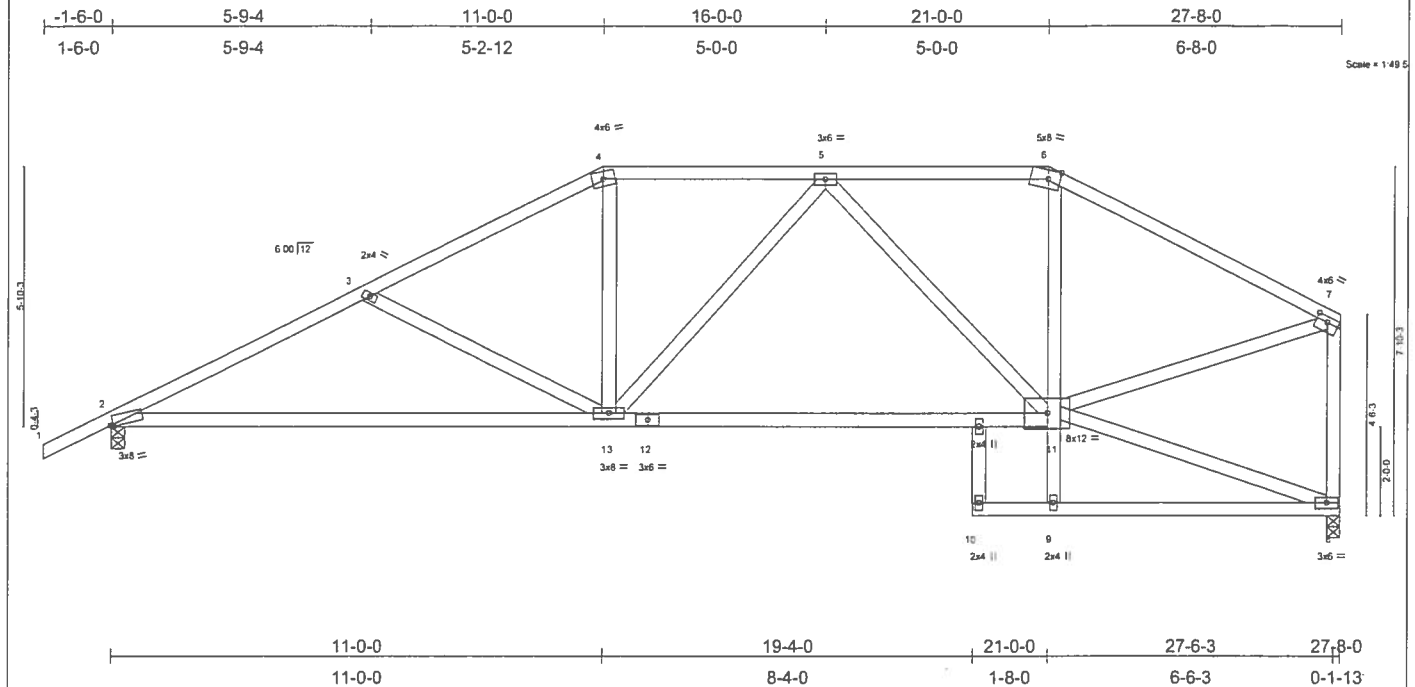


Plate Offsets (X,Y): [2:0-0,10,Edge], [6:0-3,3,Edge], [7:0-3-0,0-1-8]

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

LUMBER

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

BRACING

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

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

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T06	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055					6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:04 2005 Page 1

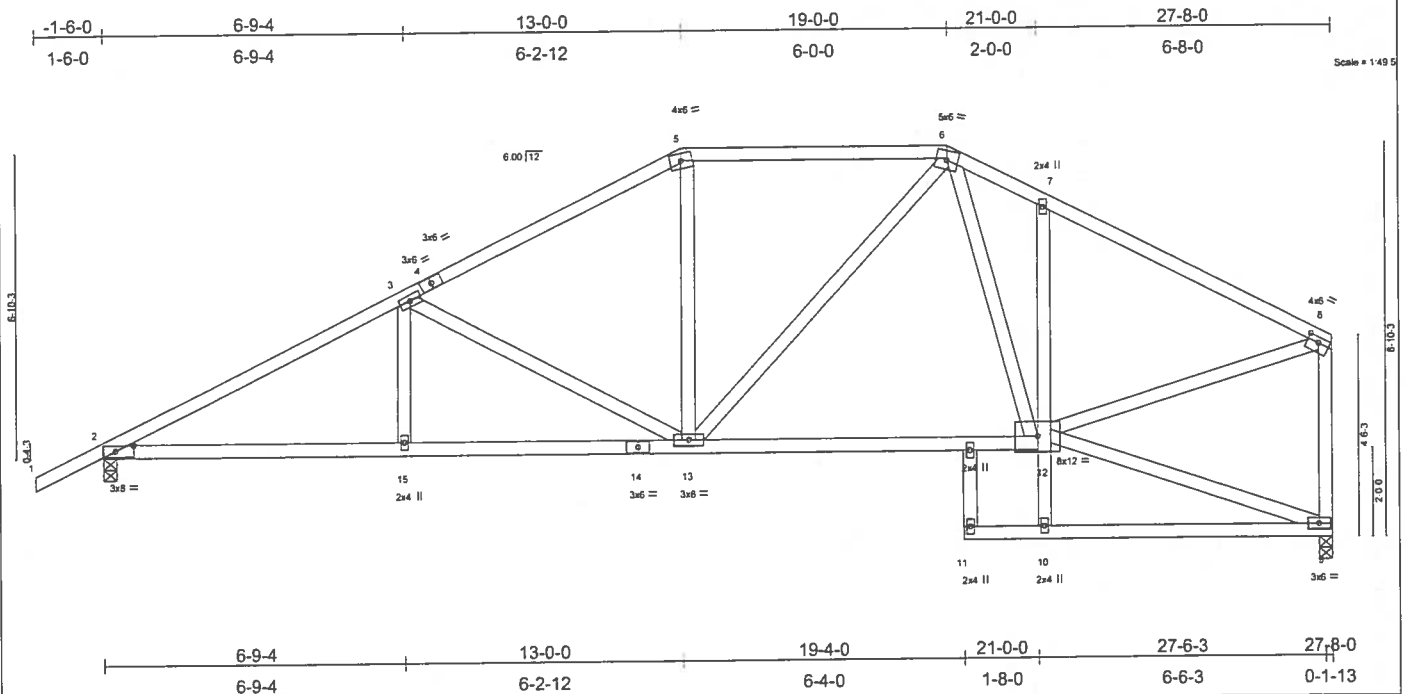


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [8:0-3-0,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.57	Vert(LL)	-0.15 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.56	Vert(TL)	-0.24 12-13	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.55	Horz(TL)	0.08 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 176 lb

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=1256/0-3-8, 9=1187/0-3-8

Max Horz 2=211(load case 5)

Max Uplift 2=459(load case 5), 9=327(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T08	COMMON	2	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:06 2005 Page 1		

