

Project Information for:

Builder: L161089
 Lot: Compass Bldrs.
 Subdivision: Lot 40
 County or City: Rolling Meadows
 Truss Page Count: Columbia County
 40

Date: 4/20/2006
 Start Number: 1658

Truss Design Load Information (UNO)

Design Program: MiTek 5.2 / 6.2

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

Note: See individual truss drawings for special loading conditions

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

KIRSCH, JACOB CHRISTOPHER CBC1253775
 Address: 1030 SW ROSSBROUGH CT #101
 LAKE CITY, FLORIDA 32025

Designer: 70

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

Notes:

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

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0420061658	4/20/2006				
2	CJ3	0420061659	4/20/2006				
3	EJ5	0420061660	4/20/2006				
4	EJ7	0420061661	4/20/2006				
5	EJ7A	0420061662	4/20/2006				
6	EJ7B	0420061663	4/20/2006				
7	EJ7C	0420061664	4/20/2006				
8	HJ7	0420061665	4/20/2006				
9	PB01	0420061666	4/20/2006				
10	PB02	0420061667	4/20/2006				
11	T01	0420061668	4/20/2006				
12	T02	0420061669	4/20/2006				
13	T03	0420061670	4/20/2006				
14	T04	0420061671	4/20/2006				
15	T05	0420061672	4/20/2006				
16	T06	0420061673	4/20/2006				
17	T07	0420061674	4/20/2006				
18	T08	0420061675	4/20/2006				
19	T09	0420061676	4/20/2006				
20	T10	0420061677	4/20/2006				
21	T11G	0420061678	4/20/2006				
22	T12	0420061679	4/20/2006				
23	T13G	0420061680	4/20/2006				
24	T14	0420061681	4/20/2006				
25	T15	0420061682	4/20/2006				
26	T16	0420061683	4/20/2006				
27	T17	0420061684	4/20/2006				
28	T18	0420061685	4/20/2006				
29	T19	0420061686	4/20/2006				
30	T20	0420061687	4/20/2006				
31	T21	0420061688	4/20/2006				
32	T21G	0420061689	4/20/2006				
33	T23	0420061690	4/20/2006				
34	T24	0420061691	4/20/2006				
35	T25	0420061692	4/20/2006				
36	T26	0420061693	4/20/2006				
37	T27	0420061694	4/20/2006				
38	T28	0420061695	4/20/2006				
39	T29	0420061696	4/20/2006				
40	T30	0420061697	4/20/2006				

APR 20 2006


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Licensee Details

Licensee Information

Name: KIRSCH, JACOB CHRISTOPHER (Primary Name)
COMPASS BUILDERS & ASSOCIATES CORP (DBA Name)
Main Address: 1030 SW ROSSBROUGH CT # 101
 LAKE CITY Florida 32025
County: COLUMBIA

License Mailing:

License Location: 197 SW WATERFORD CT #106
 LAKE CITY FL 32025
County: COLUMBIA

License Information

License Type: Certified Building Contractor
Rank: Cert Building
License Number: CBC1253775
Status: Current,Active
Licensure Date: 01/06/2006
Expires: 08/31/2006

Special Qualifications **Qualification Effective**
Qualified Business License **01/06/2006**
Required

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Job L161089	Truss CJ1	Truss Type JACK	Qty 4	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055
 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 11:24:40 2006 Page 1

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

Plate Offsets (X,Y): [2.0-3-9.0-1-8]									
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP				
TCLL 20.0	Plates Increase 1.25	TC 0.07	in (loc) l/defl L/d	MT20	244/190				
TCDL 7.0	Lumber Increase 1.25	BC 0.01	Vert(LL) -0.00 2 >999 240						
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.00 2 >999 180						
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) -0.00 3 n/a n/a						
Weight: 5 lb									

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2	BRACING TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS (lb/size) 2=126/0-4-0, 4=14/Mechanical, 3=-4/Mechanical
 Max Horz 2=72(load case 5)
 Max Uplift 2=-117(load case 5), 4=-11(load case 3), 3=-5(load case 8)
 Max Grav 2=126(load case 1), 4=14(load case 1), 3=16(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/29, 2-3=-33/10
 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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2, 11 lb uplift at joint 4 and 5 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L161089	Truss CJ3	Truss Type JACK	Qty 4	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055
 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 08:34:41 2006 Page 1

Plate Offsets (X,Y): [2-0-3-9-0-1-8]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL		PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.08	in (loc) l/defl L/d		MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.08	Vert(LL) 0.01 2-4 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Vert(TL) 0.01 2-4 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
Weight: 12 lb					

