

Project Information for: L129810
 Builder: Don Reed Const. Date: 9/1/2005
 Lot: Lot 113 Start Number: 030
 Subdivision: Emerald Lakes
 County or City: Columbia County
 Truss Page Count: 47

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2
Gravity **Wind** **Building Code:** FBC2001
 Roof (psf): 42 Wind Standard: ASCE 7-98
 Floor (psf): 55 Wind Speed (mph): 120

Note: See individual truss drawings for special loading conditions

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

REED, LARRY DON CGC 036224
 Address: 2230 E BAYA AVE. STE 101 Designer: 79
 LAKE CITY, FL. 32025

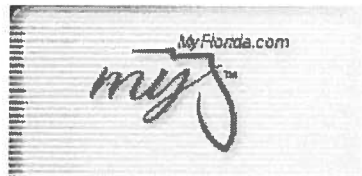
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
 Company: Structural Engineering and Inspections, Inc. EB 9196
 Address: 16105 N. Florida Ave, Ste B, Lutz, FL 33549

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 1-1995 Section 2.2
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	090105030	9/1/2005	41	T21	090105070	9/1/2005
2	CJ1A	090105031	9/1/2005	42	T22	090105071	9/1/2005
3	CJ3	090105032	9/1/2005	43	T23	090105072	9/1/2005
4	CJ5	090105033	9/1/2005	44	T24	090105073	9/1/2005
5	EJ4	090105034	9/1/2005	45	T25	090105074	9/1/2005
6	EJ5	090105035	9/1/2005	46	T26	090105075	9/1/2005
7	EJ7	090105036	9/1/2005	47	T27	090105076	9/1/2005
8	EJ7A	090105037	9/1/2005				
9	EJ7B	090105038	9/1/2005				
10	HGBL01	090105039	9/1/2005				
11	HGBL02	090105040	9/1/2005				
12	HGBL03	090105041	9/1/2005				
13	HGBL04	090105042	9/1/2005				
14	HGBL05	090105043	9/1/2005				
15	HGBL03	090105044	9/1/2005				
16	HGBL06	090105045	9/1/2005				
17	HJ4	090105046	9/1/2005				
18	HJ5	090105047	9/1/2005				
19	HJ7	090105048	9/1/2005				
20	T01	090105049	9/1/2005				
21	T02	090105050	9/1/2005				
22	T03	090105051	9/1/2005				
23	T04	090105052	9/1/2005				
24	T05	090105053	9/1/2005				
25	T05	090105054	9/1/2005				
26	T06	090105055	9/1/2005				
27	T07	090105056	9/1/2005				
28	T08	090105057	9/1/2005				
29	T09	090105058	9/1/2005				
30	T10	090105059	9/1/2005				
31	T11	090105060	9/1/2005				
32	T12	090105061	9/1/2005				
33	T13	090105062	9/1/2005				
34	T14	090105063	9/1/2005				
35	T15	090105064	9/1/2005				
36	T16	090105065	9/1/2005				
37	T17	090105066	9/1/2005				
38	T18	090105067	9/1/2005				
39	T19	090105068	9/1/2005				
40	T20	090105069	9/1/2005				

SEP 01 2005

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4:15:31 PM

Licensee Details**Licensee Information**

Name: **REED, LARRY DON (Primary Name)**
DON REED CONSTRUCTION INC (DBA Name)
Main Address: **2230 E BAYA AVE STE 101**
LAKE CITY Florida 32025
County: **COLUMBIA**

License Mailing:

LicenseLocation: **2230 E BAYA AVE STE 101**
LAKE CITY FL 32025
County: **COLUMBIA**

License Information

License Type: **Certified General Contractor**
Rank: **Cert General**
License Number: **CGC036224**
Status: **Current,Active**
Licensure Date: **03/08/1986**
Expires: **08/31/2006**

Special Qualifications
Bldg Code Core Course Credit
Qualified Business License Required
Qualification Effective 08/13/2004

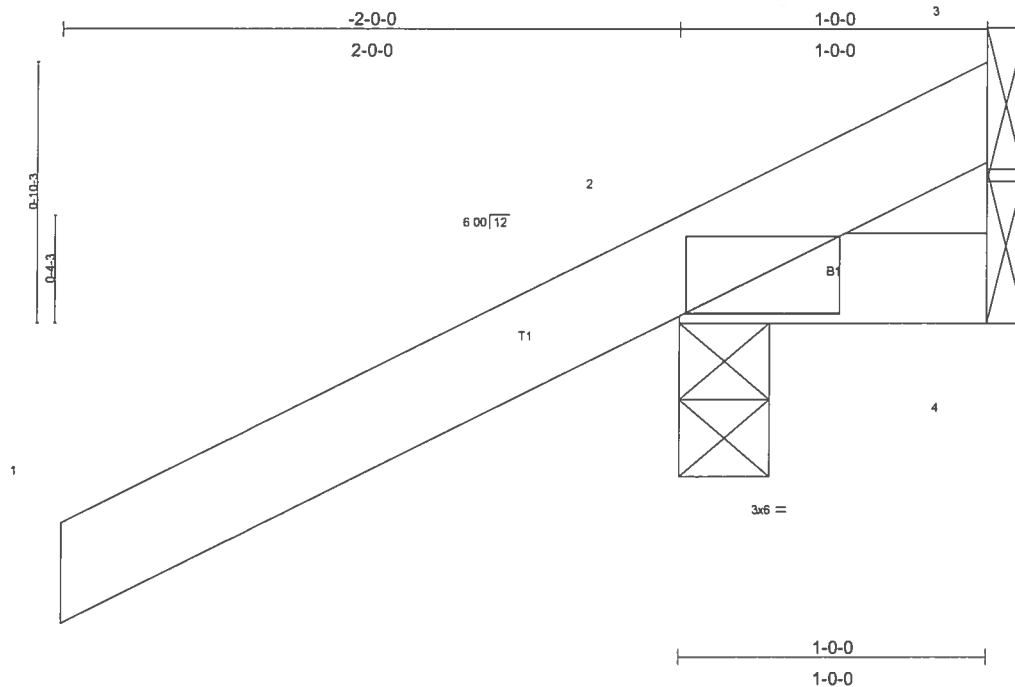
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Job#	Truss	Truss Type	Qty	Ply	Dwg.#090105030
L129810	CJ1	MONO TRUSS	16	1	

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1/2

Plate Offsets (X,Y): 2'-0"-0'-0'-0'-0'

LOADING (psf)	SPACING	2'-0"	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	-0.00	2	>999	240	
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: 7 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=103(load case 5)
Max Uplift 2=348(load case 5), 4=-11(load case 3), 3=-90(load case 1)
Max Grav 2=266(load case 1), 4=14(load case 1), 3=154(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-69/86
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.18

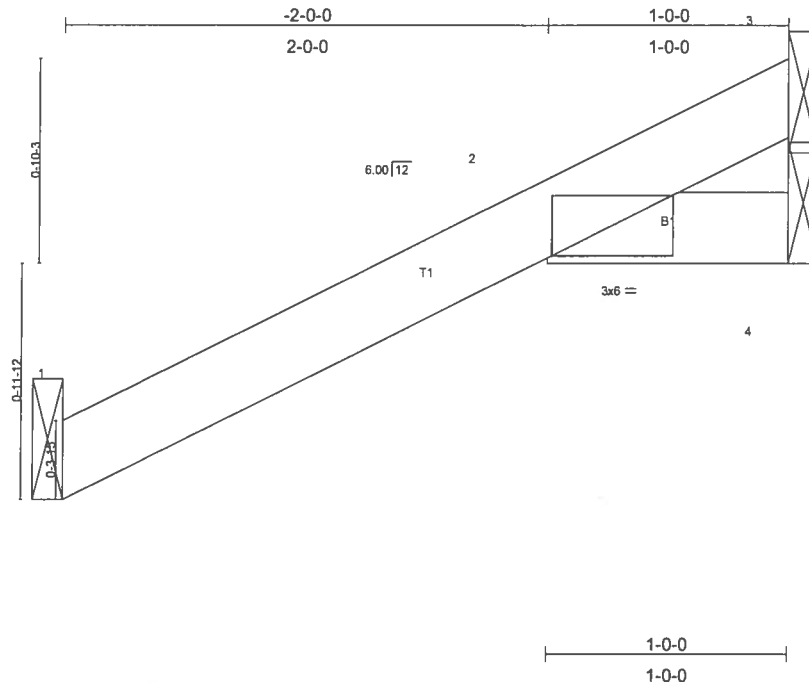
NOTES

- 1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 2, 11 lb uplift at joint 4 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L129810	Truss CJ1A	Truss Type MONO TRUSS	Qty 4	Ply 1	Dwg.#090105031
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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Scale = 1/8" = 1'-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 0.15	Vert(LL)	0.02	1-2	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.01	Vert(TL)	0.02	1-2	>999	180		
BCCL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.01	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TP/2002		(Matrix)							
									Weight: 7 lb	

LUMBER

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

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) 1=98/Mechanical, 4=15/Mechanical, 3=96/Mechanical
Max Horz 1=80(load case 5)
Max Uplift 1=-38(load case 5), 3=-82(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-93/7, 2-3=-82/43
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.01

NOTES

- 1) Wind: ASCE 7-98; 120mph (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 mechanical connection (by others) of truss to bearing plate capable of withstanding 38 lb uplift at joint 1 and 82 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L129810	Truss CJ3	Truss Type MONO TRUSS	Qty 16	Ply 1	Dwg.#090105032
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:01 2005 Page 1		

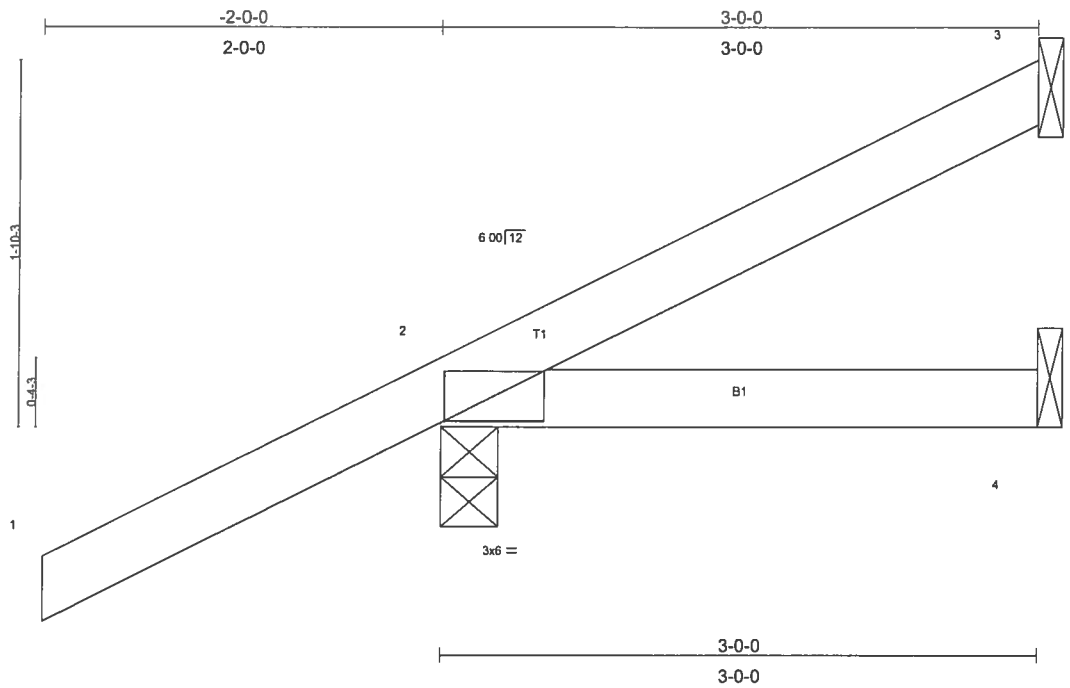


Plate Offsets (X,Y): [2-0-0,0-0-0-0]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	0.01 2-4	>999	240
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	0.01 2-4	>999	180
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00 3	n/a	n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)				
				Weight: 13 lb			

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=157(load case 5)
Max Uplift 3=30(load case 4), 2=-292(load case 5), 4=33(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.17

NOTES
1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 3, 292 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard



Weight: 19 lb

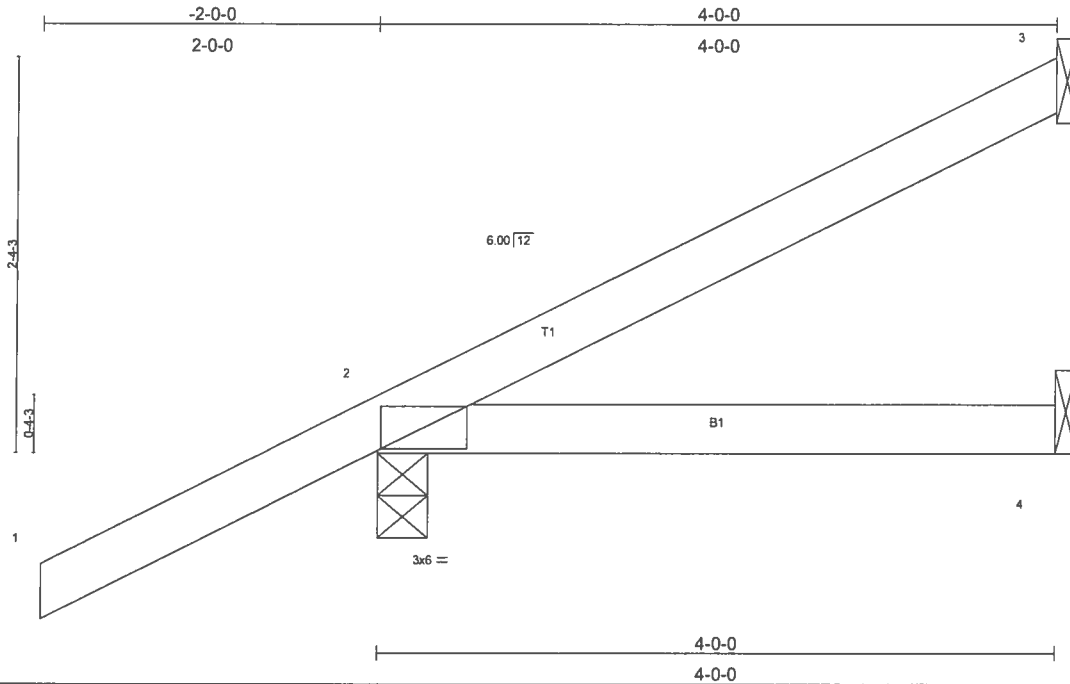
TOP CHORD	Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

LOAD CASE(S) Standard

Jcb	Truss	Truss Type	Qty	Ply	Dwg.#090105034
L129810	EJ4	MONO TRUSS	2	1	

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 0.31	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	-0.02	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 16 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=70/Mechanical, 2=308/0-3-8, 4=57/Mechanical
Max Horz 2=184(load case 5)
Max Uplift 3=-66(load case 5), 2=-245(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-91/23
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

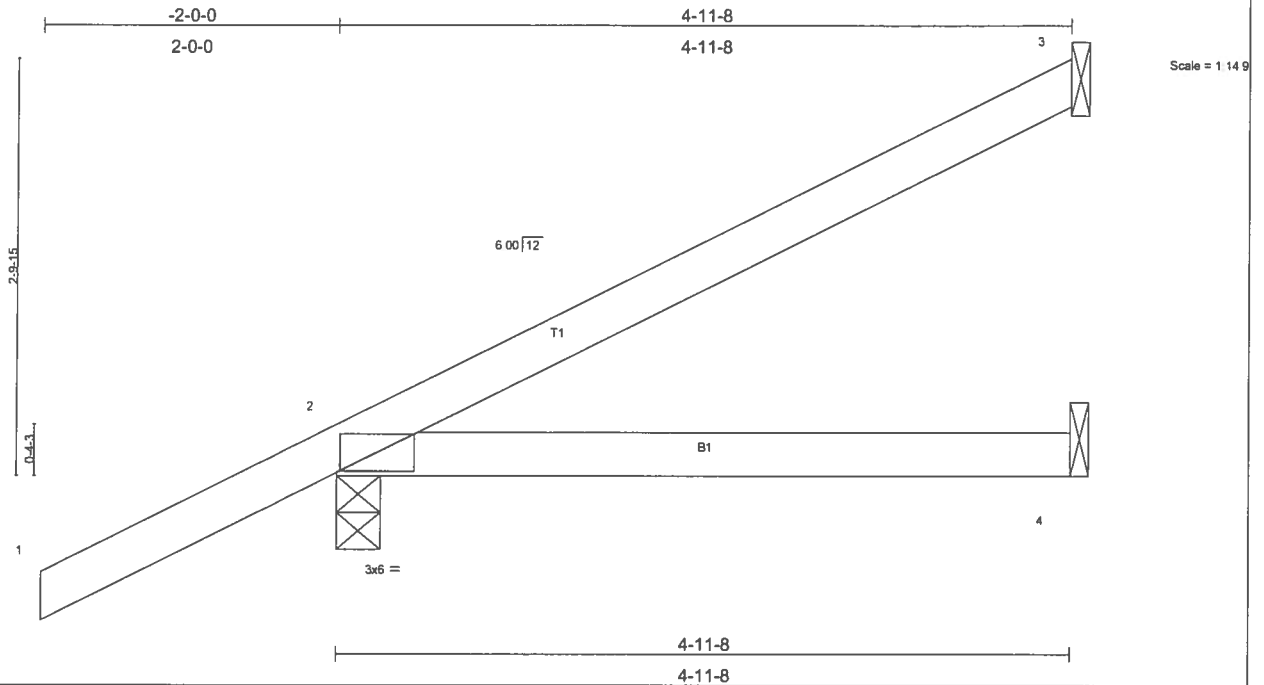
2 = 0.18

NOTES

- 1) Wind: ASCE 7-98; 120mph (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 mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3 and 245 lb uplift at joint 2.

LOAD CASE(S) Standard

Jdb L129810	Truss EJ5	Truss Type MONO TRUSS	Qty 2	Ply 1	Dwg.#090105035
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6 200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:03 2005 Page 1		



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.31	Vert(LL) 0.09 2-4 >607 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.25	Vert(TL) 0.08 2-4 >691 180		
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 2D
BOT CHORD 2 X 4 SYP No 2D

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 3=102/Mechanical, 2=342/0-3-8, 4=71/Mechanical
Max Horz 2=210(load case 5)
Max Uplift 3=-105(load case 5), 2=-319(load case 5), 4=-57(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-126/35
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.20

NOTES

- 1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 3, 319 lb uplift at joint 2 and 57 lb uplift at joint 4.

LOAD CASE(S) Standard

Job#	Truss	Truss Type	Qty	Ply	Dwg.#090105036
L129810	EJ7	MONO TRUSS	30	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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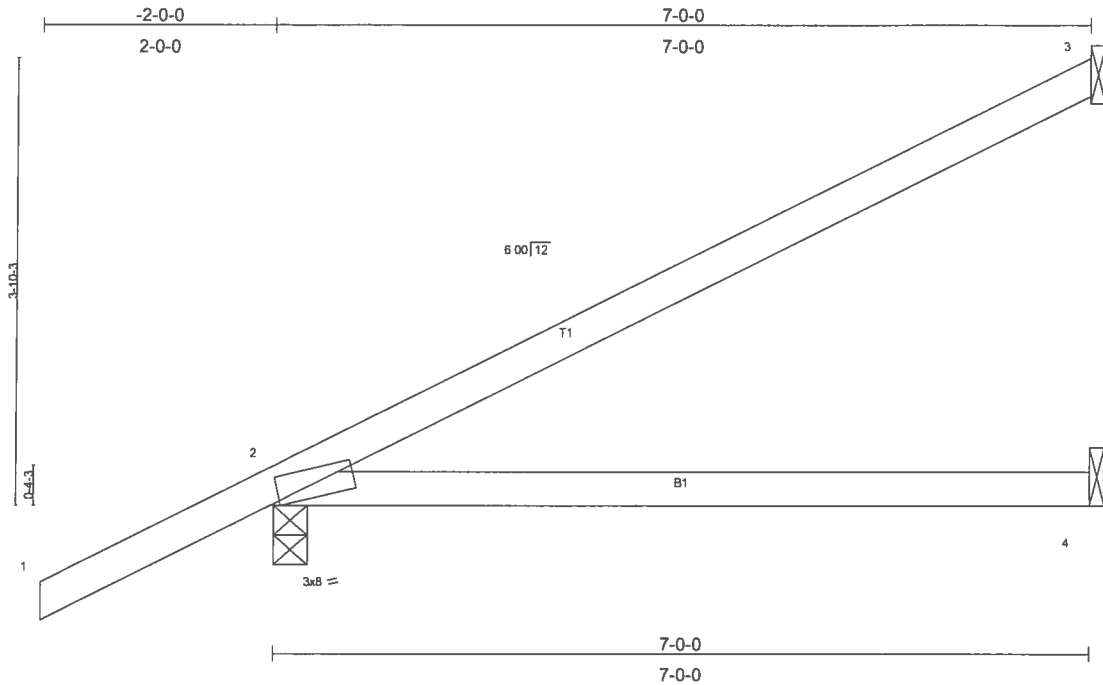


Plate Offsets (X,Y): [2'-0"-10',Edge]

LOADING (psf)	SPACING	2'-0"	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.59	Vert(LL)	0.12	2-4	>659	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.30	Vert(TL)	-0.19	2-4	>422	180	244/190
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: 26 lb

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=266(load case 5)
Max Uplift 3=-164(load case 5), 2=-263(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-166/58
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.87

NOTES

- 1) Wind: ASCE 7-98, 120mph (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 mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 3 and 263 lb uplift at joint 2.

LOAD CASE(S) Standard

Job# L129810	Truss EJ7A	Truss Type MONO HIP	Qty 1	Ply 1	Dwg.#090105037
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc Wed Aug 31 11:21:04 2005 Page 1		

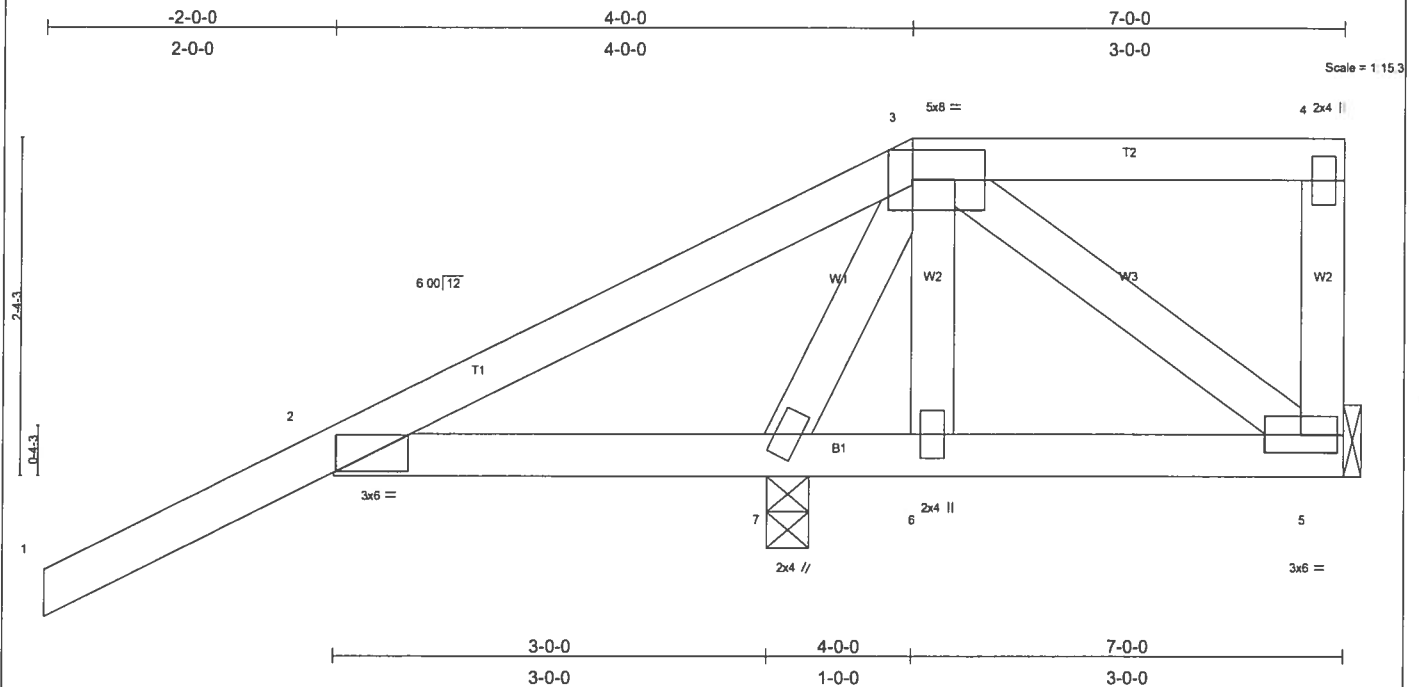


Plate Offsets (X,Y): [3-0-6-0-0-2-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.28	Vert(LL)	-0.00	5-6	>999	240	MT20	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.15	Vert(TL)	-0.00	5-6	>999	180		
BCCL 10.0	Rep Stress Incr	YES	WB 0.21	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 38 lb										

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

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

REACTIONS (lb/size) 5=63/Mechanical, 7=746/0-3-8
Max Horz 7=187(load case 5)
Max Uplift 5=63(load case 1), 7=489(load case 5)
Max Grav 5=143(load case 5), 7=746(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-783/614, 3-4=-12/10, 4-5=-57/66
BOT CHORD 2-7=-505/888, 6-7=-217/250, 5-6=-216/254
WEBS 3-6=0/51, 3-5=-314/280, 3-7=-698/854

JOINT STRESS INDEX
2 = 0.27, 3 = 0.52, 4 = 0.20, 5 = 0.17, 6 = 0.03 and 7 = 0.46

NOTES
1) Wind: ASCE 7-98; 120mph (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) This truss is not designed to support a ceiling and is not intended for use where aesthetics are a consideration.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 5 and 489 lb uplift at joint 7.

