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Licensee Information

Name: ZECHER, BRYAN CHRISTIAN (Primary Name)
BRYAN ZECHER CONSTRUCTION INC (DBA
P O BOX 815
LAKE CITY, Florida 32056
Lic. Location: 465 NW ORANGE ST
LAKE CITY, FL 32055 United States
Columbia

License Information

License Type: Certified Building Contractor
Rank: Cert Building
License Number: CBC054575
Status: Current, Active
Licensure Date: 12/05/1991
Expires: 08/31/2006


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Effective Date

Bldg Code Core Course Credit

 Qualified Business License
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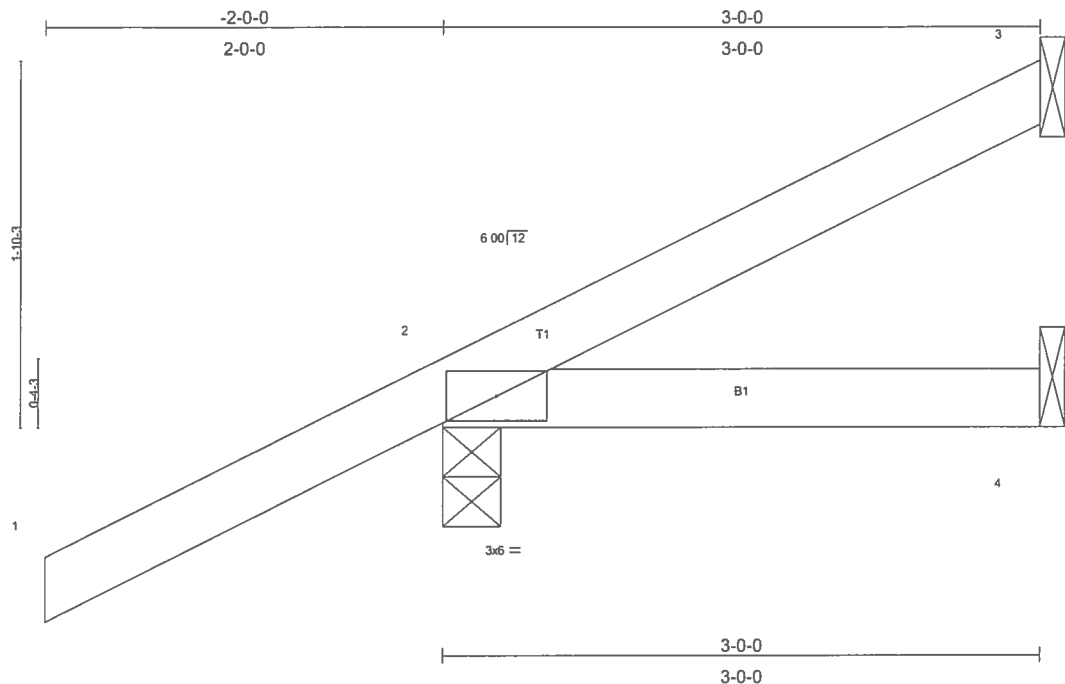
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Job L167158	Truss CJ3	Truss Type MONO TRUSS	Qty 10	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:52 2006 Page 1		



Scale = 1/11

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vert(LL) -0.00 2-4 >999 240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL) -0.01 2-4 >999 180			
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a			
BCDL 5.0	Code FBC2004/TP12002	(Matrix)				Weight: 13 lb

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical

Max Horz 2=132(load case 5)

Max Uplift 3=-28(load case 6), 2=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-57/7

BOT CHORD 2-4=0/0

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L167158	Truss CJ3A	Truss Type MONO SCISSOR	Qty 4	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 Mittek Industries, Inc. Tue May 30 16:48:53 2006 Page 1

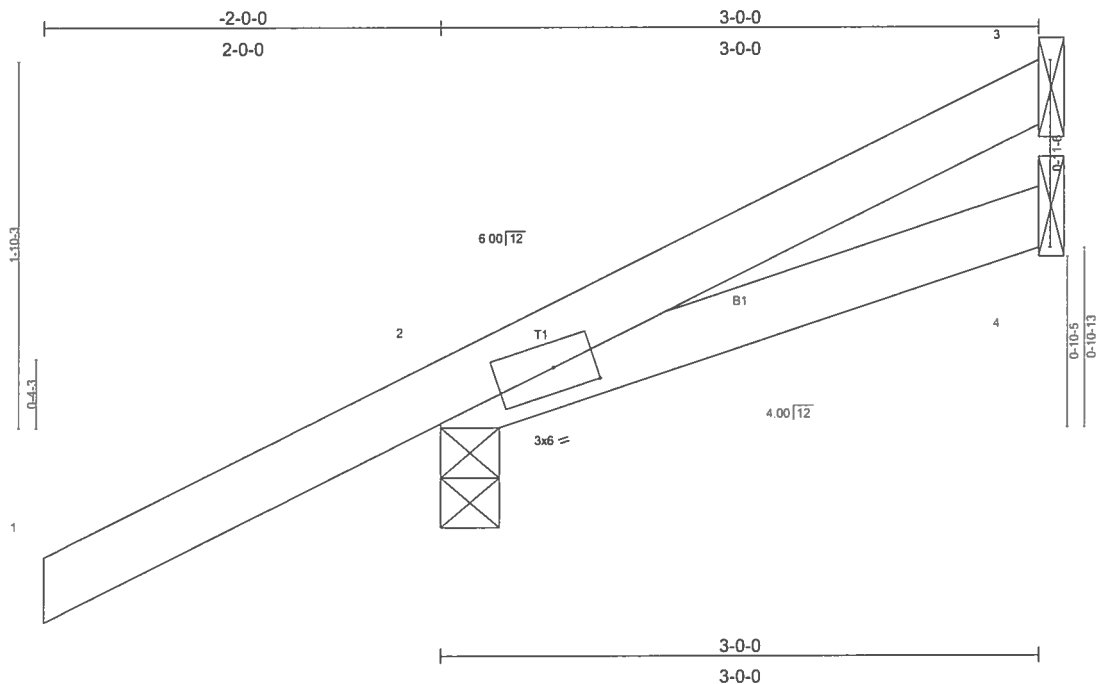


Plate Offsets (X,Y): [2-0-2-8,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purins.
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=131(load case 5)

Max Uplift 3=-29(load case 6), 2=-201(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-58/8

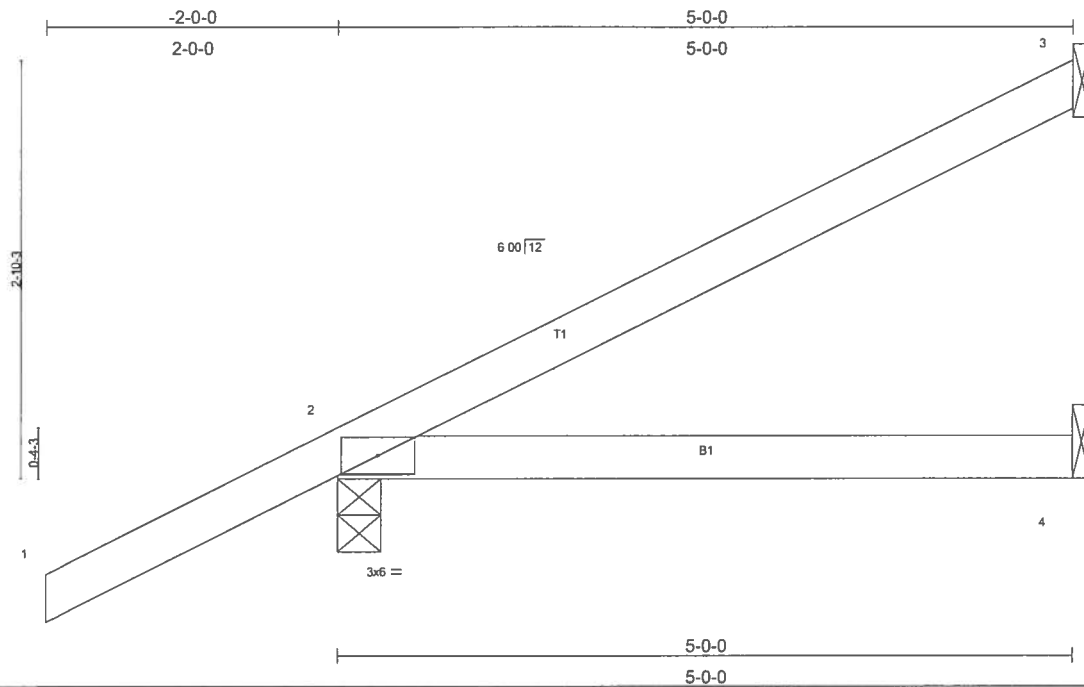
BOT CHORD 2-4=-11/11

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 3 and 201 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L167158	Truss CJ5	Truss Type MONO TRUSS	Qty 6	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Tue May 30 16:48:53 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(LL) -0.03 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.05 2-4 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift 3=87(load case 5), 2=-199(load case 5)

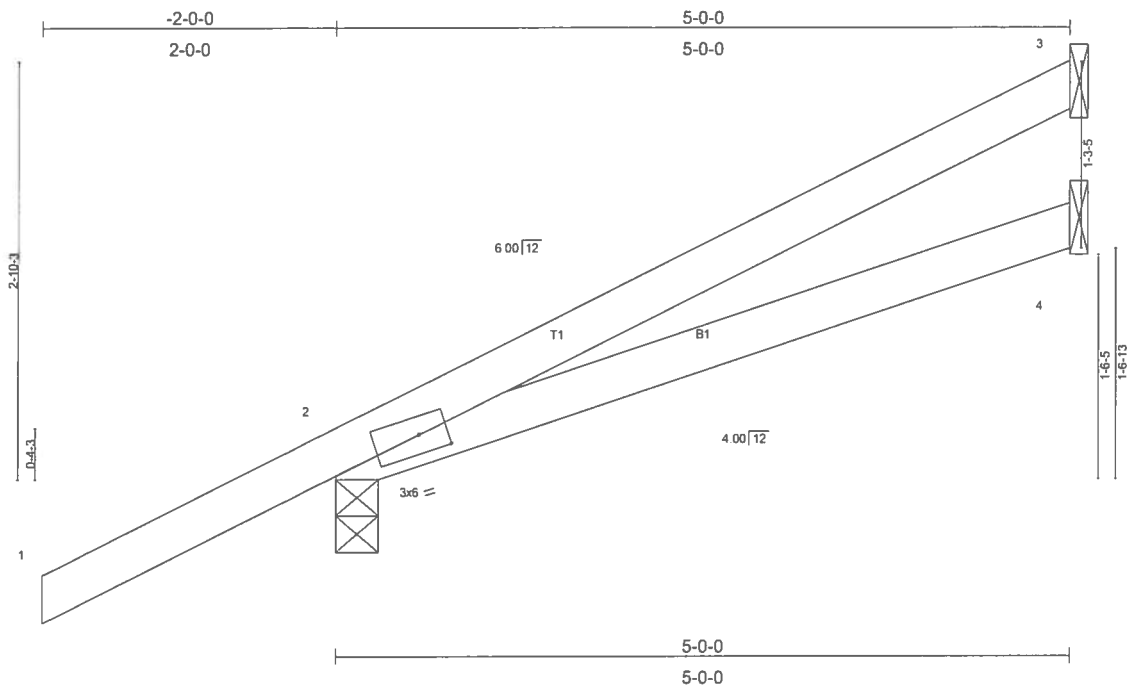
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L167158	Truss CJ5A	Truss Type MONO SCISSOR	Qty 2	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:54 2006 Page 1



Scale = 1/150

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 20 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=177(load case 5)
Max Uplift 3=-89(load case 5), 2=-198(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-90/36
BOT CHORD 2-4=-18/18

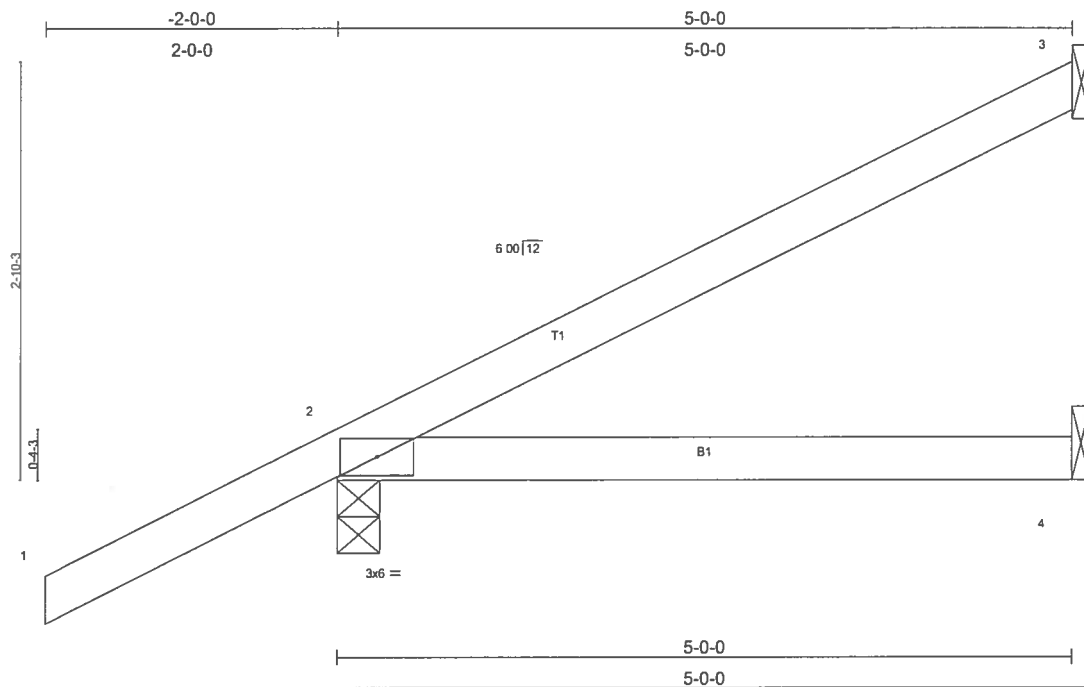
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 3 and 198 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BRYAN ZECHER- SAMUEL MASTER
L167158	EJ5	MONO TRUSS	2	1	Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:54 2006 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	Vert(LL) -0.03 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.16	Vert(TL) -0.05 2-4 >999 180		
BCLL 10.0	Rep Stress incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-87(load case 5), 2=-199(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-88/36
 BOT CHORD 2-4=0/0