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

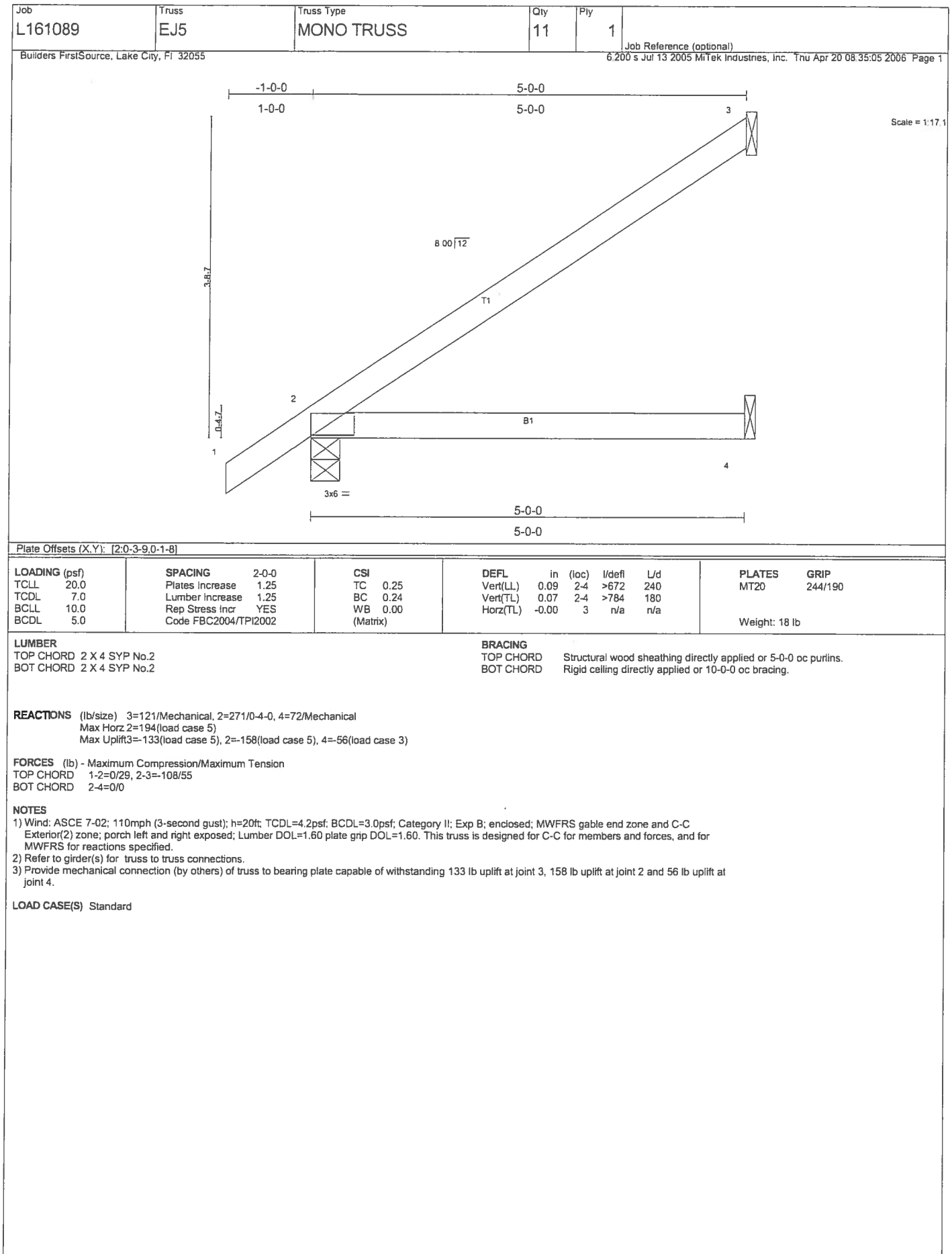
BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=62/Mechanical, 2=193/0-4-0, 4=42/Mechanical
 Max Horz 2=132(load case 5)
 Max Uplift 3=68(load case 5), 2=-129(load case 5), 4=-33(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/29, 2-3=-58/27
 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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 68 lb uplift at joint 3, 129 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard



APRIL 20, 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 L161089	Truss EJ7A	Truss Type MONO HIP	Qty 2	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 11:23:10 2006 Page 1