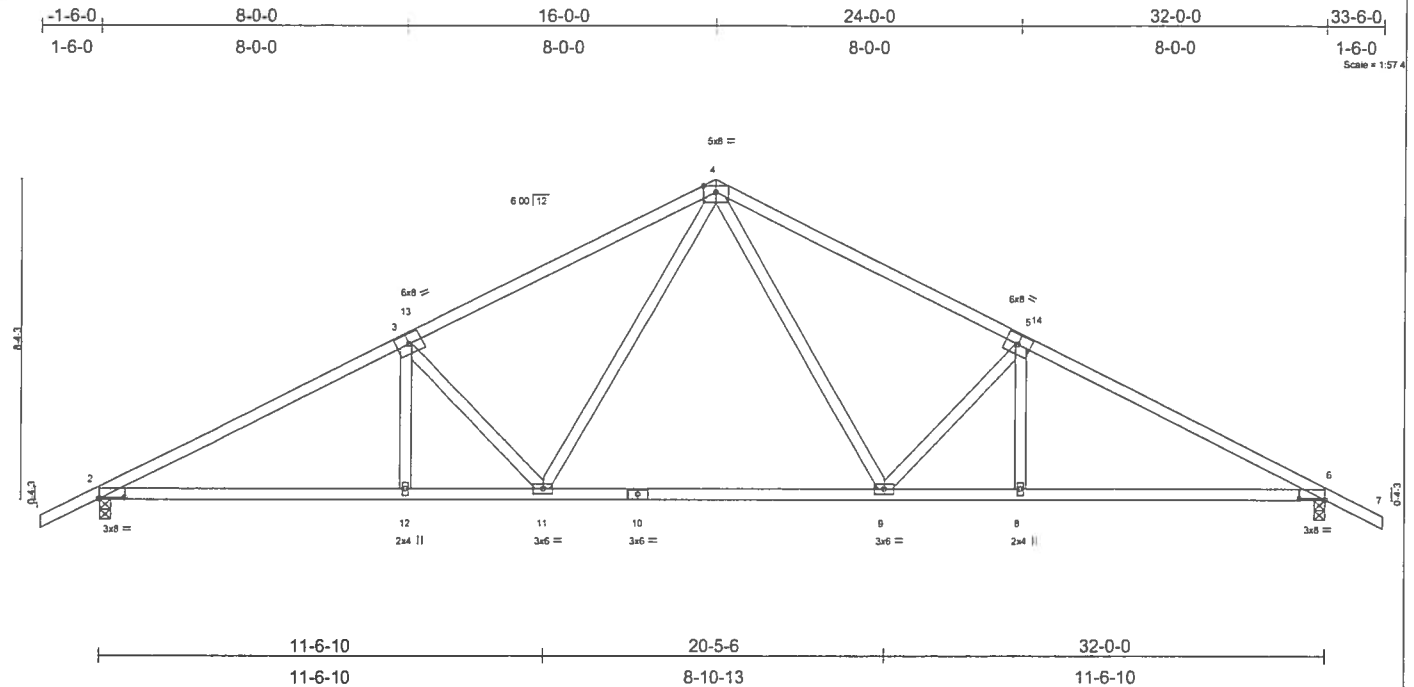


Plate Offsets (X,Y): [2-0-8-0-0-0-6], [6-0-8-0-0-0-6]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.52	In (loc)	l/defl	L/d	
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(LL)	-0.28 9-11	>999	240
BCLL	10.0	Rep Stress Incr	YES	WB	0.43	Vert(TL)	-0.46 9-11	>822	180
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Horz(TL)	0.10 6	n/a	n/a
								Weight: 159 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-1-14 oc bracing.

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

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

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T08A	HIP	1	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 Mitek Industries, Inc. Mon Dec 19 13:48:06 2005 Page 1

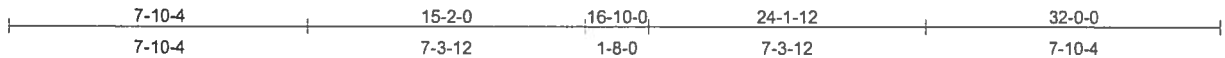
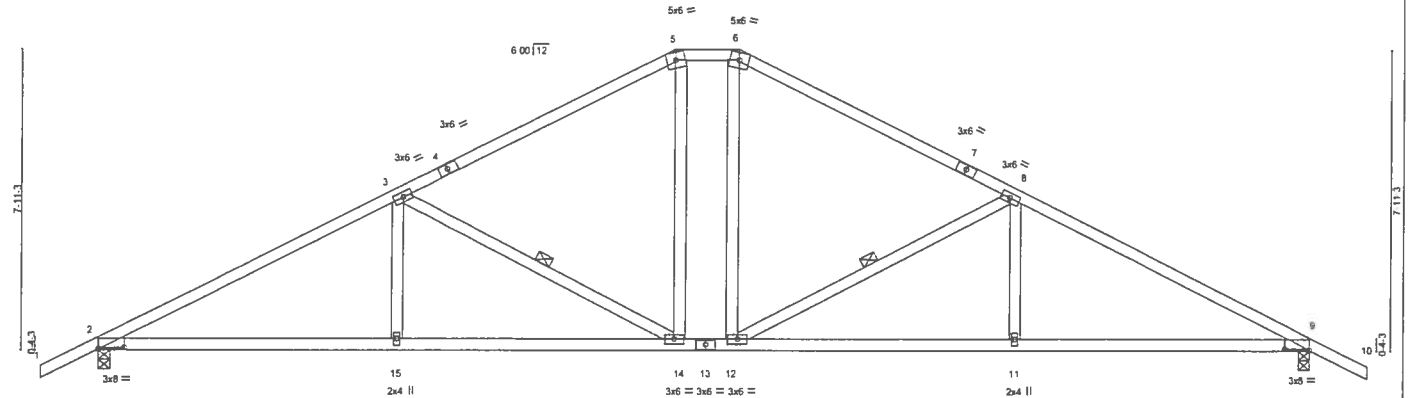
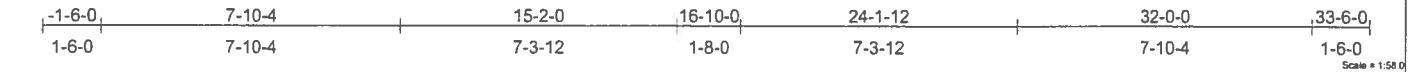


Plate Offsets (X,Y): [2-0-8-0-0-0-6], [9-0-8-0-0-0-6]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.48	Vert(LL)	-0.21 11-12	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.69	Vert(TL)	-0.33 11-12	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.28	Horz(TL)	0.11 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)					Weight 163 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-9 oc bracing.
WEBS 1 Row at midpt 3-14, 8-12

REACTIONS

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

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T09	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mittek Industries, Inc. Mon Dec 19 13:48:07 2005 Page 1		