LOAD CASE(S) Standard

Job#	Truss	Truss Type	Qty	Ply	Dwg.#090105038
L129810	EJ7B	MONO HIP	1	1	

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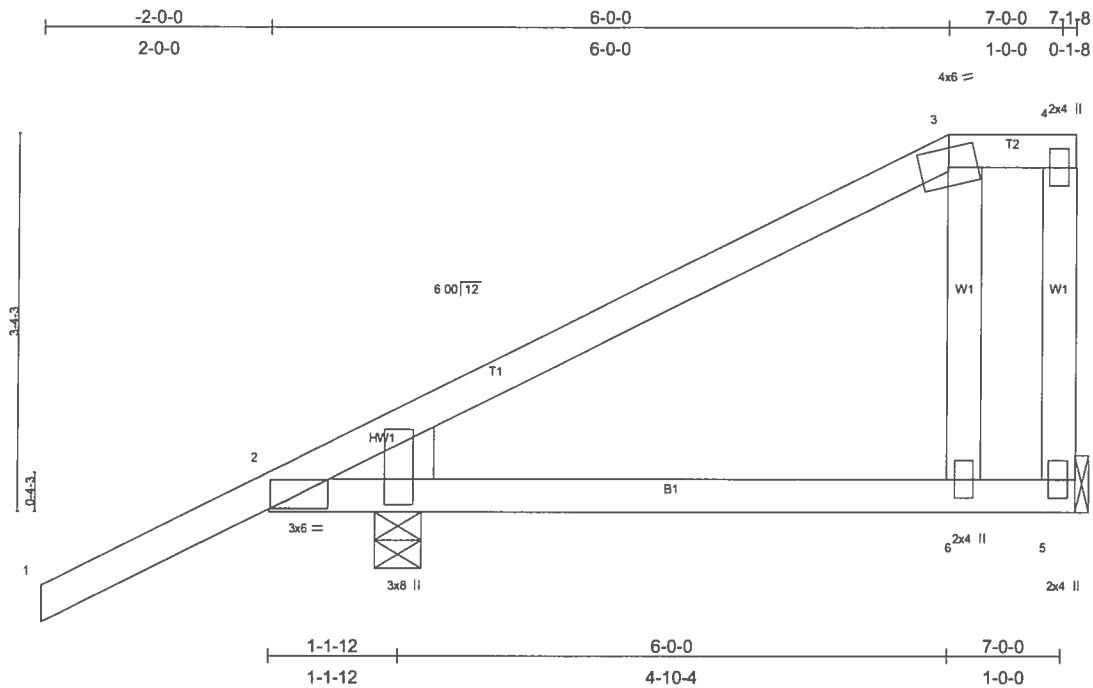


Plate Offsets (X,Y): [2.0-0.4, Edge], [2.0-0.8, 1-0-5]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	0.20	2-6	>415	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.71	Vert(TL)	-0.22	2-6	>377	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.10	Horz(TL)	-0.00	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 36 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
WEDGE
Left: 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 6-0-0 oc bracing.

REACTIONS (lb/size) 5=265/Mechanical, 2=423/0-4-15
Max Horiz 2=241(load case 5)
Max Uplift 5=-123(load case 5), 2=-279(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-134/41, 3-4=-0/1
BOT CHORD 2-6=-18/6, 5-6=0/0
WEBS 3-6=-119/381, 4-5=-90/7

JOINT STRESS INDEX
2 = 0.36, 2 = 0.18, 3 = 0.38, 4 = 0.03, 5 = 0.03 and 6 = 0.22

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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 adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 5 and 279 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L129810	Truss HGBL01	Truss Type GABLE	Qty 1	Ply 1	Dwg.#090105039
Builders FirstSource, Lake City, FL 32055			6 200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:06 2005 Page 1		

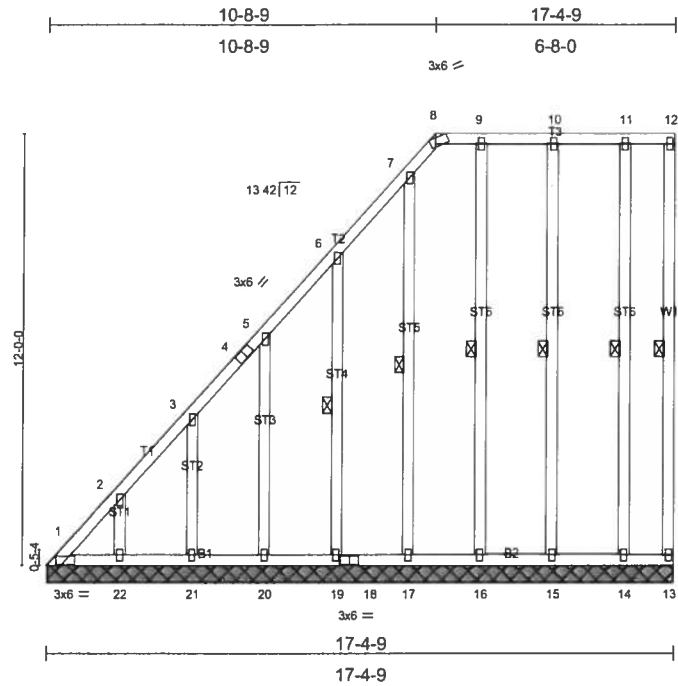


Plate Offsets (X,Y): (8:0-1-9,Edge)

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.04	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	NO	WB 0.08	Horz(TL)	-0.00	13	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 173 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 12-13, 6-19, 7-17, 9-16, 10-15, 11-14
OTHERS 2 X 4 SYP No.3	

REACTIONS (lb/size) 13=40/17-4-9, 1=52/17-4-9, 22=169/17-4-9, 21=168/17-4-9, 20=168/17-4-9, 19=169/17-4-9, 17=167/17-4-9, 16=168/17-4-9, 15=174/17-4-9, 14=142/17-4-9
Max Horz 1=643(load case 5)
Max Uplift 13=26(load case 3), 1=67(load case 3), 22=249(load case 5), 21=218(load case 5), 20=217(load case 5), 19=226(load case 5), 17=182(load case 5), 16=93(load case 3), 15=108(load case 3), 14=82(load case 3)
Max Grav 13=40(load case 1), 1=675(load case 5), 22=169(load case 1), 21=168(load case 1), 20=168(load case 1), 19=169(load case 1), 17=167(load case 1), 16=168(load case 1), 15=176(load case 8), 14=142(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-915/109, 2-3=-724/88, 3-4=-537/60, 4-5=-525/66, 5-6=-354/46, 6-7=-164/39, 7-8=-42/16, 12-13=-27/27, 8-9=-0/1, 9-10=-0/1, 10-11=-0/1, 11-12=-0/1
BOT CHORD 1-22=-1/0, 21-22=-1/0, 20-21=-1/0, 19-20=-1/0, 18-19=-1/0, 17-18=-1/0, 16-17=-1/0, 15-16=-1/0, 14-15=-1/0, 13-14=-1/0
WEBS 2-22=-105/240, 3-21=-109/235, 5-20=-108/228, 6-19=-109/238, 7-17=-107/201, 9-16=-108/105, 10-15=-114/120, 11-14=-90/94

JOINT STRESS INDEX
1 = 0.32, 2 = 0.34, 3 = 0.34, 4 = 0.15, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.27, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.15, 19 = 0.34, 20 = 0.34, 21 = 0.34 and 22 = 0.34

NOTES

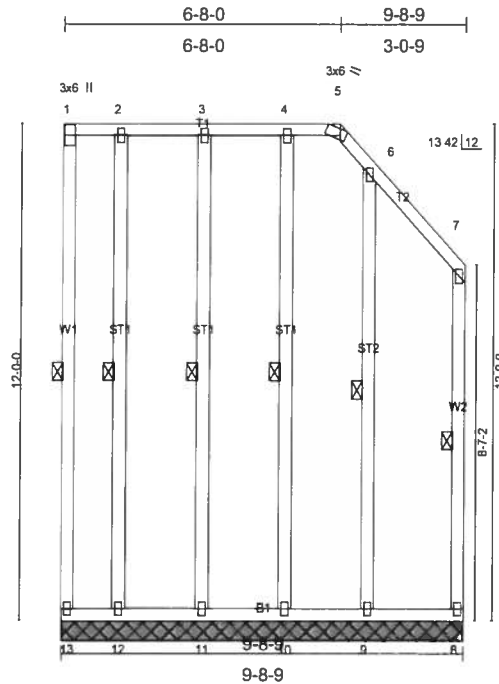
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (3-second gust); h=20ft, TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 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"
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- 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 26 lb uplift at joint 13, 67 lb uplift at joint 1, 249 lb uplift at joint 22, 218 lb uplift at joint 21, 217 lb uplift at joint 20, 226 lb uplift at joint 19, 182 lb uplift at joint 17, 93 lb uplift at joint 16, 108 lb uplift at joint 15 and 82 lb uplift at joint 14.

LOAD CASE(S) Standard

Job#	Truss	Truss Type	Qty	Ply	Dwg.#090105040
L129810	HGBL02	GABLE	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1/53

Plate Offsets (X,Y): (5,0-1,9,Edge)

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.15	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.02	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	Rep Stress Incr	NO	WB 0.07	Horz(TL)	-0.03	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 128 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D
 BOT CHORD 2 X 4 SYP No.2D
 WEBS 2 X 4 SYP No.2D "Except"
 W1 2 X 4 SYP No.3
 OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 1-13, 6-9, 4-10, 3-11, 2-12, 7-8

REACTIONS (lb/size) 1=31/9-8-9, 13=16/9-8-9, 8=80/9-8-9, 9=193/9-8-9, 10=161/9-8-9, 11=177/9-8-9, 12=134/9-8-9

Max Horz 1=-182(load case 6)

Max Uplift 1=-28(load case 4), 13=-3(load case 6), 8=-120(load case 6), 9=-82(load case 6), 10=-106(load case 4), 11=-107(load case 4), 12=-82(load case 4)

Max Grav 1=31(load case 1), 13=16(load case 1), 8=80(load case 1), 9=193(load case 1), 10=161(load case 1), 11=178(load case 7), 12=138(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 5-6=-44/215, 6-7=-40/120, 1-13=0/0, 1-2=-20/206, 2-3=-20/206, 3-4=-20/206, 4-5=-20/206, 7-8=-52/142

BOT CHORD 12-13=-1/1, 11-12=-1/1, 10-11=-1/1, 9-10=-1/1, 8-9=-1/1

WEBS 6-9=-122/121, 4-10=-105/117, 3-11=-115/149, 2-12=-86/98

JOINT STRESS INDEX

1 = 0.11, 2 = 0.06, 3 = 0.08, 4 = 0.07, 5 = 0.57, 6 = 0.07, 7 = 0.17, 8 = 0.08, 9 = 0.07, 10 = 0.07, 11 = 0.08, 12 = 0.06 and 13 = 0.06

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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.
- 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"
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 1, 3 lb uplift at joint 8, 82 lb uplift at joint 9, 106 lb uplift at joint 10, 107 lb uplift at joint 11 and 82 lb uplift at joint 12.

LOAD CASE(S) Standard

Job*	Truss	Truss Type	Qty	Ply	Dwg.#090105041
L129810	HGBL03	KINGPOST	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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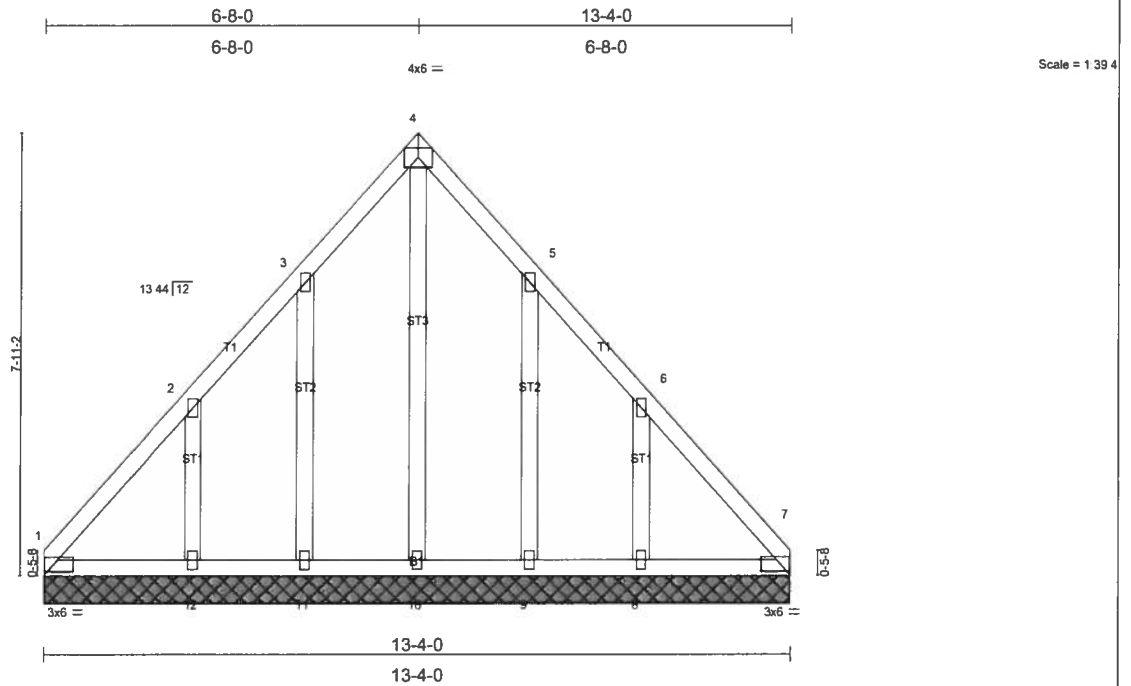


Plate Offsets (X,Y): [1:0-6-3,0-0-14], [4:Edge,0-1-14], [7:0-6-3,0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.09	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a	999	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.18	Horz(TL)	0.00	7	n/a	n/a	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 85 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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) 1=117/13-4-0, 7=117/13-4-0, 10=130/13-4-0, 11=143/13-4-0, 12=234/13-4-0, 9=143/13-4-0, 8=234/13-4-0

Max Horz 1=323(load case 4)

Max Uplift 1=-107(load case 3), 7=-58(load case 4), 11=-179(load case 5), 12=-321(load case 5), 9=-176(load case 6), 8=-321(load case 6)

Max Grav 1=206(load case 4), 7=165(load case 6), 10=170(load case 6), 11=149(load case 7), 12=234(load case 1), 9=149(load case 8), 8=234(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-300/177, 2-3=-138/148, 3-4=-72/204, 4-5=-72/204, 5-6=-81/83, 6-7=-264/113

BOT CHORD 1-12=-77/250, 11-12=-77/250, 10-11=-77/250, 9-10=-77/250, 8-9=-77/250, 7-8=-77/250

WEBS 4-10=-180/0, 3-11=-101/203, 2-12=-141/318, 5-9=-101/200, 6-8=-141/318

JOINT STRESS INDEX

1 = 0.62, 2 = 0.15, 3 = 0.10, 4 = 0.18, 5 = 0.10, 6 = 0.15, 7 = 0.62, 8 = 0.18, 9 = 0.12, 10 = 0.05, 11 = 0.12 and 12 = 0.18

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-98; 120mph (3-second gust), h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"

4) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 2-0-0 oc.

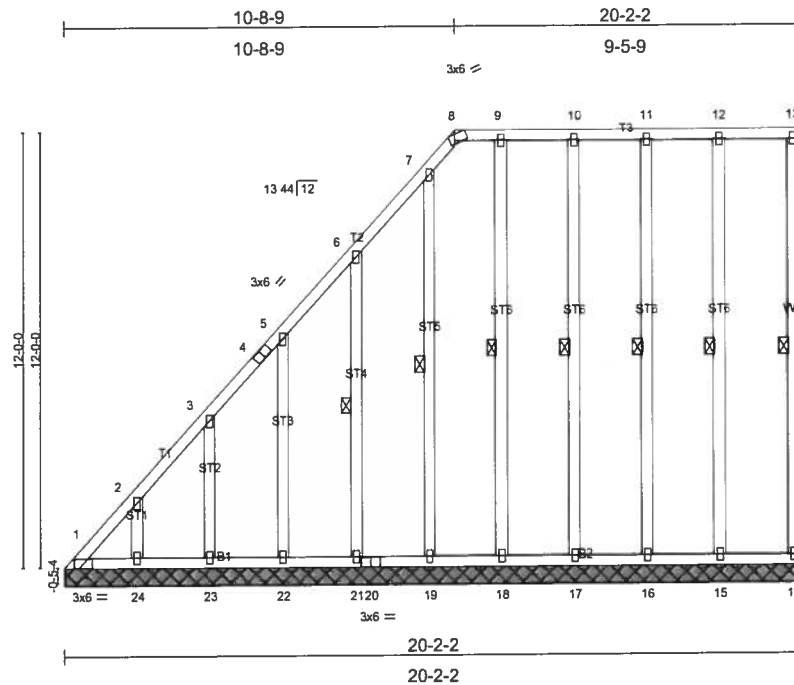
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 107 lb uplift at joint 1, 58 lb uplift at joint 7, 179 lb uplift at joint 11, 321 lb uplift at joint 12, 176 lb uplift at joint 9 and 321 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105042
L129810	HGBL04	GABLE	1	1	Job Reference (optional)

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Scale = 1/607

Plate Offsets (X,Y): [8'-0"-1'-9" Edge]

LOADING (psf)	SPACING	2'-0"-0"	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.04	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	NO	WB 0.08	Horz(TL)	-0.00	14	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 198 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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" oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS 1 Row at midpt 13-14, 6-21, 7-19, 9-18, 10-17, 11-16, 12-15

REACTIONS (lb/size) 14=74/20'-2", 1=51/20'-2", 24=168/20'-2", 23=168/20'-2", 22=168/20'-2", 21=169/20'-2", 19=166/20'-2", 18=168/20'-2", 17=168/20'-2", 16=166/20'-2", 15=182/20'-2"
Max Horz 1=643(load case 5)
Max Uplift 14=45(load case 3), 1=68(load case 3), 24=249(load case 5), 23=219(load case 5), 22=218(load case 5), 21=227(load case 5), 19=182(load case 5), 18=93(load case 3), 17=103(load case 3), 16=100(load case 3), 15=107(load case 3)
Max Grav 14=74(load case 1), 1=678(load case 5), 24=168(load case 1), 23=168(load case 1), 22=168(load case 1), 21=169(load case 1), 19=166(load case 1), 18=168(load case 1), 17=168(load case 1), 16=166(load case 1), 15=182(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 13-14=48/49, 8-9=-1/1, 9-10=-1/1, 10-11=-1/1, 11-12=-1/1, 12-13=-1/1, 1-2=-916/110, 2-3=-726/89, 3-4=-538/61, 4-5=-527/67, 5-6=-355/47, 6-7=-164/39, 7-8=-42/16
BOT CHORD 1-24=-1/1, 23-24=-1/1, 22-23=-1/1, 21-22=-1/1, 20-21=-1/1, 19-20=-1/1, 18-19=-1/1, 17-18=-1/1, 16-17=-1/1, 15-16=-1/1, 14-15=-1/1
WEBS 2-24=-104/240, 3-23=-109/235, 5-22=-108/228, 6-21=-109/239, 7-19=-106/194, 9-18=-108/105, 10-17=-108/115, 11-16=-108/112, 12-15=-116/122

JOINT STRESS INDEX

1 = 0.32, 2 = 0.34, 3 = 0.34, 4 = 0.15, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.27, 9 = 0.34, 10 = 0.34, 11 = 0.34, 12 = 0.34, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.34, 20 = 0.15, 21 = 0.34, 22 = 0.34, 23 = 0.34 and 24 = 0.34

NOTES

- 1) Wind: ASCE 7-98; 120mph (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) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2'-0" oc.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 14, 68 lb uplift at joint 1, 249 lb uplift at joint 24, 219 lb uplift at joint 23, 218 lb uplift at joint 22, 227 lb uplift at joint 21, 182 lb uplift at joint 19, 93 lb uplift at joint 18, 103 lb uplift at joint 17, 100 lb uplift at joint 16 and 107 lb uplift at joint 15.
- 8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

Job L129810	Truss HGBL05	Truss Type GABLE	Qty 1	Ply 1	Dwg.#090105043
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:09 2005 Page 1		

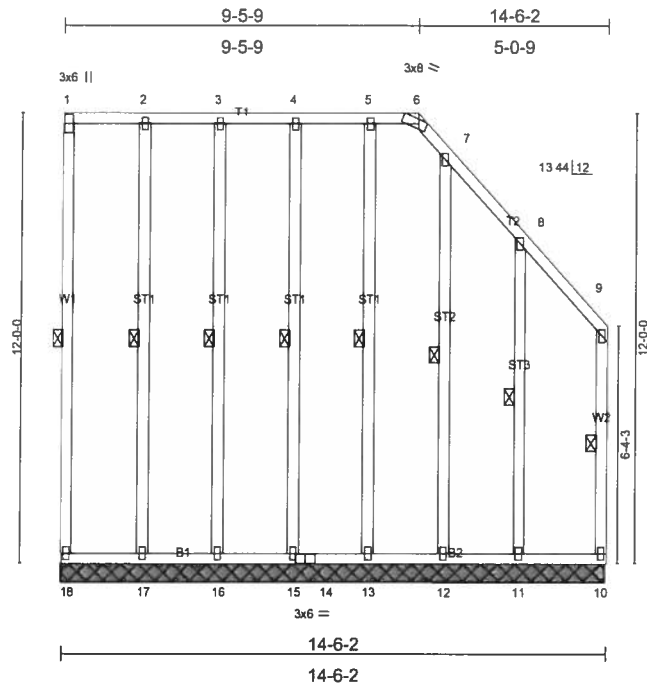


Plate Offsets (X,Y): [6:0-2:9 Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.21	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.02	Vert(TL)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr	NO	WB 0.08	Horz(TL)	0.02	10	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 169 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3 *Except*	WEBS 1 Row at midpt 1-18, 8-11, 7-12, 5-13, 4-15, 3-16, 2-17, 9-10
W2 2 X 4 SYP No.2D	
OTHERS 2 X 4 SYP No.3	

REACTIONS (lb/size) 1=50/14-6-2, 18=27/14-6-2, 10=79/14-6-2, 11=196/14-6-2, 12=159/14-6-2, 13=169/14-6-2, 15=168/14-6-2, 16=168/14-6-2, 17=177/14-6-2
Max Horz 1=305(load case 6)
Max Uplift 1=50(load case 4), 10=96(load case 6), 11=291(load case 6), 12=4(load case 4), 13=111(load case 4), 15=100(load case 4), 16=101(load case 4), 17=106(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=0/0, 1-2=34/314, 2-3=34/314, 3-4=34/314, 4-5=34/314, 5-6=34/314, 6-7=42/311, 7-8=46/335, 8-9=40/95, 9-10=-52/109
BOT CHORD 17-18=-1/1, 16-17=-1/1, 15-16=-1/1, 14-15=-1/1, 13-14=-1/1, 12-13=-1/1, 11-12=-1/1, 10-11=-1/1
WEBS 8-11=-125/307, 7-12=-103/14, 5-13=-108/123, 4-15=-108/129, 3-16=-109/113, 2-17=-113/120

JOINT STRESS INDEX
1 = 0.17, 2 = 0.07, 3 = 0.06, 4 = 0.07, 5 = 0.07, 6 = 0.53, 7 = 0.06, 8 = 0.15, 9 = 0.13, 10 = 0.09, 11 = 0.18, 12 = 0.04, 13 = 0.07, 14 = 0.01, 15 = 0.07, 16 = 0.06, 17 = 0.07 and 18 = 0.06

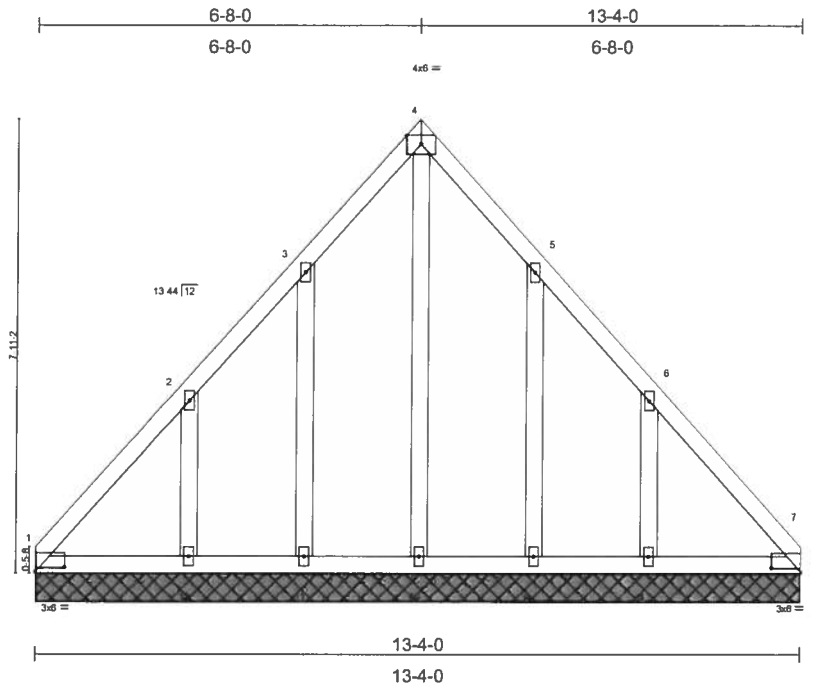
NOTES
1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Truss 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
7) Gable studs spaced at 2-0-0 oc.
8) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TP1 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 1, 96 lb uplift at joint 10, 291 lb uplift at joint 11, 4 lb uplift at joint 12, 111 lb uplift at joint 13, 100 lb uplift at joint 15, 101 lb uplift at joint 16 and 106 lb uplift at joint 17.