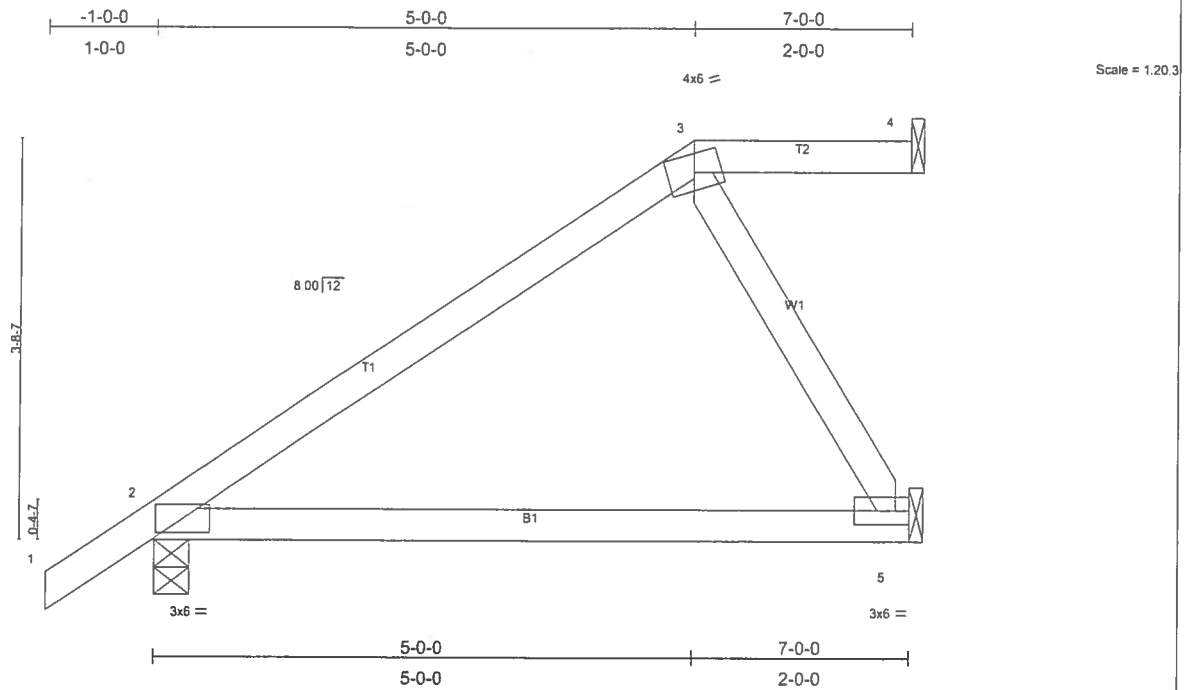


Plate Offsets (X,Y): [2:0-6-3,0-0-10], [5:Edge,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.24	Vert(LL)	-0.08	2-5	>961	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(TL)	-0.14	2-5	>562	180		
BCCL 10.0	Lumber Increase 1.25	WB 0.07	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 30 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 4=-16/Mechanical, 2=350/0-4-0, 5=296/Mechanical

Max Horz 2=197(load case 5)
 Max Uplift 4=-60(load case 3), 2=-136(load case 5), 5=-143(load case 5)
 Max Grav 4=26(load case 5), 2=350(load case 1), 5=296(load case 1)

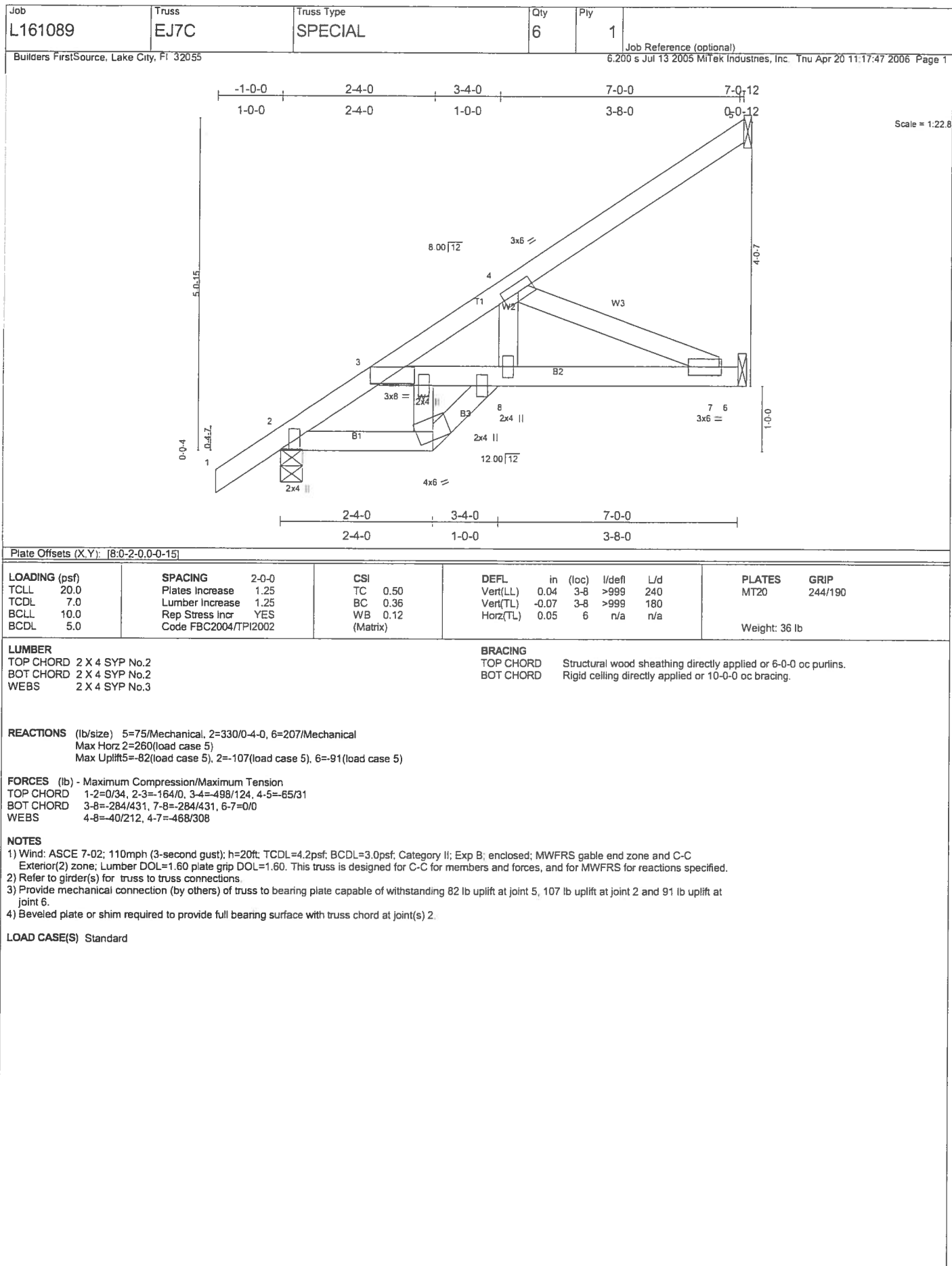
FORCES (lb) - Maximum Compression/Maximum Tension