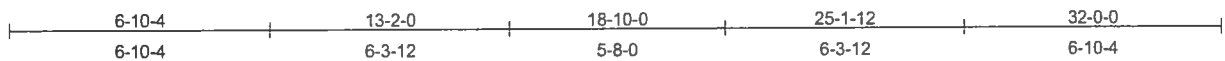
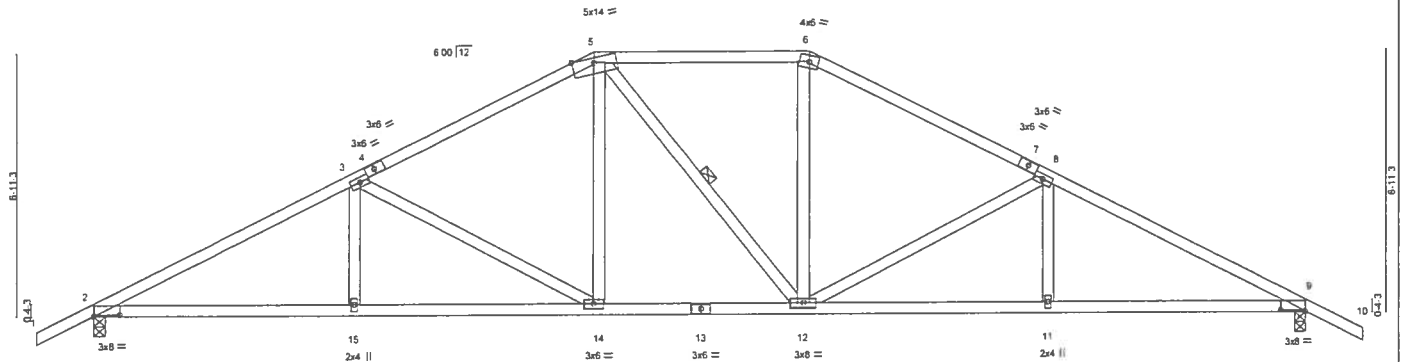
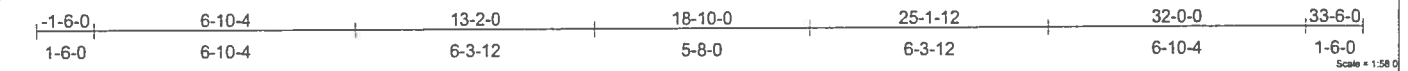


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [9:0-8-0,0-0-6]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.35	Vert(LL)	-0.16	14-15	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.59	Vert(TL)	-0.26	14-15	>999	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.58	Horz(TL)	0.10	9	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 166 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-8-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-3-6 oc bracing.
 WEBS 1 Row at midpt 5-12

REACTIONS

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

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO LOT 40 THREE RIVERS ESTATES
L143640	T10	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:08 2005 Page 1		

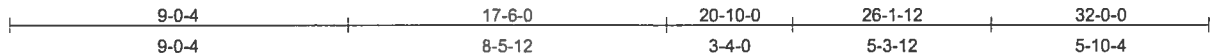
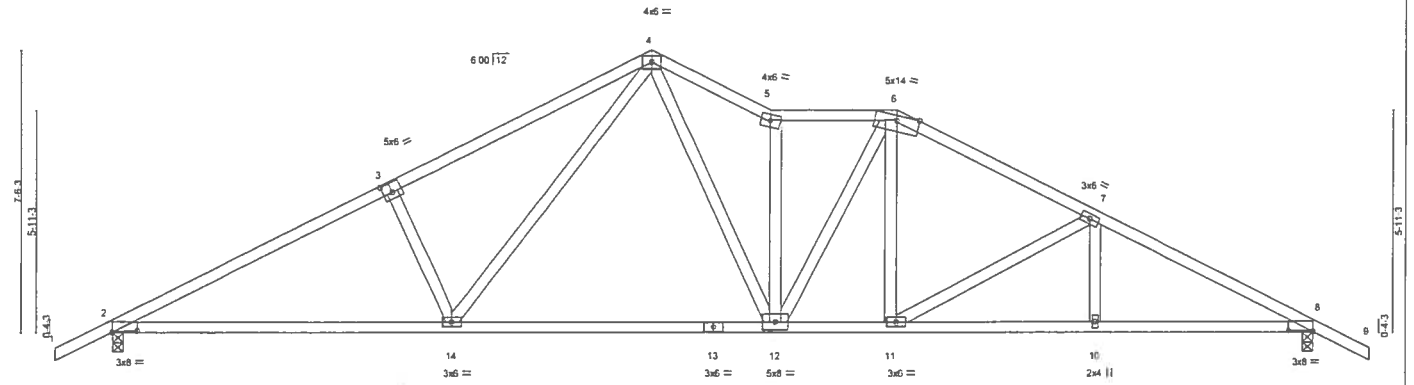
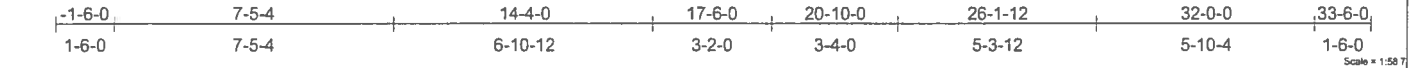


Plate Offsets (X,Y): [2-0-8-0-0-6], [3-0-3-0-0-3-0], [8-0-8-0-0-0-6]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.67	Vert(LL) -0.24 2-14 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.57	Vert(TL) -0.39 2-14 >977 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.10 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 173 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-6-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-2-11 oc bracing.

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

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

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T13	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:11 2005 Page 1		