LOAD CASE(S) Standard

Job #	Truss	Truss Type	Qty	Ply	Dwg.#090105044
L129810	HGBLO3	KINGPOST	1	1	

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Scale = 1/32

Plate Offsets (X,Y) [1:0-6-3.0-0-14], [4 Edge 0-1-14], [7 0-6-3.0-0-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	L/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.09	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.09	Vert(TL)	n/a	-	n/a	999	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.18	Horz(TL)	0.00	7	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 85 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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) 1=117/13-4-0, 7=117/13-4-0, 10=130/13-4-0, 11=143/13-4-0, 12=234/13-4-0, 9=143/13-4-0, 8=234/13-4-0
Max Horz 1=-323(load case 3)
Max Uplift 1=-107(load case 3), 7=-58(load case 4), 11=-179(load case 5), 12=-321(load case 5), 9=-176(load case 6), 8=-321(load case 6)
Max Grav 1=206(load case 4), 7=165(load case 6), 10=170(load case 6), 11=149(load case 7), 12=234(load case 1), 9=149(load case 8), 8=234(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-300/177, 2-3=-138/148, 3-4=-72/204, 4-5=-72/204, 5-6=-81/83, 6-7=-264/113
BOT CHORD 1-12=-77/250, 11-12=-77/250, 10-11=-77/250, 9-10=-77/250, 8-9=-77/250, 7-8=-77/250
WEBS 4-10=-180/0, 3-11=-101/203, 2-12=-141/318, 5-9=-101/200, 6-8=-141/318

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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.
- 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"
- All plates are 2x4 MT20 unless otherwise indicated.
- 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 107 lb uplift at joint 1, 58 lb uplift at joint 7, 179 lb uplift at joint 11, 321 lb uplift at joint 12, 176 lb uplift at joint 9 and 321 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L129810	Truss HGBLO6	Truss Type QUEENPOST	Qty 1	Ply 1	Dwg.#090105045
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:10 2005 Page 1		

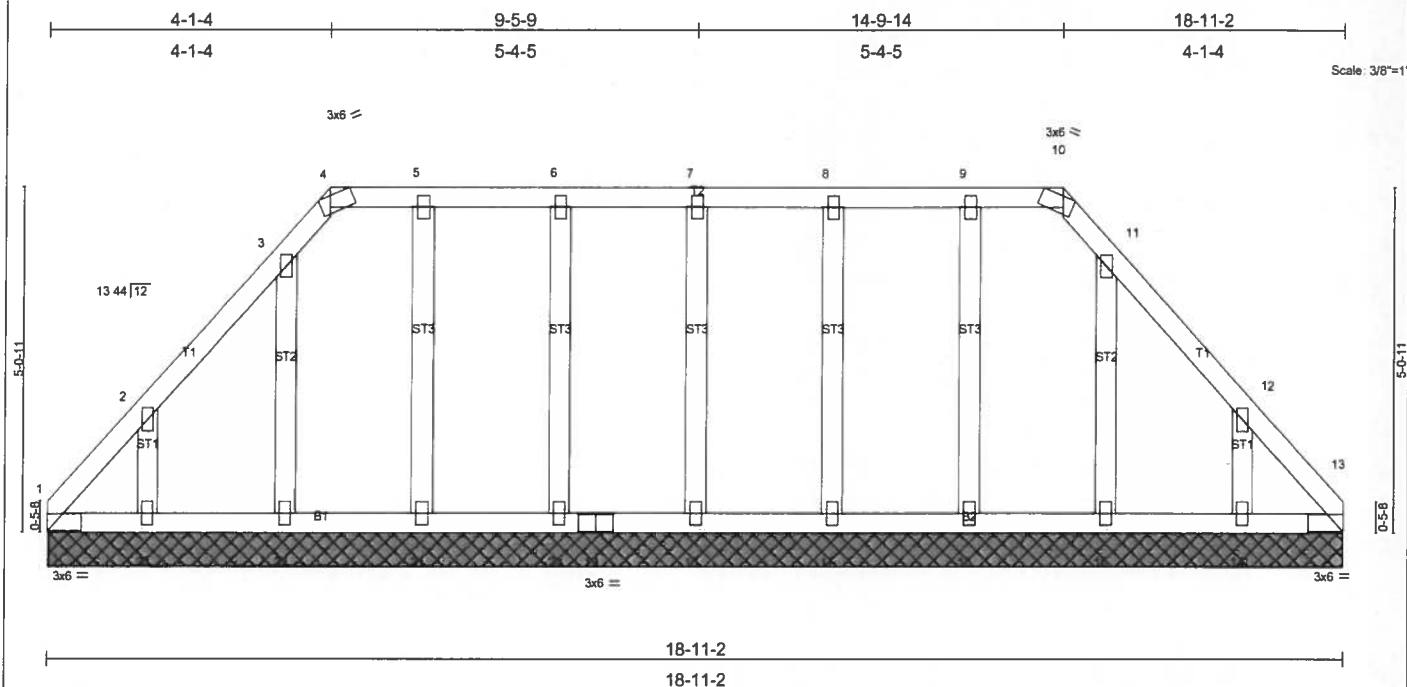


Plate Offsets (X,Y): [1 0-4-9,0-1-8], [4,0-1-9,Edge], [10,0-1-9,Edge], [13,0-4-9,0-1-8]									
LOADING (psf)	SPACING	2-0-0	CSI	DEF	in	(loc)	l/def	L/d	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.06	Vert(LL)	n/a	-	n/a	999	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.03	Vert(TL)	n/a	-	n/a	999	GRIP
BCLL 10.0	Rep Stress Incr	YES	WB 0.06	Horz(TL)	0.00	13	n/a	n/a	244/190
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 112 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2 X 4 SYP No.3	

REACTIONS (lb/size) 1=66/18-11-2, 13=66/18-11-2, 18=167/18-11-2, 20=170/18-11-2, 21=159/18-11-2, 22=152/18-11-2, 23=164/18-11-2, 17=170/18-11-2, 16=159/18-11-2, 15=152/18-11-2, 14=164/18-11-2
Max Horiz 1=203(load case 3)
Max Uplift 1=92(load case 3), 13=48(load case 4), 18=99(load case 4), 20=108(load case 3), 21=91(load case 4), 22=123(load case 5), 23=240(load case 5), 17=106(load case 3), 16=89(load case 4), 15=105(load case 6), 14=242(load case 6)
Max Grav 1=166(load case 5), 13=141(load case 6), 18=167(load case 1), 20=170(load case 8), 21=160(load case 7), 22=154(load case 7), 23=164(load case 1), 17=170(load case 7), 16=160(load case 8), 15=154(load case 8), 14=164(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-238/139, 2-3=-75/118, 3-4=-60/111, 10-11=-60/111, 11-12=-70/58, 12-13=-206/81, 4-5=-19/106, 5-6=-19/106, 6-7=-19/106, 7-8=-19/106, 8-9=-19/106, 9-10=-19/106
BOT CHORD 1-23=-53/169, 22-23=-53/169, 21-22=-53/169, 20-21=-53/169, 19-20=-53/169, 18-19=-53/169, 17-18=-53/169, 16-17=-53/169, 15-16=-53/169, 14-15=-53/169, 13-14=-53/169
WEBS 7-18=-107/111, 6-20=-110/120, 5-21=-100/103, 3-22=-93/137, 2-23=-103/239, 8-17=-110/118, 9-16=-100/101, 11-15=-93/120, 12-14=-103/241

JOINT STRESS INDEX
1 = 0.50, 2 = 0.34, 3 = 0.34, 4 = 0.27, 5 = 0.34, 6 = 0.34, 7 = 0.34, 8 = 0.34, 9 = 0.34, 10 = 0.27, 11 = 0.34, 12 = 0.34, 13 = 0.50, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.34, 19 = 0.15, 20 = 0.34, 21 = 0.34, 22 = 0.34 and 23 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 120mph (3-second gust); h=20ft, TCFL=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.
 - 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"
 - Provide adequate drainage to prevent water ponding.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - 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 92 lb uplift at joint 1, 48 lb uplift at joint 13, 99 lb uplift at joint 18, 108 lb uplift at joint 20, 91 lb uplift at joint 21, 123 lb uplift at joint 22, 240 lb uplift at joint 23, 106 lb uplift at joint 17, 89 lb uplift at joint 16, 105 lb uplift at joint 15 and 242 lb uplift at joint 14.

LOAD CASE(S) Standard

Job L129810	Truss HJ4	Truss Type MONO TRUSS	Qty 2	Ply 1	Dwg.#090105046
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6/20/05 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:10 2005 Page 1		

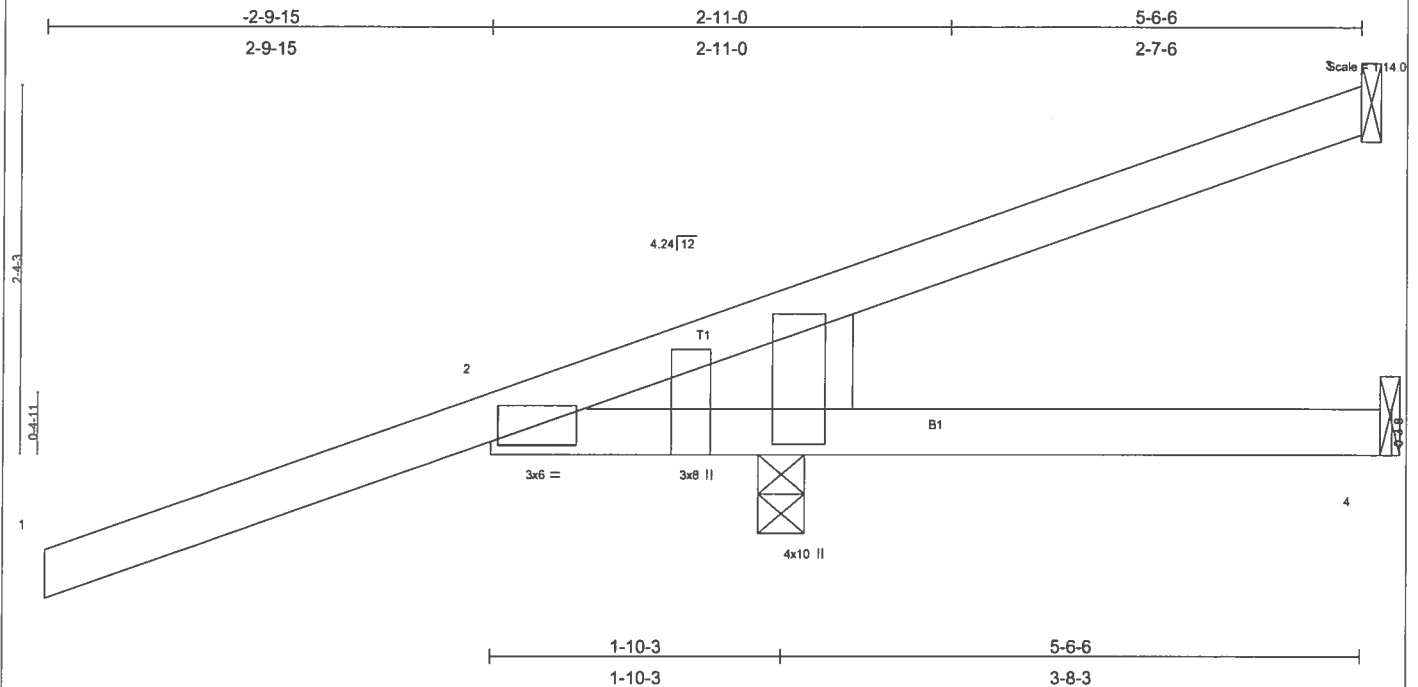


Plate Offsets (X,Y): [2.0-0.9-0-0-4], [2.0-1-0-Edge], [2.0-0-4, 1-9-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.48	Vert(LL)	-0.03	2-4	>999	240	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.15	Vert(TL)	-0.05	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: 27 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEDGE
Left: 2 X 8 SYP No.1D

BRACING

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

REACTIONS (lb/size) 3=89/Mechanical, 4=75/Mechanical, 2=313/0-3-8
Max Horz 2=145(load case 2)
Max Uplift 3=-71(load case 2), 2=-290(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=41/18
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.12, 2 = 0.11 and 2 = 0.08

NOTES

- 1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCCL=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 mechanical connection (by others) of truss to bearing plate capable of withstanding 71 lb uplift at joint 3 and 290 lb uplift at joint 2.
- 3) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

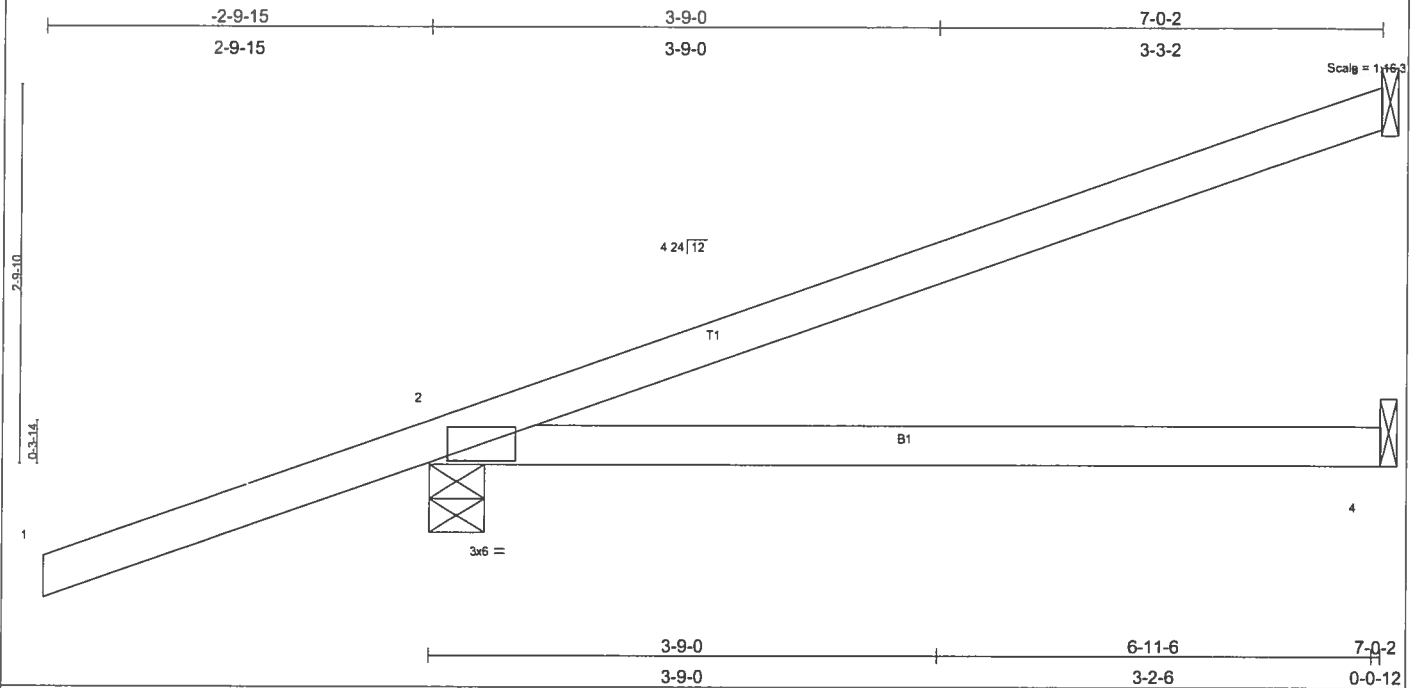
LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-3=-75(F=-10, B=-10), 2=0(F=15, B=15)-to-4=-41(F=-6, B=-6)

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105047
L129810	HJ5	MONO TRUSS	1	1	

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LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.51	Vert(LL) -0.07	2-4	>999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL) -0.12	2-4	>681		
BCCL 10.0	Rep Stress Incr NO	WB 0.00	Horz(TL) -0.00	3	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)					
						Weight: 26 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 7-0-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=188/Mechanical, 2=373/0-4-15, 4=109/Mechanical
Max Horz 2=196(load case 2)
Max Uplift 3=-174(load case 2), 2=-306(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-78/44
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

2 = 0.43

NOTES

- 1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCCL=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 mechanical connection (by others) of truss to bearing plate capable of withstanding 174 lb uplift at joint 3 and 306 lb uplift at joint 2.
- 3) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

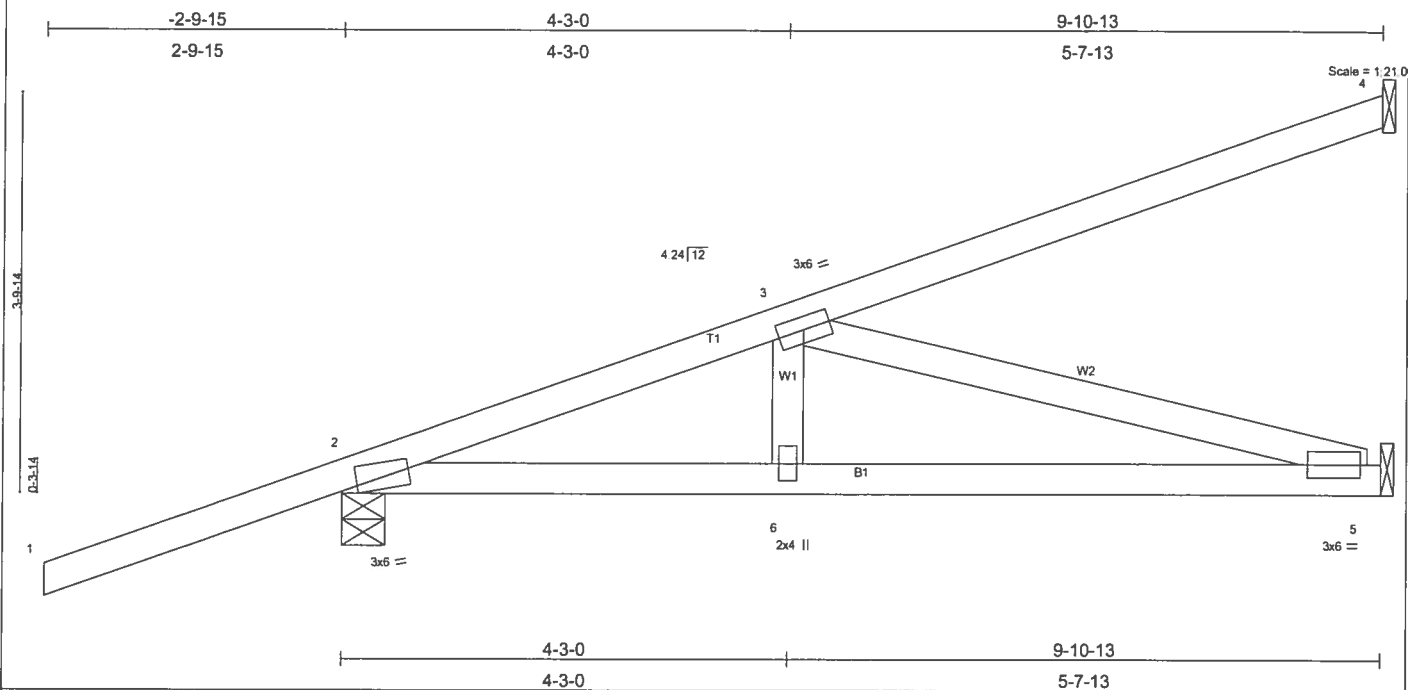
Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-3=-95(F=-20, B=-20), 2=-0(F=15, B=15)-to-4=-53(F=-11, B=-11)

Job L129810	Truss HJ7	Truss Type MONO TRUSS	Qty 5	Ply 1	Dwg.#090105048
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LOADING (psf)	SPACING	2'-0"	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	-0.08	5-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Vert(TL)	-0.13	5-6	>876	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.51	Horz(TL)	0.01	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 45 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD Rigid ceiling directly applied or 9'-4" oc bracing.