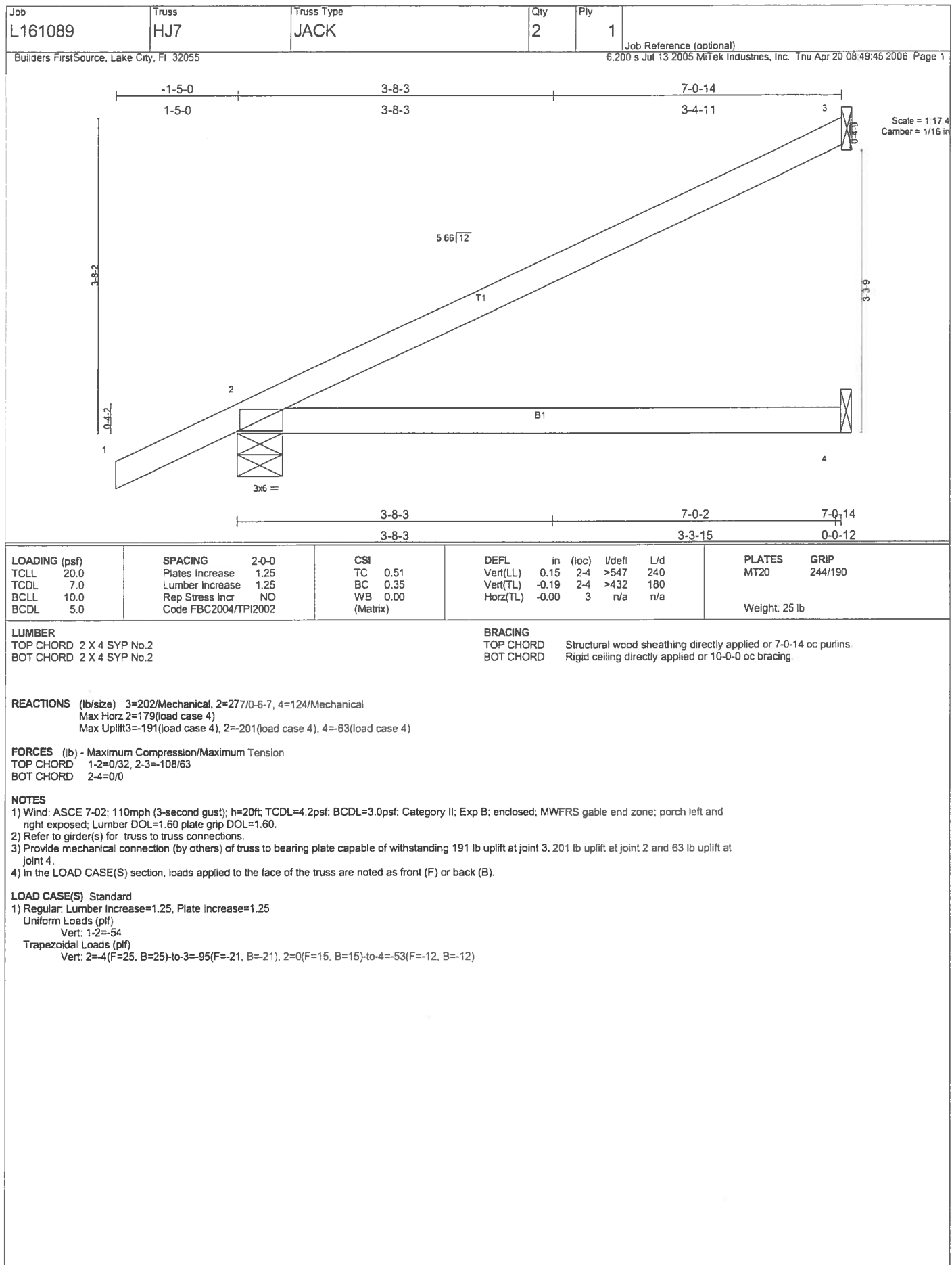
TOP CHORD 1-2=0/29, 2-3=-179/40, 3-4=-1/0
 BOT CHORD 2-5=-107/113
 WEBS 3-5=-234/221

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.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 4, 136 lb uplift at joint 2 and 143 lb uplift at joint 5.