NOTES

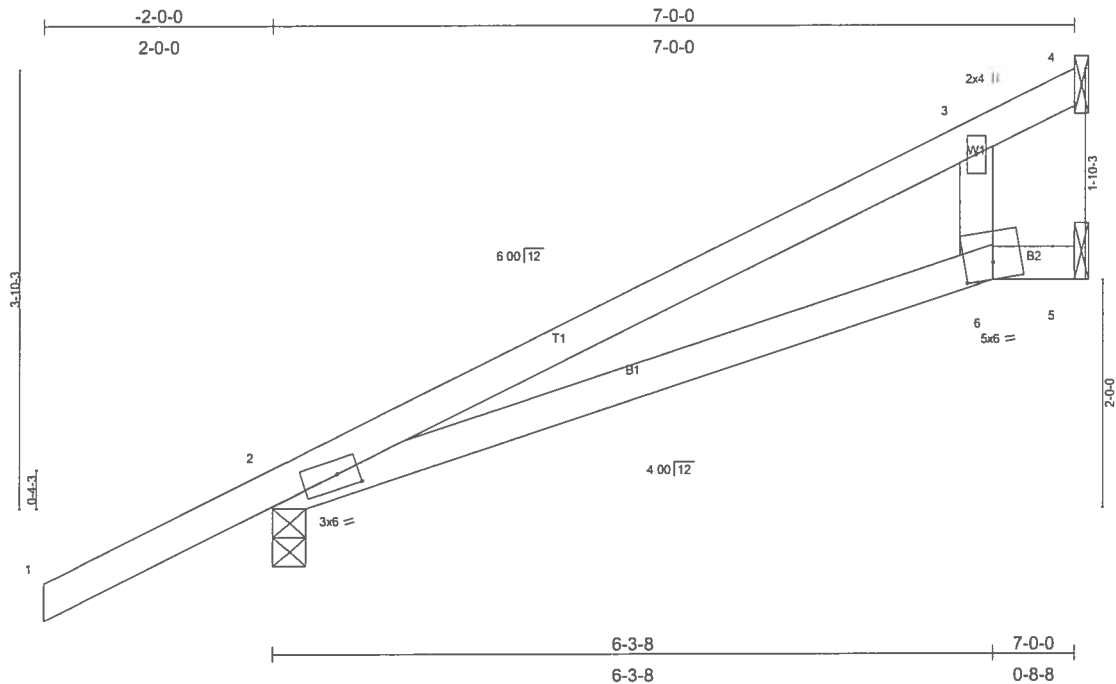
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); $h=20ft$; $TCDL=4.2psf$; $BCDL=3.0psf$; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

LOAD CASE(S) Standard

**MAY 30, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

Job L167158	Truss EJ7A	Truss Type SPECIAL	Qty 8	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:55 2006 Page 1



Scale = 1/19.3

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.38	Vert(LL)	-0.15	2-6	>554	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.40	Vert(TL)	-0.24	2-6	>338	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.08	Horz(TL)	0.03	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002							Weight: 28 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=39/Mechanical, 2=419/0-3-8, 5=228/Mechanical

Max Horz 2=223(load case 5)
 Max Uplift 2=-209(load case 5), 5=-179(load case 5)
 Max Grav 4=52(load case 5), 2=419(load case 1), 5=228(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

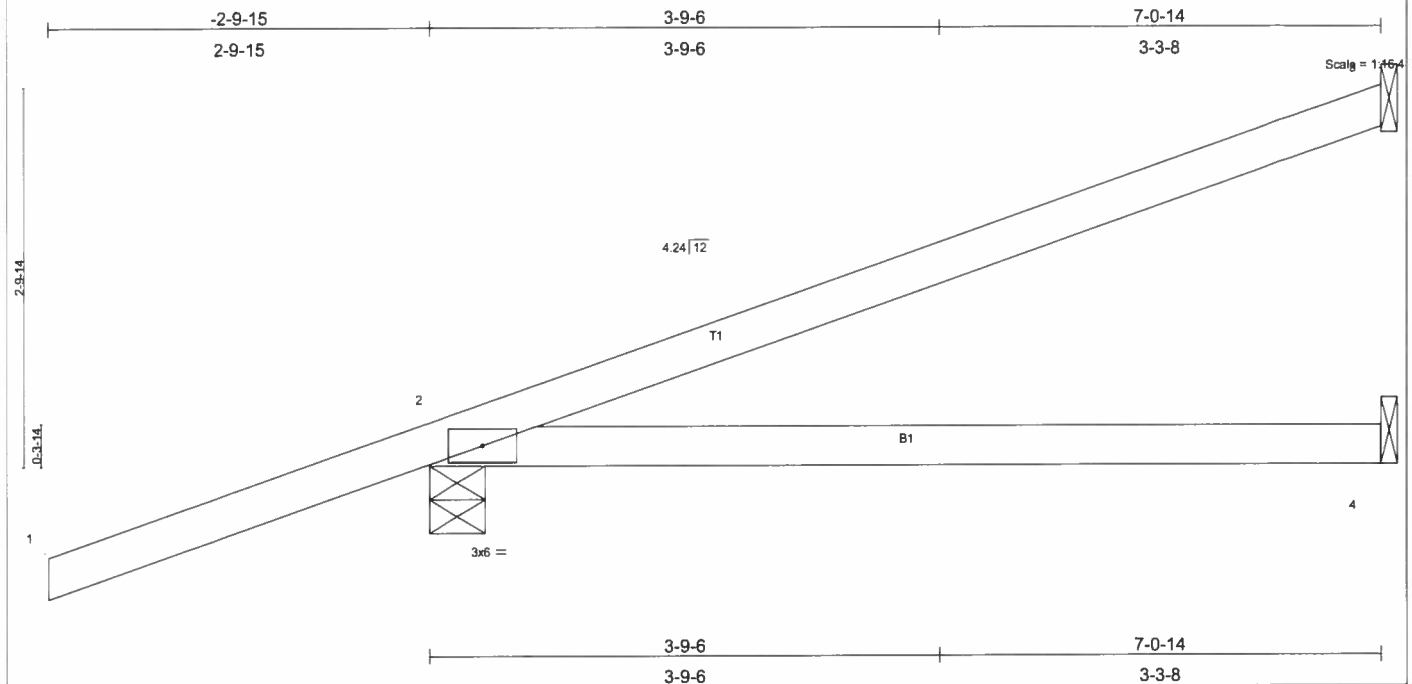
TOP CHORD 1-2=0/46, 2-3=-104/32, 3-4=0/31
 BOT CHORD 2-6=-39/33, 5-6=-1/2
 WEBS 3-6=-141/310

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 209 lb uplift at joint 2 and 179 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L167158	Truss HJ5	Truss Type MONO TRUSS	Qty 2	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:55 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.53	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(LL) -0.08 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.13 2-4 >609 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TP12002			Weight: 26 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 7-0-14 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

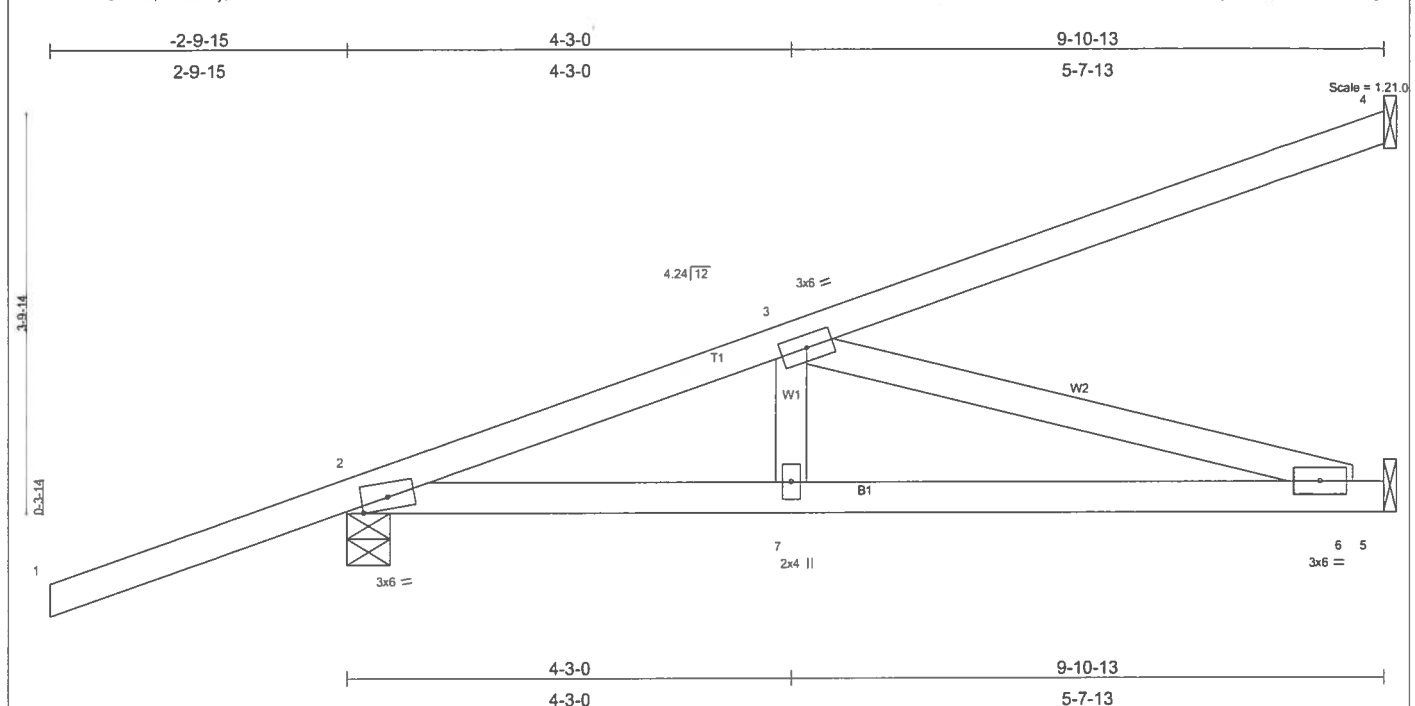
REACTIONS (lb/size) 3=192/Mechanical, 2=375/0-4-15, 4=111/Mechanical
 Max Horz 2=167(load case 2)
 Max Uplift 3=-145(load case 2), 2=-248(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-68/45
 BOT CHORD 2-4=0/0

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 3 and 248 lb uplift at joint 2.
 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-3(F=26, B=26)-to-3=-95(F=-21, B=-21), 2=-0(F=15, B=15)-to-4=-53(F=-12, B=-12)

Job	Truss	Truss Type	Qty	Ply	BRYAN ZECHER- SAMUEL MASTER
L167158	HJ7	MONO TRUSS	3	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:56 2006 Page 1		



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.61	Vert(LL) -0.10	6-7	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.57	Vert(TL) -0.17	6-7	>686	180			
BCLL 10.0	Rep Stress Incr NO	WB 0.49	Horz(TL) 0.01	5	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						Weight: 45 lb	

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

REACTIONS (lb/size) 4=269/Mechanical, 2=532/0-4-15, 5=377/Mechanical
Max Horz 2=269(load case 2)
Max Uplift 4=-231(load case 2), 2=-278(load case 2), 5=-63(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-888/121, 3-4=-105/66
BOT CHORD 2-7=-309/823, 6-7=-309/823, 5-6=0/0
WEBS 3-7=0/180, 3-6=-856/321

NOTES

- NOTES
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 - 2) Refer to girder(s) for truss to truss connections.
 - 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 278 lb uplift at joint 2 and 63 lb uplift at joint 5.
 - 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26) to 4=-134(F=40, B=40), 2=-0(F=15, B=15) to 5=-74(F=22, B=22)

Job L167158	Truss HJ7A	Truss Type SPECIAL	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:56 2006 Page 1

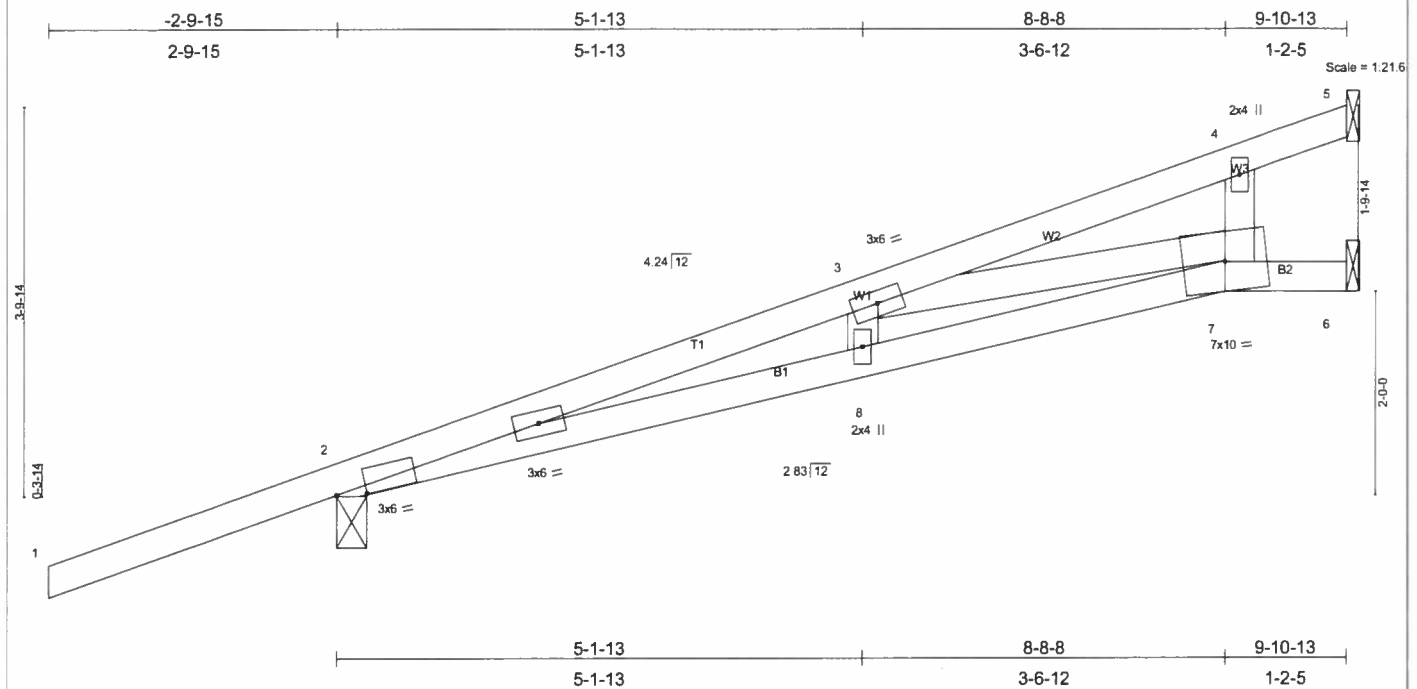


Plate Offsets (X,Y): [2-0-3-8-0-0-10]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.69	Vert(LL)	-0.19	7-8	>601	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.93	Vert(TL)	-0.31	7-8	>375	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.47	Horz(TL)	0.07	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-5-5 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-2-2 oc bracing.