REACTIONS

(lb/size) 4=268/Mechanical, 2=530/0-4-15, 5=375/Mechanical
Max Horz 2=320(load case 2)
Max Uplift 4=-284(load case 2), 2=-347(load case 2), 5=-89(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/50, 2-3=-873/165, 3-4=-122/65
BOT CHORD 2-6=-389/809, 5-6=-389/809
WEBS 3-6=0/163, 3-5=-840/403

JOINT STRESS INDEX

2 = 0.88, 3 = 0.22, 5 = 0.24 and 6 = 0.12

NOTES

- Wind: ASCE 7-98; 120mph (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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 4, 347 lb uplift at joint 2 and 89 lb uplift at joint 5.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-3(F=26, B=26)-to-4=-134(F=40, B=40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

Job L129810	Truss T01	Truss Type HIP	Qty 1	Ply 1	Dwg.#090105049
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)
6 200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:12 2005 Page 1

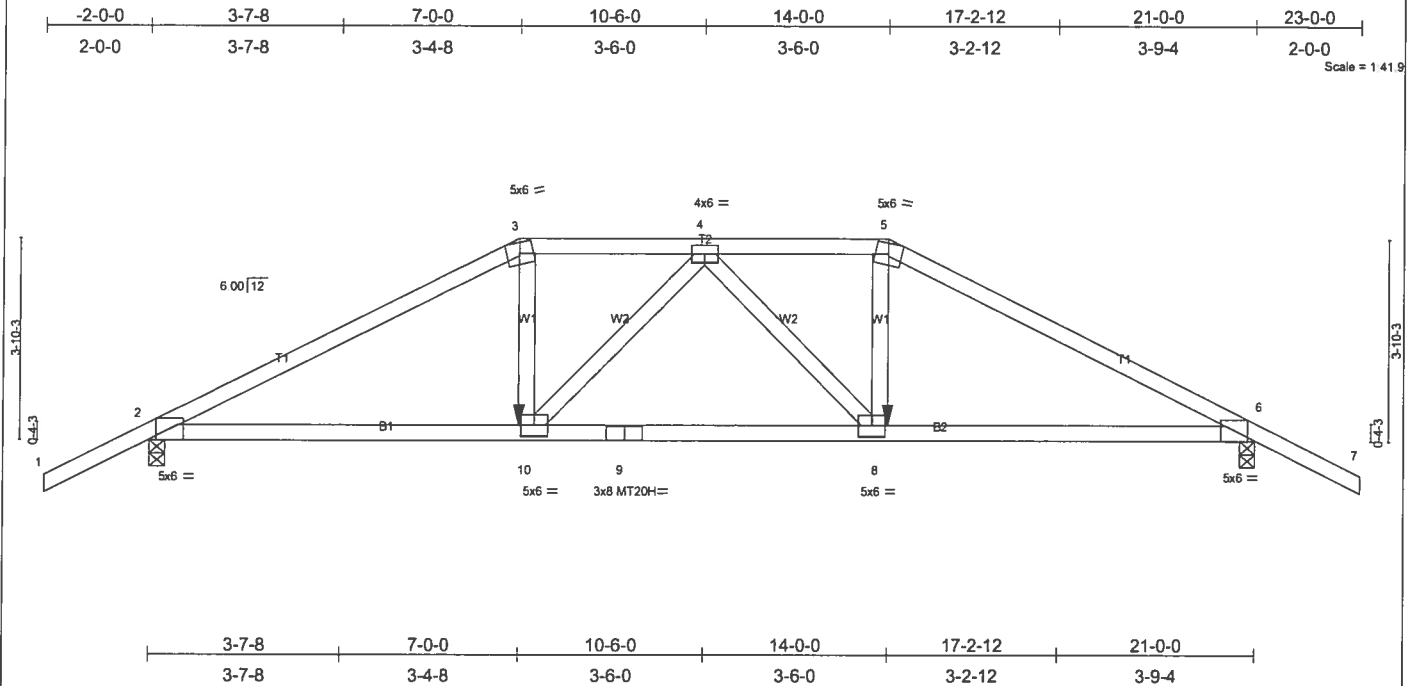


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-1-11,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.48	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.87	Vert(TL)	-0.35	8-10	>709	180	MT20H	187/143
BCLL 10.0	Rep Stress Incr NO	WB 0.36	Horz(TL)	0.09	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)							Weight: 95 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-13 oc bracing.

REACTIONS

(lb/size) 2=1866/0-3-8, 6=1866/0-3-8
Max Horz 2=-136(load case 5)
Max Uplift 2=-1028(load case 4), 6=-1028(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-3341/1662, 3-4=-2939/1545, 4-5=-2939/1545, 5-6=-3341/1662, 6-7=0/47
BOT CHORD 2-10=-1431/2895, 9-10=-1608/3087, 8-9=-1608/3087, 6-8=-1382/2895
WEBS 3-10=-517/1125, 4-10=-333/343, 4-8=-333/343, 5-8=-517/1125

JOINT STRESS INDEX

2 = 0.84, 3 = 0.74, 4 = 0.26, 5 = 0.74, 6 = 0.84, 8 = 0.40, 9 = 0.91 and 10 = 0.40

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1028 lb uplift at joint 2 and 1028 lb uplift at joint 6.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 348 lb up at 14-0-0, and 539 lb down and 348 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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: 1-3=-54, 3-5=-118(F=-64), 5-7=-54, 2-10=-30, 8-10=-65(F=-35), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 8=-539(F)

Job L129810	Truss T02	Truss Type HIP	Qty 1	Ply 1	Dwg.#090105050
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:13 2005 Page 1		

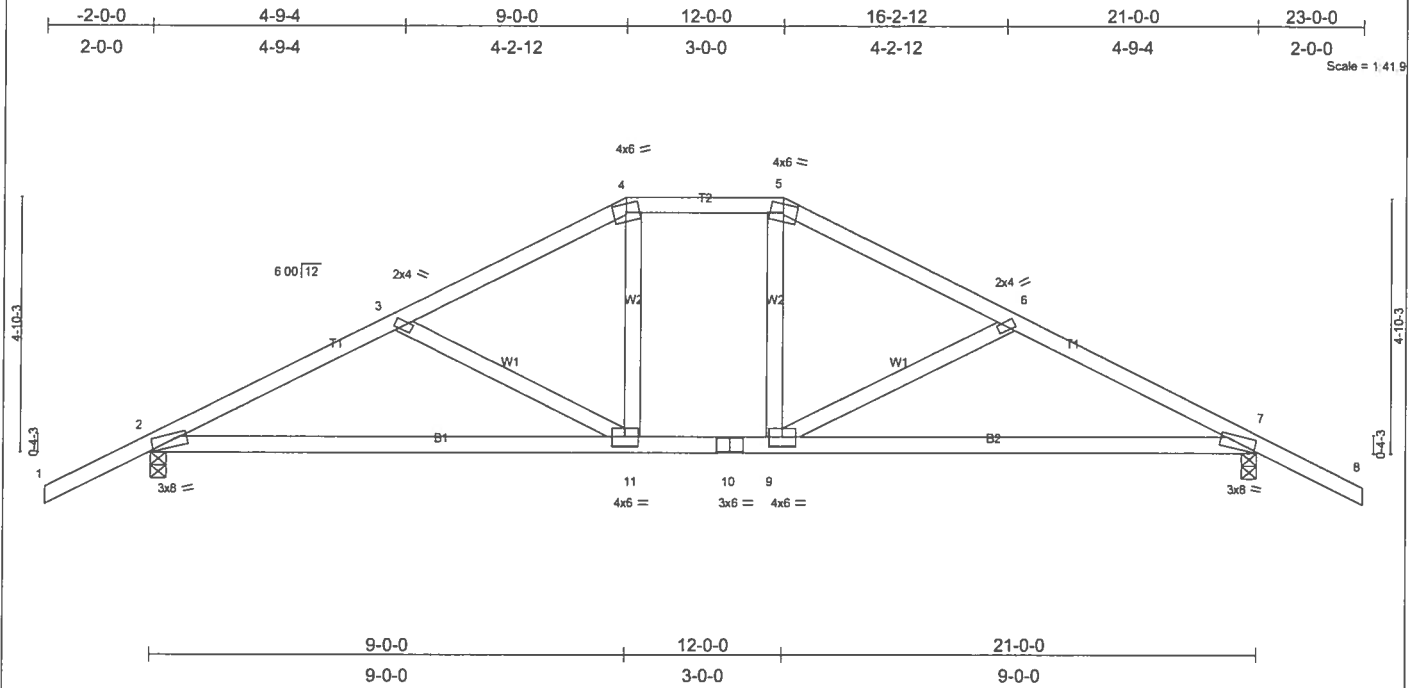


Plate Offsets (X,Y): [2-0-0-10,Edge], [7-0-0-10,Edge]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d
TCLL 20.0	Plates Increase	1.25	TC 0.32	Vert(LL)	-0.20 2-11	>999	240
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.31 2-11	>805	180
BCLL 10.0	Rep Stress Incr	YES	WB 0.14	Horz(TL)	0.04 7	n/a	n/a
BCDL 5.0	Code FBC2004/TP12002		(Matrix)				
							Weight: 100 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 8-4-5 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=986/0-3-8, 7=986/0-3-8
Max Horz 2=159(load case 5)
Max Uplift 2=-481(load case 5), 7=-481(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1418/890, 3-4=-1155/711, 4-5=-990/707, 5-6=-1155/711, 6-7=-1418/890, 7-8=0/47
BOT CHORD 2-11=-593/1228, 10-11=-299/990, 9-10=-299/990, 7-9=-593/1228
WEBS 3-11=-316/335, 4-11=-112/304, 5-9=-112/304, 6-9=-316/335

JOINT STRESS INDEX
2 = 0.84, 3 = 0.34, 4 = 0.49, 5 = 0.49, 6 = 0.34, 7 = 0.84, 9 = 0.25, 10 = 0.59 and 11 = 0.25

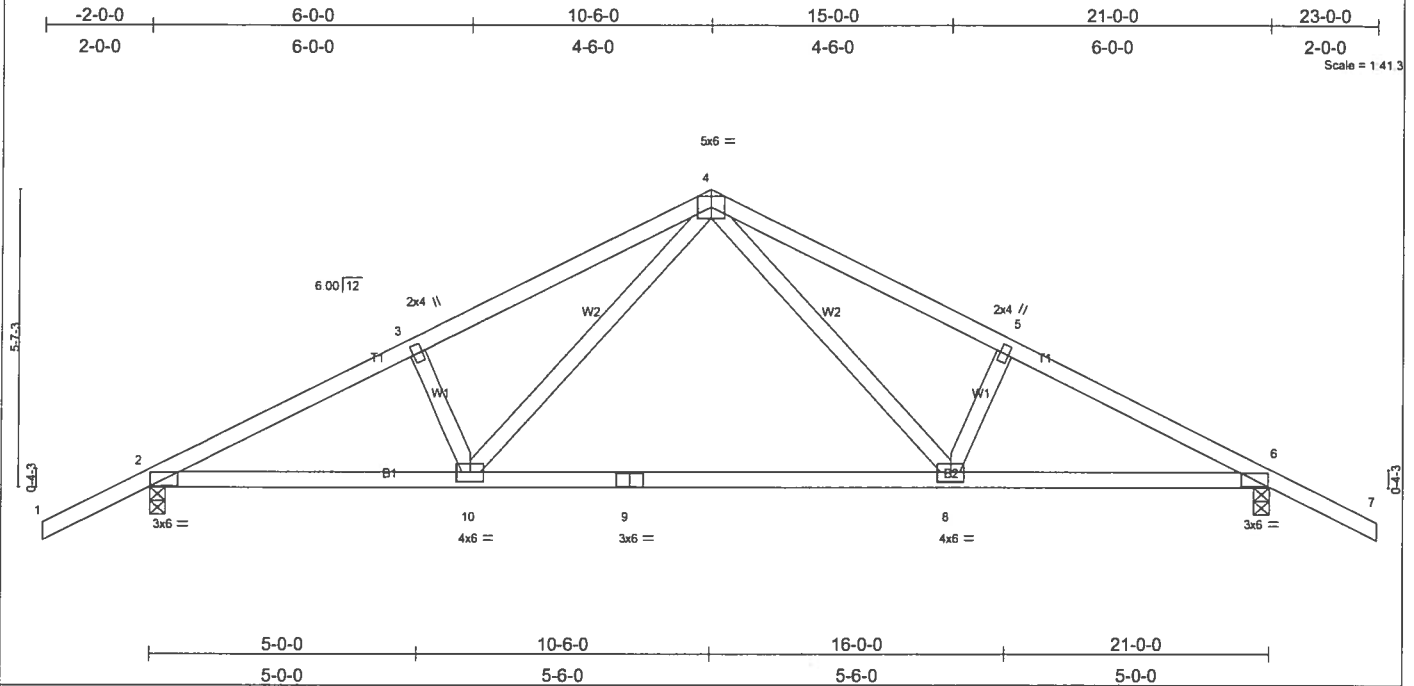
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for 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 481 lb uplift at joint 2 and 481 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L129810	Truss T03	Truss Type COMMON	Qty 7	Ply 1	Dwg.#090105051
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.27	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.48	Vert(LL) -0.17 8-10 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.27	Vert(TL) -0.29 8-10 >865 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.03 6 n/a n/a		
				Weight 100 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-12 oc purtins.
BOT CHORD Rigid ceiling directly applied or 8-3-3 oc bracing.

REACTIONS (lb/size) 2=986/0-3-8, 6=986/0-3-8
Max Horz 2=-177(load case 6)
Max Uplift 2=-496(load case 5), 6=-496(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1518/905, 3-4=-1414/950, 4-5=-1414/950, 5-6=-1518/905, 6-7=0/47
BOT CHORD 2-10=-609/1293, 9-10=-280/832, 8-9=-280/832, 6-8=-609/1293
WEBS 4-10=-313/604, 4-8=-313/604, 3-10=-235/324, 5-8=-235/324

JOINT STRESS INDEX
2 = 0.68, 3 = 0.34, 4 = 0.67, 5 = 0.34, 6 = 0.68, 8 = 0.33, 9 = 0.49 and 10 = 0.33

NOTES

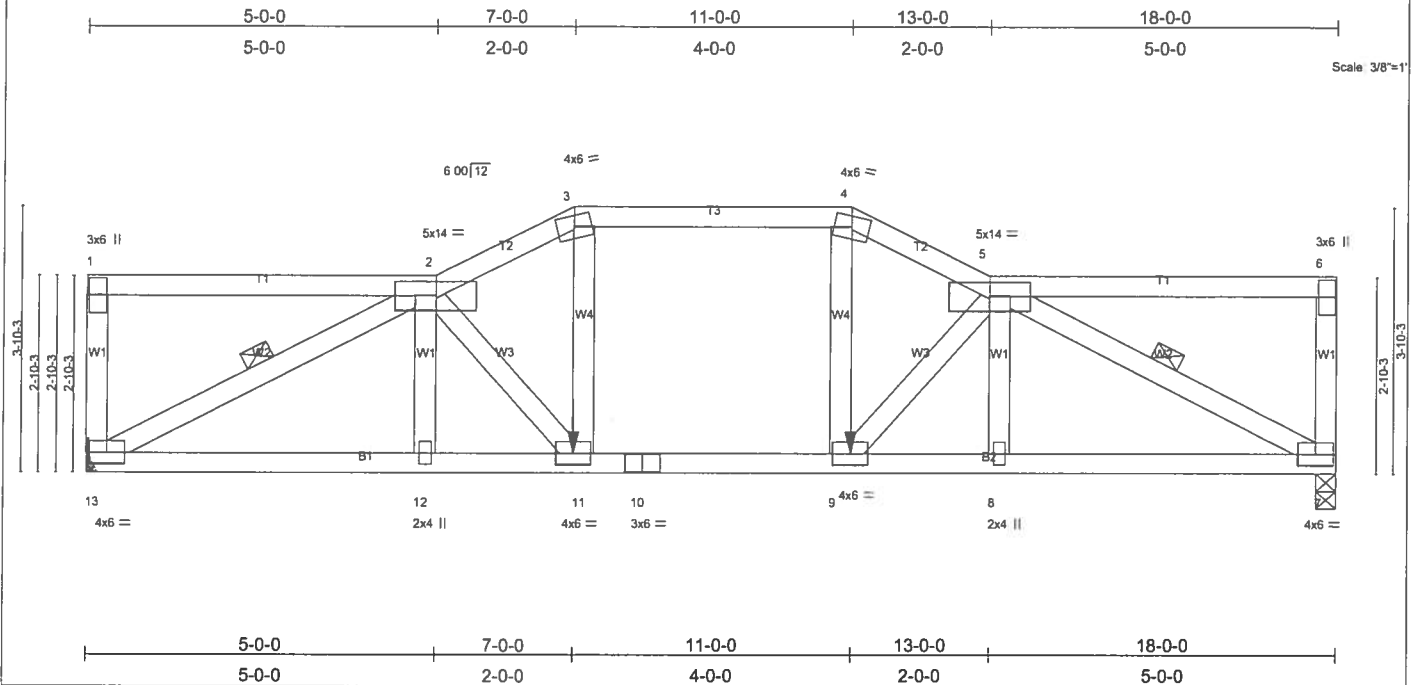
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 496 lb uplift at joint 2 and 496 lb uplift at joint 6.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105052
L129810	T04	CAL. POLYNESIAN	1	1	

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Job	Truss	Truss Type	Qty	Ply	Dwg.#090105053
L129810	T05	SPECIAL	1	1	

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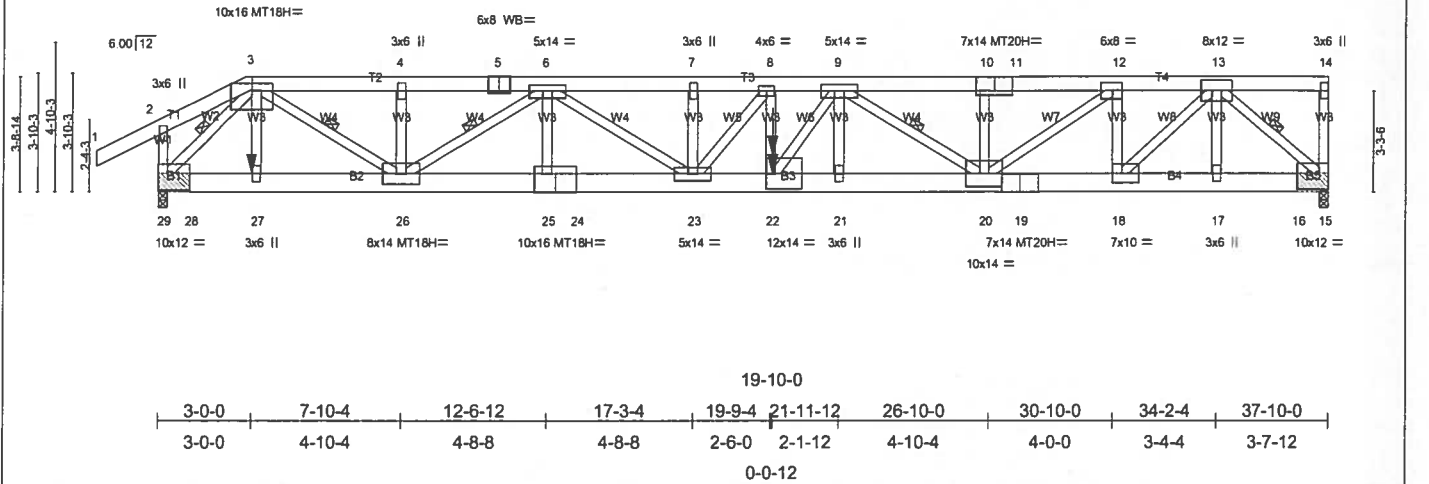
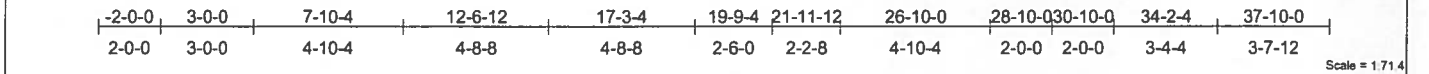


Plate Offsets (X,Y): [3-0-8,0-2-2], [5-0-4,0-Edge], [11-0-7,0-0-5-4], [12-0-3-8,0-3-0], [15-Edge,0-6-4], [18-0-3-8,0-3-8], [19-0-6-12,0-3-8], [22-0-3-8,0-6-0], [29-Edge,0-6-8]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.88	in (loc) l/def L/d	MT20 244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.83	Vert(LL) 0.83 22-23 >544 240	MT20H 187/143
BCLL 10.0	Rep Stress Incr	NO	WB 0.94	Vert(TL) -1.30 22-23 >345 180	MT18H 244/190
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)	Horz(TL) 0.22 15 n/a n/a	Weight 325 lb

LUMBER	BRACING
TOP CHORD 2 X 6 SYP No.1D	TOP CHORD Structural wood sheathing directly applied or 1-5-7 oc purlins, except end verticals.
BOT CHORD 2 X 8 SYP 2400F 2.0E *Except*	BOT CHORD Rigid ceiling directly applied or 3-11-10 oc bracing
WEBS 2 X 4 SYP No.3 *Except*	WEBS 1 Row at midpt 3-26, 6-26, 9-20, 13-15, 3-29
W4 2 X 4 SYP No.1D, W4 2 X 4 SYP No.1D, W4 2 X 4 SYP No.1D, W4 2 X 4 SYP No.2D, W1 2 X 4 SYP No.2D	

REACTIONS (lb/size) 15=3588/0-3-10 (0-3-8 + bearing block), 29=4709/0-3-14 (0-3-8 + bearing block)
Max Horz 29=208(load case 4)
Max Uplift 15=1935(load case 3), 29=2522(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=441/315, 14-15=123/91, 2-29=454/402, 3-4=8908/5005, 4-5=8905/5001, 5-6=8905/5001, 6-7=14935/8302, 7-8=14935/8302, 8-9=15531/8613, 9-10=10595/5800, 10-11=10595/5800, 11-12=10595/5800, 12-13=6928/3769, 13-14=76/41
BOT CHORD 28-29=2177/3809, 27-28=2177/3809, 26-27=2184/3834, 25-26=7079/12652, 24-25=7079/12652, 23-24=7079/12652, 22-23=8613/15531, 21-22=7875/14257, 20-21=7875/14257, 19-20=3769/6928, 18-19=3769/6928, 17-18=2006/3701, 16-17=2006/3701, 15-16=2006/3701
WEBS 3-27=176/545, 3-26=3390/6105, 4-26=623/601, 6-26=4537/2514, 6-25=0/385, 6-23=1481/2765, 7-23=449/454, 9-21=129/382, 9-20=4430/2510, 10-20=249/217, 12-18=2929/1680, 13-18=2493/4562, 13-17=69/116, 13-15=4917/2665, 3-29=5276/2896, 8-22=346/743, 8-23=971/506, 9-22=1302/2245, 12-20=2535/4577

JOINT STRESS INDEX
2 = 0.89, 3 = 0.91, 4 = 0.20, 5 = 0.96, 6 = 0.77, 7 = 0.16, 8 = 0.34, 9 = 1.00, 10 = 0.00, 11 = 0.68, 12 = 0.91, 13 = 1.00, 14 = 0.35, 15 = 0.82, 15 = 0.00, 16 = 0.00, 16 = 0.00, 17 = 0.16, 18 = 0.79, 19 = 0.71, 20 = 0.93, 21 = 0.16, 22 = 0.43, 23 = 0.77, 24 = 0.96, 25 = 0.00, 26 = 0.92, 27 = 0.18, 28 = 0.00, 28 = 0.00, 29 = 0.88 and 29 = 0.00

- NOTES**
- 1) 2 X 8 SYP 2400F 2.0E bearing block 12" long at jt. 29 attached to front face with 4 rows of 0.131"x3" Nails spaced 3" o.c. 16 Total fasteners. Bearing is assumed to be SYP.
 - 2) 2 X 8 SYP No.1D bearing block 12" long at jt. 15 attached to front face with 4 rows of 0.131"x3" Nails spaced 3" o.c. 16 Total fasteners. Bearing is assumed to be SYP.
 - 3) Unbalanced roof live loads have been considered for this design.
 - 4) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) All plates are MT20 plates unless otherwise indicated.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1935 lb uplift at joint 15 and 2522 lb uplift at joint 29.
 - 8) Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 3-0-0
 - 9) Girder carries hip end with 18-0-0 right side setback, 3-0-0 left side setback, and 7-0-0 end setback.
 - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2846 lb down and 1598 lb up at 19-10-0, and 231 lb down and 149 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 11) 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, 27-29=129(F=99), 22-27=65(F=35), 15-22=30, 3-8=118(F=64), 8-14=54

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105054
L129810	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOAD CASE(S) Standard
 Concentrated Loads (lb)
 Vert: 27=-231(F) 22=-2846(F)



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.67	Vert(LL) -0.39 12-14 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.89	Vert(TL) -0.65 12-14 >696 180	MT20H	187/143
BCLL 10.0	Rep Stress Incr YES	WB 0.73	Horz(TL) 0.14 11 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			
				Weight: 208 lb	

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-4-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-10-3 oc bracing.
WEBS	1 Row at midpt 4-16, 6-12, 9-11

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/52, 2-3=-1792/945, 10-11=-178/145, 2-17=-1661/1025, 3-4=-1580/923, 4-5=-3295/1691, 5-6=-3295/1691, 6-7=-2987/1549,
7-8=-2808/1393, 8-9=-2808/1393, 9-10=-92/18
BOT CHORD 16-17=274/5, 15-16=-1567/2817, 14-15=-1567/2817, 13-14=-1786/3371, 12-13=-1786/3371, 11-12=-1052/1959
WEBS 3-16=-141/517, 4-16=-1536/803, 4-14=-194/693, 6-14=-182/227, 6-12=-430/265, 7-12=-394/343, 9-12=-491/1223, 9-11=-2240/1241,
2-16=-698/1699

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical lift exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are MT20 plates unless otherwise indicated.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 762 lb uplift at joint 11 and 692 lb uplift at joint 17.

**SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

Builders FirstSource, Lake City, FL 32055

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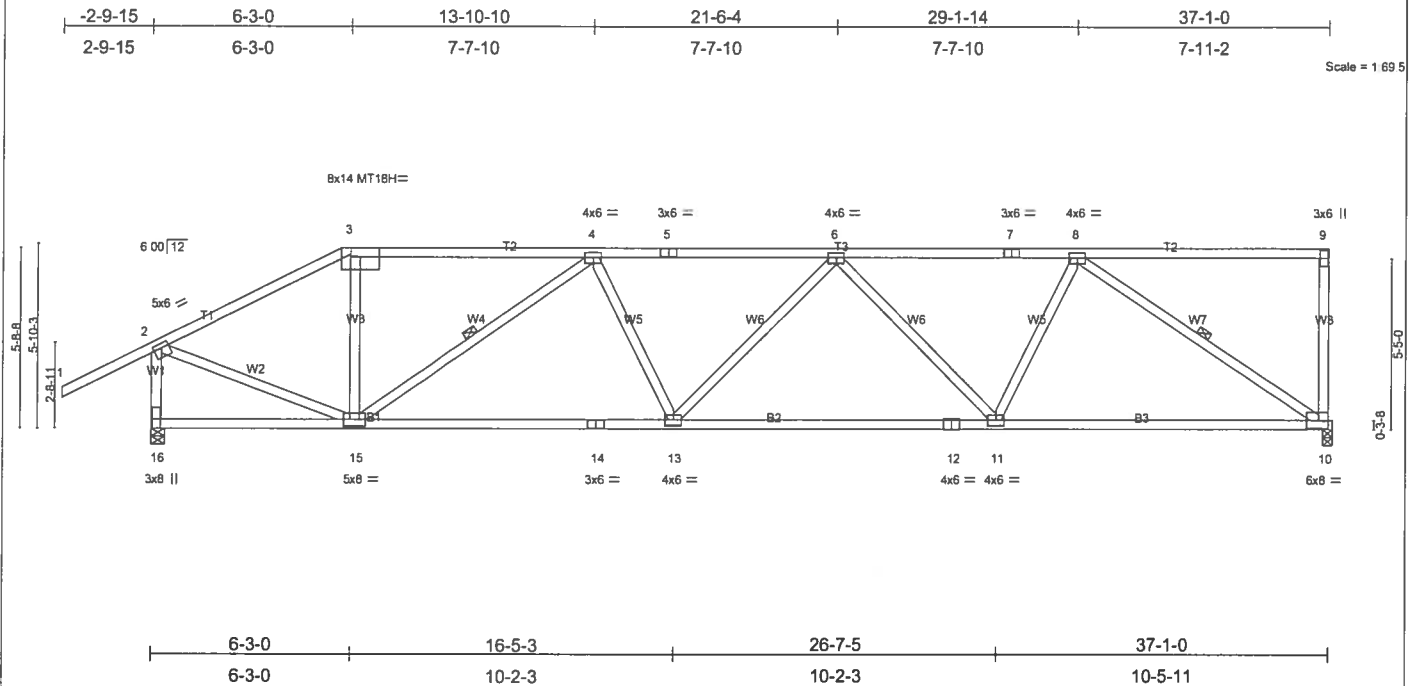


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [3:0-10-10,Edge], [10:0-3-8,0-3-0]									
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.78	Vert(LL)	-0.29 13-15	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.72	Vert(TL)	-0.48 13-15	>925	180	MT18H	244/190
BCCL 10.0	Rep Stress Incr	YES	WB 0.91	Horz(TL)	0.11 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 210 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 5-5-10 oc bracing.
WEBS 2 X 4 SYP No.3 "Except"	WEBS 1 Row at midpt 4-15, 8-10
W1 2 X 4 SYP No.2D	

REACTIONS (lb/size) 10=1539/0-3-8, 16=1712/0-4-15
 Max Horz 16=348(load case 5)
 Max Uplift 10=746(load case 4), 16=664(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/72, 2-3=-1726/925, 9-10=-200/169, 2-16=-1643/1102, 3-4=-1498/917, 4-5=-2596/1371, 5-6=-2596/1371, 6-7=-2141/1084, 7-8=-2141/1084, 8-9=-75/24
 BOT CHORD 15-16=-318/10, 14-15=-1388/2470, 13-14=-1388/2470, 12-13=-1396/2559, 11-12=-1396/2559, 10-11=-962/1785
 WEBS 3-15=-86/437, 4-15=-1241/624, 4-13=0/312, 6-13=0/120, 6-11=-610/454, 8-11=-289/839, 8-10=-2082/1142, 2-15=-641/1603

JOINT STRESS INDEX
 2 = 0.81, 3 = 0.61, 4 = 0.33, 5 = 0.58, 6 = 0.26, 7 = 0.40, 8 = 0.60, 9 = 0.58, 10 = 0.39, 11 = 0.49, 12 = 0.86, 13 = 0.32, 14 = 0.88, 15 = 0.73 and 16 = 0.44

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 746 lb uplift at joint 10 and 664 lb uplift at joint 16.

LOAD CASE(S) Standard

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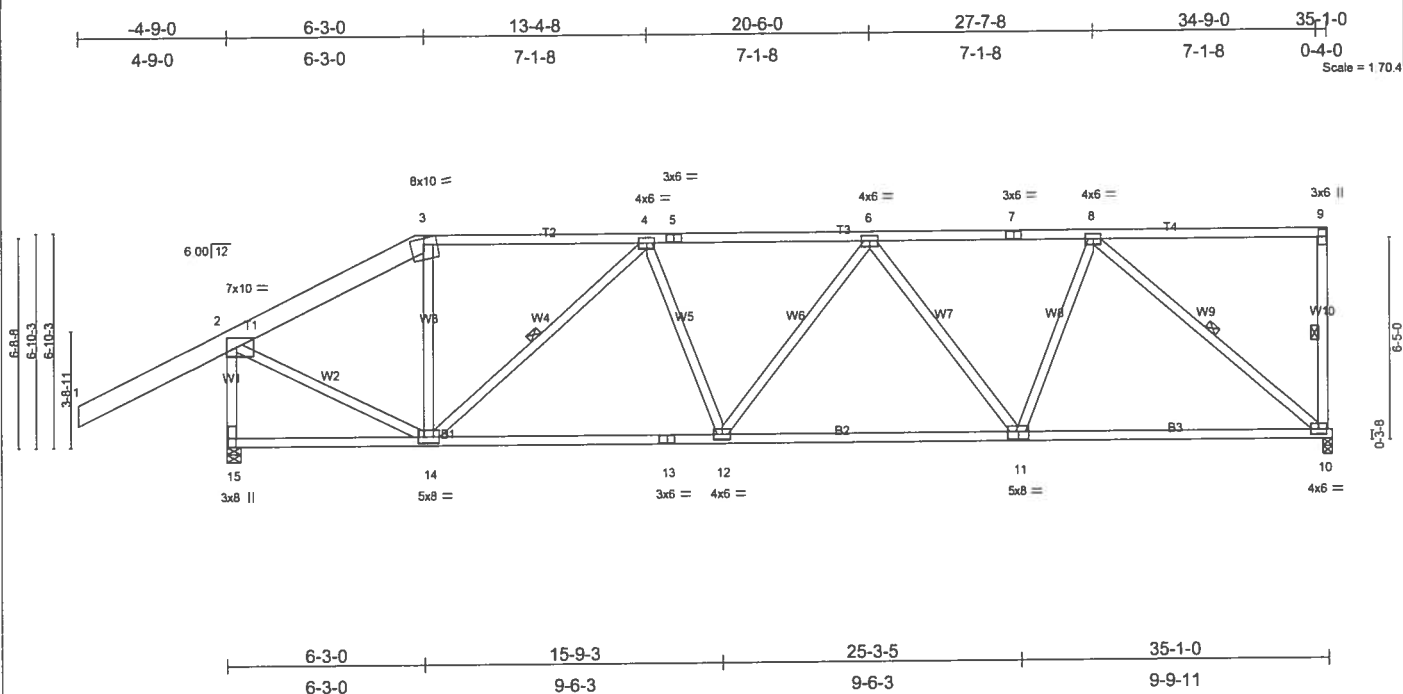


Plate Offsets (X,Y): [2:0-3-8,0-3-8], [11:0-4-0,0-3-0]

[illegible]

LUMBER

TOP CHORD 2 X 4 SYP No.2D *Except*
T1 2 X 8 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2D. W10 2 X 4 SYP No.2D

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 4-14, 8-10, 9-10

REACTIONS

(lb/size) 15=1744/0-4-15, 10=1443/0-3-8
Max Horz 15=358(load case 5)
Max Uplift 15=-747(load case 5), 10=-705(load case 4)

FORCES (lb)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD
 1-2=0/118, 2-3=-1377/736, 2-15=-1673/1239, 9-10=-188/158, 3-4=-1145/693, 4-5=-1927/1020, 5-6=-1927/1020, 6-7=-1594/808,
 7-8=-1594/808, 8-9=-56/17
BOT CHORD
 14-15=-376/0, 13-14=-1034/1834, 12-13=-1034/1834, 11-12=-1036/1899, 10-11=-716/1326
WEBS
 3-14=-103/281, 4-14=-937/504, 4-12=-3/264, 6-12=0/74, 6-11=-515/385, 8-11=-261/759, 8-10=-1690/929, 2-14=-492/1294

JOINT STRESS INDEX

2 = 0.71, 3 = 0.28, 4 = 0.34, 5 = 0.48, 6 = 0.28, 7 = 0.38, 8 = 0.48, 9 = 0.51, 10 = 0.60, 11 = 0.74, 12 = 0.34, 13 = 0.62, 14 = 0.59 and 15 = 0.50

NOTES

NOTES

- 1) Wind: ASCE 7-98; 120mph (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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 747 lb uplift at joint 15 and 705 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105058
L129810	T09	SPECIAL	1	1	

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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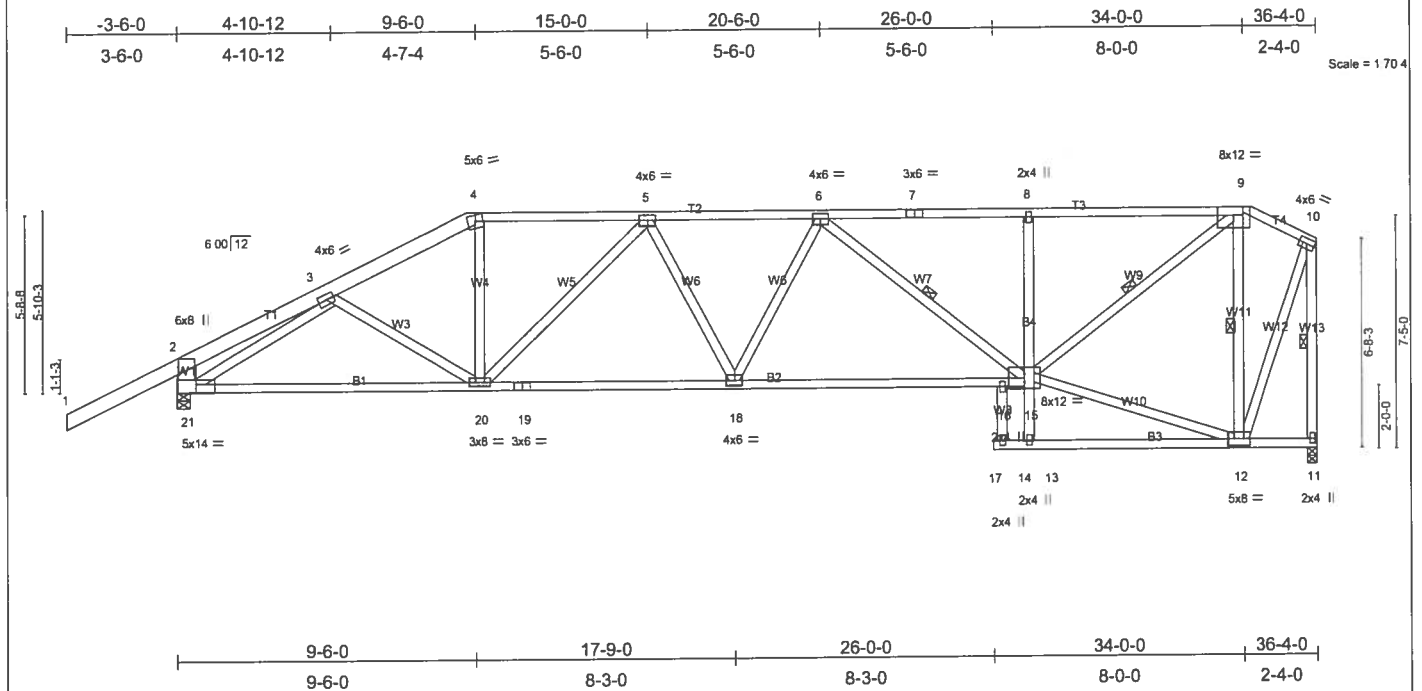


Plate Offsets (X,Y): [2-0-4-6-0-3-0], [21-0-7-2-0-3-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	-0.27	16-18	>999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.63	Vert(TL)	-0.44	16-18	>975		
BCLL 10.0	Rep Stress Incr	YES	WB 0.85	Horz(TL)	0.14	11	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 261 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except*
T1 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D *Except*
B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 8 SYP No.1D, W13 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-1 oc bracing. Except:
1 Row at midpt 8-13
WEBS 1 Row at midpt 6-15, 9-15, 9-12, 10-11

REACTIONS (lb/size) 21=1726/0-4-15, 11=1503/0-3-8
Max Horz 21=391(load case 5)
Max Uplift 21=747(load case 5), 11=630(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/92, 2-3=-582/135, 3-4=-2155/1137, 9-10=-510/282, 2-21=-614/473, 10-11=-1484/781, 4-5=-1926/1110, 5-6=-2487/1342,
6-7=-1960/1051, 7-8=-1960/1051, 8-9=-1949/1051
BOT CHORD 20-21=-1054/1734, 19-20=-1279/2392, 18-19=-1279/2392, 16-18=-1293/2449, 15-16=-1293/2449, 13-15=0/306, 8-15=-403/348, 14-17=0/0,
13-14=0/0, 12-13=-28/0, 11-12=-5/8
WEBS 3-20=-167/290, 4-20=-194/617, 5-20=-724/424, 5-18=-56/250, 6-18=0/111, 6-15=-636/400, 12-15=-203/480, 9-15=-970/1929,
9-12=-1259/746, 3-21=-1687/1302, 10-12=-683/1343, 14-16=-160/0

JOINT STRESS INDEX
2 = 0.33, 3 = 0.52, 4 = 0.61, 5 = 0.31, 6 = 0.31, 7 = 0.52, 8 = 0.34, 9 = 0.59, 10 = 0.81, 11 = 0.54, 12 = 0.79, 13 = 0.34, 14 = 0.34, 15 = 0.90, 16 = 0.34, 18 = 0.31, 19 = 0.85, 20 = 0.57 and 21 = 0.43

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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.
- Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 747 lb uplift at joint 21 and 630 lb uplift at joint 11.

LOAD CASE(S) Standard

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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	0.44	Vert(LL)	-0.22	18-20	>999	240	MT20	244/190									
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.36	18-20	>999	180	MT20H	187/143									
BCLL	10.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.15	11	n/a	n/a											
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)																	
												Weight: 248 lb									

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-6-3 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 5-2-0 oc bracing. Except:
	1 Row at midpt 8-13
WEBS	1 Row at midpt 9-12, 10-11

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=2963/1591, 3-4=2817/1606, 4-5=-2398/1377, 9-10=-855/503, 10-11=-1517/881, 5-6=-2361/1411, 6-7=-2359/1409, 7-8=-2359/1409, 8-9=-1754/1046
BOT CHORD 2-21=-1601/2563, 20-21=-1601/2563, 19-20=-1193/2099, 18-19=-1193/2099, 16-18=-924/1773, 15-16=-927/1771, 13-15=0/168, 8-15=-868/610, 14-17=0, 13-14=0, 12-13=-95/98, 11-12=-13/6
WEBS 4-21=0/205, 4-20=-538/468, 5-20=-188/456, 5-18=-302/490, 6-18=-468/397, 8-18=-438/751, 12-15=-300/671, 9-15=-882/1710, 9-12=-1200/702, 10-12=-654/1271, 14-16=-144/93

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 120mph (3-second gust); $h=20$ ft; TCDF=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 gnp 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 698 lb uplift at joint 2 and 586 lb uplift at joint 11.

**SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105060
L129810	T11	SPECIAL	1	1	
Builders FirstSource, Lake City, FL 32055			6 200 s Jul 13 2005 Mittek Industries, Inc. Wed Aug 31 11:21:19 2005 Page 1		

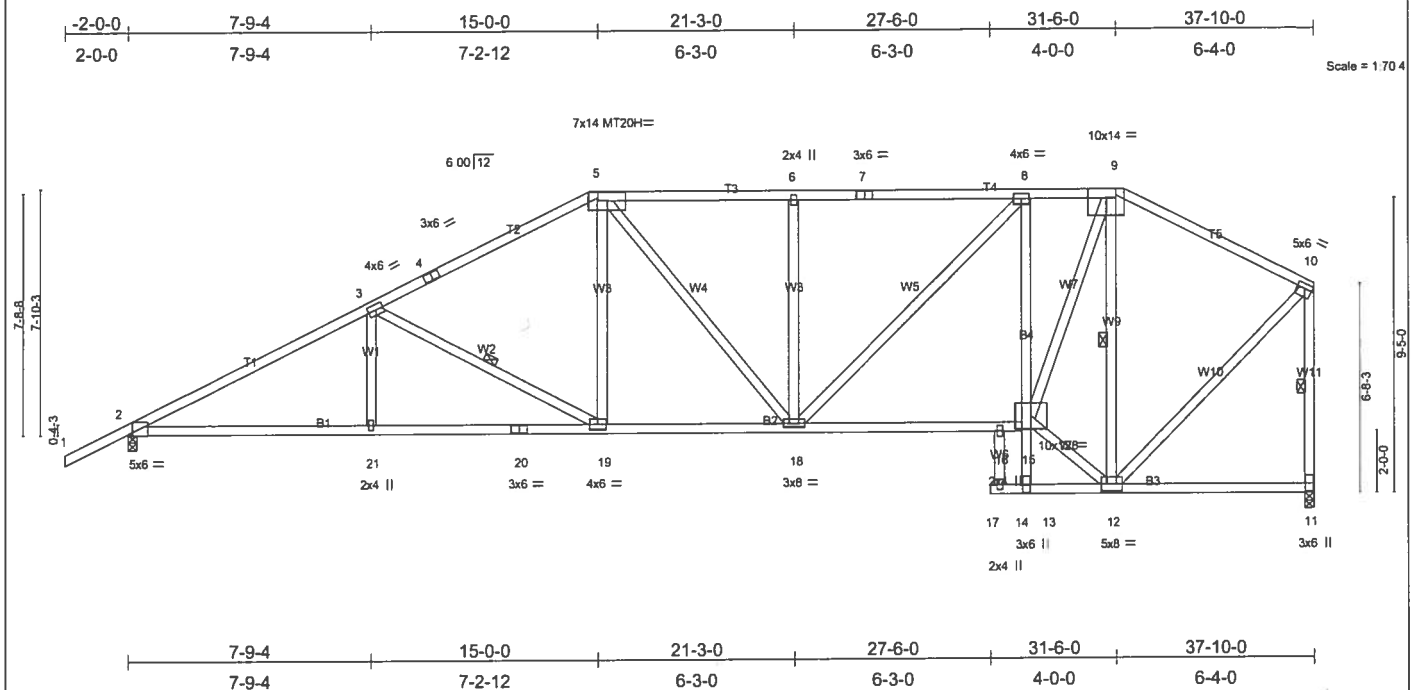


Plate Offsets (X,Y): [2'-0-1-11,Edge], [5'-0-7-0-0-3-7], [9'-0-7-2,Edge], [10,Edge,0-1-12]											
LOADING (psf)		SPACING 2'-0-0		CSI		DEFL		PLATES		GRIP	
TCLL	20.0	Plates Increase 1.25		TC 0.54		in (loc) l/defl L/d		MT20		244/190	
TCDL	7.0	Lumber Increase 1.25		BC 0.67		Vert(LL) -0.20 19-21 >999 240		MT20H		187/143	
BCLL	10.0	Rep Stress Incr YES		WB 0.91		Vert(TL) -0.33 19-21 >999 180					
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		Horz(TL) 0.16 11 n/a n/a					
Weight: 256 lb											

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2D *Except*	BOT CHORD Rigid ceiling directly applied or 5-0-10 oc bracing. Except:
B4 2 X 4 SYP No.3	1 Row at midpt 8-13
WEBS 2 X 4 SYP No.3 *Except*	WEBS 1 Row at midpt 3-19, 9-12, 10-11
W11 2 X 4 SYP No.2D	

REACTIONS (lb/size)	2=1698/0-3-8, 11=1580/0-3-8
Max Horz 2=390(load case 5)	
Max Uplift 2=-723(load case 5), 11=518(load case 3)	
FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/47, 2-3=-2929/1628, 3-4=-2229/1309, 4-5=-2134/1332, 9-10=-1074/654, 10-11=-1486/918, 5-6=-2008/1294, 6-7=-2006/1292, 7-8=-2006/1292, 8-9=-1498/984
BOT CHORD	2-21=-1609/2528, 20-21=-1609/2528, 19-20=-1609/2528, 18-19=-1093/1928, 16-18=-792/1516, 15-16=-798/1530, 13-15=-152/169, 8-15=-850/516, 14-17=0/0, 13-14=0/0, 12-13=100/99, 11-12=-28/34
WEBS	3-21=0/255, 3-19=-692/590, 5-19=-240/522, 5-18=-216/292, 6-18=-418/350, 8-18=-415/719, 12-15=-474/1017, 9-15=-849/1686, 9-12=-1347/794, 10-12=-638/1235, 14-16=-152/177
JOINT STRESS INDEX	2 = 0.74, 3 = 0.30, 4 = 0.50, 5 = 0.84, 6 = 0.34, 7 = 0.61, 8 = 0.49, 9 = 0.97, 10 = 0.66, 11 = 0.37, 12 = 0.59, 13 = 0.32, 14 = 0.34, 15 = 0.75, 16 = 0.34, 18 = 0.71, 19 = 0.25, 20 = 0.96 and 21 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 723 lb uplift at joint 2 and 518 lb uplift at joint 11.