LOAD CASE(S) Standard

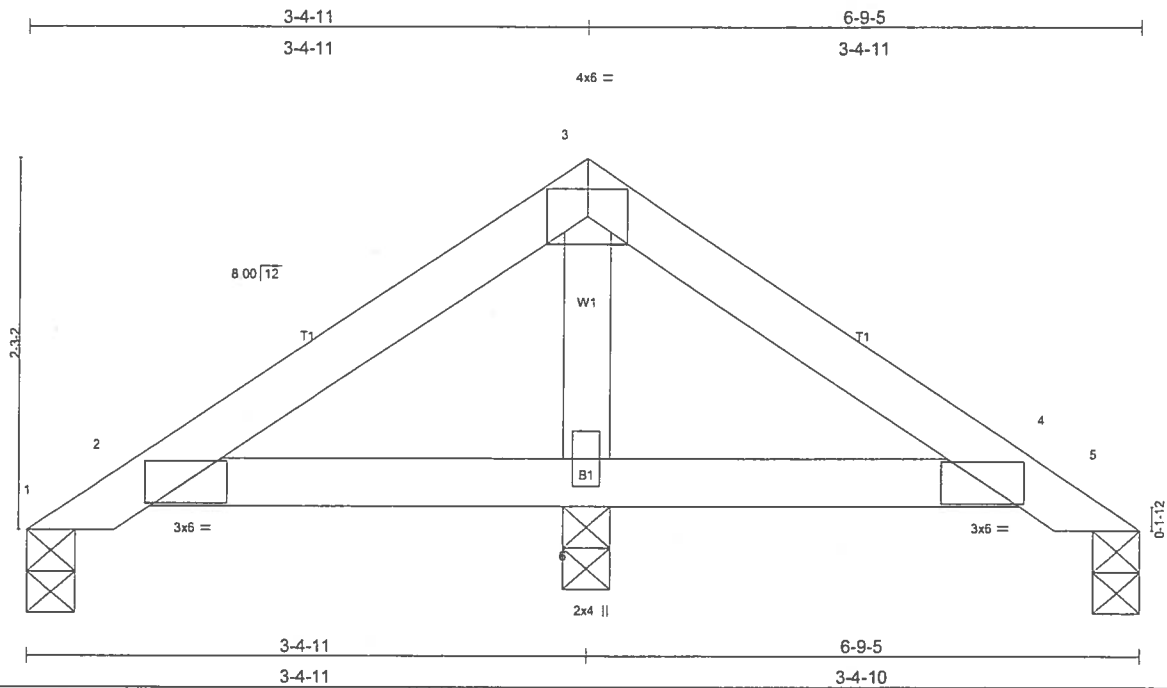




Job L161089	Truss PB01	Truss Type PIGGYBACK	Qty 9	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MTEK industries, inc. Thu Apr 20 09:03:42 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.09	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(LL) -0.00 2-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.01 4-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 22 lb	

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 1=43/0-3-8, 5=43/0-3-8, 6=437/0-3-8
 Max Horz 1=-75(load case 3)
 Max Uplift 1=-16(load case 6), 5=-32(load case 3), 6=-142(load case 5)
 Max Grav 1=63(load case 9), 5=63(load case 10), 6=437(load case 1)

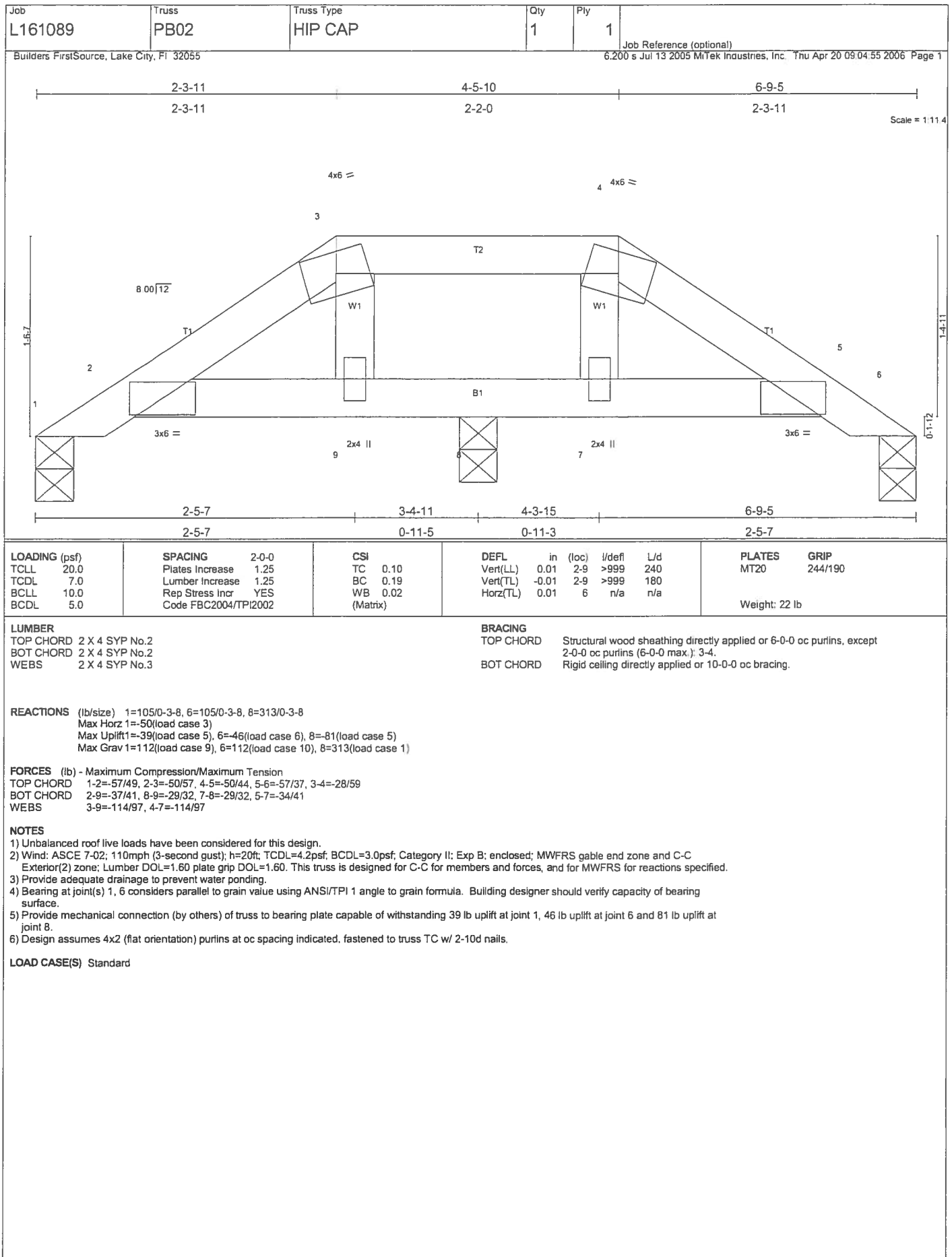
FORCES (lb) - Maximum Compression/Maximum Tension