REACTIONS (lb/size) 5=356/Mechanical, 2=527/0-3-8, 6=294/Mechanical
 Max Horz 2=268(load case 2)
 Max Uplift 5=-157(load case 2), 2=-272(load case 2), 6=-140(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-1850/514, 3-4=-114/0, 4-5=-59/114
 BOT CHORD 2-8=-670/1761, 7-8=-672/1757, 6-7=0/0
 WEBS 3-8=0/197, 3-7=-1694/669, 4-7=0/138

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 157 lb uplift at joint 5, 272 lb uplift at joint 2 and 140 lb uplift at joint 6.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

Vert: 2=-2(F=26, B=26)-to-5=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-7=-66(F=-18, B=-18), 7=-66(F=-18, B=-18)-to-6=-74(F=-22, B=-22)

Job L167158	Truss T01	Truss Type COMMON	Qty 5	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MITek Industries, Inc. Tue May 30 16:48:57 2006 Page 1

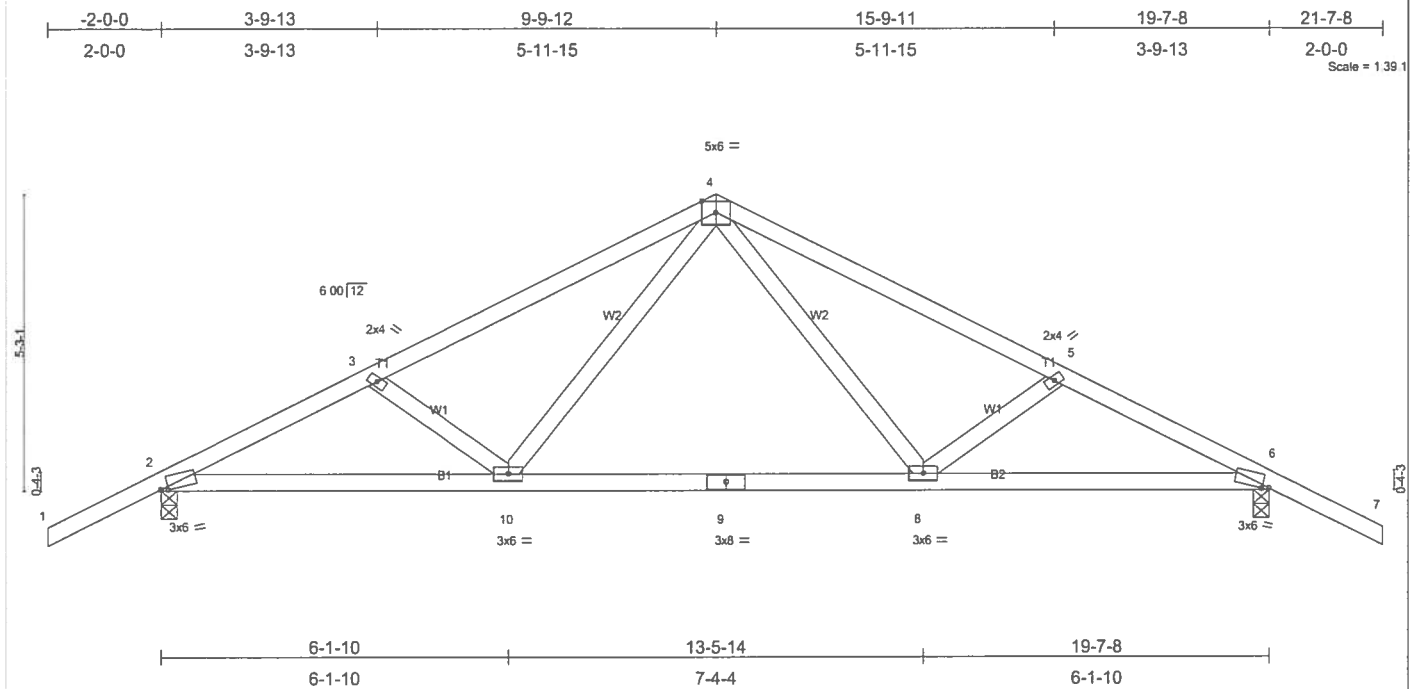


Plate Offsets (X,Y): [2-0-1-9-0-0-7], [6-0-1-9-0-0-7]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)
TCLL 20.0	Plates Increase	1.25	TC 0.36	Vert(LL)	-0.25 8-10 >930 240
TCDL 7.0	Lumber Increase	1.25	BC 0.84	Vert(TL)	-0.40 8-10 >573 180
BCLL 10.0	Rep Stress Incr	NO	WB 0.22	Horz(TL)	0.04 6 n/a n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		
					Weight: 95 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 8-2-5 oc bracing.

REACTIONS (lb/size) 2=1112/0-3-8, 6=1112/0-3-8
 Max Horz 2=-107(load case 6)
 Max Uplift 2=-459(load case 5), 6=-459(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1848/803, 3-4=-1679/740, 4-5=-1679/740, 5-6=-1848/803, 6-7=0/47
 BOT CHORD 2-10=-567/1590, 9-10=-275/1046, 8-9=-275/1046, 6-8=-567/1590
 WEBS 3-10=-216/201, 4-10=-222/686, 4-8=-222/686, 5-8=-216/201

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 459 lb uplift at joint 2 and 459 lb uplift at joint 6.
 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

Job L167158	Truss T02	Truss Type MONO HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional) 6,200 s Jul 13 2005 Mitek Industries, Inc. Tue May 30 16:48:57 2006 Page 1

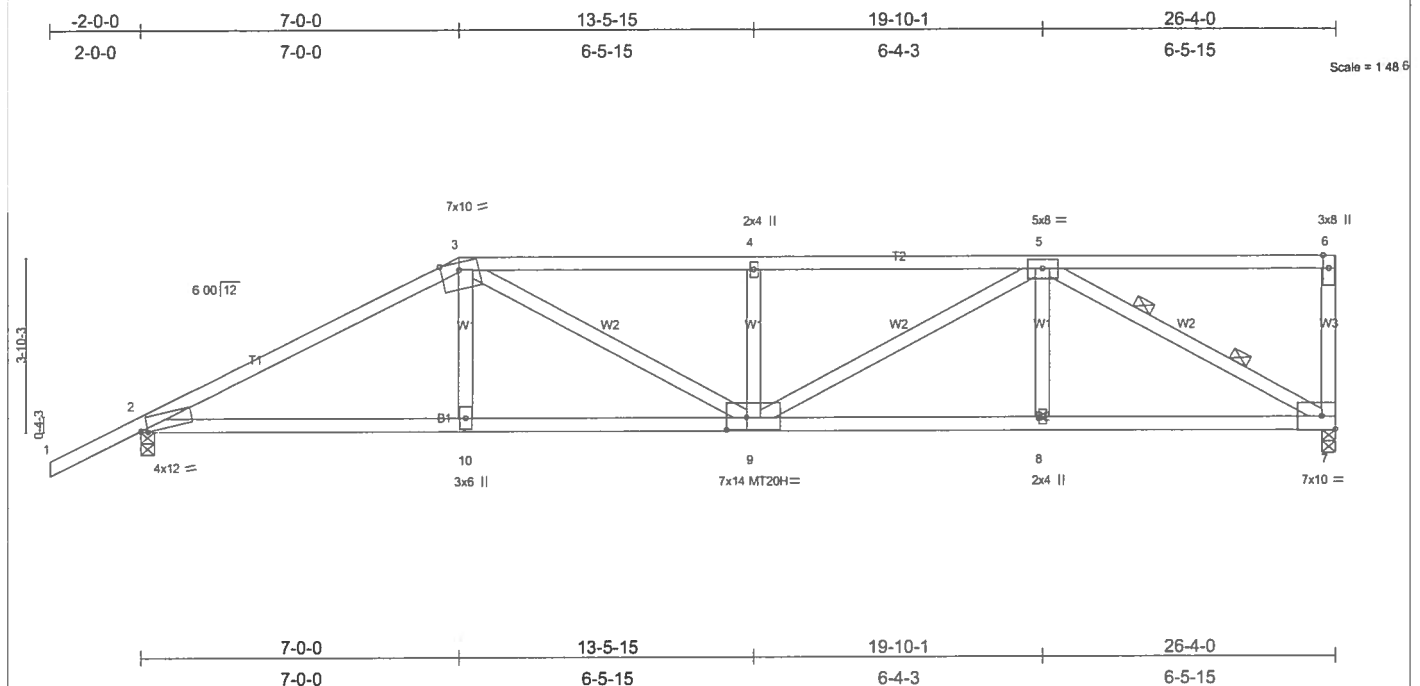


Plate Offsets (X,Y): [2:0-1-13 Edge], [9:0-5-4,0-3-3]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.94	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.98	Vert(LL) -0.31 9-10 >994 240	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.87	Vert(TL) -0.51 9-10 >614 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.15 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 133 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 4-11-15 oc bracing.
B1 2 X 4 SYP No.1D	WEBS 2 Rows at 1/3 pts 5-7
WEBS 2 X 4 SYP No.3 *Except*	
W3 2 X 4 SYP No.2	

REACTIONS (lb/size) 7=2431/0-3-8, 2=2304/0-3-8
 Max Horz 2=227(load case 4)
 Max Uplift 7=-1094(load case 3), 2=-993(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-4310/1821, 3-4=-4702/2114, 4-5=-4701/2114, 5-6=-154/70, 6-7=-363/287
 BOT CHORD 2-10=-1666/3765, 9-10=-1675/3801, 8-9=-1557/3465, 7-8=-1557/3465
 WEBS 3-10=-213/864, 3-9=-565/1026, 4-9=-761/644, 5-9=-638/1417, 5-8=0/406, 5-7=-3795/1705

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 2) Provide adequate drainage to prevent water ponding.
 3) All plates are MT20 plates unless otherwise indicated.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1094 lb uplift at joint 7 and 993 lb uplift at joint 2.
 5) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0 on bottom chord.
 The design/selection of such connection device(s) is the responsibility of others.
 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-6=-118(F=64), 2-10=-30, 7-10=-65(F=35)
 Concentrated Loads (lb)
 Vert: 10=-539(F)

Job L167158	Truss T03	Truss Type MONO HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:58 2006 Page 1

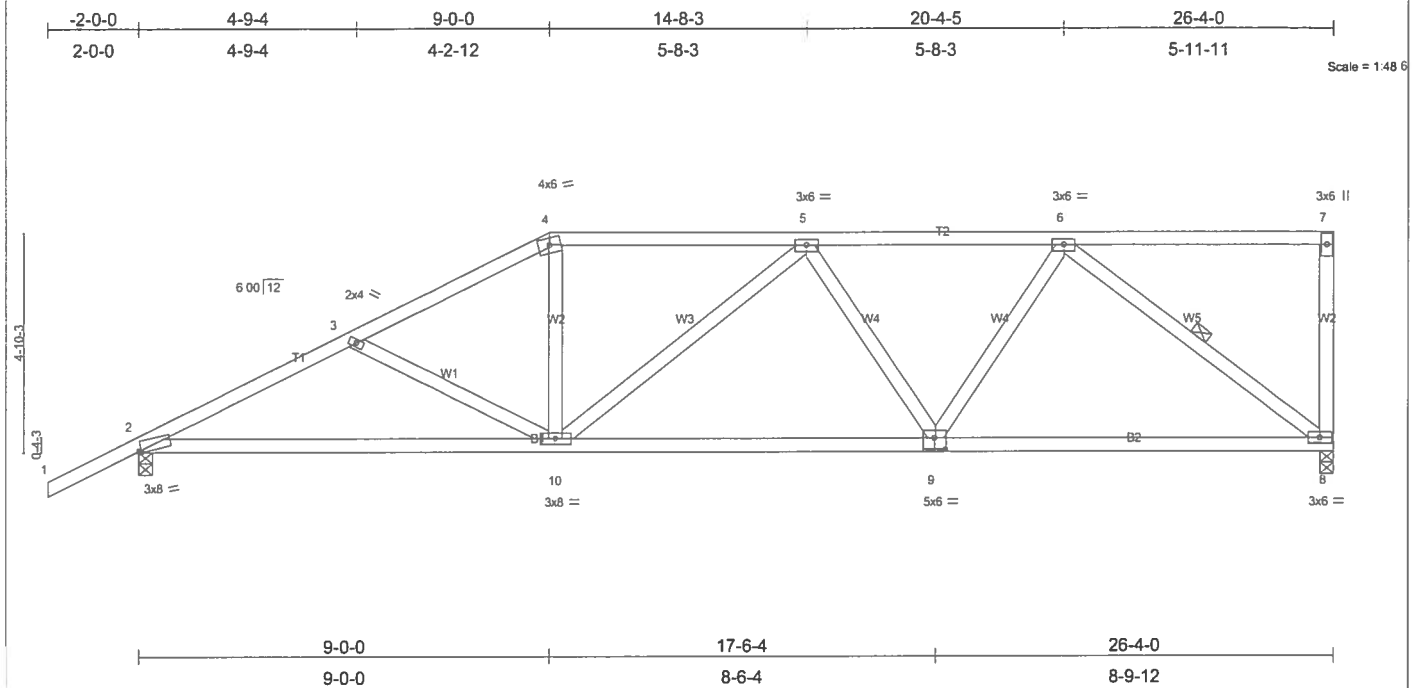


Plate Offsets (X,Y): [2-0-0-10,Edge], [9-0-3-0,0-3-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.55	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.54	Vert(LL) -0.16 2-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.38	Vert(TL) -0.28 2-10 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 8 n/a n/a		
	Code FBC2004/TP12002			Weight: 139 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-11-8 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 6-8

REACTIONS (lb/size) 8=1089/0-3-8, 2=1214/0-3-8
 Max Horz 2=272(load case 5)
 Max Uplift 8=-396(load case 4), 2=-442(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1908/743, 3-4=-1670/841, 4-5=-1463/629, 5-6=-1403/557, 6-7=-59/10, 7-8=-153/102
 BOT CHORD 2-10=-809/1658, 9-10=-669/1549, 8-9=-477/1095
 WEBS 3-10=-236/204, 4-10=-66/449, 5-10=-113/162, 5-9=-278/213, 6-9=-150/581, 6-8=-1315/593

NOTES
 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Provide adequate drainage to prevent water ponding.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 396 lb uplift at joint 8 and 442 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L167158	Truss T04	Truss Type MONO HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:58 2006 Page 1		

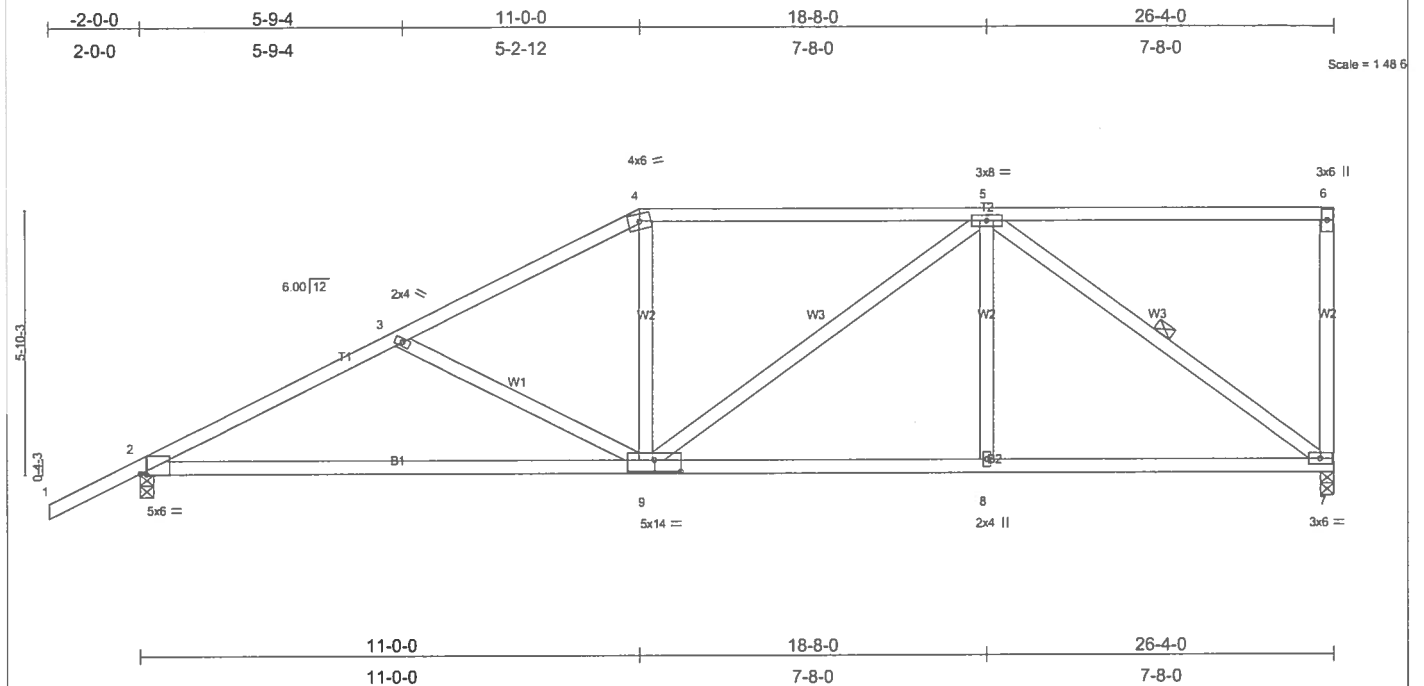


Plate Offsets (X,Y): [2:0-1-11,Edge], [9:0-7-0,0-3-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.61	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.69	Vert(LL) -0.34 2-9 >922 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.55	Vert(TL) -0.58 2-9 >535 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.06 7 n/a n/a		
Weight: 143 lb					