LOAD CASE(S)	Standard
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SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105061
L129810	T12	HIP	1	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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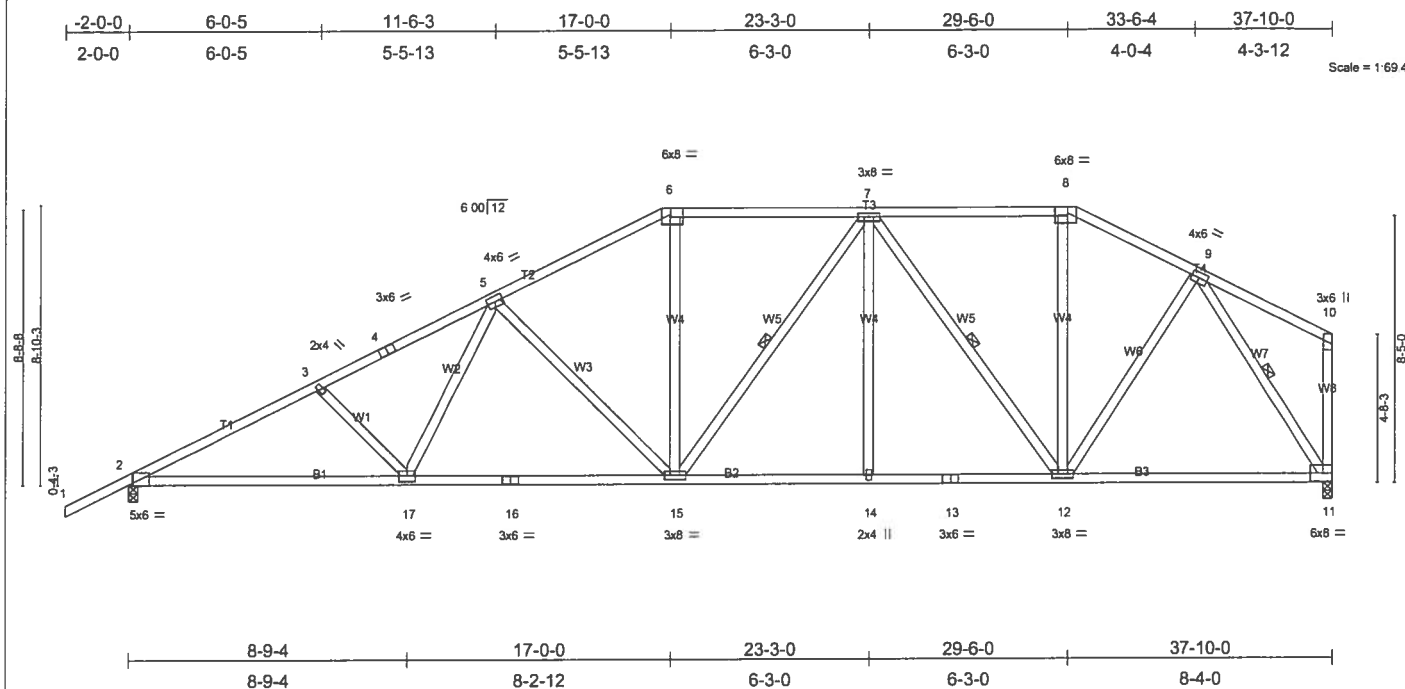


Plate Offsets (X,Y): [2-0-1-11,Edge], [6-0-4-10,Edge], [8-0-4-10,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.63	Vert(LL) -0.21 15-17 >999 240	Weight: 241 lb	
BCLL 10.0	Rep Stress Incr YES	WB 0.68	Vert(TL) -0.34 15-17 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.10 11 n/a n/a		

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-6-15 oc purlins, except end
BOT CHORD 2 X 4 SYP No.2D	verticals.
WEBS 2 X 4 SYP No.3 *Except*	BOT CHORD Rigid ceiling directly applied or 4-11-12 oc bracing.
W8 2 X 4 SYP No.2D	WEBS 1 Row at midpt 7-15, 7-12, 9-11

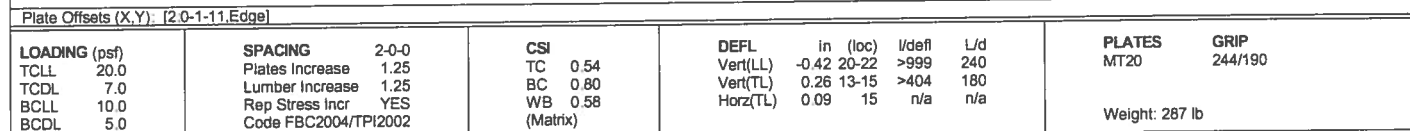
REACTIONS (lb/size) 2=1696/0-3-8, 11=1573/0-3-8
Max Horz 2=413(load case 5)
Max Uplift 2=746(load case 5), 11=478(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=2942/1728, 3-4=2723/1629, 4-5=2653/1642, 5-6=2005/1308, 8-9=1404/951, 9-10=115/96, 10-11=150/156,
6-7=1757/1261, 7-8=1237/922
BOT CHORD 2-17=1722/2555, 16-17=1363/2152, 15-16=1363/2152, 14-15=917/1688, 13-14=917/1688, 12-13=917/1688, 11-12=521/872
WEBS 3-17=266/375, 5-17=234/516, 5-15=585/553, 6-15=266/549, 7-15=165/158, 7-14=0/155, 7-12=819/466, 8-12=142/324, 9-12=242/684,
9-11=1536/954

JOINT STRESS INDEX
2 = 0.74, 3 = 0.34, 4 = 0.72, 5 = 0.30, 6 = 0.99, 7 = 0.58, 8 = 0.76, 9 = 0.40, 10 = 0.28, 11 = 0.25, 12 = 0.72, 13 = 0.63, 14 = 0.34, 15 = 0.58, 16 = 0.86 and 17 = 0.32

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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 746 lb uplift at joint 2 and 478 lb uplift at joint 11.

LOAD CASE(S) Standard



LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2D	TOP CHORD	Structural wood sheathing directly applied or 3-6-15 oc purlins.
BOT CHORD	2 X 4 SYP No.2D	BOT CHORD	Rigid ceiling directly applied or 5-8-6 oc bracing.
WEBS	2 X 4 SYP No.3	WEBS	1 Row at midpt 5-20, 8-19, 8-18, 8-17, 10-15

REACTIONS (lb/size) 2=1646/0-3-8, 15=2190/0-3-8, 13=278/0-3-8
Max Horz 2=-278(load case 6)
Max Uplift 2=-770(load case 5), 15=-1074(load case 6), 13=301(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2788/1736, 3-4=-2558/1616, 4-5=-2422/1637, 5-6=-1696/1224, 6-7=-1444/1183, 7-8=-1584/1255, 8-9=-1045/886, 9-10=-1227/895, 10-11=-230/630, 11-12=-248/509, 12-13=163/395, 13-14=0/47
BOT CHORD 2-22=-1318/2428, 21-22=-900/1958, 20-21=-900/1958, 19-20=-428/1444, 18-19=-472/1468, 17-18=-470/1468, 16-17=-88/382, 15-16=-88/382, 13-15=-276/282
WEBS 3-22=-299/425, 5-22=-289/621, 5-20=-769/685, 6-20=-335/601, 7-19=-355/389, 8-19=-283/323, 8-18=-67/108, 8-17=-791/493, 9-17=-83/318, 10-17=-364/961, 10-15=-1843/1142, 12-15=-329/466

JOINT STRESS INDEX
2 = 0.71, 3 = 0.34, 4 = 0.64, 5 = 0.31, 6 = 0.39, 7 = 0.85, 8 = 0.50, 9 = 0.64, 10 = 0.50, 11 = 0.25, 12 = 0.34, 13 = 0.61, 15 = 0.31, 16 = 0.15, 17 = 0.95, 18 = 0.34, 19 = 0.36, 20 = 0.28, 21 = 0.88 and 22 = 0.36

NOTES

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-98; 120mph (3-second gust); $h=20ft$; $TCDL=4.2psf$; $BCDL=3.0psf$; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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 770 lb uplift at joint 2, 1074 lb uplift at joint 15 and 301 lb uplift at joint 13.

LOAD CASE(S) Standard

**SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105063
L129810	T14	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6/20/05 Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:22 2005 Page 1		

2-0-0	7-2-5	13-10-3	20-6-0	26-2-0	31-8-0	37-8-4	41-9-14	46-6-0	48-6-0
2-0-0	7-2-5	6-7-13	6-7-13	5-8-0	5-6-0	6-0-4	4-1-10	4-8-2	2-0-0
Scale = 1/8" = 1'-0"									

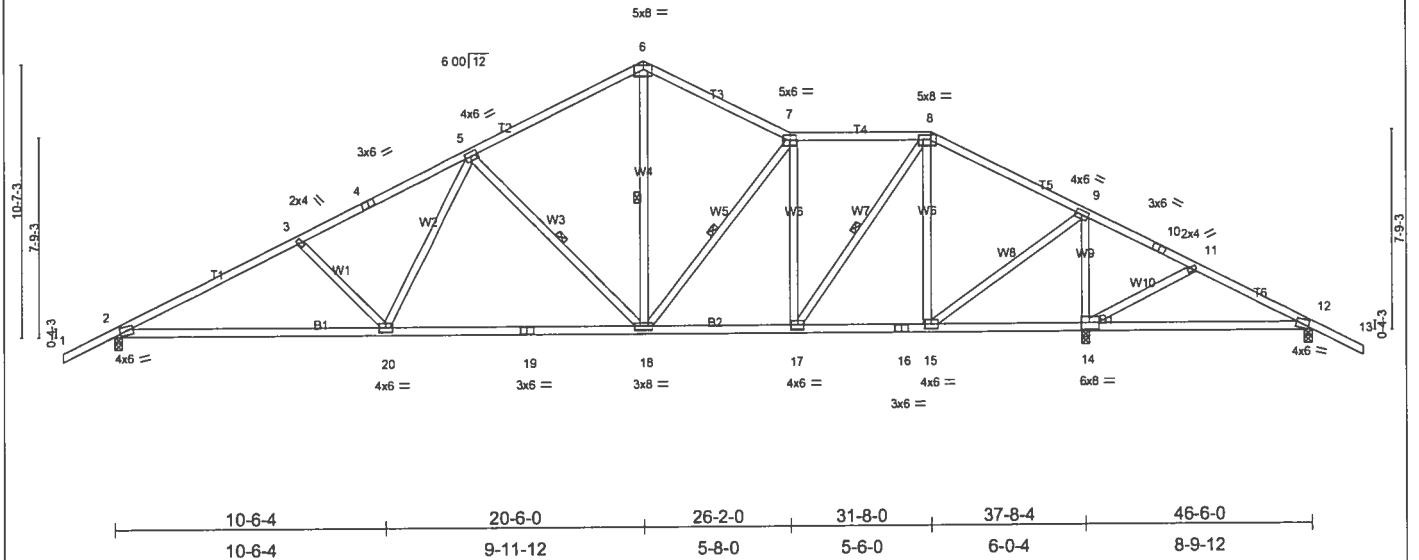


Plate Offsets (X,Y): [2:0-3-1,0-0-11], [8:0-5-8,0-2-4], [12:0-1-13,Edge], [14:0-3-8,0-3-0]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)
TCLL 20.0	Plates Increase	1.25	TC 0.48	Vert(LL)	0.24 12-14
TCDL 7.0	Lumber Increase	1.25	BC 0.73	Vert(TL)	0.21 12-14
BCLL 10.0	Rep Stress Incr	YES	WB 0.93	Horz(TL)	0.07 14
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		n/a
				L/d	240
				L/d	180
					n/a
				PLATES	GRIP
				MT20	244/190
				Weight: 271 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD
WEBS 2 X 4 SYP No.3	WEBS
	Structural wood sheathing directly applied or 3-6-14 oc purlins.
	Rigid ceiling directly applied or 5-8-14 oc bracing.
	1 Row at midpt
	5-18, 6-18, 7-18, 8-17

REACTIONS (lb/size)	2=1600/0-3-8, 14=2434/0-3-8, 12=79/0-3-8
Max Horz 2=-295(load case 6)	
Max Uplift 2=-746(load case 5), 14=-1041(load case 6), 12=-341(load case 6)	
Max Grav 2=1600(load case 1), 14=2434(load case 1), 12=184(load case 8)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/47, 2-3=-2655/1707, 3-4=-2399/1578, 4-5=-2313/1593, 5-6=-1498/1165, 6-7=-1479/1169, 7-8=-1351/1079, 8-9=-865/645, 9-10=-410/878, 10-11=-425/785, 11-12=-214/607, 12-13=0/47
BOT CHORD	2-20=-1287/2312, 19-20=-819/1787, 18-19=-819/1787, 17-18=-480/1367, 16-17=-72/693, 15-16=-72/693, 14-15=-736/693, 12-14=-485/343
WEBS	3-20=-352/480, 5-20=-315/655, 5-18=-763/695, 6-18=-636/918, 7-18=-287/302, 7-17=-779/600, 8-17=-722/1129, 8-15=-889/630, 9-15=-928/1783, 9-14=-2047/1341, 11-14=-294/397

JOINT STRESS INDEX	2 = 0.88, 3 = 0.34, 4 = 0.77, 5 = 0.33, 6 = 0.59, 7 = 0.69, 8 = 0.83, 9 = 0.82, 10 = 0.28, 11 = 0.34, 12 = 0.76, 14 = 0.28, 15 = 0.74, 16 = 0.24, 17 = 0.58, 18 = 0.57, 19 = 0.87 and 20 = 0.38
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- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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.
 - Provide adequate drainage to prevent water ponding.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 746 lb uplift at joint 2, 1041 lb uplift at joint 14 and 341 lb uplift at joint 12.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105064
L129810	T15	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21 23 2005 Page 1		

-2-0-0	7-2-5	13-10-3	20-6-0	28-2-0	33-8-0	37-8-4	41-9-14	46-6-0	48-6-0
2-0-0	7-2-5	6-7-13	6-7-13	7-8-0	5-6-0	4-0-4	4-1-10	4-8-2	2-0-0
Scale = 1/8" = 1'-0"									

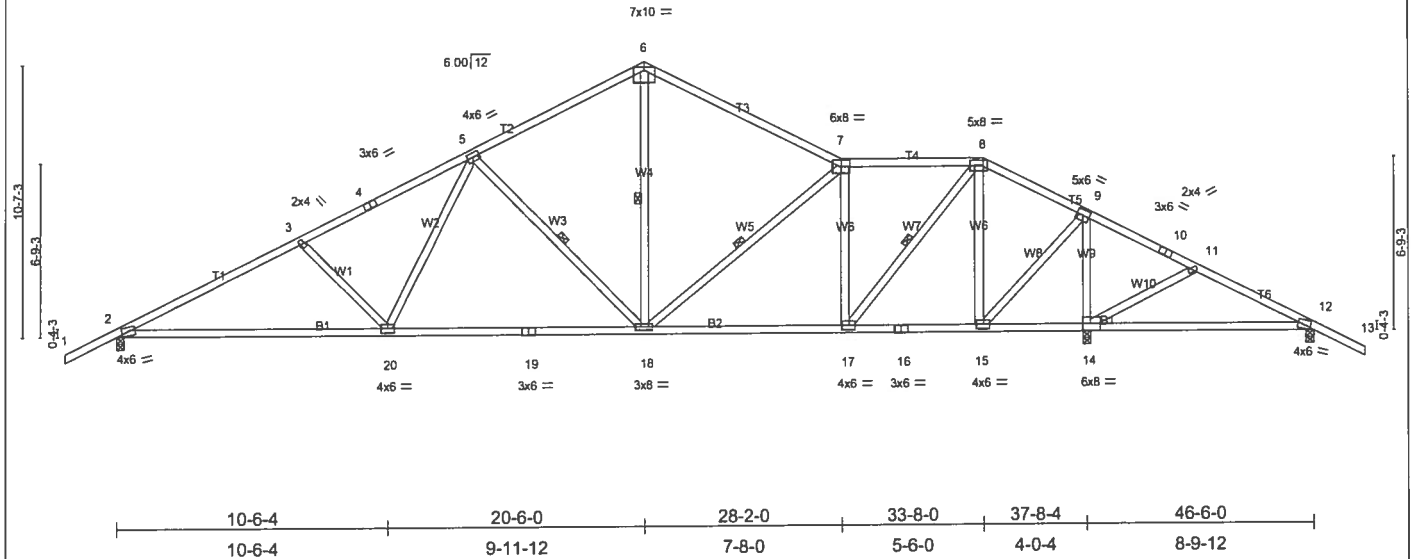


Plate Offsets (X,Y): [2:0-3-1,0-0-11], [8:0-6-0,0-2-8], [12:0-1-13,Edge], [14:0-3-8,0-3-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.72	Vert(LL) 0.22 12-14 >468 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.90	Vert(TL) 0.18 12-14 >570 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.08 14 n/a n/a		
Weight: 266 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-7-1 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 5-9-2 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 5-18, 6-18, 7-18, 8-17

REACTIONS (lb/size)	2=1588/0-3-8, 14=2498/0-3-8, 12=27/0-3-8
Max Horz 2=-295(load case 6)	
Max Uplift 2=-742(load case 5), 14=-1065(load case 6), 12=-321(load case 6)	
Max Grav 2=1588(load case 1), 14=2498(load case 1), 12=142(load case 8)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD	1-2=0/47, 2-3=-2628/1700, 3-4=-2371/1569, 4-5=-2284/1584, 5-6=-1476/1157, 6-7=-1491/1141, 7-8=-1286/1008, 8-9=450/390, 9-10=490/1000, 10-11=505/907, 11-12=-277/715, 12-13=0/47
BOT CHORD	2-20=-1281/2289, 19-20=807/1761, 18-19=807/1761, 17-18=484/1307, 16-17=-3/332, 15-16=-3/332, 14-15=-852/774, 12-14=-570/398
WEBS	3-20=-355/486, 5-20=-320/653, 5-18=-759/676, 6-18=-556/846, 7-18=-222/287, 7-17=-953/777, 8-17=-971/1496, 8-15=-1207/780, 9-15=-934/1771, 9-14=-2112/1333, 11-14=-320/427

JOINT STRESS INDEX	2 = 0.87, 3 = 0.34, 4 = 0.78, 5 = 0.33, 6 = 0.98, 7 = 0.80, 8 = 0.66, 9 = 0.68, 10 = 0.32, 11 = 0.34, 12 = 0.74, 14 = 0.29, 15 = 0.80, 16 = 0.18, 17 = 0.72, 18 = 0.57, 19 = 0.84 and 20 = 0.38
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- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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.
 - Provide adequate drainage to prevent water ponding.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 742 lb uplift at joint 2, 1065 lb uplift at joint 14 and 321 lb uplift at joint 12.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105065
L129810	T16	SPECIAL	1	1	
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		
6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:23 2005 Page 1					

4-7-15	9-2-1	13-8-4	18-2-7	22-8-9	27-4-8	31-8-0	34-8-8	36-8-8
4-7-15	4-6-3	4-6-3	4-6-3	4-6-3	4-7-15	4-3-8	3-0-8	2-0-0
Scale 3/16"=1'								

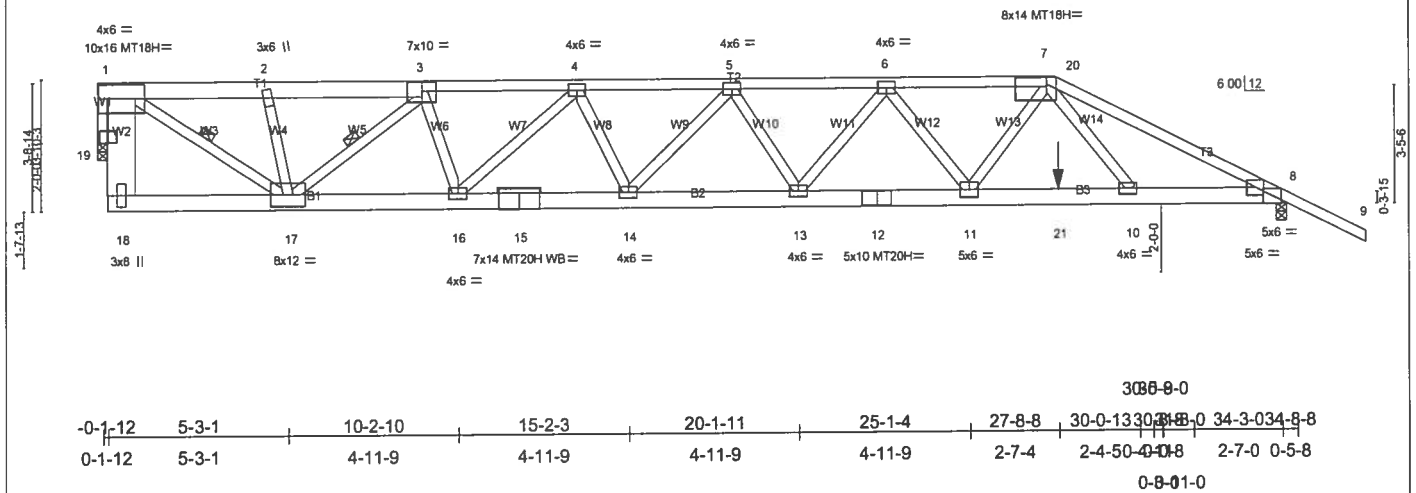


Plate Offsets (X,Y): [1:0-3-8-0-5-0], [3:0-5-0-0-3-4], [7:0-10-12-0-2-4], [8:0-2-3-0-0-0], [8:0-8-4-0-3-0]											
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES GRIP			
TCLL	20.0	Plates Increase	1.25	TC	0.84	in (lac)	l/defl	L/d	MT20	244/190	
TCCL	7.0	Lumber Increase	1.25	BC	1.00	Vert(LL)	0.57 13-14	>718	240		
BCLL	10.0	Rep Stress Incr	NO	WB	0.84	Vert(TL)	-0.89 13-14	>457	180	MT20H	187/143
BCCL	5.0	Code FBC2004/TPI2002		(Matrix)		Horz(TL)	0.06 8	n/a	n/a	MT18H	244/190
Weight: 228 lb											

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D *Except*	TOP CHORD Structural wood sheathing directly applied or 1-10-10 oc purlins, except end verticals.
T1 2 X 6 SYP No.1D	
BOT CHORD 2 X 6 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 3-11-9 oc bracing.
WEBS 2 X 4 SYP No.3 *Except*	WEBS 1 Row at midpt 1-17, 3-17
W2 2 X 10 SYP No.2, W3 2 X 4 SYP No.2D	

REACTIONS (lb/size) 8=3083/0-3-8, 19=3181/0-3-8
Max Horz 19=-279(load case 5)
Max Uplift 8=-1594(load case 5), 19=-1820(load case 2)

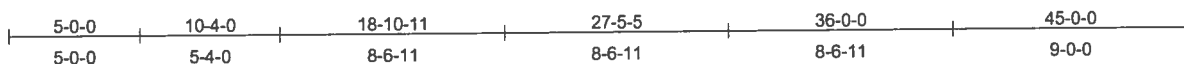
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 18-19=-12/232, 1-19=-2872/1745, 7-20=-6005/3338, 8-20=-6179/3336, 8-9=0/59, 1-2=-4053/2387, 2-3=-3970/2294, 3-4=-6596/3772, 4-5=-7816/4445, 5-6=-7749/4384, 6-7=-6435/3616
BOT CHORD 17-18=-62/167, 16-17=-3453/6185, 15-16=-4244/7593, 14-15=-4244/7593, 13-14=-4439/7962, 12-13=-4048/7287, 11-12=-4048/7287, 11-21=-2799/5182, 10-21=-2799/5182, 8-10=-2895/5467
WEBS 1-17=-2775/4839, 2-17=-411/467, 3-17=-2922/1715, 3-16=-571/1362, 4-16=-1393/867, 4-14=-119/550, 5-14=-218/220, 5-13=-445/417, 6-13=-303/783, 6-11=-1535/1019, 7-11=-1197/2317, 7-10=-164/518

JOINT STRESS INDEX
1 = 0.90, 2 = 0.16, 3 = 0.84, 4 = 0.36, 5 = 0.29, 6 = 0.40, 7 = 0.73, 8 = 0.83, 8 = 0.76, 10 = 0.18, 11 = 0.85, 12 = 0.95, 13 = 0.36, 14 = 0.32, 15 = 0.92, 16 = 0.88, 17 = 0.91, 18 = 0.80, 19 = 0.00 and 19 = 0.62

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 120mph (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.
 - Provide adequate drainage to prevent water ponding.
 - All plates are MT20 plates unless otherwise indicated.
 - The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 1.
 - Bearing at joint(s) 19 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1594 lb uplift at joint 8 and 1820 lb uplift at joint 19.
 - Girder carries hip end with 7-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 348 lb up at 27-8-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 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 (psf)
Vert: 7-20=-118(F=-64), 9-20=-54, 18-21=-65(F=-35), 8-21=-30, 1-7=-118(F=-64)
Concentrated Loads (lb)
Vert: 21=539(F)

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549



LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2D	TOP CHORD	Structural wood sheathing directly applied or 3-11-10 oc purlins.
BOT CHORD	2 X 4 SYP No.2D "Except"	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
	B3 2 X 4 SYP No.3	WEBS	1 Row at midpt 5-20
WEBS	2 X 4 SYP No.3		

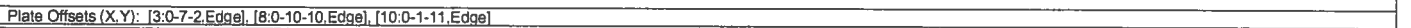
FORCES (lb) - Maximum Compression/Maximum Tension	1-2=0/47, 2-3=-261/513, 9-10=-2239/1257, 10-11=-2441/1400, 11-12=0/47, 3-4=-670/1635, 4-5=-256/778, 5-6=-1520/976, 6-7=-1520/976,
TOP CHORD	7-8=-2431/1423, 8-9=-1998/1212
BOT CHORD	2-24=-431/451, 23-24=-423/455, 21-23=-772/625, 20-21=-806/632, 18-20=0/173, 4-20=-469/1128, 19-22=0/0, 18-19=0/0, 17-18=-12/63, 16-17=-949/2143, 15-16=-949/2143, 14-15=-1083/2454, 13-14=-1083/2454, 11-13=-1043/2128
WEBS	3-24=0/130, 3-23=-1443/687, 17-20=-558/1229, 5-20=-2188/1211, 5-17=-226/620, 7-17=-905/541, 7-15=-106/415, 8-15=-53/137, 8-13=-649/421, 9-13=-255/674, 10-13=-173/271, 4-23=-1694/872, 19-21=-30/0

JOINT STRESS INDEX
2 = 0.30, 3 = 0.70, 4 = 0.57, 5 = 0.67, 6 = 0.44, 7 = 0.27, 8 = 0.32, 9 = 0.91, 10 = 0.34, 11 = 0.87, 13 = 0.57, 14 = 1.00, 15 = 0.32, 16 = 0.88, 17 = 0.87, 18 = 0.33, 19 = 0.34, 20 = 0.71, 21 = 0.34, 23 = 0.34 and 24 = 0.34

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCFL=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 253 lb uplift at joint 2, 1042 lb uplift at joint 23 and 613 lb uplift at joint 11.