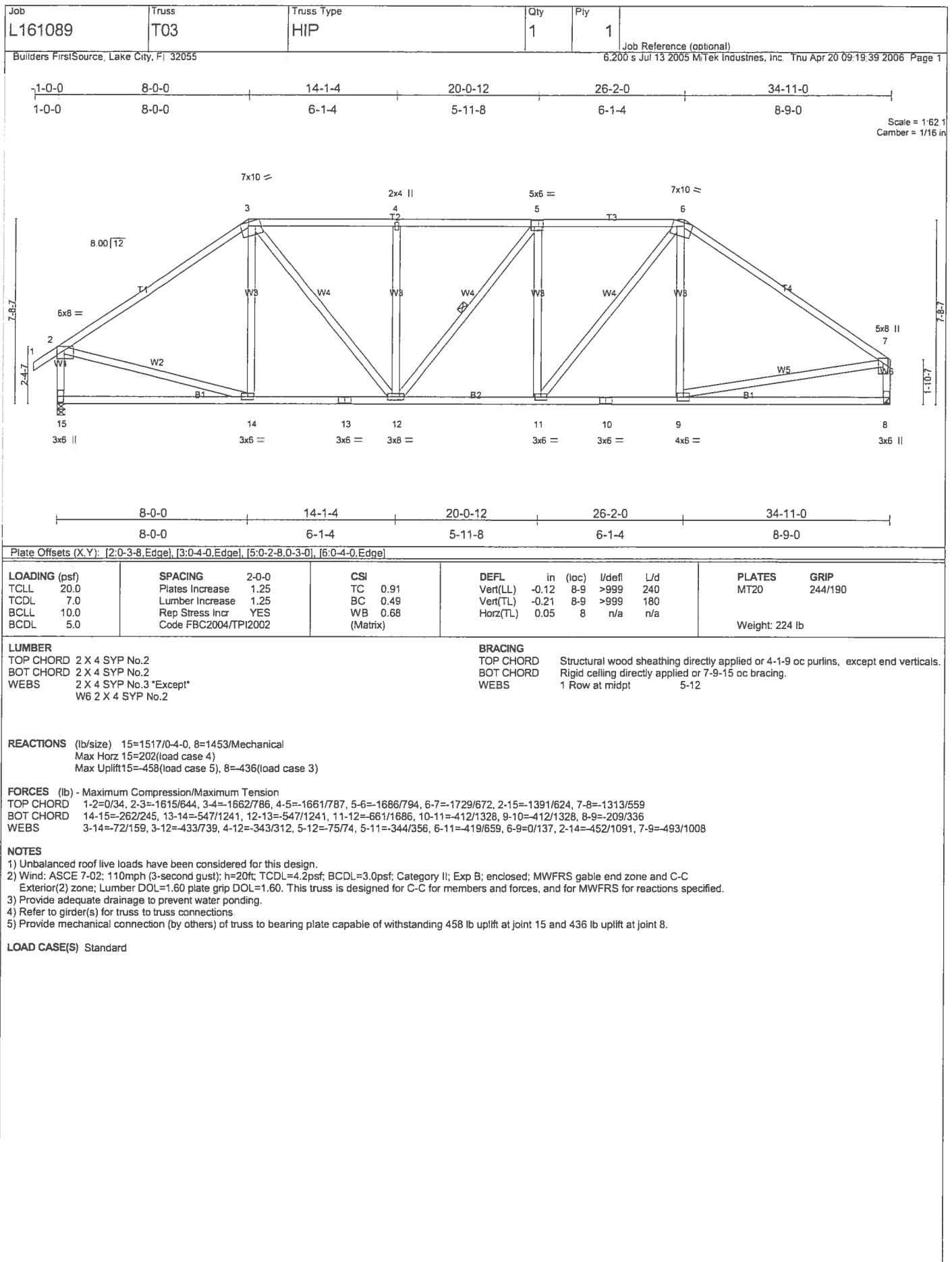
TOP CHORD 1-2=-64/69, 2-3=-55/172, 3-4=-53/172, 4-5=-31/22
 BOT CHORD 2-6=-102/99, 4-6=-102/99
 WEBS 3-6=-312/178