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-10-3 oc bracing.
 WEBS 1 Row at midpt 5-7

REACTIONS (lb/size) 7=1089/0-3-8, 2=1214/0-3-8
 Max Horz 2=318(load case 5)
 Max Uplift 7=-388(load case 4), 2=-450(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1841/728, 3-4=-1526/585, 4-5=-1317/588, 5-6=-52/19, 6-7=-185/131
 BOT CHORD 2-9=-836/1602, 8-9=-485/1118, 7-8=-485/1118
 WEBS 3-9=-329/279, 4-9=0/309, 5-9=-131/246, 5-8=0/202, 5-7=-1326/579

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Provide adequate drainage to prevent water ponding.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 388 lb uplift at joint 7 and 450 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L167158	Truss T05	Truss Type HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER J1481240
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:48:59 2006 Page 1

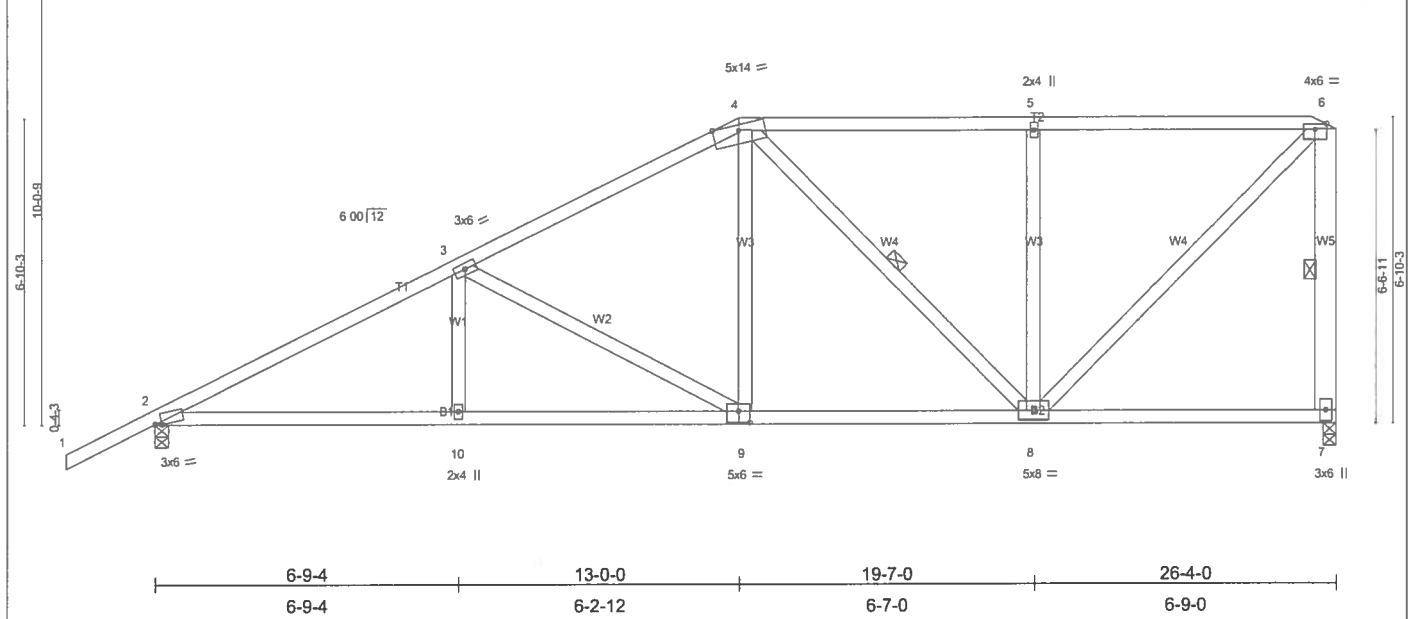
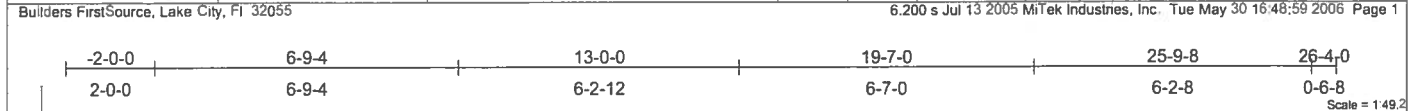


Plate Offsets (X,Y): [2-0-1-13-0-0-7], [9-0-3-0-0-3-0]												
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		in (loc)		L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25		TC	0.30	Vert(LL)	-0.10	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25		BC	0.43	Vert(TL)	-0.16	2-10	>999	180		
BCLL	10.0	Rep Stress Incr YES		WB	0.75	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-11-9 oc bracing.
WEBS 2 X 4 SYP No.3 "Except"	WEBS 1 Row at midpt 4-8, 6-7
W5 2 X 6 SYP No.1D	

REACTIONS (lb/size) 2=1211/0-3-8, 7=1085/0-3-8
 Max Horz 2=364(load case 5)
 Max Uplift 2=454(load case 5), 7=377(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1914/665, 3-4=-1312/520, 4-5=-852/379, 5-6=-852/379, 6-7=-985/487
 BOT CHORD 2-10=-824/1632, 9-10=-824/1632, 8-9=-535/1115, 7-8=-18/44
 WEBS 3-10=0/213, 3-9=-599/331, 4-9=-123/472, 4-8=-371/220, 5-8=-359/265, 6-8=-512/1146

NOTES
 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Provide adequate drainage to prevent water ponding.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 2 and 377 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L167158	Truss T06	Truss Type HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6,200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:00 2006 Page 1

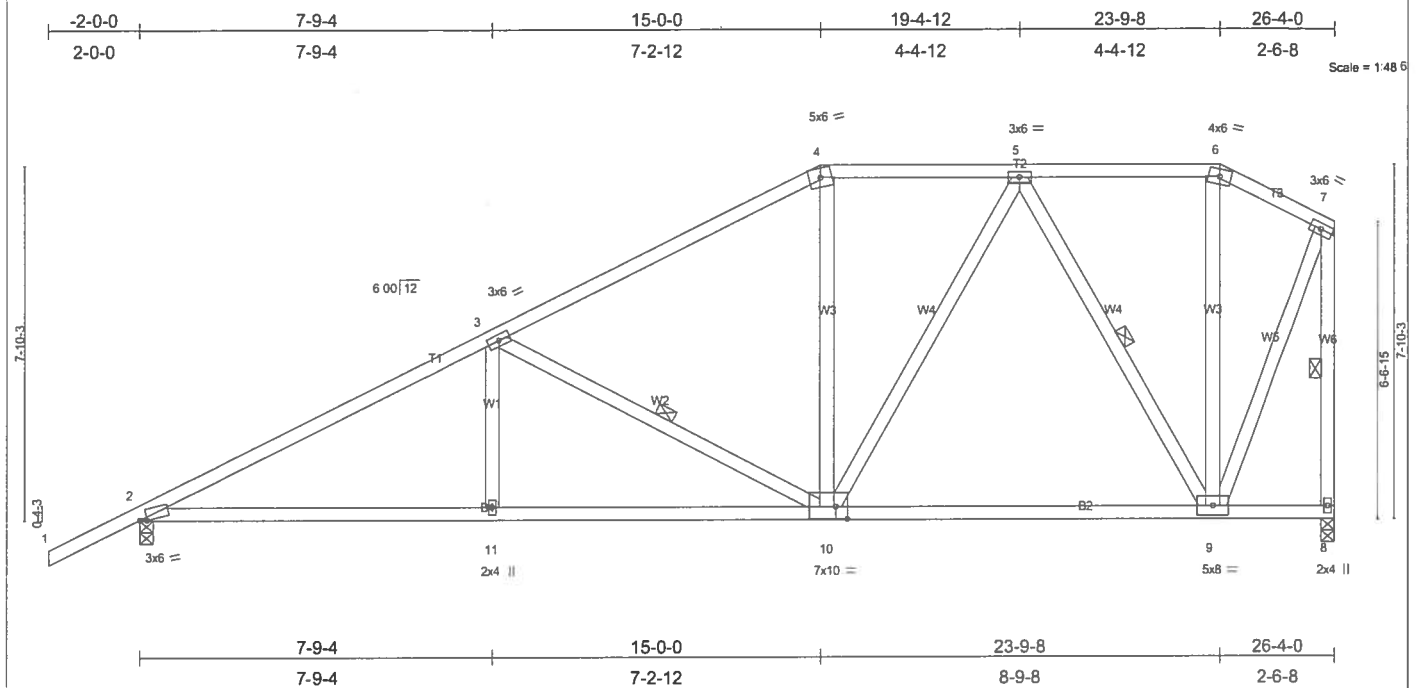


Plate Offsets (X,Y): [2-0-1-13,0-0-7], [10-0-3-2,0-3-4]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.39	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.49	Vert(LL) -0.15 2-11 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.31	Vert(TL) -0.24 2-11 >999 180		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.05 8 n/a n/a		
					Weight: 168 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-0-0 oc bracing.
 WEBS 1 Row at midpt 3-10, 5-9, 7-8

REACTIONS (lb/size) 2=1214/0-3-8, 8=1089/0-3-8
 Max Horz 2=371(load case 5)
 Max Uplift 2=-466(load case 5), 8=-324(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1875/671, 3-4=-1161/480, 4-5=-956/503, 5-6=-357/205, 6-7=-418/192, 7-8=-1104/472
 BOT CHORD 2-11=-808/1592, 10-11=-808/1592, 9-10=-330/716, 8-9=-4/2
 WEBS 3-11=0/244, 3-10=-725/414, 4-10=0/188, 5-10=-227/494, 5-9=-740/380, 6-9=-46/74, 7-9=-379/953

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 466 lb uplift at joint 2 and 324 lb uplift at joint 8.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	BRYAN ZECHER- SAMUEL MASTER	J1481242
L167158	T07	HIP	1	1	Job Reference (optional)	
Builders FirstSource, Lake City, FL 32055			6,200 s Jul 13 2005 Mitek Industries, Inc. Tue May 30 16:49:00 2006 Page 1			

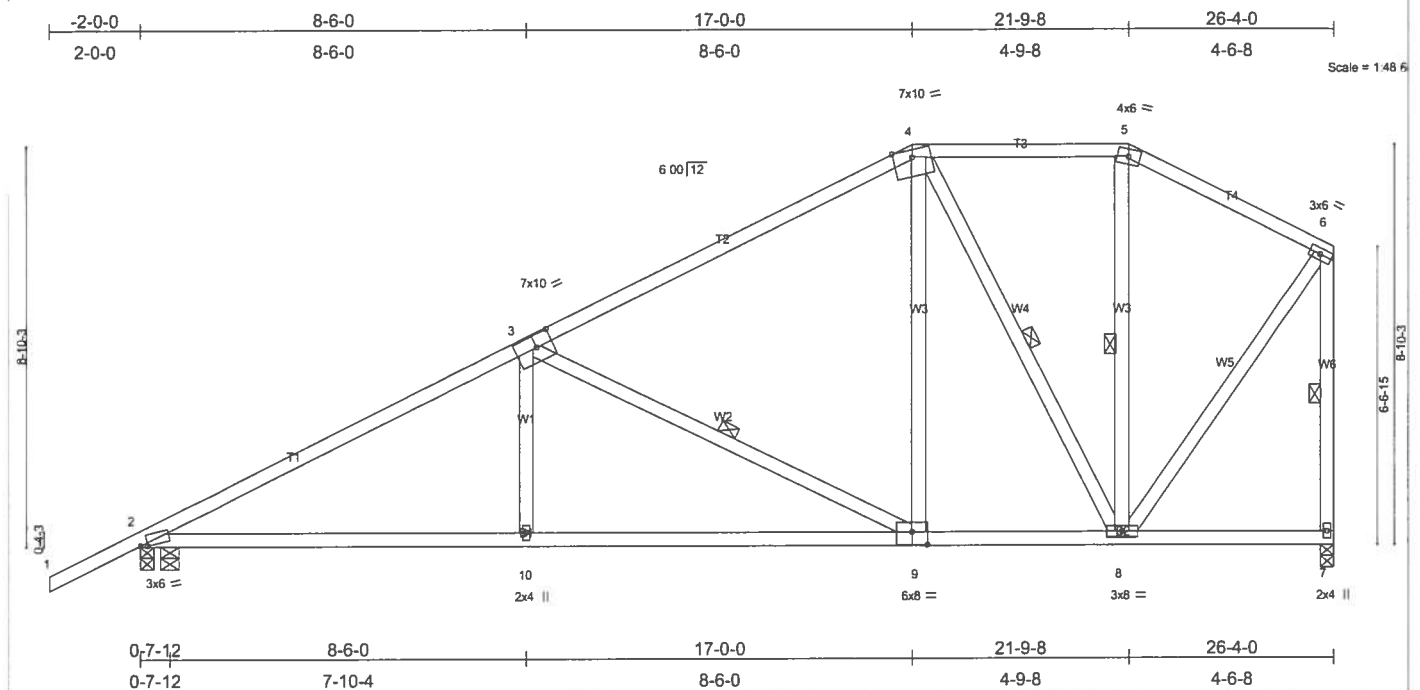


Plate Offsets (X,Y): [2-0-1-13,0-0-7], [3-0-4-5,0-3-3], [9-0-4-0,0-3-6]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.69	Vert(LL) -0.18 2-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.38	Vert(TL) -0.30 2-10 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.05 7 n/a n/a		
	Code FBC2004/TP12002			Weight: 164 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-11-9 oc bracing.
 WEBS 1 Row at midpt 3-9, 4-8, 5-8, 6-7

REACTIONS (lb/size) 2=1214/0-3-8, 2=1214/0-3-8, 7=1089/0-3-8
 Max Horz 2=385(load case 5)
 Max Uplift 2=-472(load case 5), 7=-345(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1851/670, 3-4=-993/432, 4-5=-488/320, 5-6=-597/303, 6-7=-1018/501
 BOT CHORD 2-10=-799/1567, 9-10=-799/1567, 8-9=-365/800, 7-8=-10/16
 WEBS 3-10=0/296, 3-9=-867/488, 4-9=-174/591, 4-8=-681/331, 5-8=-77/107, 6-8=-339/809

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left 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 472 lb uplift at joint 2 and 345 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L167158	Truss T08	Truss Type HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Tue May 30 16:49:01 2006 Page 1		