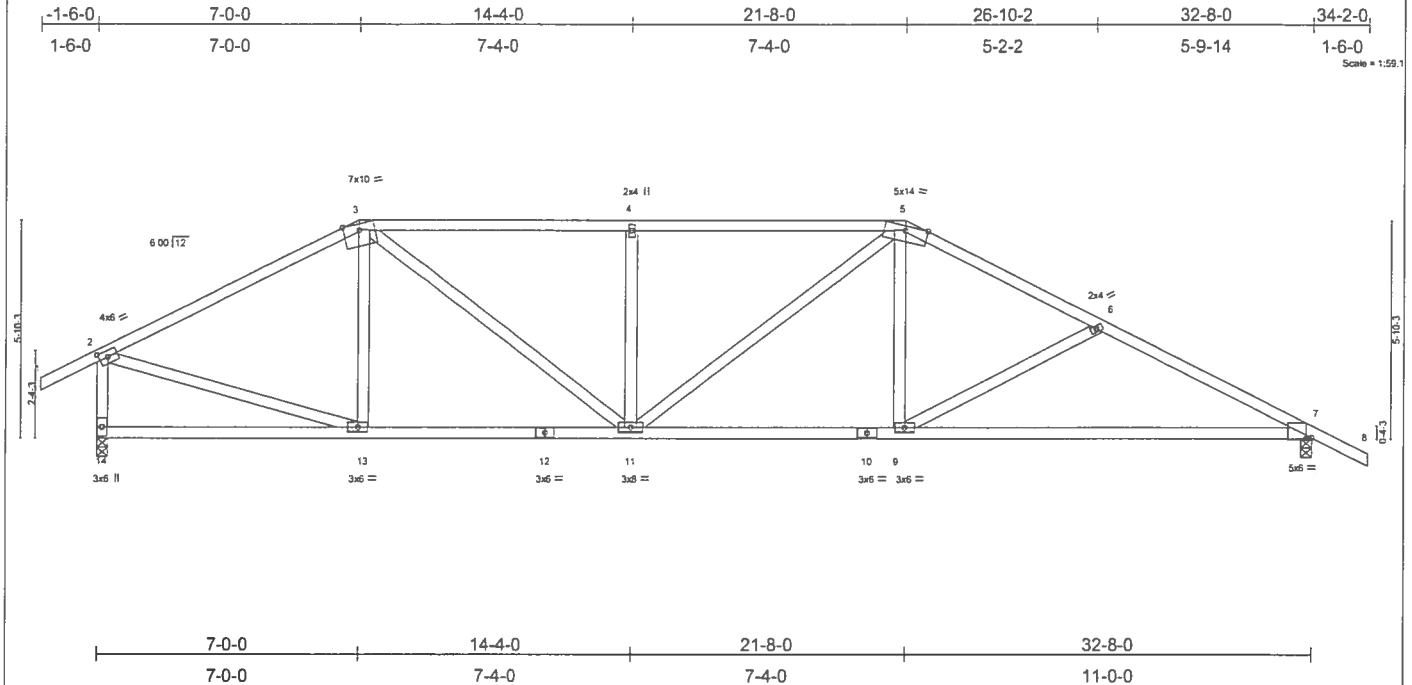


Plate Offsets (X,Y): [2:0-2:15:0-2:0], [7:0-1:11:Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.82	Vert(LL) -0.39 7-9 >998 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.45	Vert(TL) -0.66 7-9 >586 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 177 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-4-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-1-9 oc bracing.

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

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

NOTES

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

LOAD CASE(S) Standard

Job L143640	Truss T14	Truss Type HIP	Qty 1	Ply 1	HUGO-LOT 40 THREE RIVERS ESTATES
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:12 2005 Page 1

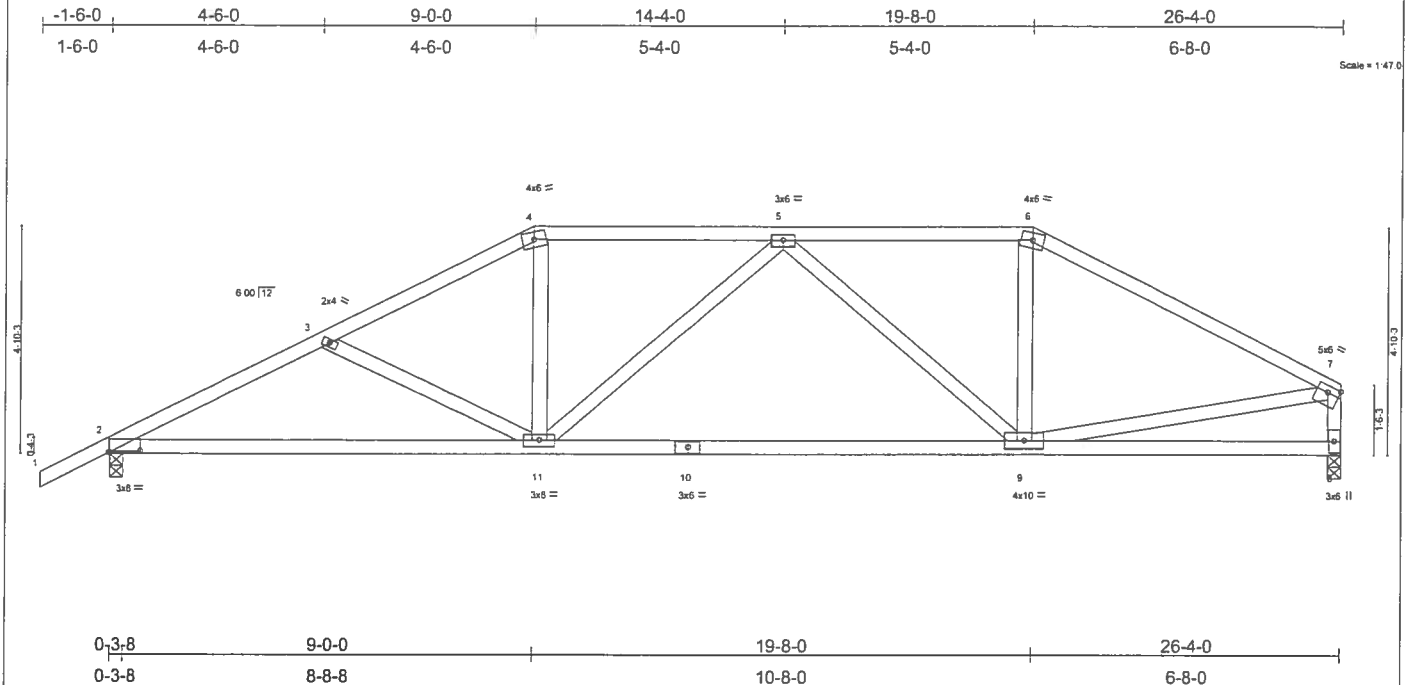


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [7:Edge,0-1-12]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/def L/d
TCLL 20.0	Plates Increase	1.25	TC 0.66	Vert(LL)	-0.26 9-11 >999 240
TCDL 7.0	Lumber Increase	1.25	BC 0.65	Vert(TL)	-0.44 9-11 >709 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.37	Horz(TL)	0.05 8 n/a n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		
					Weight: 135 lb

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

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

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

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T16	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055					
6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:14 2005 Page 1					