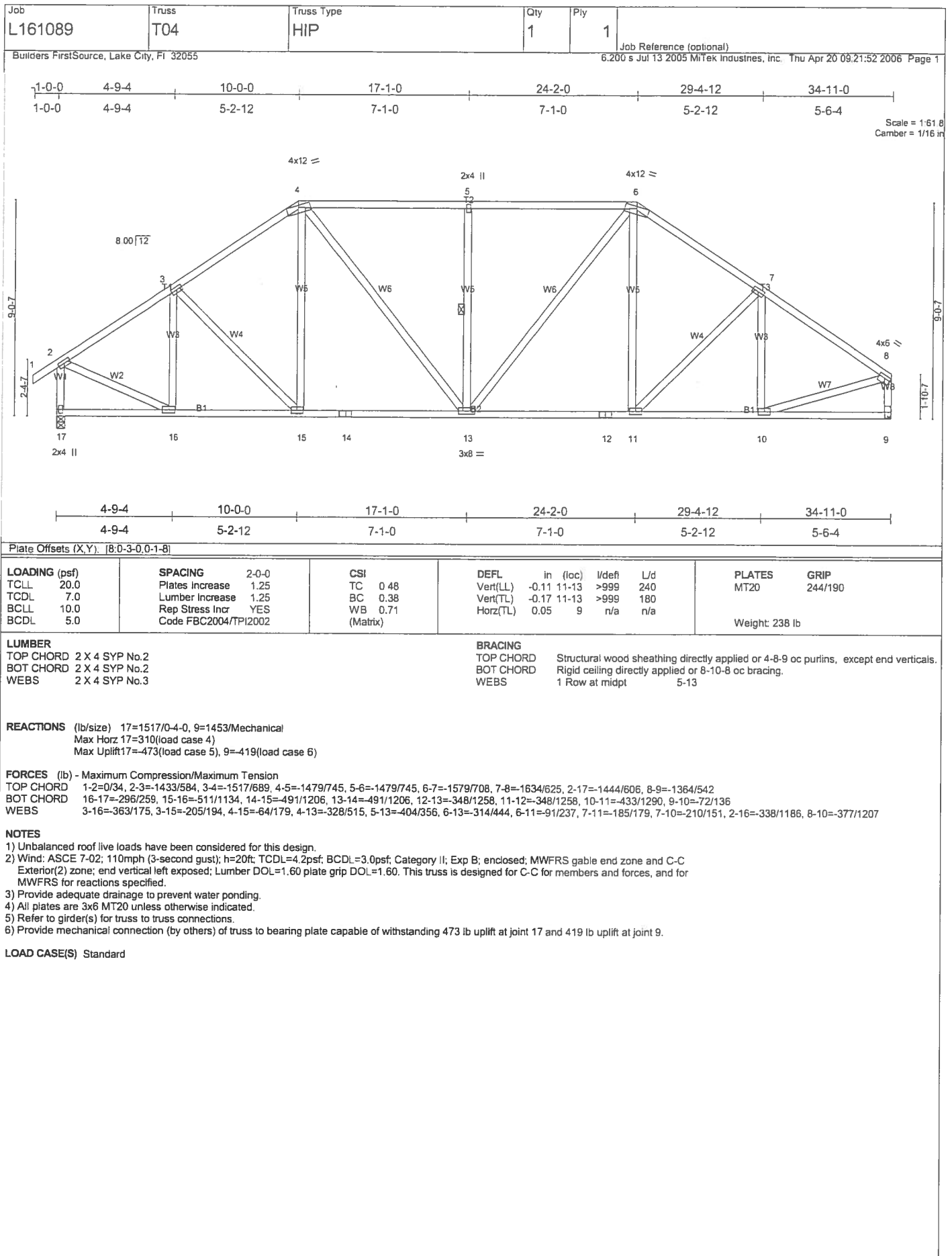
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Bearing at joint(s) 1, 5 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 16 lb uplift at joint 1, 32 lb uplift at joint 5 and 142 lb uplift at joint 6.