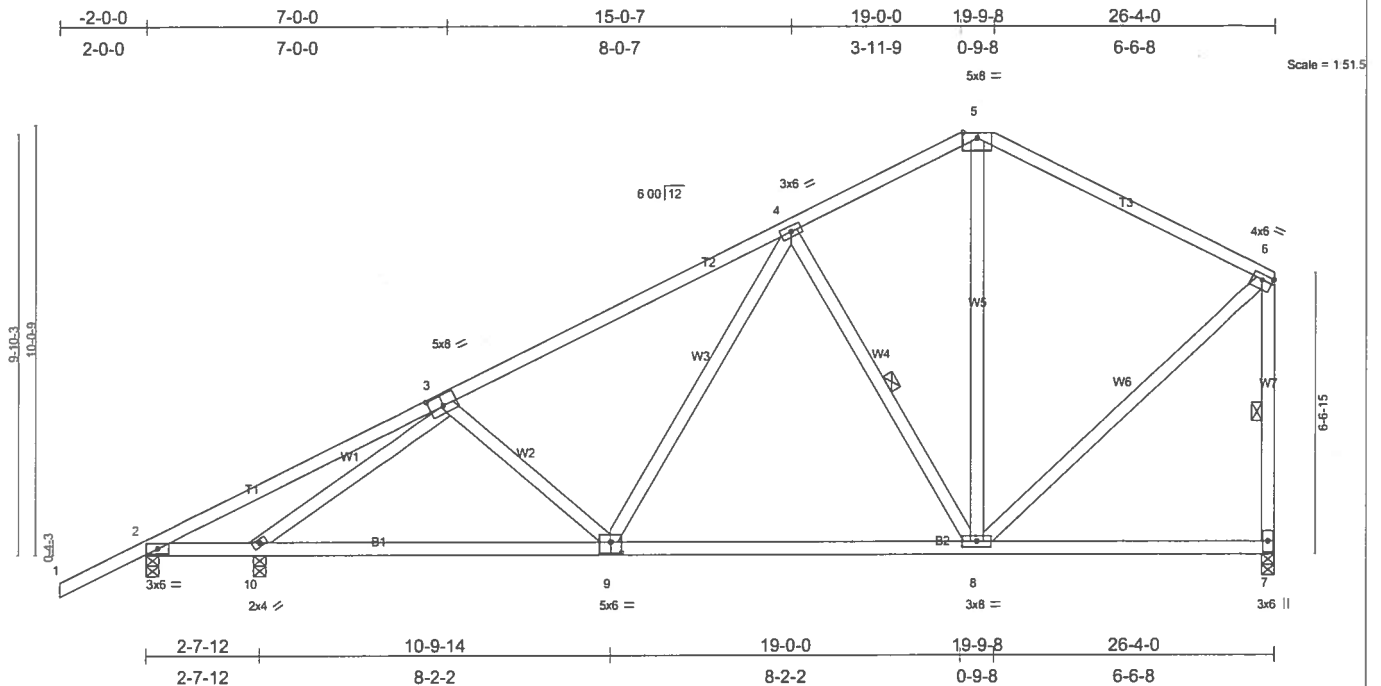


Plate Offsets (X,Y): [3:0-4-0,0-3-0], [6:0-3-0,0-1-8], [9:0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.55	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.43	Vert(LL) -0.11 8-9 >999 240	Weight: 163 lb	
BCLL 10.0	Lumber Increase 1.25	WB 0.72	Vert(TL) -0.19 8-9 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.03 7 n/a n/a		
	Code FBC2004/TP12002				

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-2 oc bracing.
WEBS 1 Row at midpt 4-8, 6-7

REACTIONS (lb/size) 2=262/0-3-8, 7=997/0-3-8, 10=1044/0-3-8
Max Horz 2=402(load case 5)
Max Uplift 2=-231(load case 5), 7=-348(load case 5), 10=-330(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-160/9, 3-4=-1207/530, 4-5=-650/399, 5-6=-672/361, 6-7=-906/485
BOT CHORD 2-10=-198/74, 9-10=-710/1086, 8-9=-426/795, 7-8=-25/36
WEBS 3-10=-1287/665, 3-9=-140/281, 4-9=-149/402, 4-8=-567/398, 6-8=-277/674, 5-8=-103/331

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 2, 348 lb uplift at joint 7 and 330 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L167158	Truss T09	Truss Type SPECIAL	Qty 1	Ply 2	BRYAN ZECHER- SAMUEL MASTER J1481244
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:01 2006 Page 1		

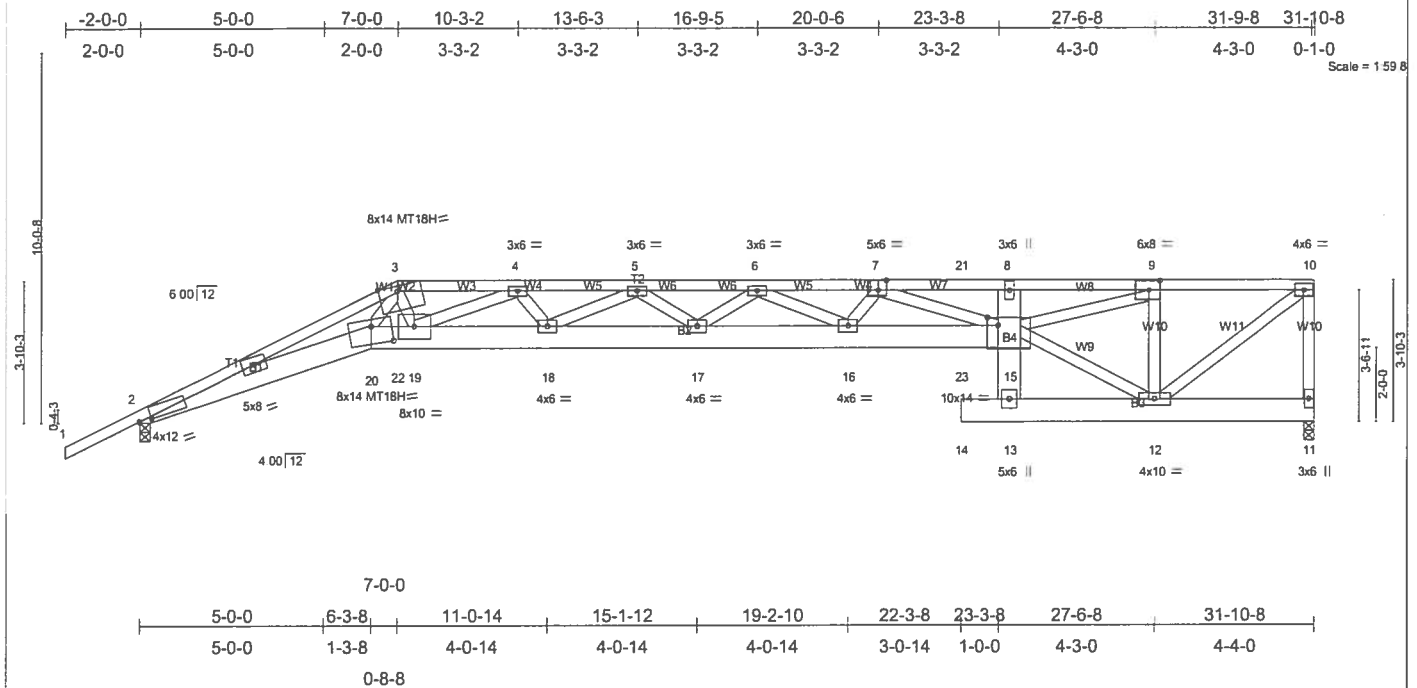


Plate Offsets (X,Y): [2.0-4.1.0-0.5], [3.0-6.3.Edge], [7.0-2.12.0-3-4], [9.0-3-8.0-3-0], [15.0-3-8.0-2-8], [20.0-6-8.0-5-12]									
LOADING (psf)	SPACING 2-0-0		CSI	DEFL				PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.68	in	(loc)	l/defl	L/d	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.76	Vert(LL)	-1.01	17	>376	240	
BCLL 10.0	Rep Stress Incr	NO	WB 0.75	Vert(TL)	-1.61	17	>235	180	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)	Horz(TL)	0.78	11	n/a	n/a	
								Weight: 443 lb	

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.1D *Except* T3 2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-0-8 oc purtins, except end verticals.
BOT CHORD	2 X 8 SYP 2400F 2.0E *Except* B3 2 X 8 SYP No.1D	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2 X 4 SYP No.3 *Except* W8 2 X 4 SYP No.1D, W11 2 X 4 SYP No.2		

REACTIONS (lb/size) 2=2863/0-3-8, 11=3063/0-3-8
Max Horz 2=228(load case 4)
Max Uplift2=-1023(load case 4), 11=-1222(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD
1-2=0/52, 2-3=-12552/4510, 3-4=-12183/4495, 4-5=-15102/5614, 5-6=-16741/6264, 6-7=-16132/6078, 7-21=-12452/4729,
8-21=-12452/4729, 8-9=-10131/3482, 9-10=-3283/1285, 10-11=-2823/1187

BOT CHORD
16-20=-4277/11590, 20-22=-3949/10706, 19-22=-3948/10703, 18-19=-5471/14528, 17-18=-6104/16242, 16-17=-6289/16660,
12-23=-5891/15536, 15-23=-5891/15536, 13-15=-85/514, 8-15=-349/300, 13-14=0/0, 12-13=-1043/2690, 11-12=-48/83

WEBS
4-19=-2623/1097, 4-18=-399/114, 5-18=-1315/586, 5-17=-237/657, 6-17=-23/106, 6-16=-609/243, 7-16=-372/1185, 7-15=-3315/1248,
12-15=-271/664, 9-15=-2745/1267, 9-12=-3036/1370, 10-12=-1693/4122, 3-19=-1726/4669, 3-20=-253/926

NOTES

- 1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=4.2psf; BCFL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 4) Provide adequate drainage to prevent water ponding.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1023 lb uplift at joint 2 and 1222 lb uplift at joint 11.
- 8) Girder carries tie-in span(s): 3-0-0 from 7-0-0 to 22-3-8; 7-0-0 from 7-0-0 to 22-3-8
- 9) Girder carries tie end with 0-0-0 right side setback, 22-3-8 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) 400 lb down and 151 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

- LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-21=-69(F=-15), 10-21=-118(F=-64), 2-20=-30, 20-22=-30, 22-23=-129(F=-99), 15-23=-65(F=-35), 13-14=-65(F=-35),
11-13=-65(F=-35)
Concentrated Loads (lb)
Vert: 22=400(F)

**MAY 30, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**

Job L167158	Truss T10	Truss Type SPECIAL	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER Job Reference (optional)	J1481245
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:02 2006 Page 1			

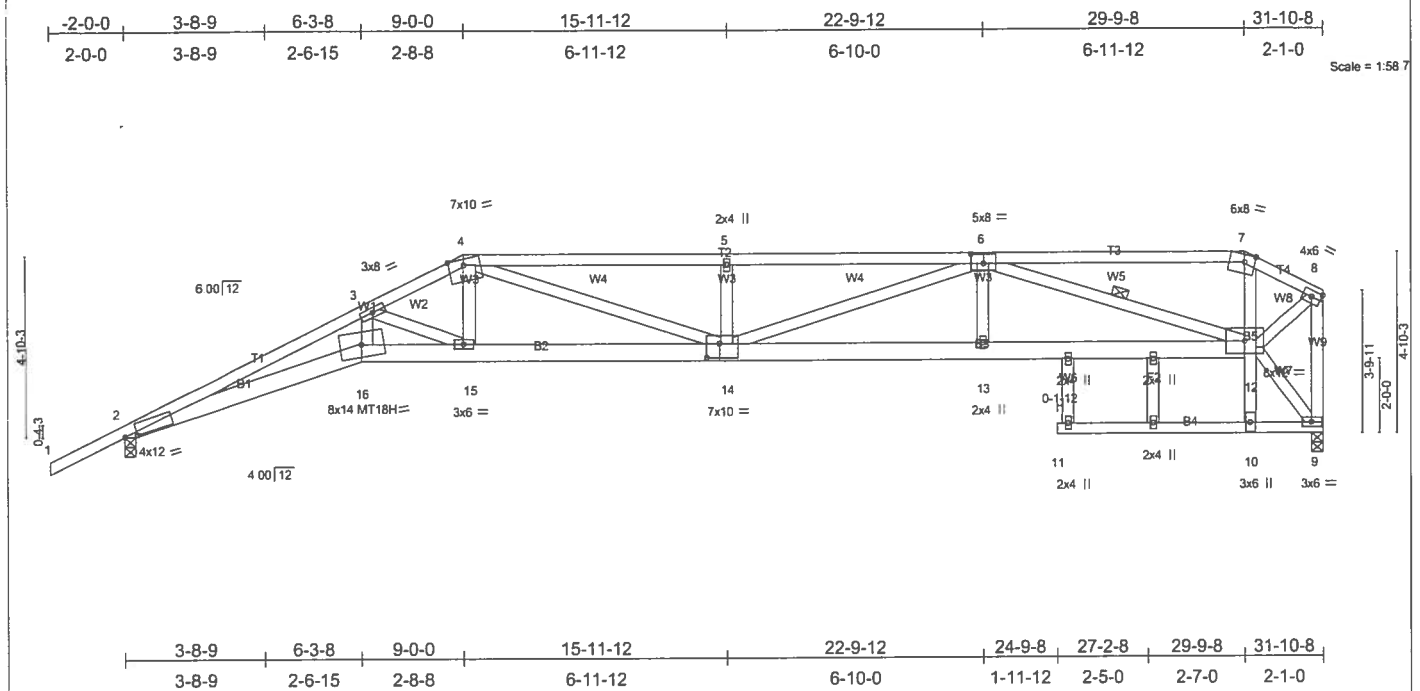


Plate Offsets (X,Y): [2-0-4-1,0-0-11], [6-0-4-0,0-3-0], [7-0-3-3,Edge], [14-0-4-4,0-4-8]									
LOADING (psf)	SPACING	CSI	DEFL	VERT (LL)	VERT (TL)	Horz (TL)	PLATES	GRIP	
TCLL 20.0	Plates Increase 1.25	TC 0.90	in (loc) l/defl L/d	-0.77 11 >494 240	-1.30 11 >292 180	0.57 9 n/a n/a	MT20	244/190	
TCDL 7.0	Lumber Increase 1.25	BC 0.98					MT18H	244/190	
BCLL 10.0	Rep Stress Incr YES	WB 0.73							
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							Weight: 203 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 1-7-12 oc purlins, except end verticals.
BOT CHORD 2 X 6 SYP No.1D *Except*	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing. Except:
B5 2 X 4 SYP No.3, B4 2 X 4 SYP No.2	1 Row at midpt 12-13
WEBS 2 X 4 SYP No.3	1 Row at midpt 6-12
	JOINTS 1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1468/0-3-8, 9=1456/0-3-8
 Max Horz 2=241(load case 5)
 Max Uplift 2=-497(load case 5), 9=-399(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/49, 2-3=-6098/2395, 3-4=-3985/1610, 4-5=-4389/1736, 5-6=-4389/1736, 6-7=-1336/427, 7-8=-1410/381, 8-9=-1685/449
 BOT CHORD 2-16=-2317/5634, 15-16=-2144/5162, 14-15=-1452/3636, 13-14=-1357/3705, 12-13=-1357/3703, 10-12=0/319, 7-12=0/347, 10-11=0/0, 9-10=-118/0
 WEBS 3-16=-530/1518, 3-15=-1739/782, 4-15=-431/1182, 4-14=-395/948, 5-14=-367/271, 6-14=-350/734, 6-13=0/208, 6-12=-2514/1038, 8-12=-428/1661, 9-12=0/158

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) All plates are MT20 plates unless otherwise indicated.
 - 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 2 and 399 lb uplift at joint 9.