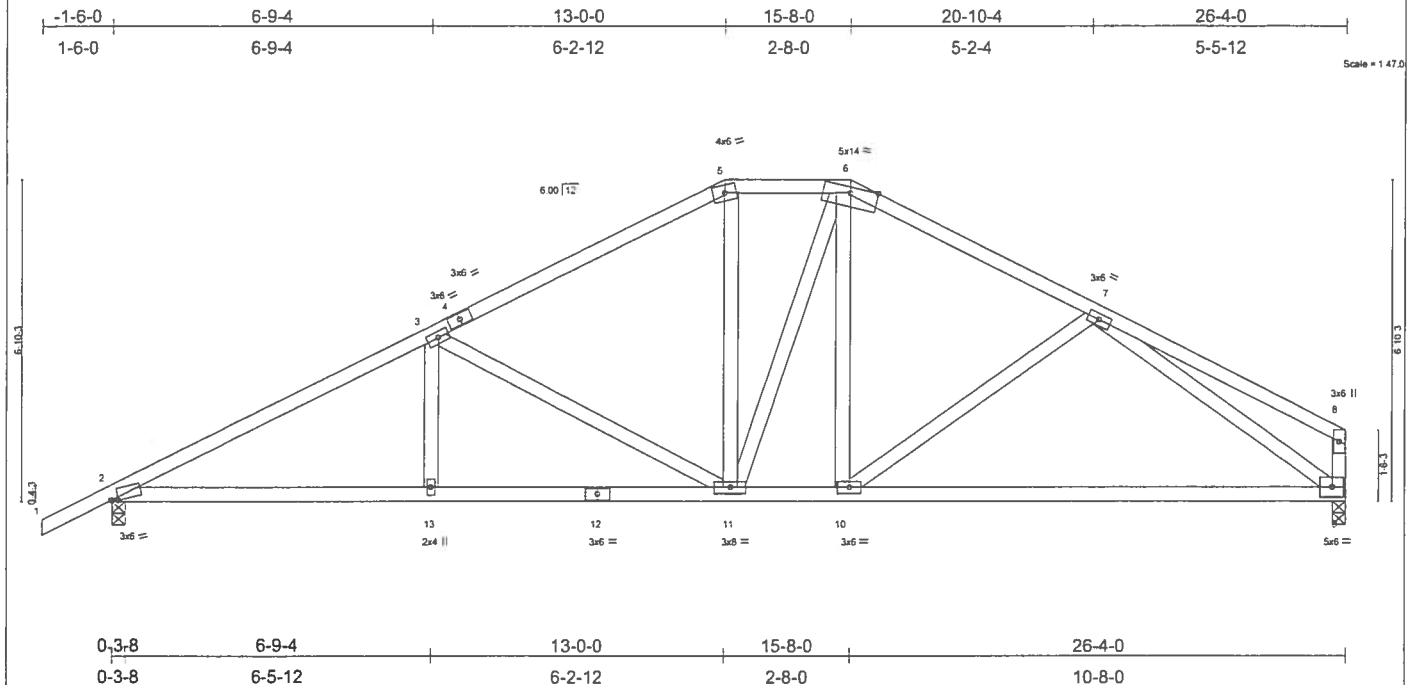


Plate Offsets (X,Y) [2-0-1-13-0-0-7]										
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) I/def L/d		PLATES GRIP		
TCLL	20.0	Plates Increase 1.25		TC 0.98		Vert(LL) -0.23 9-10 >999 240		MT20		244/190
TCDL	7.0	Lumber Increase 1.25		BC 0.60		Vert(TL) -0.39 9-10 >793 180				
BCLL	10.0	Rep Stress Incr YES		WB 0.76		Horz(TL) 0.06 9 n/a n/a				
BCDL	5.0	Code FBC2004/TP12002		(Matrix)				Weight: 149 lb		

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-6 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 7-7-1 oc bracing.
WEBS 2 X 4 SYP No.3	

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

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

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T17	COMMON	3	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:14 2005 Page 1		

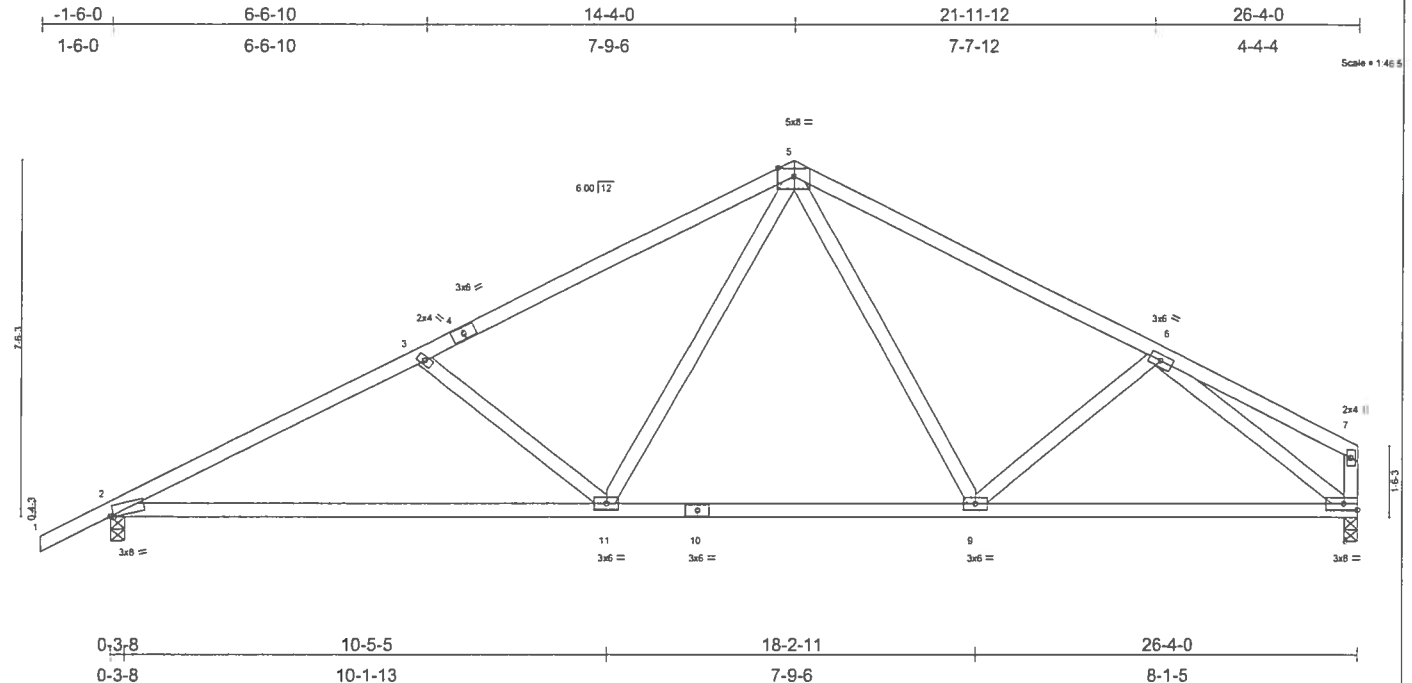


Plate Offsets (X,Y): [2:0-0-10,Edge]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.56	Vert(LL)	-0.29	2-11	>999	240	MT20
TCCL 7.0	Lumber Increase	1.25	BC 0.64	Vert(TL)	-0.50	2-11	>622	180	GRIP
BCCL 10.0	Rep Stress Incr	YES	WB 0.63	Horz(TL)	0.06	8	n/a	n/a	244/190
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 133 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end
BOT CHORD 2 X 4 SYP No.2	verticals.
WEBS 2 X 4 SYP No.3 "Except"	BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.
W5 2 X 4 SYP No.2	