LOAD CASE(S) Standard

**SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**



Weight: 251 lb

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-9-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-19, 7-16, 7-12

(lb/size) 2=120/0-3-8, 22=2415/0-3-8, 10=1461/0-3-8
 Max Horz 2=-244(load case 6)
 Max Uplift 2=-262(load case 5), 22=-985(load case 4), 10=-646(load case 6)
 Max Grav 2=158(load case 7), 22=2415(load case 1), 10=1464(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-309/698, 3-4=-422/1201, 4-5=-122/561, 5-6=-1184/866, 6-7=-1184/866, 7-8=-1841/1188, 8-9=-2089/1220, 9-10=-2377/1428
10-11=0/47
BOT CHORD 1-2=-598/533, 22-23=-589/540, 20-22=-608/618, 19-20=-635/611, 17-19=0/153, 4-9=-437/1150, 18-21=0/0, 16-17=-4/41,
15-16=-810/1992, 14-15=-810/1992, 13-14=-810/1992, 12-13=-810/1992, 10-12=-1056/2076
WEBS 3-23=0/187, 3-22=-1065/535, 16-19=-487/1201, 5-19=-1916/1079, 5-16=-108/427, 7-16=-988/503, 7-14=0/210, 7-12=-321/272,
8-12=-177/544, 9-12=-282/386, 18-20=-24/1, 4-22=-1558/708

JOINT STRESS INDEX
 2 = 0.32, 3 = 0.92, 4 = 0.63, 5 = 0.50, 6 = 0.49, 7 = 0.57, 8 = 0.69, 9 = 0.34, 10 = 0.76, 12 = 0.57, 13 = 0.99, 14 = 0.34, 15 = 0.74, 16 = 0.56, 17 = 0.78, 18 = 0.34, 19 = 0.87, 20 = 0.34, 22 = 0.36 and 23 = 0.34

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 120mph (3-second gust); =20ft; TCDF=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 262 lb uplift at joint 2, 985 lb uplift at joint 22 and 646 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L129810	Truss T19	Truss Type HIP	Qty 1	Ply 1	Dwg.#090105068
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc Wed Aug 31 11:21:26 2005 Page 1		

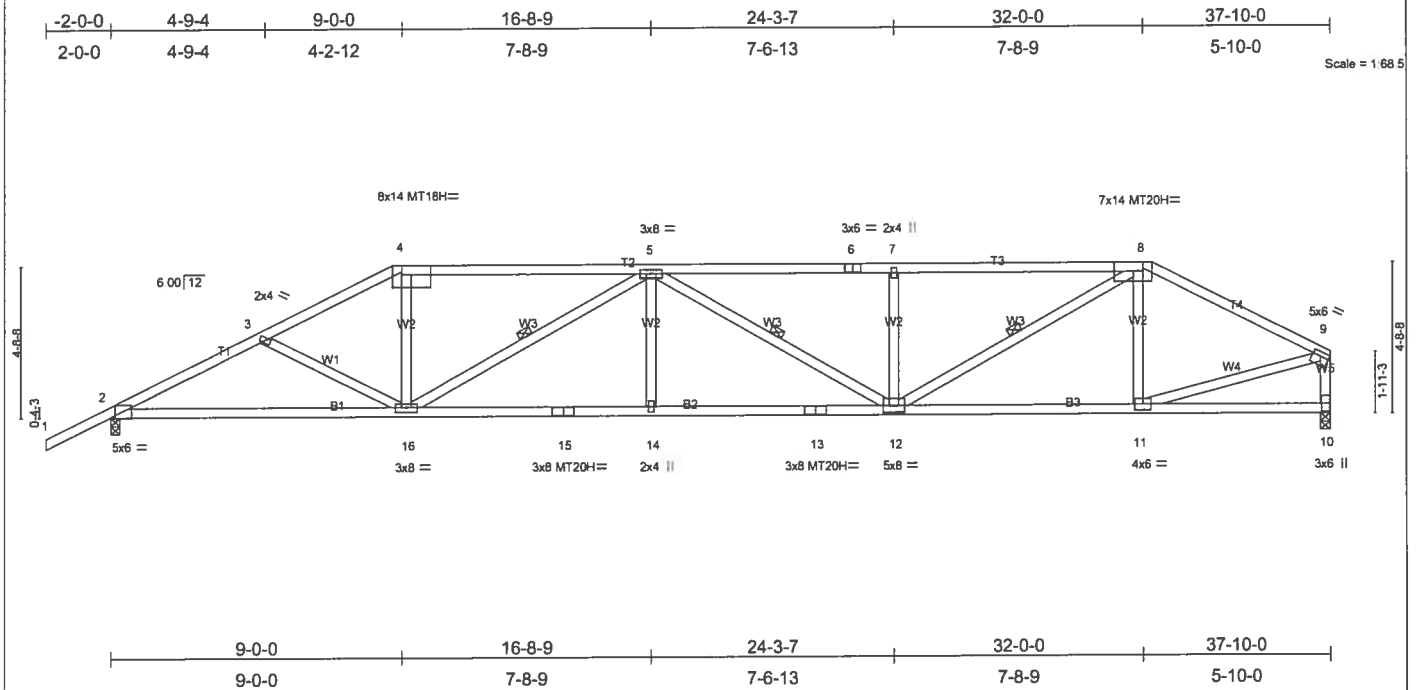


Plate Offsets (X,Y): [2:0-1-11,Edge], [4:0-10-10,Edge], [8:0-7-0,0-3-7], [9 Edge,0-1-12]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.45	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.76	Vert(LL) -0.33 12-14 >999 240	MT20H	187/143
BCLL 10.0	Rep Stress Incr YES	WB 0.55	Vert(TL) -0.54 12-14 >836 180	MT18H	244/190
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.14 10 n/a n/a	Weight: 198 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-3-10 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 4-11-12 oc bracing.
WEBS 2 X 4 SYP No.3 "Except"	WEBS 1 Row at midpt 5-16, 5-12, 8-12
W5 2 X 4 SYP No.2D	

REACTIONS (lb/size) 2=1696/0-3-8, 10=1573/0-3-8
Max Horz 2=233(load case 5)
Max Uplift 2=-644(load case 5), 10=-602(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2927/1619, 3-4=-2752/1494, 4-5=-2472/1433, 5-6=-3157/1765, 6-7=-3157/1765, 7-8=-3159/1767, 8-9=-2043/1106, 9-10=-1489/872
BOT CHORD 2-16=-1445/2557, 15-16=-1701/3374, 14-15=-1701/3374, 13-14=-1701/3374, 12-13=-1701/3374, 11-12=-884/1773, 10-11=-110/121
WEBS 3-16=-129/240, 4-16=-319/851, 5-16=-1127/599, 5-14=0/214, 5-12=-282/145, 7-12=-452/379, 8-12=-800/1648, 8-11=-282/276, 9-11=-815/1730

JOINT STRESS INDEX
2 = 0.74, 3 = 0.34, 4 = 0.71, 5 = 0.57, 6 = 0.63, 7 = 0.34, 8 = 0.80, 9 = 0.73, 10 = 0.34, 11 = 0.69, 12 = 0.76, 13 = 0.89, 14 = 0.34, 15 = 0.89 and 16 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 644 lb uplift at joint 2 and 602 lb uplift at joint 10.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105069
L129810	T20	HIP	1	1	

Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:26 2005 Page 1

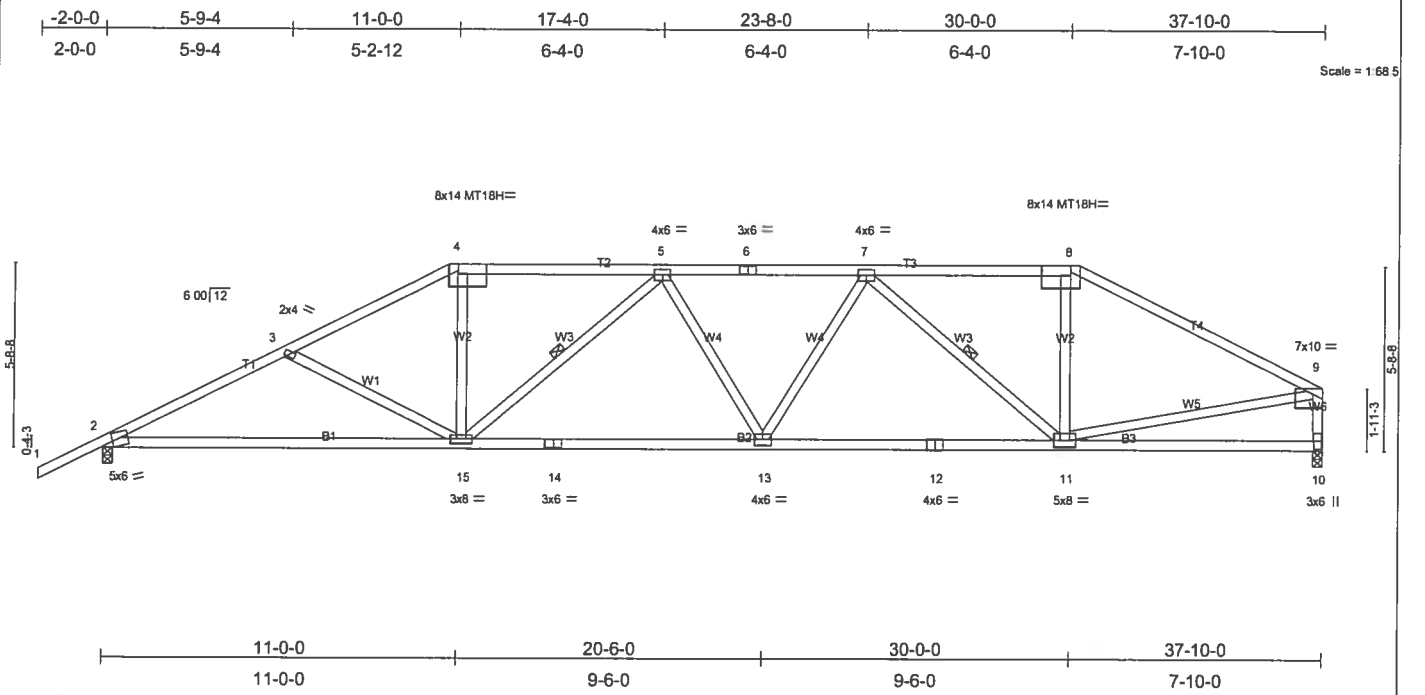


Plate Offsets (X,Y): [2-0-3-13,Edge], [4-0-10-10,Edge], [8-0-10-10,Edge], [9-0-3-8,Edge]															
LOADING (psf)		SPACING		2-0-0		CSI		DEFL		in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plates Increase		1.25		TC 0.59		Vert(LL)		-0.37 2-15 >999 240		MT20		244/190	
TCDL	7.0	Lumber Increase		1.25		BC 0.77		Vert(TL)		-0.63 2-15 >716 180		MT18H		244/190	
BCLL	10.0	Rep Stress Incr		YES		WB 0.78		Horz(TL)		0.12 10 n/a n/a					
BCDL	5.0	Code FBC2004/TPI2002				(Matrix)								Weight: 199 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-4-10 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 5-4-1 oc bracing.
WEBS 2 X 4 SYP No.3 *Except* W6 2 X 4 SYP No.2D	WEBS 1 Row at midpt 5-15, 7-11

REACTIONS (lb/size) 2=1696/0-3-8, 10=1573/0-3-8
Max Horz 2=257(load case 5)
Max Uplift 2=676(load case 5), 10=544(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2885/1671, 3-4=-2597/1459, 4-5=-2300/1403, 5-6=-2720/1586, 6-7=-2720/1586, 7-8=-1853/1178, 8-9=-2141/1183, 9-10=-1459/905
BOT CHORD 2-15=-1482/2527, 14-15=-1388/2722, 13-14=-1388/2722, 12-13=-1297/2559, 11-12=-1297/2559, 10-11=-228/249
WEBS 3-15=-283/392, 4-15=-327/822, 5-15=-664/417, 5-13=-32/120, 7-13=-61/348, 7-11=-1021/532, 8-11=-159/607, 9-11=-702/1624

JOINT STRESS INDEX
2 = 0.88, 3 = 0.34, 4 = 0.61, 5 = 0.30, 6 = 0.69, 7 = 0.30, 8 = 0.84, 9 = 0.60, 10 = 0.55, 11 = 0.78, 12 = 0.95, 13 = 0.30, 14 = 0.93 and 15 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 676 lb uplift at joint 2 and 544 lb uplift at joint 10.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105070
L129810	T21	SPECIAL	1	1	

Builders FirstSource, Lake City, FL 32055

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2-0-0	4-8-5	8-10-3	13-0-0	18-0-9	22-11-7	28-0-0	32-0-4	36-0-8	39-5-12	41-6-8	46-6-0	48-6-0
2-0-0	4-8-5	4-1-13	4-1-13	5-0-9	4-10-13	5-0-9	4-0-4	4-0-4	3-5-4	2-0-12	4-11-8	2-0-0

Scale = 1/8" = 1'-0"

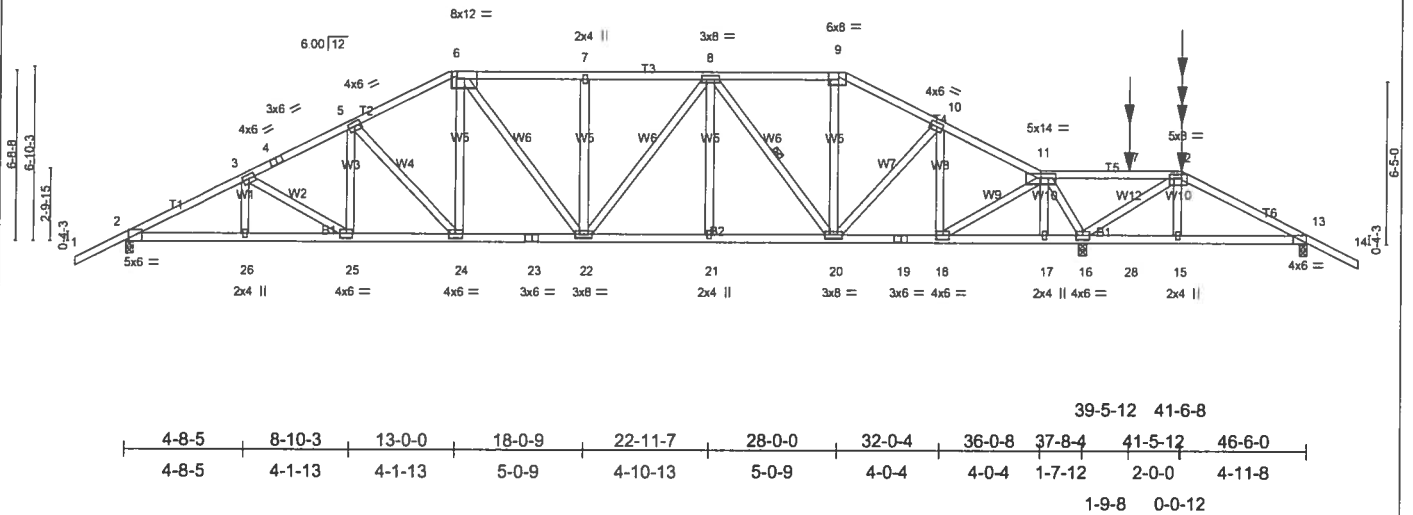


Plate Offsets (X,Y): [2-0-11,Edge], [9-0-4-10,Edge], [12-0-5-8-0-2-4]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	L/defl	L/d	PLATES	GRIP
TCCL 20.0	Plates Increase	1.25	TC 0.48	Vert(LL)	-0.16 22-24	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.52	Vert(TL)	-0.26 22-24	>999	180		
BCCL 10.0	Rep Stress Incr	NO	WB 0.60	Horz(TL)	0.09 16	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 284 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-9-12 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 8-20

REACTIONS (lb/size) 2=1589/0-3-8, 16=2732/0-3-8, 13=184/0-3-8
Max Horz 2=378(load case 4)
Max Uplift 2=492(load case 4), 16=-414(load case 4), 13=-256(load case 5)
Max Grav 2=1589(load case 1), 16=2732(load case 1), 13=229(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2794/489, 3-4=-2459/406, 4-5=-2410/420, 5-6=-2100/302, 9-10=-1505/22, 10-11=-1110/0, 11-27=-169/1563,
12-27=-169/1563, 12-13=0/436, 13-14=0/47, 6-7=-2021/190, 7-8=-2019/189, 8-9=-1330/22
BOT CHORD 2-26=-656/2422, 25-26=-656/2422, 24-25=-488/2155, 23-24=-268/1860, 22-23=-268/1860, 21-22=-43/1839, 20-21=-43/1839, 19-20=0/938,
18-19=0/938, 17-18=-515/175, 16-17=-512/178, 16-28=-384/0, 15-28=-384/0, 13-15=-375/0
WEBS 3-26=0/126, 3-25=-310/195, 5-25=-80/284, 5-24=-443/323, 6-24=-203/460, 6-22=0/387, 7-22=-299/0, 8-22=-157/342, 8-21=0/148,
8-20=-894/119, 9-20=-7/391, 10-20=-81/622, 10-18=-753/80, 11-18=-107/1660, 11-17=0/50, 11-16=-2008/20, 12-16=-1607/566,
12-15=-160/259

JOINT STRESS INDEX
2 = 0.70, 3 = 0.30, 4 = 0.33, 5 = 0.30, 6 = 0.71, 7 = 0.34, 8 = 0.58, 9 = 0.42, 10 = 0.33, 11 = 0.55, 12 = 0.79, 13 = 0.24, 15 = 0.34, 16 = 0.55, 17 = 0.34, 18 = 0.68, 19 = 0.34, 20 = 0.62, 21 = 0.34, 22 = 0.58, 23 = 0.68, 24 = 0.26, 25 = 0.25 and 26 = 0.34

- NOTES**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; 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.
 - Provide adequate drainage to prevent water ponding.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 492 lb uplift at joint 2, 414 lb uplift at joint 16 and 256 lb uplift at joint 13.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 83 lb up at 39-5-12, and 262 lb down and 234 lb up at 41-6-8 on top chord, and 41 lb down and 33 lb up at 39-5-12, and 120 lb down and 33 lb up at 41-5-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 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: 1-6=-54, 9-11=-54, 11-12=-54, 12-14=-54, 2-13=-30, 6-9=-54
Concentrated Loads (lb)
Vert: 12=-182(B) 15=-120(B) 27=-48(B) 28=-41(B)

Job	Truss	Truss Type	Qty	Ply	Dwg.#09010507
L129810	T22	SPECIAL	1	1	

Builders FirstSource, Lake City, FL 32055

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2-0-0	7-9-4	15-0-0	20-6-0	26-0-0	30-0-4	34-0-8	39-6-8	46-6-0	48-6-0
2-0-0	7-9-4	7-2-12	5-6-0	5-6-0	4-0-4	4-0-4	5-6-0	6-11-8	2-0-0

Scale = 1/8" = 1'-0"

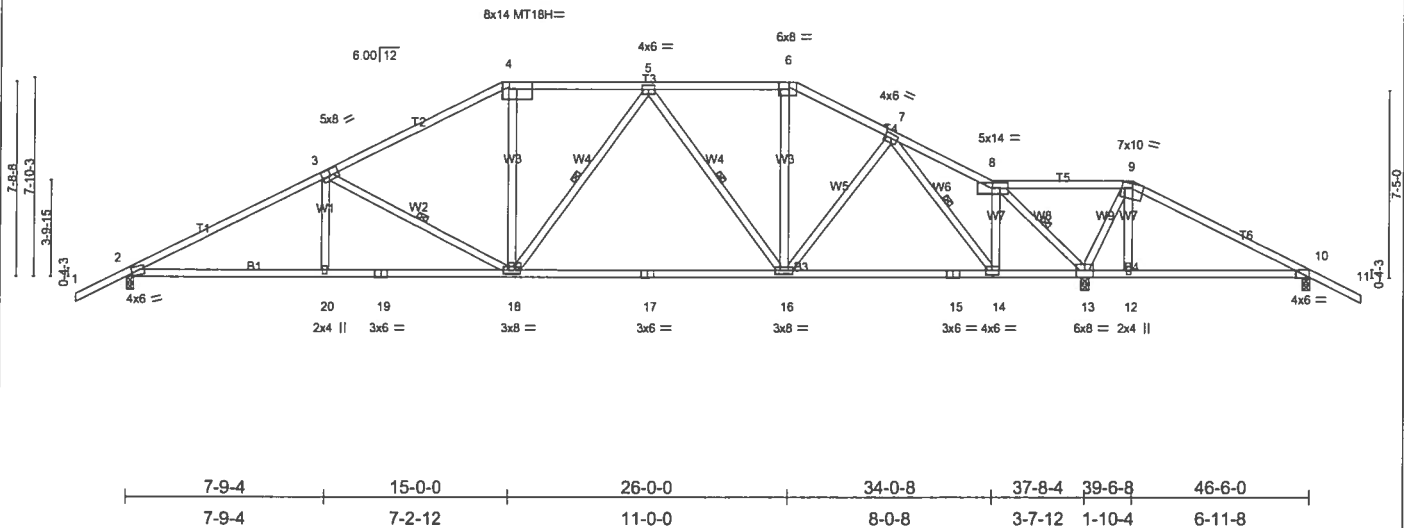


Plate Offsets (X,Y): [2-0-3-1-0-0-11], [3-0-4-0-0-3-0], [4-0-10-10-Edge], [6-0-4-10-Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.56	Vert(LL)	-0.33	16-18	>999	240	MT20 244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.74	Vert(TL)	-0.56	16-18	>803	180	MT18H 244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.44	Horz(TL)	0.10	13	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
									Weight: 257 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-6-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-15 oc bracing.
WEBS 1 Row at midpt 3-18, 5-18, 5-16, 7-14, 8-13

REACTIONS

(lb/size) 2=1579/0-3-8, 13=2549/0-3-8, 10=-14/0-3-8
Max Horz 2=-229(load case 6)
Max Uplift 2=-696(load case 5), 13=-1000(load case 6), 10=-321(load case 6)
Max Grav 2=1579(load case 1), 13=2549(load case 1), 10=53(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-2662/1553, 3-4=-1982/1248, 6-7=-1530/1038, 7-8=-483/413, 8-9=-607/1239, 9-10=-352/926, 10-11=0/47, 4-5=-1708/1226, 5-6=-1351/1000
BOT CHORD 2-20=-1142/2292, 19-20=-1142/2292, 18-19=-1142/2292, 17-18=-594/1643, 16-17=-594/1643, 15-16=-365/1094, 14-15=-365/1094, 13-14=-24/426, 12-13=-732/499, 10-12=-741/512
WEBS 3-20=0/228, 3-18=-678/600, 4-18=-194/509, 5-18=-125/172, 5-16=-570/348, 6-16=-194/387, 7-16=-159/496, 7-14=-1237/676, 8-14=-497/1161, 8-13=-2276/1284, 9-13=-1090/955, 9-12=-309/211