LOAD CASE(S) Standard

Job L167158	Truss T11	Truss Type SPECIAL	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:03 2006 Page 1

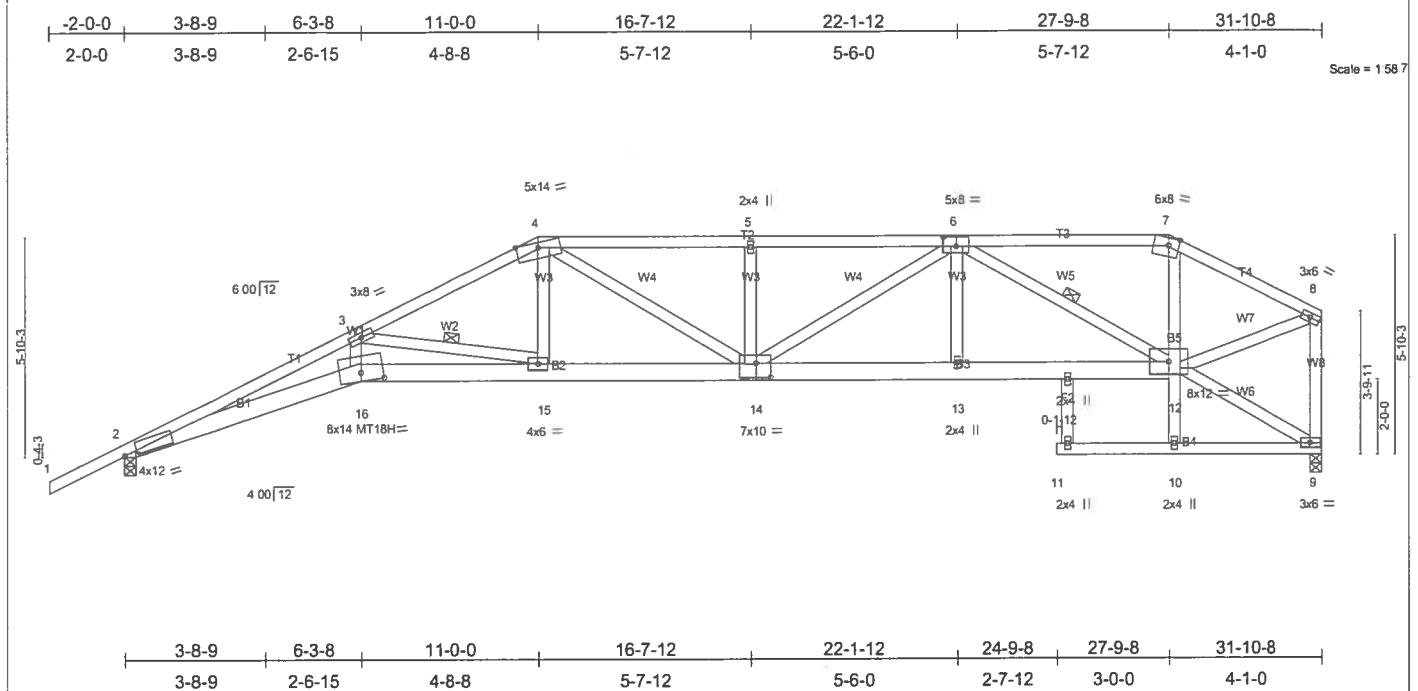


Plate Offsets (X,Y): [2:0-4-1,0-0-11], [6:0-4-0,0-3-0], [7:0-3-3,Edge], [14:0-4-12,0-4-8], [16:0-7-0,0-2-11]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.81	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.99	Vert(LL) -0.55 15-16 >684 240	MT18H	244/190
BCLL 10.0	Lumber Increase 1.25	WB 0.53	Vert(TL) -0.89 15-16 >426 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.51 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 207 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 6 SYP No.1D "Except"
 B5 2 X 4 SYP No.3, B4 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-10-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
 WEBS 1 Row at midpt 3-15, 6-12
 JOINTS 1 Brace at Jt(s): 12

REACTIONS

(lb/size) 2=1462/0-3-8, 9=1401/0-3-8
 Max Horz 2=255(load case 5)
 Max Uplift 2=-515(load case 5), 9=-355(load case 3)

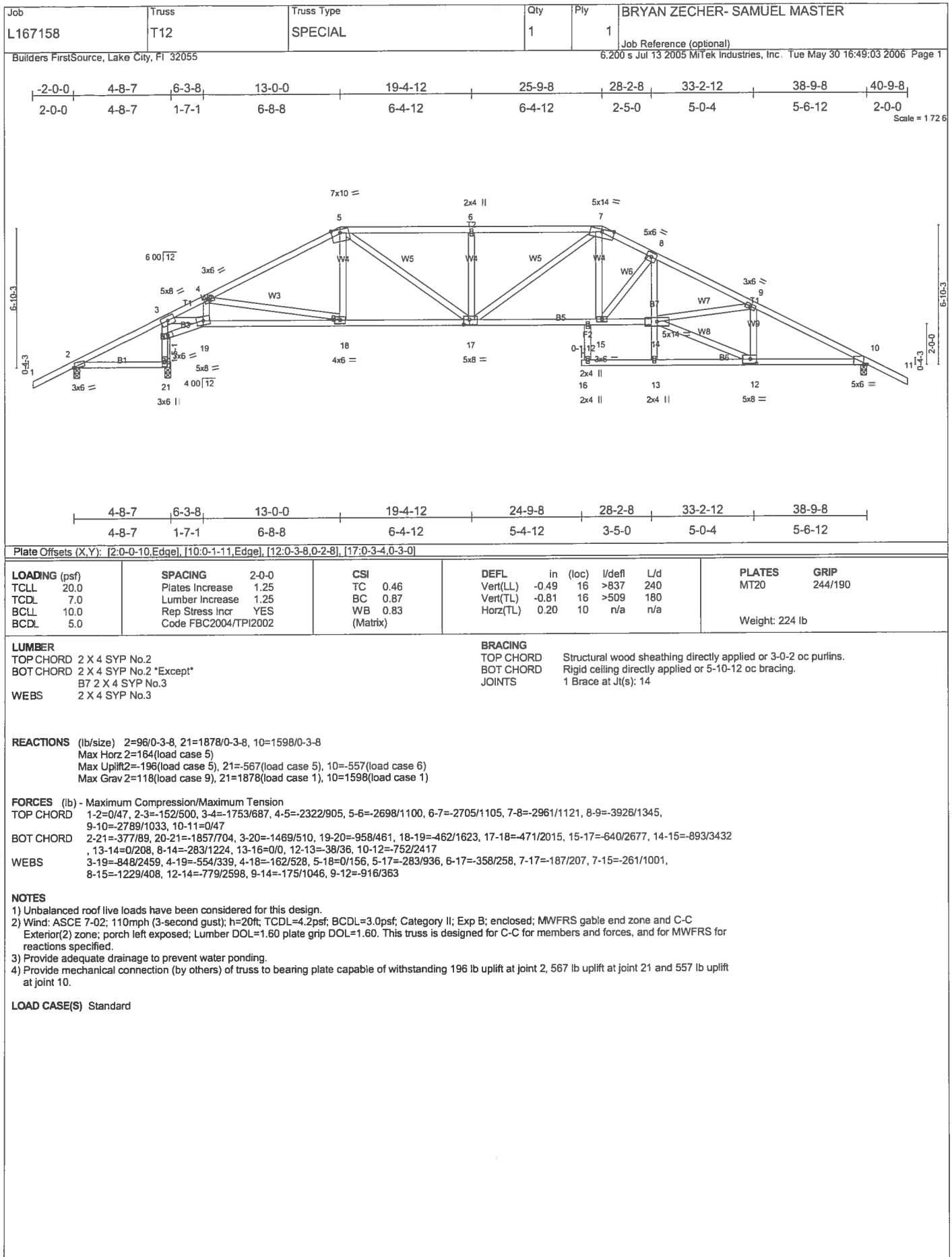
FORCES (lb) - Maximum Compression/Maximum Tension

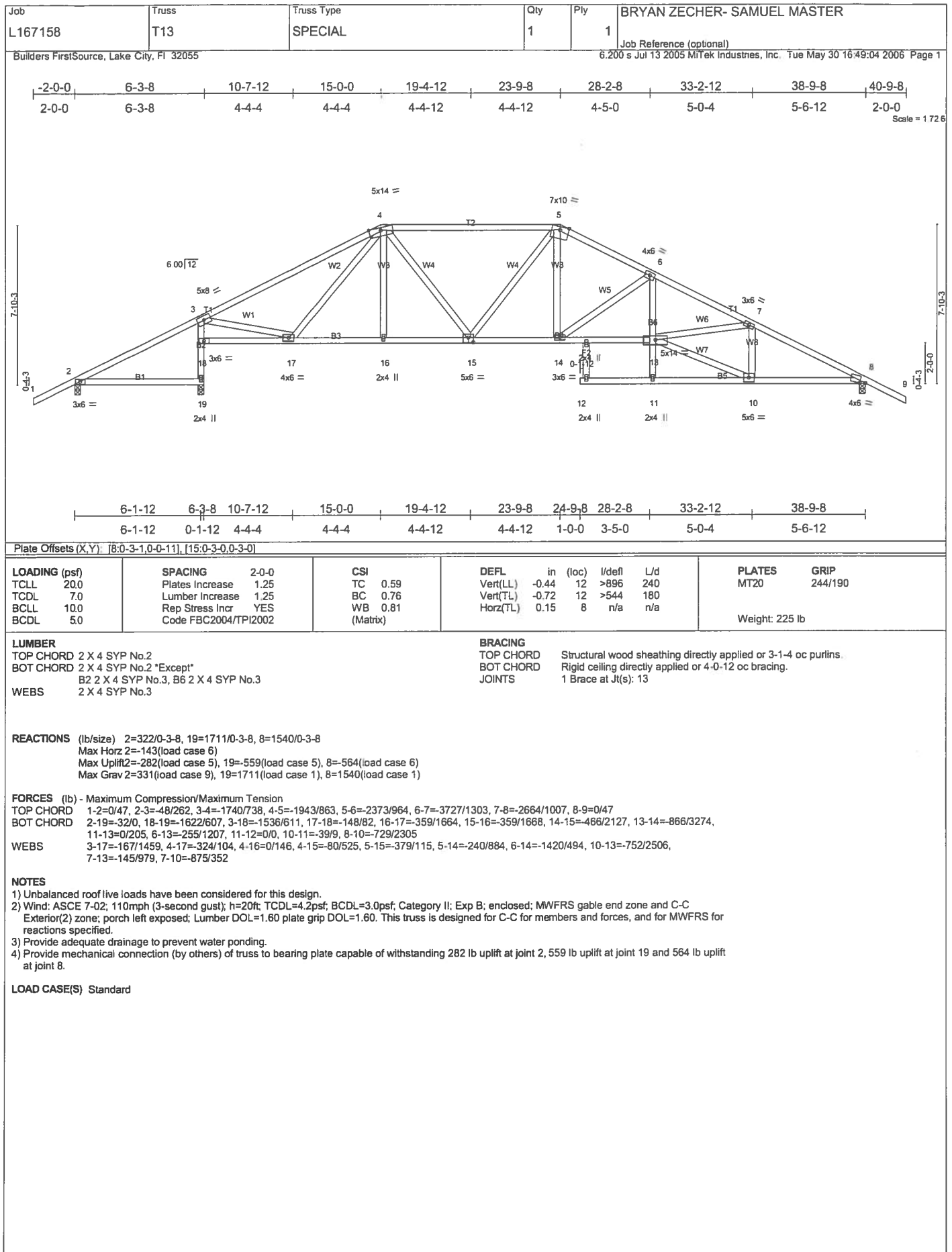
TOP CHORD 1-2=0/49, 2-3=-6066/2449, 3-4=-3211/1317, 4-5=-3090/1288, 5-6=-3078/1280, 6-7=-1466/596, 7-8=-1673/607, 8-9=-1389/529
 BOT CHORD 2-16=-2371/5605, 15-16=-2344/5558, 14-15=-1149/2885, 13-14=-1004/2696, 12-13=-1003/2697, 10-12=0/170, 7-12=-66/494, 10-11=0/0, 9-10=-38/0
 WEBS 3-16=-570/1643, 3-15=-2771/1235, 4-15=-334/967, 4-14=-223/419, 5-14=-296/214, 6-14=-209/473, 6-13=0/186, 6-12=-1456/593, 8-12=-514/1548, 9-12=0/62

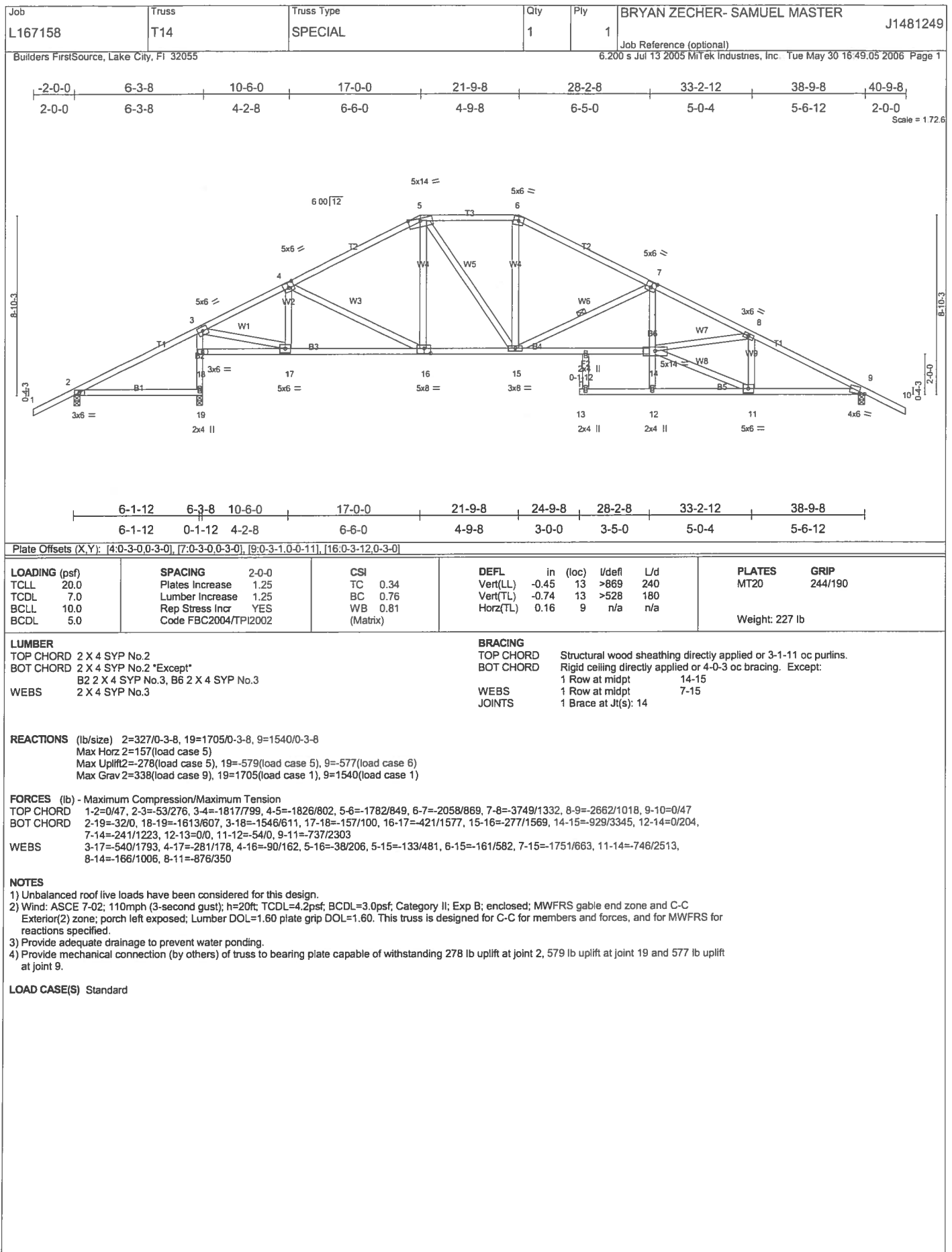
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Bearing at joint(s) 2 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 515 lb uplift at joint 2 and 355 lb uplift at joint 9.