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

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCCL=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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 456 lb uplift at joint 2 and 345 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L143640	Truss T19	Truss Type HIP	Qty 1	Ply 1	HUGO-LOT 40 THREE RIVERS ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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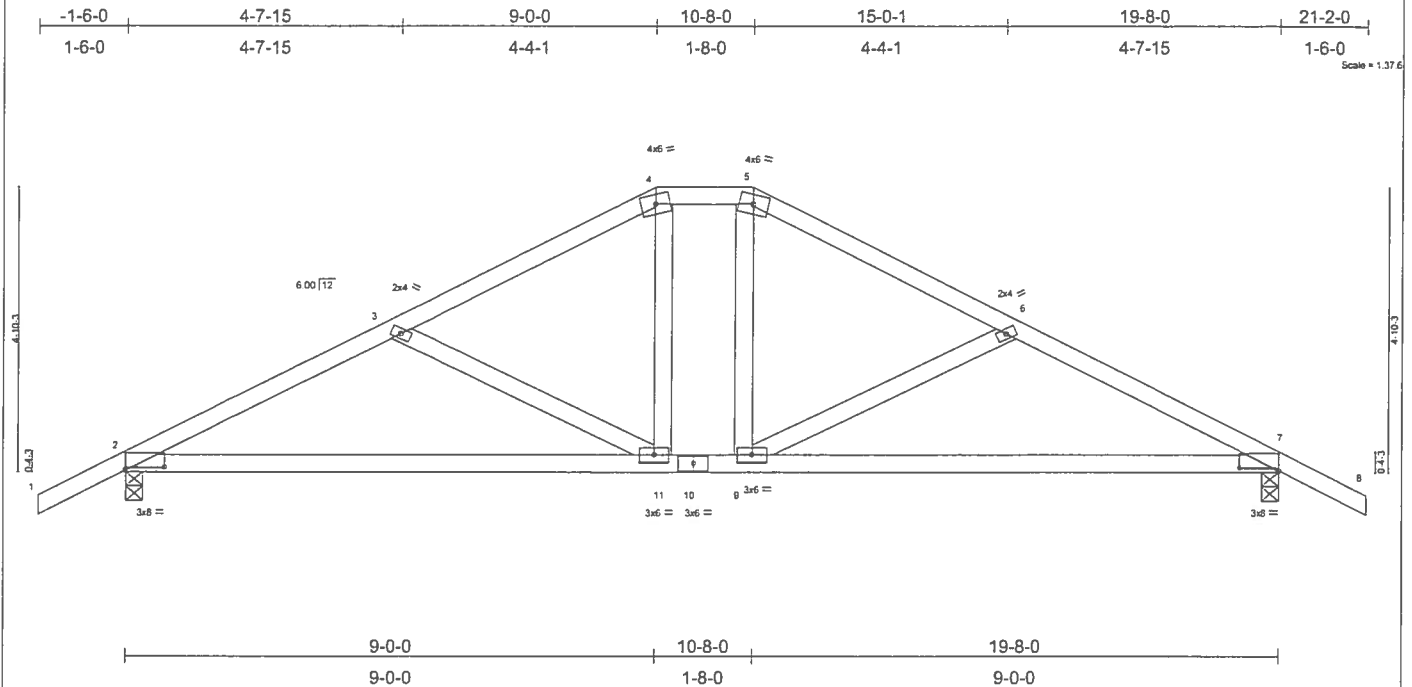


Plate Offsets (X,Y): [2:0-8-0,0-0-10], [7:0-8-0,0-0-10]

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

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=903/0-3-8, 7=903/0-3-8

Max Horz 2=-92(load case 6)

Max Uplift 2=-355(load case 5), 7=-355(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T20	COMMON	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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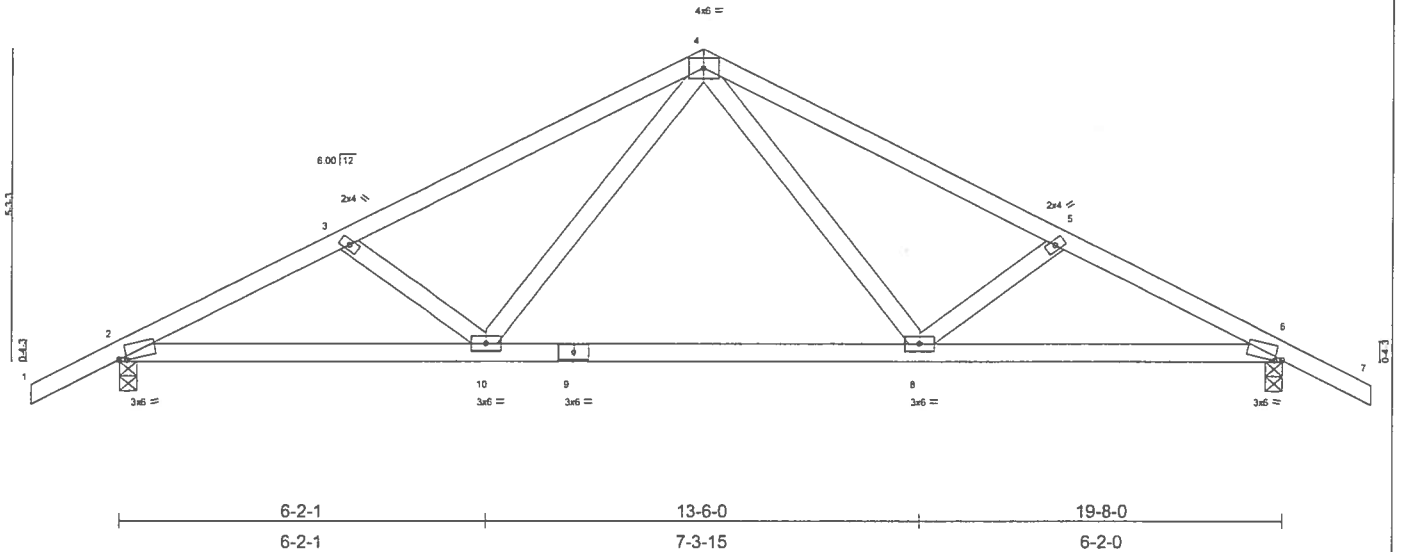


Plate Offsets (X,Y): [2:0-1-8,0-0-7], [6:0-1-8,0-0-7]

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

LUMBER

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

BRACING

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

REACTIONS

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

FORCES (lb) - Maximum Compression/Maximum Tension

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

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCCL=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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 448 lb uplift at joint 2 and 448 lb uplift at joint 6.
- 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

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

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T22G	COMMON	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:18 2005 Page 1		