JOINT STRESS INDEX

2 = 0.88, 3 = 0.84, 4 = 0.72, 5 = 0.28, 6 = 0.73, 7 = 0.35, 8 = 0.59, 9 = 0.89, 10 = 0.30, 12 = 0.34, 13 = 0.29, 14 = 0.53, 15 = 0.44, 16 = 0.58, 17 = 0.92, 18 = 0.58, 19 = 0.77 and 20 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch 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.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 696 lb uplift at joint 2, 1000 lb uplift at joint 13 and 321 lb uplift at joint 10.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105072
L129810	T23	SPECIAL	1	1	

Builders FirstSource, Lake City, FL 32055

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2-0-0	6-0-5	11-6-3	17-0-0	24-0-0	28-0-4	32-0-8	37-6-8	41-9-0	46-6-0	48-6-0
2-0-0	6-0-5	5-5-13	5-5-13	7-0-0	4-0-4	4-0-4	5-6-0	4-2-8	4-9-0	2-0-0

Scale = 1/8" = 1'-0"

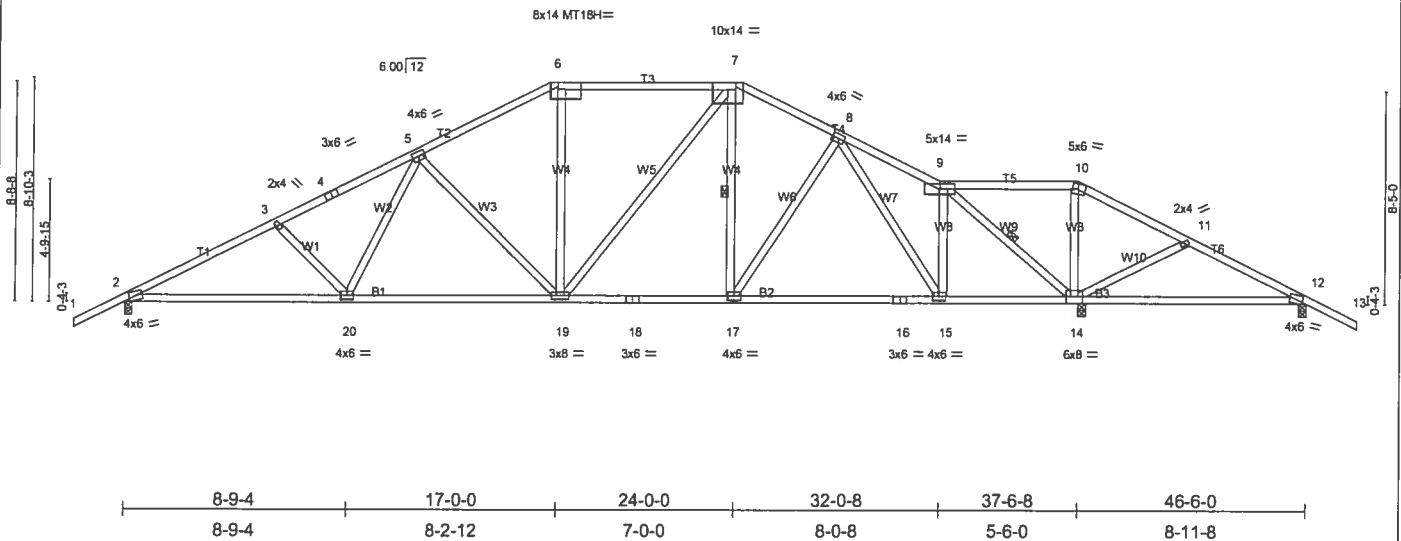


Plate Offsets (X,Y): [2:0-2-13,0-0-11], [6:0-10-10,Edge], [7:0-7-2,Edge], [12:0-1-13,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.42	Vert(LL) 0.27	12-14	>401	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.60	Vert(TL) 0.22	12-14	>490	180	MT18H	244/190
BCLL 10.0	Rep Stress Incr YES	WB 0.85	Horz(TL) 0.09	14	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						

Weight: 269 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-6 oc bracing.
WEBS 1 Row at midpt 7-17, 9-14

REACTIONS

(lb/size) 2=1548/0-3-8, 14=2621/0-3-8, 12=57/0-3-8
Max Horz 2=-252(load case 6)
Max Uplift 2=-704(load case 5), 14=-1083(load case 6), 12=-290(load case 6)
Max Grav 2=1548(load case 1), 14=2621(load case 1), 12=32(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-2624/1598, 3-4=-2403/1498, 4-5=-2332/1511, 5-6=-1678/1175, 7-8=-1407/1032, 8-9=-787/616, 9-10=-494/1052,
10-11=-622/1202, 11-12=-377/911, 12-13=0/47, 6-7=-1461/1143
BOT CHORD 2-20=-1207/2274, 19-20=-842/1861, 18-19=-316/1239, 17-18=-316/1239, 16-17=-318/1083, 15-16=-318/1083, 14-15=-99/679,
12-14=-743/485
WEBS 3-20=-276/380, 5-20=-239/527, 5-19=-584/550, 6-19=-170/355, 7-19=-246/445, 7-17=-92/139, 8-17=-118/389, 8-15=-802/470,
9-15=-294/860, 9-14=-2267/1277, 10-14=-784/532, 11-14=-319/448

JOINT STRESS INDEX

2 = 0.87, 3 = 0.34, 4 = 0.68, 5 = 0.30, 6 = 0.62, 7 = 0.87, 8 = 0.30, 9 = 0.69, 10 = 0.67, 11 = 0.34, 12 = 0.81, 14 = 0.42, 15 = 0.39, 16 = 0.46, 17 = 0.29, 18 = 0.46, 19 = 0.57 and 20 = 0.32

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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 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.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 704 lb uplift at joint 2, 1083 lb uplift at joint 14 and 290 lb uplift at joint 12.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105073
L129810	T24	SPECIAL	1	1	
Builders FirstSource, Lake City, FL 32055					6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Aug 31 11:21:30 2005 Page 1
Job Reference (optional)					

2-0-0	6-8-5	12-10-3	19-0-0	22-0-0	26-0-4	30-0-8	35-6-8	40-9-0	46-6-0	48-6-0
2-0-0	6-8-5	6-1-13	6-1-13	3-0-0	4-0-4	4-0-4	5-6-0	5-2-8	5-9-0	2-0-0

Scale = 1/8" = 1'-0"

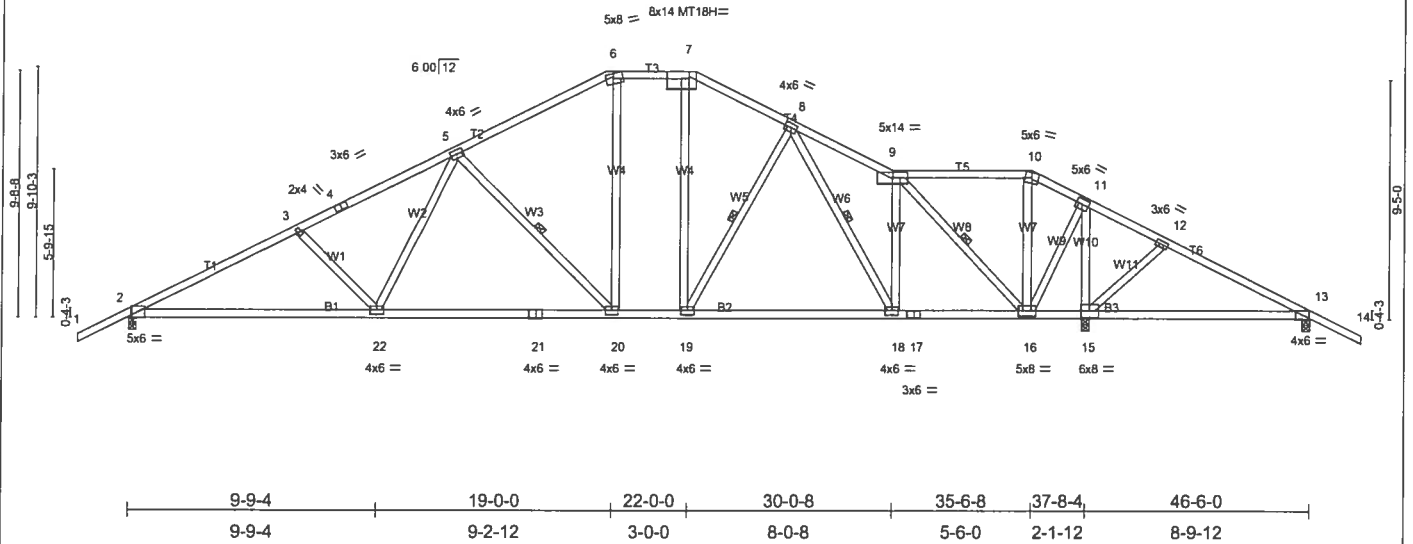


Plate Offsets (X,Y): [2-0-1-11,Edge], [7-0-10-10,Edge], [15-0-3-8,0-3-0]							
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	L/defl	L/d
TCLL 20.0	Plates Increase	1.25	TC 0.49	Vert(LL)	-0.46	20-22	>988
TCDL 7.0	Lumber Increase	1.25	BC 0.81	Vert(TL)	-0.71	20-22	>637
BCLL 10.0	Rep Stress Incr	YES	WB 0.66	Horz(TL)	0.10	15	n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)				
				Weight: 279 lb			

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-7-5 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 5-8-0 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 5-20, 8-19, 8-18, 9-16

REACTIONS (lb/size) 2=1630/0-3-8, 15=2275/0-3-8, 13=209/0-3-8
Max Horz 2=-276(load case 6)
Max Uplift 2=-776(load case 5), 15=-970(load case 6), 13=-152(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2754/1755, 3-4=-2524/1635, 4-5=-2388/1657, 5-6=-1662/1244, 7-8=-1593/1250, 8-9=-1636/1264, 9-10=-312/338,
10-11=-346/328, 11-12=-326/765, 12-13=-255/591, 13-14=0/47, 6-7=-1420/1201
BOT CHORD 2-22=-1335/2398, 21-22=-919/1927, 20-21=-919/1927, 19-20=-451/1420, 18-19=-564/1444, 17-18=-572/1418, 16-17=-572/1418,
15-16=-678/574, 13-15=-453/377
WEBS 3-22=-299/423, 5-22=-289/624, 5-20=-763/678, 6-20=-361/578, 7-19=-277/343, 8-19=-120/250, 8-18=-95/10, 9-18=0/299, 9-16=-1738/1021,
10-16=-256/175, 11-16=-915/1576, 11-15=-1802/1157, 12-15=-306/346

JOINT STRESS INDEX
2 = 0.70, 3 = 0.34, 4 = 0.64, 5 = 0.31, 6 = 0.71, 7 = 0.72, 8 = 0.31, 9 = 0.66, 10 = 0.38, 11 = 0.70, 12 = 0.36, 13 = 0.46, 15 = 0.24, 16 = 0.84, 17 = 0.54, 18 = 0.31, 19 = 0.31, 20 = 0.27, 21 = 0.90 and
22 = 0.36

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 776 lb uplift at joint 2, 970 lb uplift at joint 15 and 152 lb uplift at joint 13.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105074
L129810	T25	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6/20/05 s Jul 13 2005 MiTek Industries, Inc. Wed Aug 31 11:21:31 2005 Page 1		

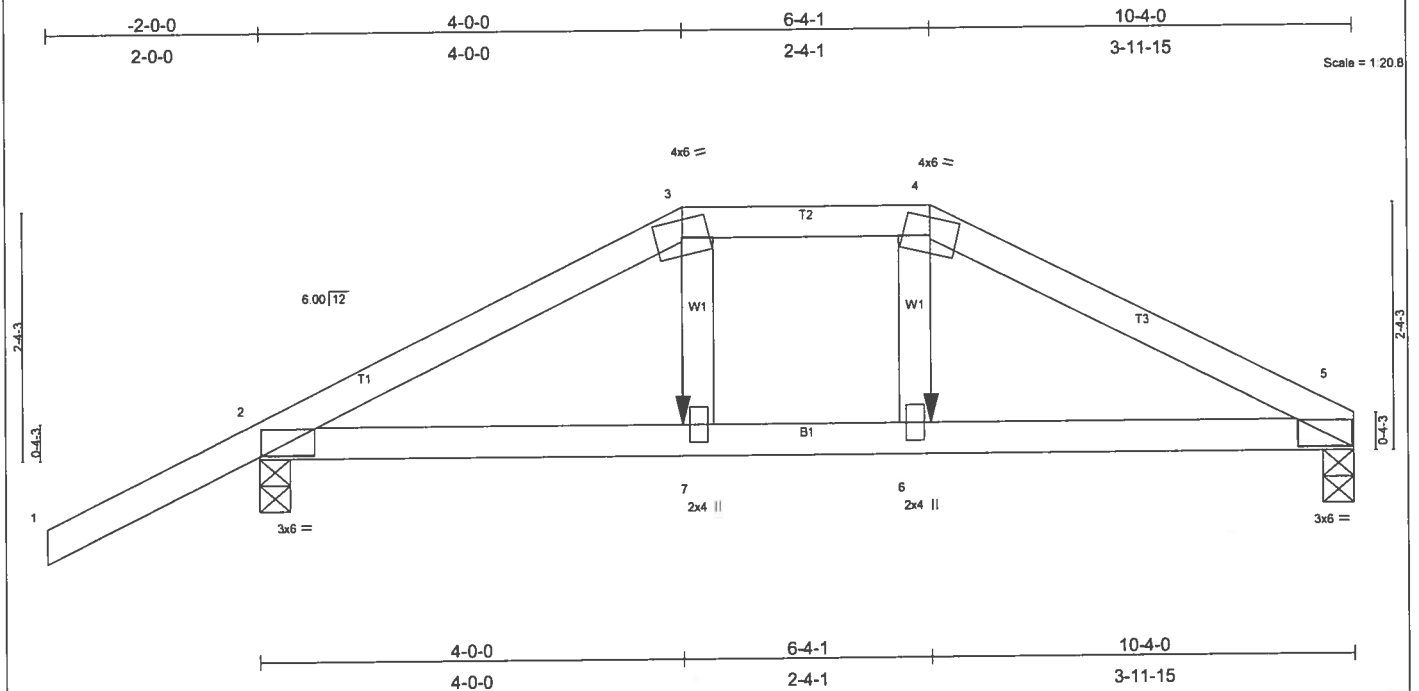


Plate Offsets (X,Y): [2:0-0,0-0-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.26	Vert(LL) 0.03 5-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.09	Vert(TL) -0.05 5-6 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 41 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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) 5=589/0-3-8, 2=730/0-3-8
Max Horz 2=122(load case 4)
Max Uplift 5=266(load case 5), 2=437(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-988/437, 3-4=-844/417, 4-5=-972/414
BOT CHORD 2-7=-337/827, 6-7=-340/844, 5-6=-335/827
WEBS 3-7=-99/279, 4-6=-84/269

JOINT STRESS INDEX

2 = 0.53, 3 = 0.26, 4 = 0.26, 5 = 0.54, 6 = 0.20 and 7 = 0.20

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 266 lb uplift at joint 5 and 437 lb uplift at joint 2.
- Girder carries hip end with 3-11-15 right side setback, 4-0-0 left side setback, and 4-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 140 lb down and 90 lb up at 6-4-1, and 140 lb down and 90 lb up at 4-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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: 1-3=-54, 3-4=-77(F=-23), 4-5=-54, 2-7=-30, 6-7=-43(F=-13), 5-6=-30
Concentrated Loads (lb)
Vert: 7=-140(F) 6=-140(F)

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105075
L129810	T26	COMMON	3	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055					
6 200 s Jul 13 2005 Mitek Industries, Inc. Wed Aug 31 11:21:31 2005 Page 1					

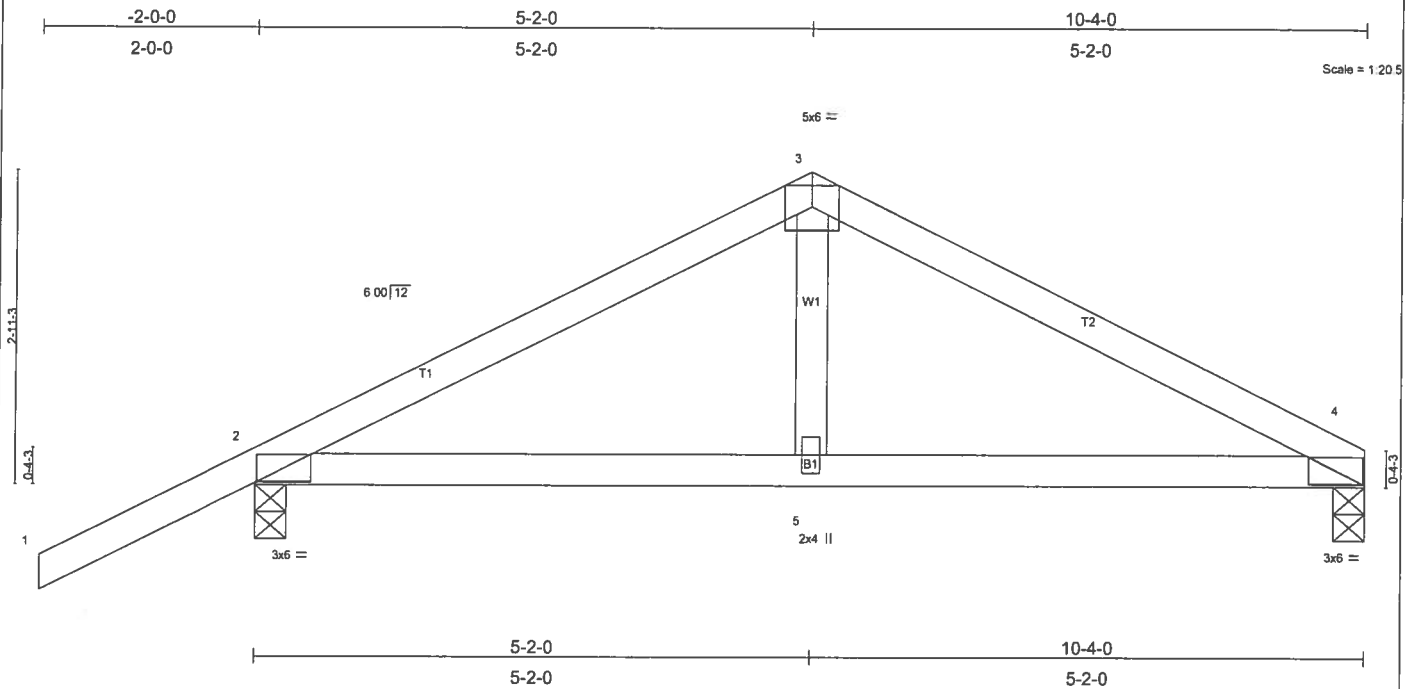


Plate Offsets (X,Y): [2:0-0-0,0-0-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	0.04	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.21	Vert(TL)	-0.05	4-5	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.06	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 40 lb										

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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=409/0-3-8, 2=550/0-3-8
Max Horz 2=136(load case 5)
Max Uplift 4=161(load case 6), 2=331(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=581/423, 3-4=575/412
BOT CHORD 2-5=256/463, 4-5=256/463
WEBS 3-5=0/184

JOINT STRESS INDEX
2 = 0.68, 3 = 0.61, 4 = 0.67 and 5 = 0.13

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-98; 120mph (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 161 lb uplift at joint 4 and 331 lb uplift at joint 2.

LOAD CASE(S) Standard

SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#090105076
L129810	T27	MONO TRUSS	1	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
					6.200 s Jul 13 2005 Mitek Industries, Inc. Wed Aug 31 11:21:32 2005 Page 1

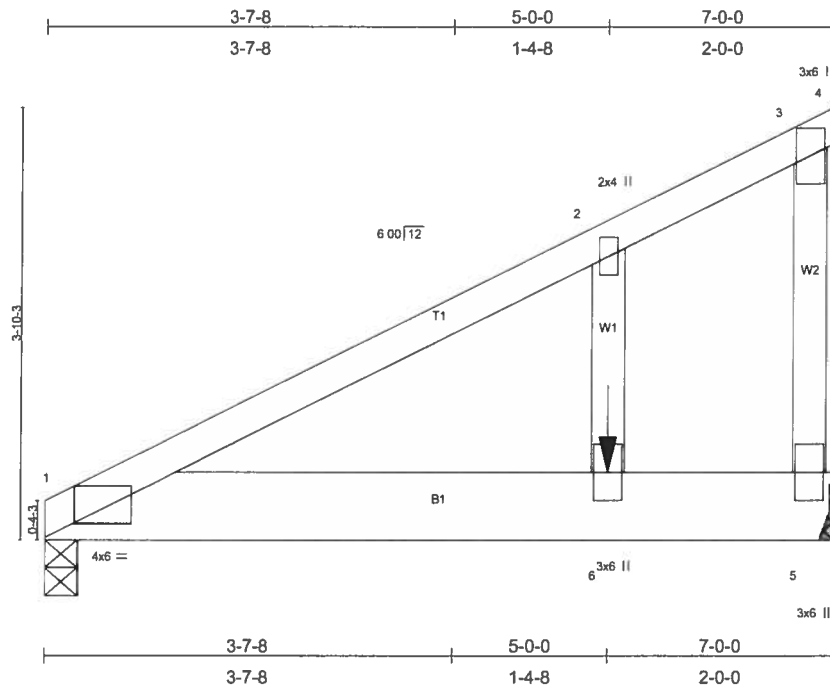


Plate Offsets (X,Y): [1:0-2-4,0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 2-0-0	TC 0.37	Vert(LL)	-0.12	1-6	>673	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.71	Vert(TL)	-0.19	1-6	>421	180		
BCLL 10.0	Rep Stress Incr NO	WB 0.04	Horz(TL)	0.00		n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
									Weight: 41 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-7 oc bracing.

REACTIONS

(lb/size) 1=852/0-3-8, 5=1460/Mechanical
Max Horz 1=185(load case 4)
Max Uplift 1=-364(load case 4), 5=-757(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-129/26, 2-3=-42/50, 3-4=-1/0
BOT CHORD 1-6=0/0, 5-6=0/0
WEBS 2-6=-59/156, 3-5=-125/78

JOINT STRESS INDEX

1 = 0.60, 2 = 0.08, 3 = 0.03, 5 = 0.03 and 6 = 0.05

NOTES

- 1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 364 lb uplift at joint 1 and 757 lb uplift at joint 5.
- 3) Girder carries tie-in span(s): 5-0-0 from 0-0-0 to 5-0-0
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1475 lb down and 711 lb up at 5-0-0 on bottom 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).

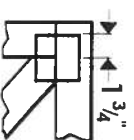
LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-14, 1-6=-87(F=-57), 5-6=-30
Concentrated Loads (lb)
Vert: 6=-1475(F)

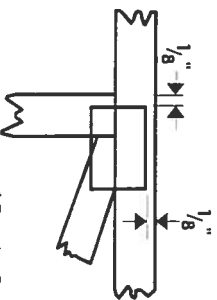
SEPTEMBER 01, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



*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

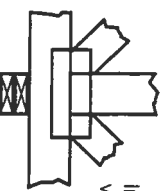
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



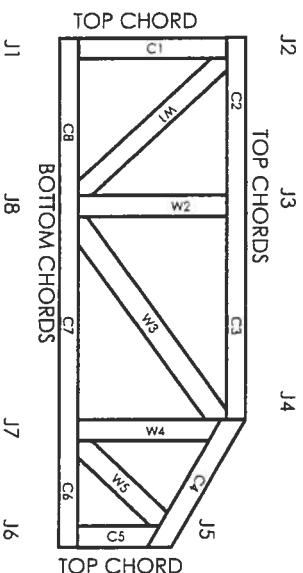
Indicates location of required continuous lateral bracing.

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-N
NER	561



Mittek Engineering Reference Sheet: MIT-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 1/4 panel length ($\pm 6"$ 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.

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