LOAD CASE(S) Standard

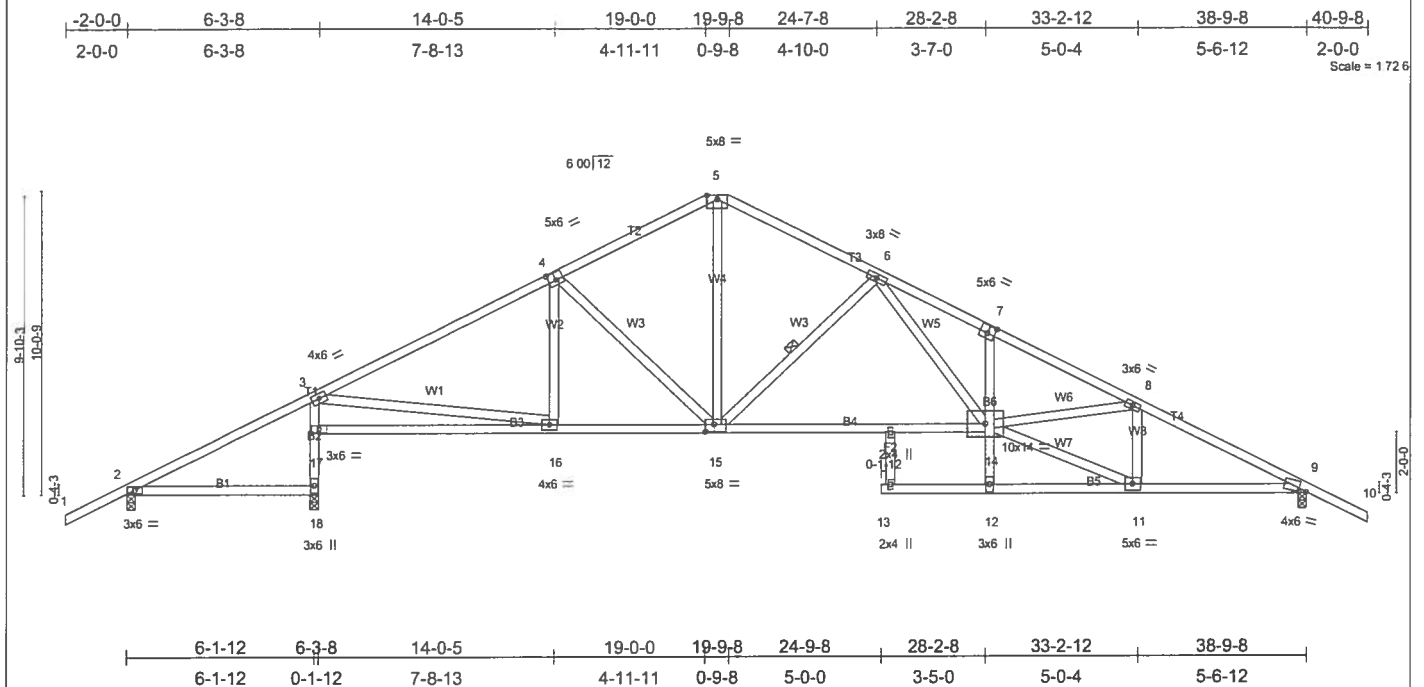






MAY 30, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L167158	Truss T15	Truss Type SPECIAL	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:06 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.60	Vert(LL) -0.43 13 >911 240	Weight: 226 lb	
BCLL 10.0	Lumber Increase 1.25	WB 0.82	Vert(TL) -0.70 13 >553 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.14 9 n/a n/a		
Code FBC2004/TP12002					

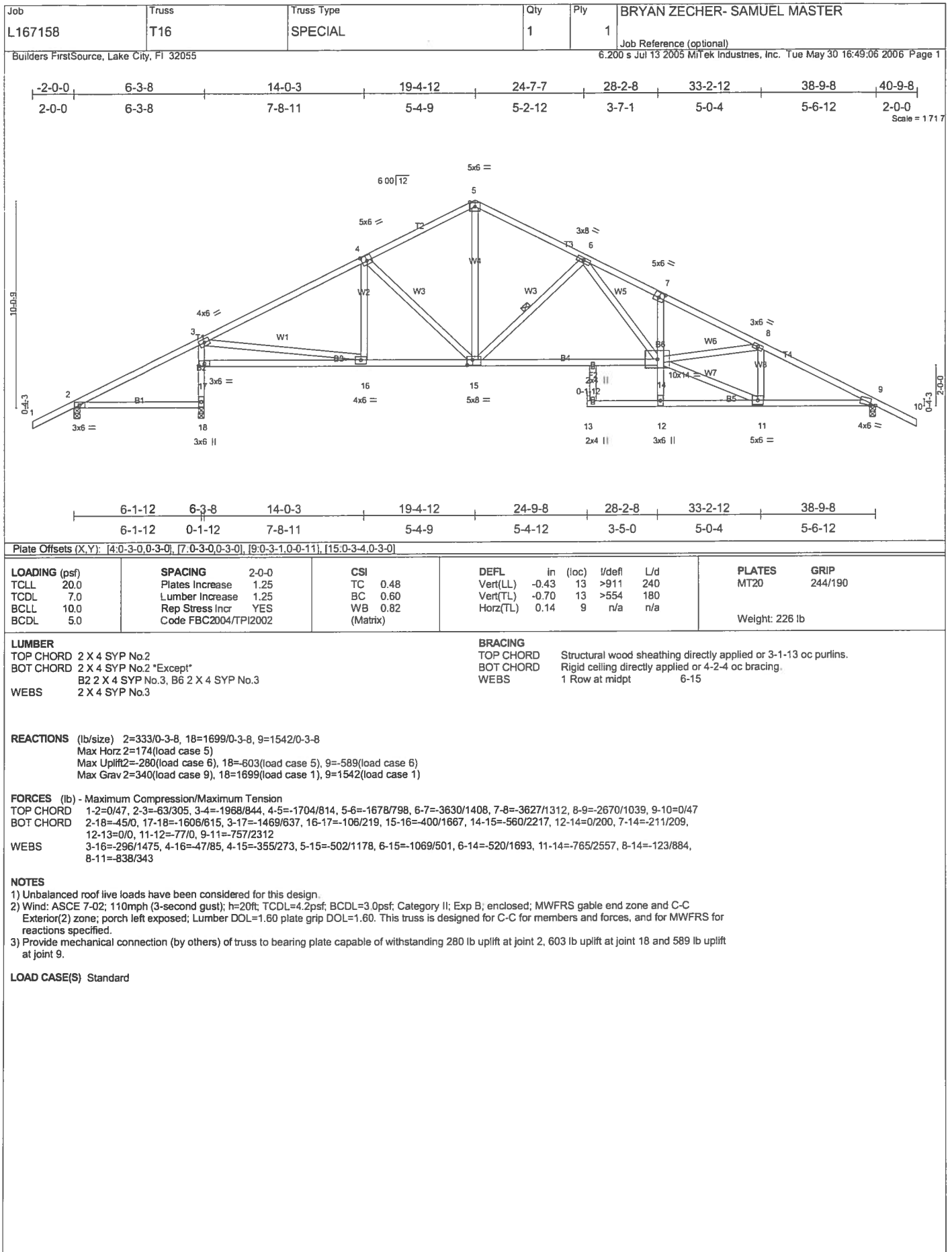
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 4-2-4 oc bracing.
B2 2 X 4 SYP No.3, B6 2 X 4 SYP No.3	WEBS 1 Row at midpt 6-15
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size)	2=333/0-3-8, 18=1698/0-3-8, 9=1542/0-3-8
Max Horz 2=174(load case 5)	
Max Uplift 2=-280(load case 6), 18=-602(load case 5), 9=-589(load case 6)	
Max Grav 2=340(load case 9), 18=1698(load case 1), 9=1542(load case 1)	

FORCES (lb) - Maximum Compression/Maximum Tension	
TOP CHORD 1-2=0/47, 2-3=-64/306, 3-4=-1971/846, 4-5=-1705/813, 5-6=-1678/798, 6-7=-3630/1408, 7-8=-3627/1312, 8-9=-2671/1039, 9-10=0/47	
BOT CHORD 2-18=45/0, 17-18=-1605/615, 3-17=-1468/636, 16-17=-101/215, 15-16=-401/1669, 14-15=-560/2218, 12-14=0/200, 7-14=-211/210, 12-13=0/0, 11-12=-77/0, 9-11=-757/2312	
WEBS 3-16=-303/1482, 4-16=-48/86, 4-15=-355/271, 6-15=-1069/501, 6-14=-520/1693, 11-14=-765/2557, 8-14=-123/884, 8-11=-838/343, 5-15=-498/1174	

NOTES	
1) Unbalanced roof live loads have been considered for this design.	
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.	
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 2, 602 lb uplift at joint 18 and 589 lb uplift at joint 9.	

LOAD CASE(S) Standard	
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Job L167158	Truss T17	Truss Type SPECIAL	Qty 3	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055					6 200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:07 2006 Page 1

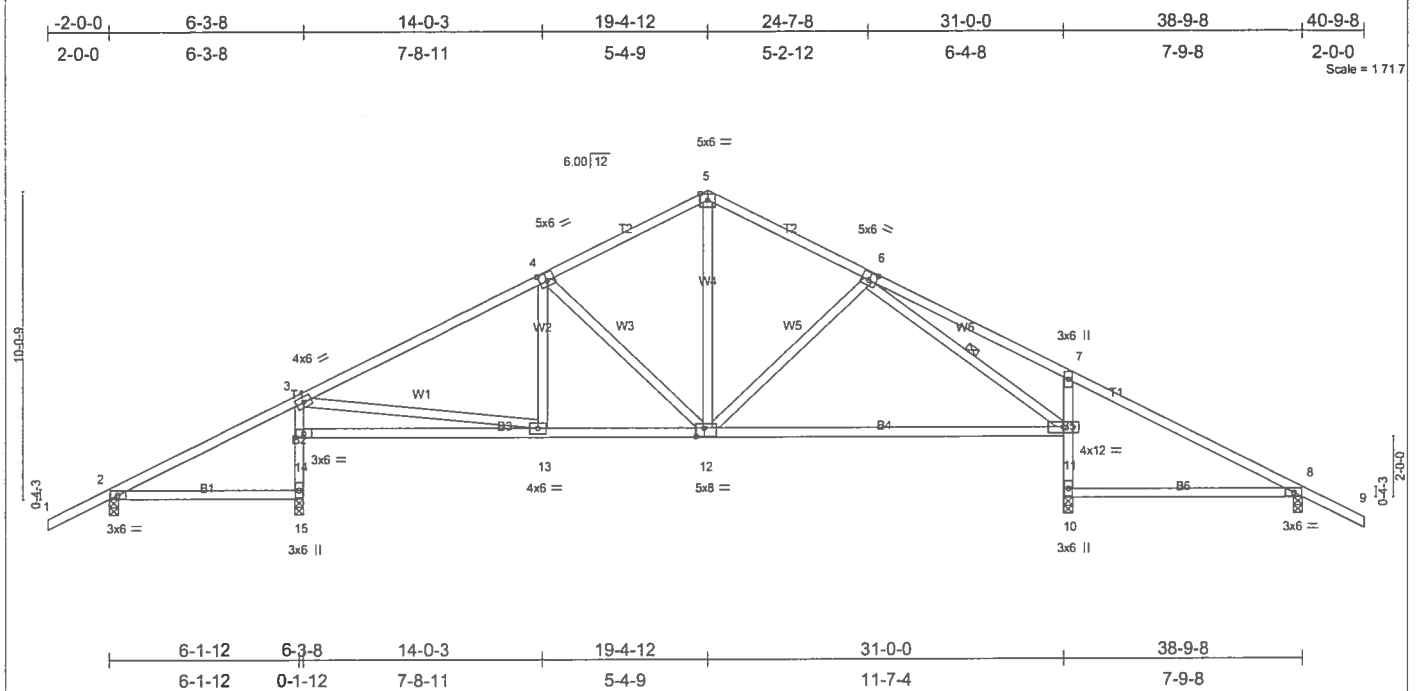


Plate Offsets (X,Y): [4:0-3-0-0-3-0], [6:0-3-0-0-3-0], [12:0-3-4-0-3-4]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.44	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.82	Vert(LL) 0.16 8-10 >559 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.38	Vert(TL) -0.58 11-12 >516 180		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.03 10 n/a n/a		
Weight: 201 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-11-13 oc purlins.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 4-3-1 oc bracing.
B2 2 X 4 SYP No.3, B5 2 X 4 SYP No.3	WEBS 1 Row at midpt 6-11
WEBS 2 X 4 SYP No.3	

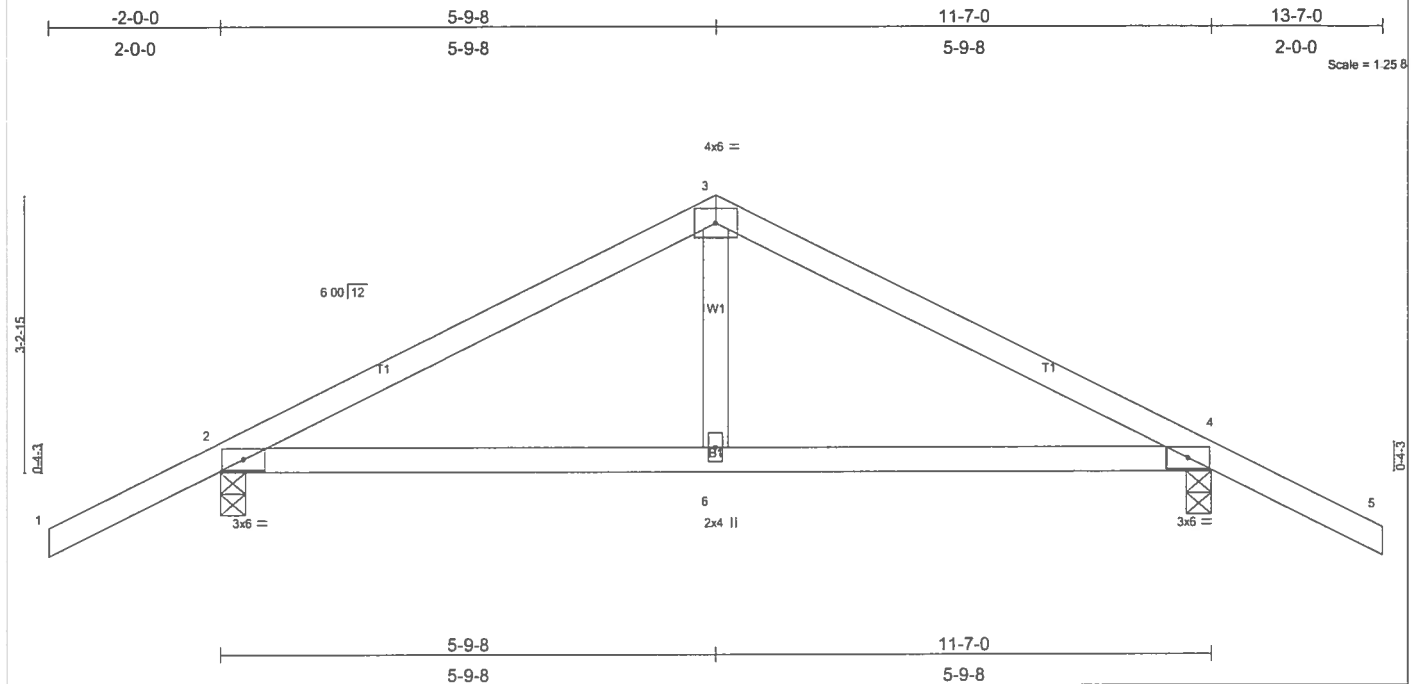
REACTIONS (lb/size) 2=354/0-3-8, 15=1307/0-3-8, 10=1415/0-3-8, 8=390/0-3-8
 Max Horz 2=174(load case 5)
 Max Uplift 2=-287(load case 6), 15=-536(load case 5), 10=-464(load case 6), 8=-413(load case 6)
 Max Grav 2=354(load case 1), 15=1307(load case 1), 10=1415(load case 1), 8=391(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-96/320, 3-4=-1351/675, 4-5=-1028/616, 5-6=-1014/606, 6-7=-209/434, 7-8=-84/307, 8-9=0/47
 BOT CHORD 2-15=-54/27, 14-15=-1209/500, 3-14=-1073/524, 13-14=-137/290, 12-13=-271/1116, 11-12=-209/898, 10-11=-1284/491, 7-11=-475/377,
 8-10=-93/1
 WEBS 3-13=-150/834, 4-13=0/67, 4-12=-397/311, 5-12=-339/587, 6-12=-125/256, 6-11=-1005/246