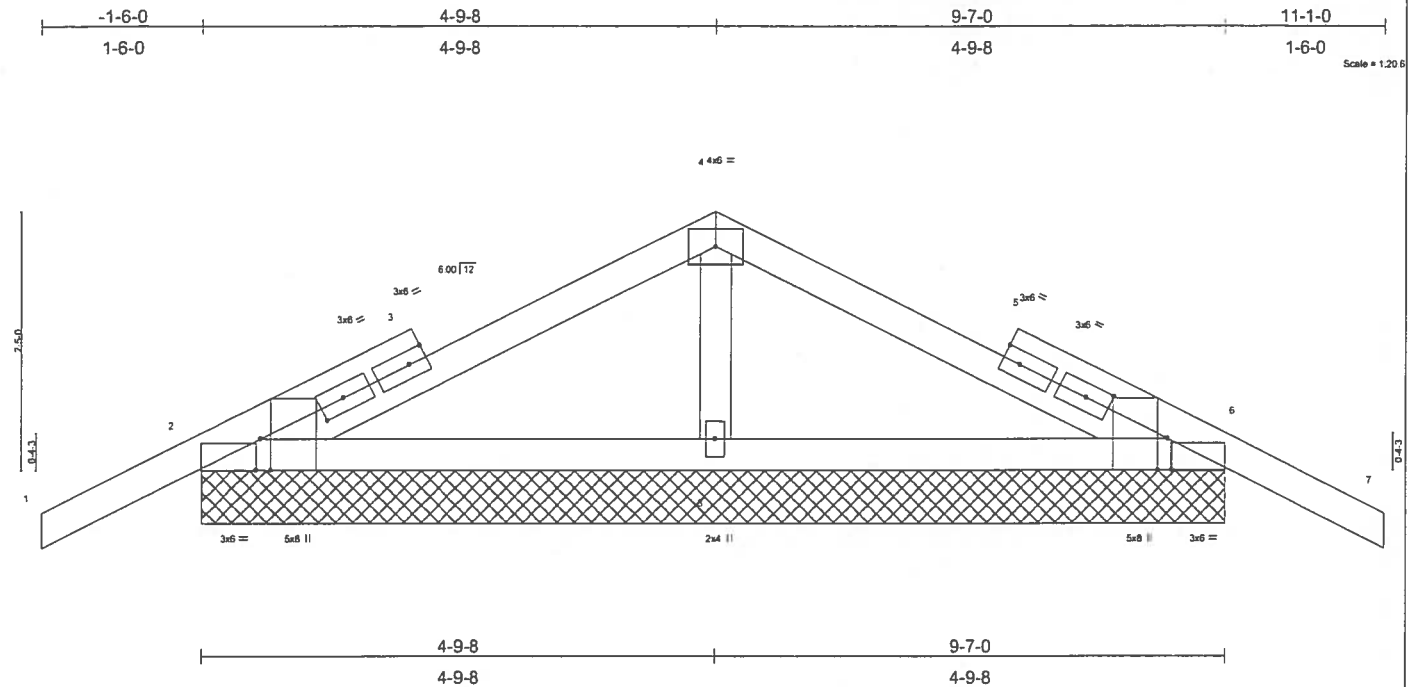


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [3:0-2-12,0-1-8], [5:0-2-12,0-1-8], [6:0-3-8,Edge], [6:0-0-8,Edge]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/def	L/d	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.23	Vert(LL)	0.01	7	n/r	120	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.27	Vert(TL)	0.02	7	n/r	90	GRIP
BCLL 10.0	Rep Stress Incr	NO	WB 0.00	Horz(TL)	0.01	6	n/a	n/a	244/190
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 43 lb

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

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

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

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

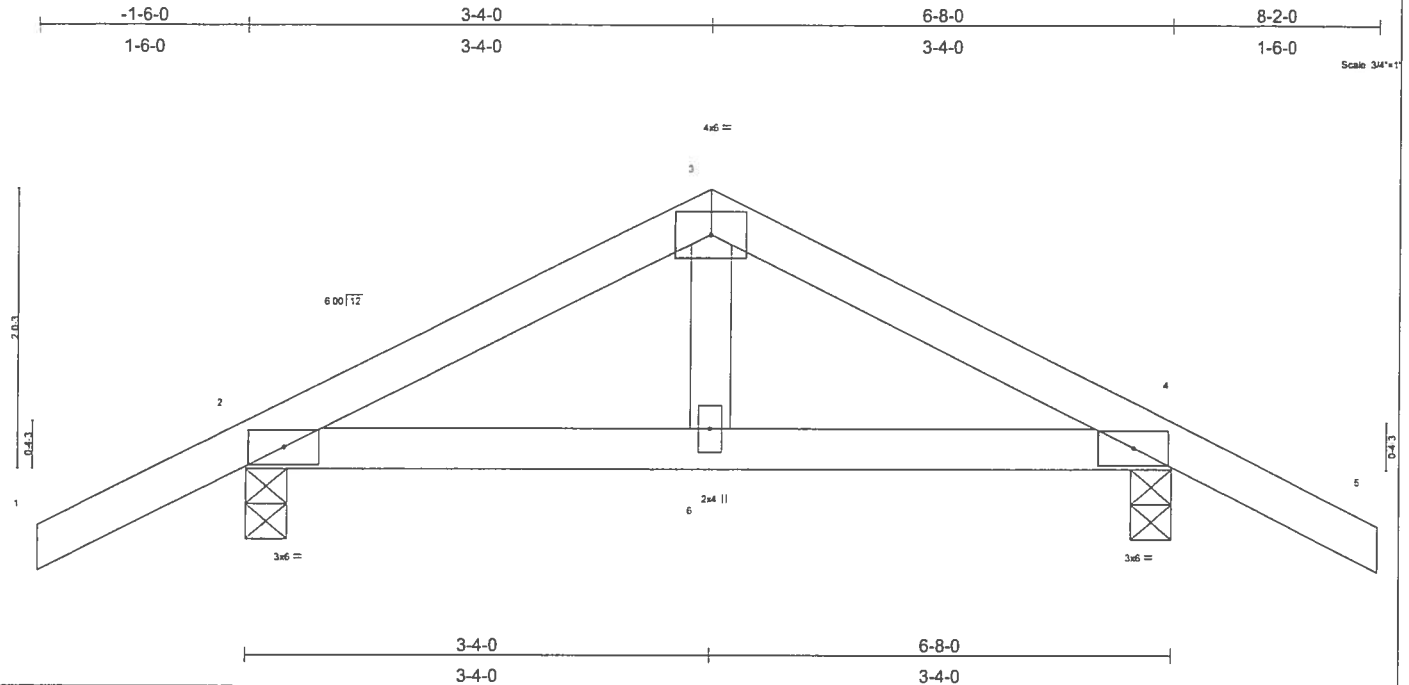
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=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.
- 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"
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 257 lb uplift at joint 2 and 258 lb uplift at joint 6.
- 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

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

Job	Truss	Truss Type	Qty	Ply	HUGO LOT 40 THREE RIVERS ESTATES
L143640	T23	COMMON	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13 48:18 2005 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.17	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Vert(LL) -0.00 4-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.04	Vert(TL) -0.01 4-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 4 n/a n/a		
	Code FBC2004/TP12002			Weight: 28 lb	

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

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

REACTIONS (lb/size) 2=357/0-3-8, 4=357/0-3-8
 Max Horz 2=52(load case 5)
 Max Uplift 2=189(load case 5), 4=189(load case 6)

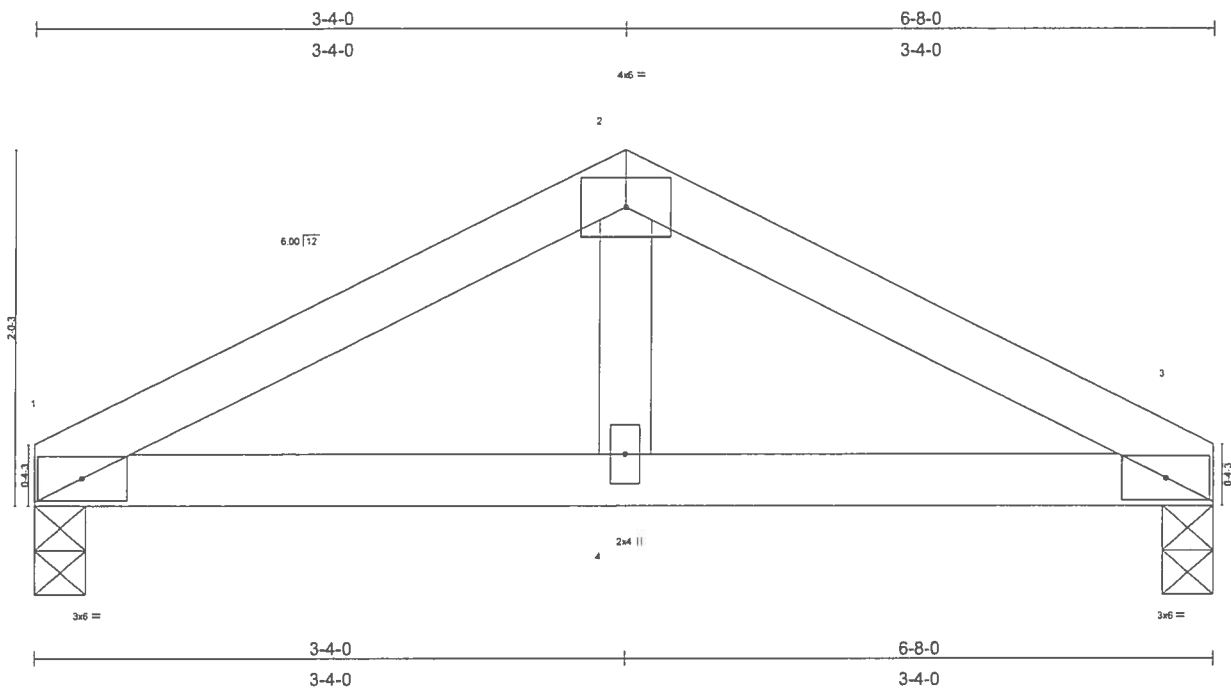
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/35, 2-3=-307/113, 3-4=-307/113, 4-5=0/35
 BOT CHORD 2-6=0/225, 4-6=0/225
 WEBS 3-6=0/116

NOTES

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

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T23A	COMMON	1	1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Mon Dec 19 13:48:19 2005 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.15	Vert(LL)	-0.02	3-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.41	Vert(TL)	-0.03	3-4	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.16	Horz(TL)	0.01	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 24 lb	

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

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

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

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

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 1 and 206 lb uplift at joint 3.
- 4) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 6-8-0
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54, 2-3=-54, 1-3=-129(F=-99)

Job	Truss	Truss Type	Qty	Ply	HUGO-LOT 40 THREE RIVERS ESTATES
L143640	T23G	COMMON	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Dec 19 13:48:20 2005 Page 1		

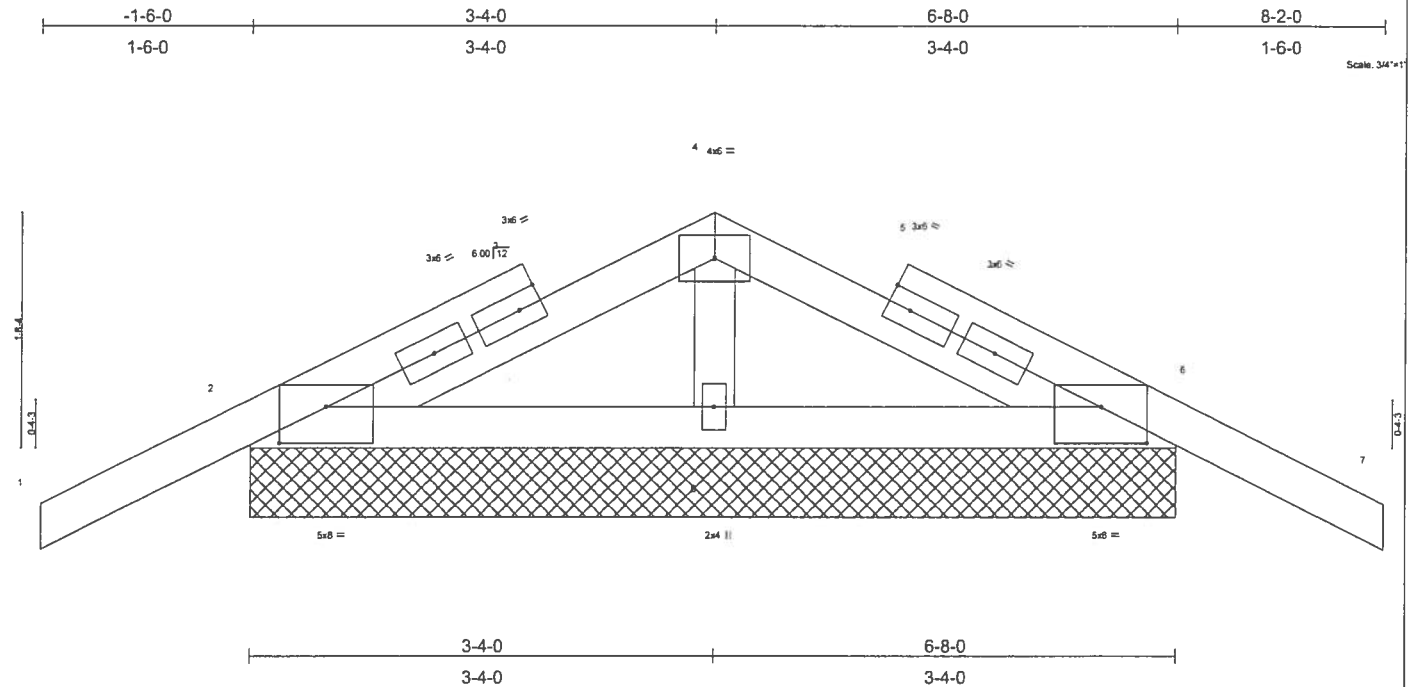


Plate Offsets (X,Y): [2-0-4-0,0-3-1], [6-0-4-0,0-3-1]												
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		in (loc) I/defl L/d		PLATES	GRIP	
TCLL	20.0	Plates Increase 1.25		TC	0.21	Vert(LL)	-0.01	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase 1.25		BC	0.09	Vert(TL)	-0.01	7	n/r	90		
BCLL	10.0	Rep Stress Incr NO		WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-8-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

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

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

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

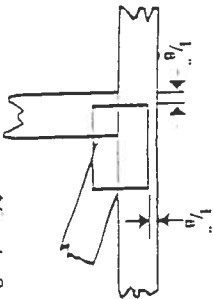
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-87(F=-33), 4-7=-87(F=-33), 2-6=-30

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



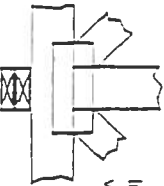
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



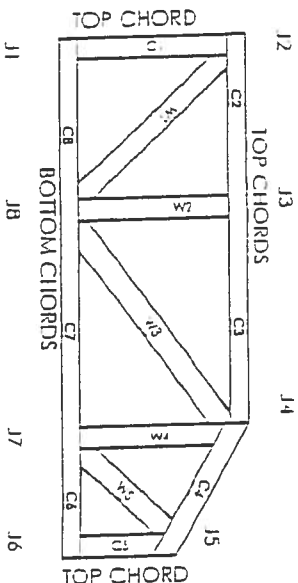
Indicates location of required continuous lateral bracing.

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/DILLIR	960022 W, 970036, 11
IIR	561



Mittel Engineering Reference Sheet: MIT 7473

General Safety Notes

Failure to Follow Could Cause Properly Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, properly 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 1/4 panel length (± 8" 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 lusses are the responsibility of others unless shown.
13. Do not overload roof or floor lusses with stocks 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 lusses.

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