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2, 536 lb uplift at joint 15, 464 lb uplift at joint 10 and 413 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L167158	Truss T18	Truss Type COMMON	Qty 4	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mittek Industries, Inc. Tue May 30 16:49:08 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.21	Vert(LL) -0.03 2-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.06	Vert(TL) -0.05 2-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 4 n/a n/a		
	Code FBC2004/TP12002			Weight: 47 lb	

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

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

REACTIONS (lb/size) 2=590/0-3-8, 4=590/0-3-8
 Max Horz 2=-79(load case 6)
 Max Uplift 2=-284(load case 5), 4=-284(load case 6)

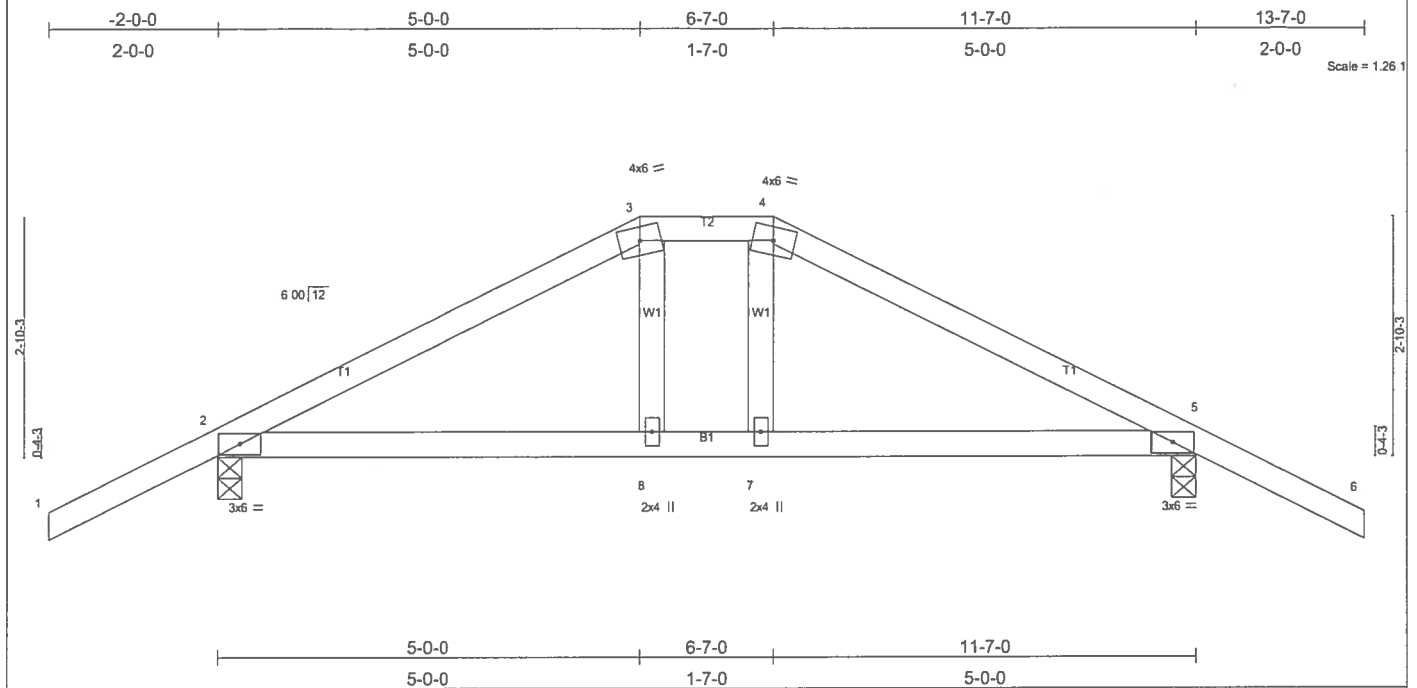
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-630/247, 3-4=-630/247, 4-5=0/47
 BOT CHORD 2-6=-66/501, 4-6=-66/501
 WEBS 3-6=0/193

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 284 lb uplift at joint 2 and 284 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L167158	Truss T19H	Truss Type HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:08 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.27	in (loc) l/defl l/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.33	Vert(LL) -0.04 2-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.13	Vert(TL) -0.07 2-8 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.02 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 50 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-6-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=877/0-3-8, 5=877/0-3-8
 Max Horz 2=73(load case 4)
 Max Uplift 2=-429(load case 4), 5=-429(load case 5)

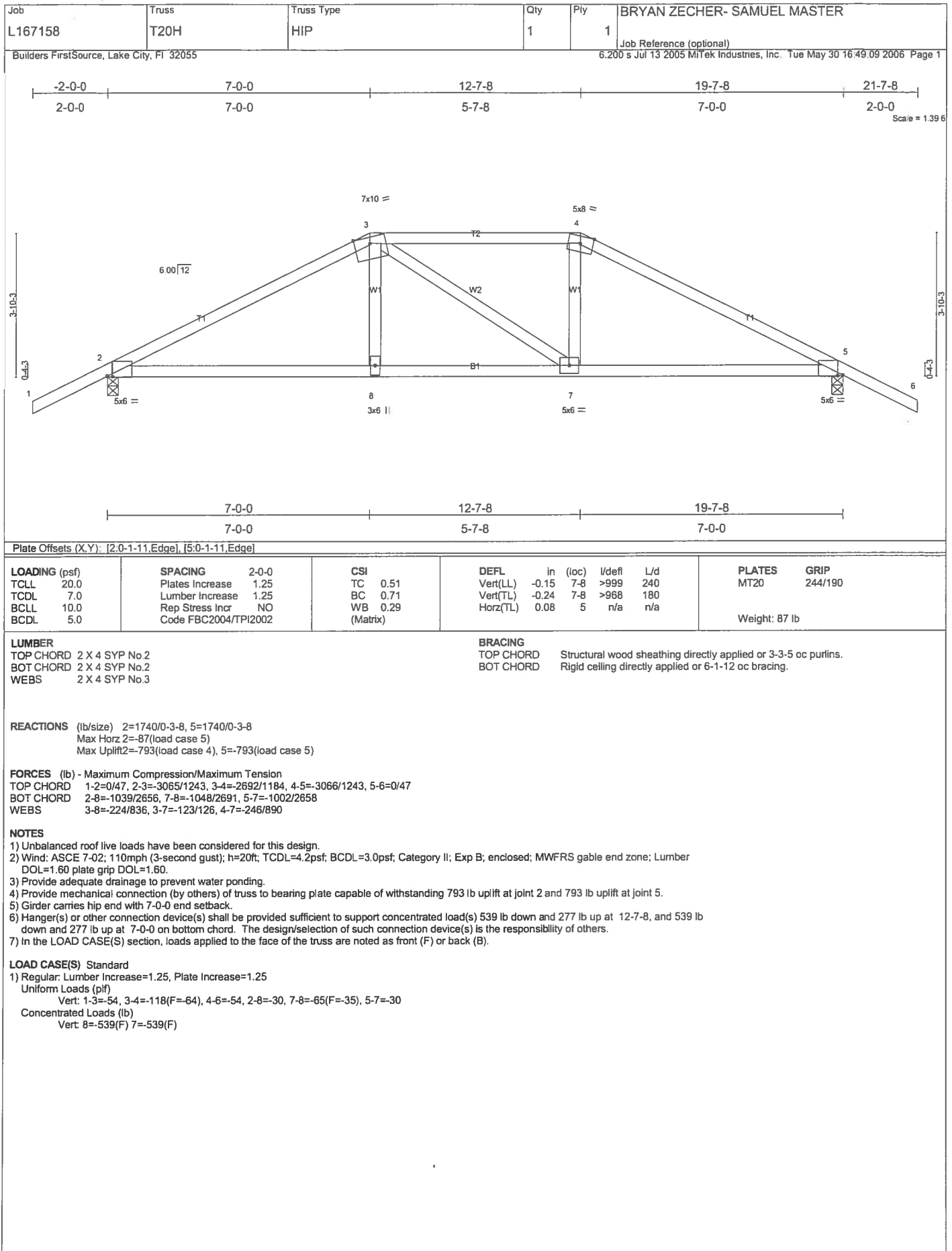
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1252/470, 3-4=-1074/453, 4-5=-1252/469, 5-6=0/47
 BOT CHORD 2-8=-342/1053, 7-8=-347/1074, 5-7=-340/1053
 WEBS 3-8=-128/407, 4-7=-128/407

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; 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 429 lb uplift at joint 2 and 429 lb uplift at joint 5.
- Girder carries hip end with 5-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 126 lb up at 6-7-0, and 245 lb down and 126 lb up at 5-0-0 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=-91(F=-37), 4-6=-54, 2-8=-30, 7-8=-50(F=-20), 5-7=-30
 Concentrated Loads (lb)
 Vert: 8=-245(F) 7=-245(F)



MAY 30, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L167158	Truss T21H	Truss Type HIP	Qty 1	Ply 1	BRYAN ZECHER- SAMUEL MASTER
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 30 16:49:09 2006 Page 1		

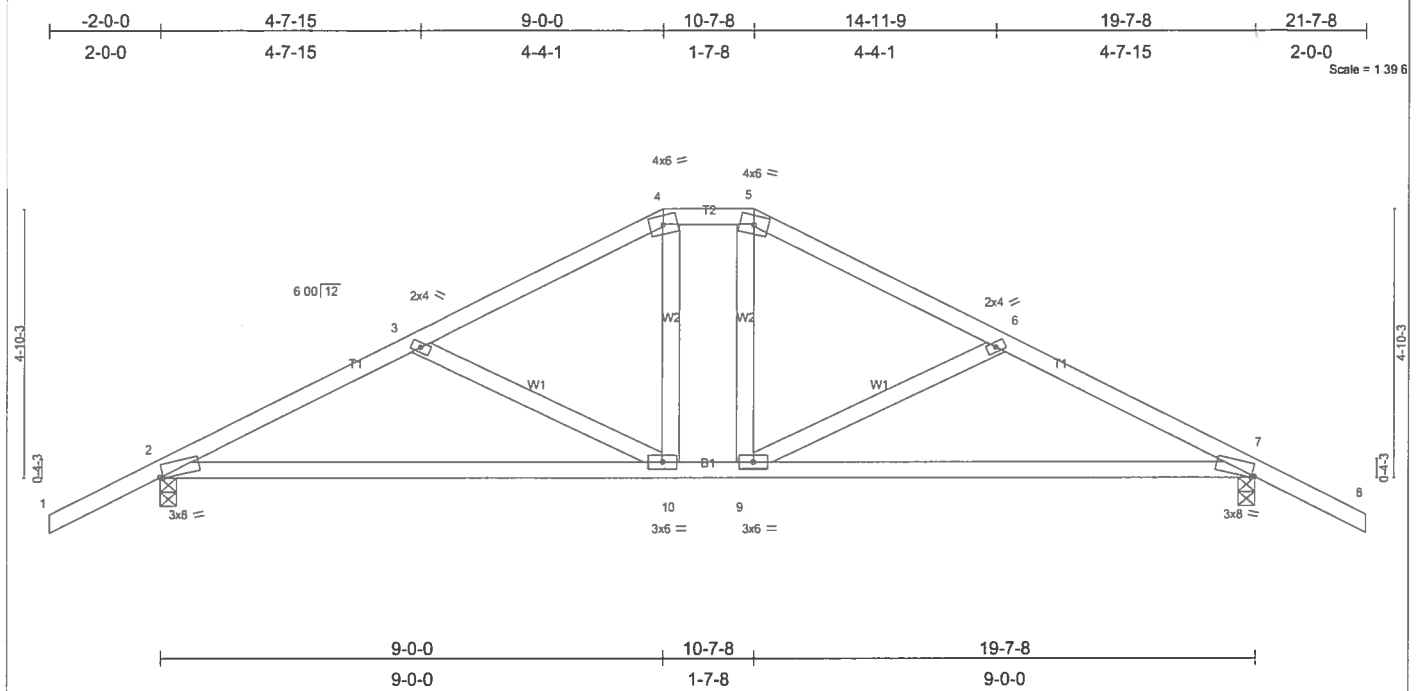


Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.54	Vert(LL) -0.17 2-10 >999 240	Weight: 96 lb	
BCLL 10.0	Lumber Increase 1.25	WB 0.15	Vert(TL) -0.27 2-10 >855 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 7 n/a n/a		
Code FBC2004/TPI2002					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-3-1 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=928/0-3-8, 7=928/0-3-8
 Max Horz 2=101(load case 5)
 Max Uplift 2=-385(load case 5), 7=-385(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1304/553, 3-4=-1037/434, 4-5=-883/441, 5-6=-1037/434, 6-7=-1304/553, 7-8=0/47
 BOT CHORD 2-10=-334/1129, 9-10=-138/883, 7-9=-334/1129
 WEBS 3-10=-309/228, 4-10=-61/283, 5-9=-61/283, 6-9=-309/228

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 385 lb uplift at joint 2 and 385 lb uplift at joint 7.

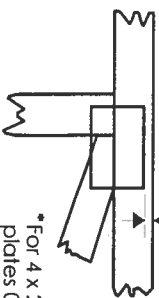
LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seal.



* For 4 x 2 orientation, locate plates 0-1/8" from outside edge of truss.



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

* Plate location details available in Mitek 20/20 software or upon request.

PLATE SIZE

4 X 4

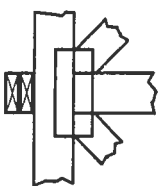
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING



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

Industry Standards:

ANSI/TP11:

National Design Specification for Metal Plate Connected Wood Truss Construction, Design Standard for Bracing.

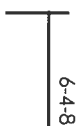
DSB-89:

Building Component Safety Information, Guide to Good Practice for Handling,

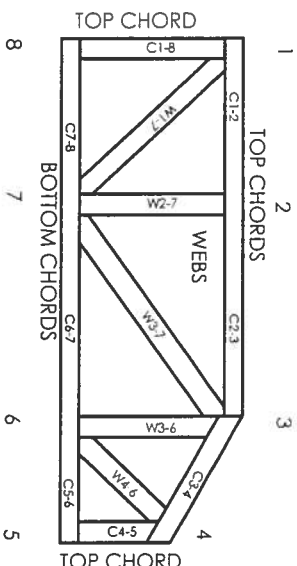
BCS11:

Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



dimensions shown in ft-in-sixteenths



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP11.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP11.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.



Mitek Engineering Reference Sheet: MII-7473

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