LOAD CASE(S) Standard







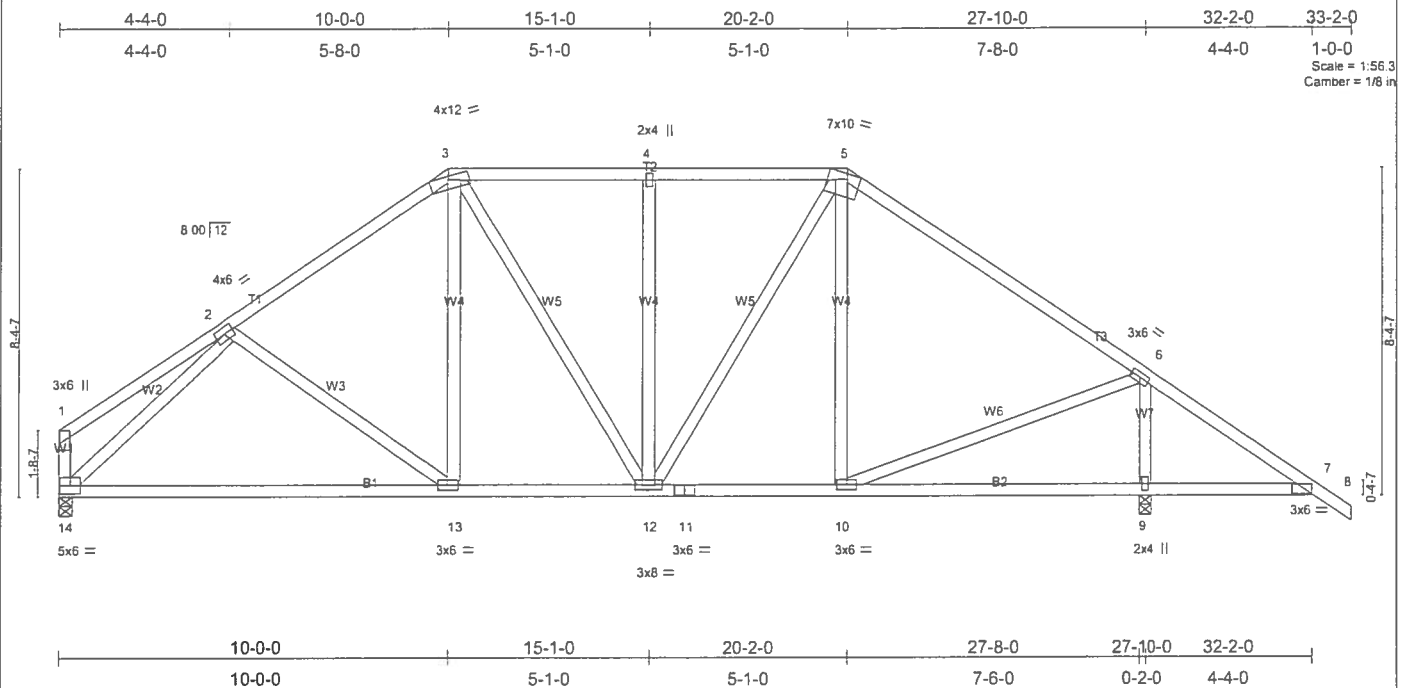


Plate Offsets (X,Y): [5:0-4-0.Edge], [7:0-3-9.0-1-8]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.85	Vent(LL) -0.18 13-14 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.52	Vent(TL) -0.31 13-14 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.60	Horz(TL) 0.03 9 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			Weight: 203 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 5-7-8 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS

REACTIONS (lb/size) 9=1619/0-4-0, 14=1125/0-4-0
Max Horz 14=-288(load case 3)
Max Uplift9=-652(load case 6), 14=-335(load case 5)

FORCES

FORCES (lb) - Maximum Compression/Maximum Tension

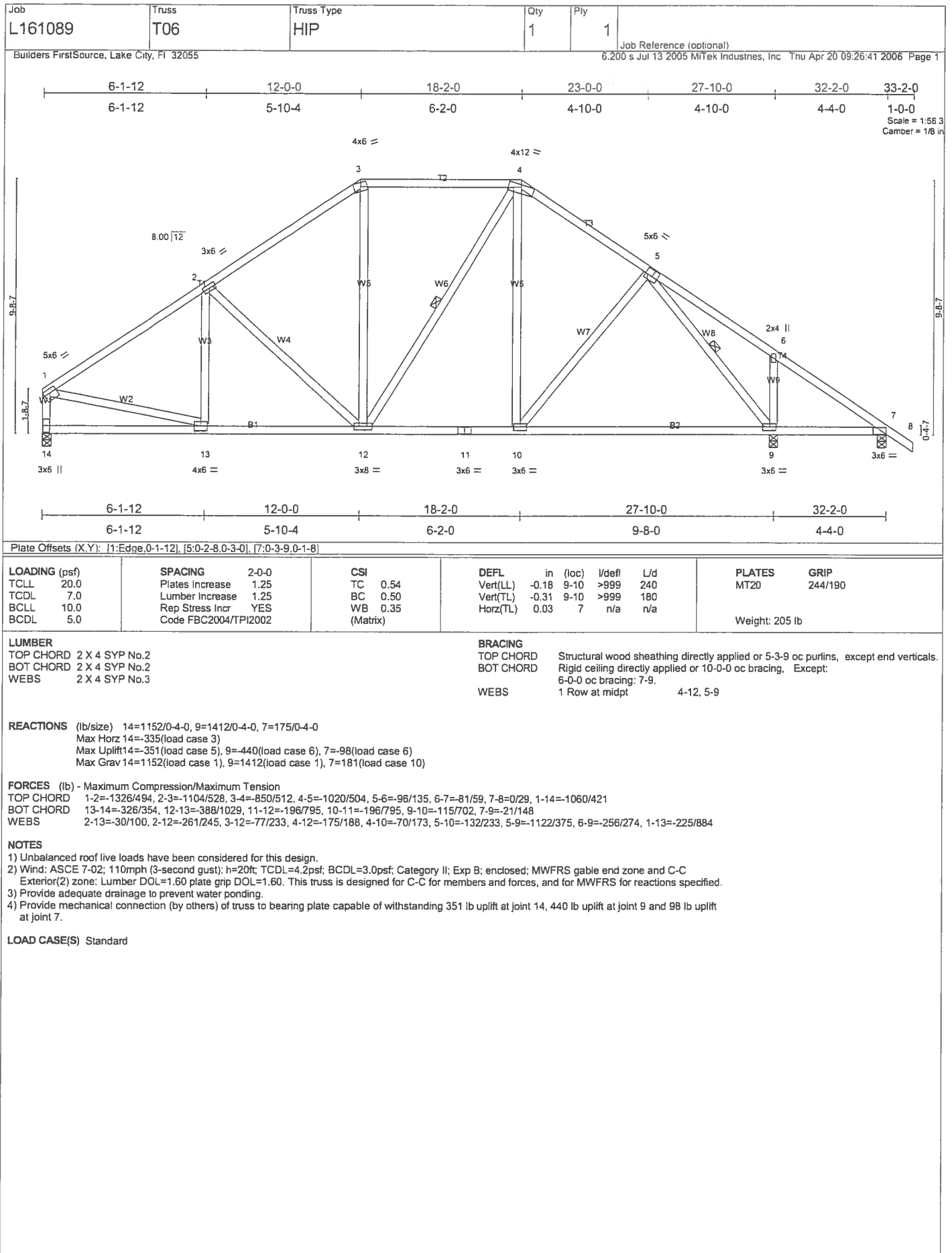
TOP CHORD	1-2=-337/68, 2-3=-1176/485, 3-4=-930/480, 4-5=-930/480, 5-6=-1022/375, 6-7=-342/371, 7-8=0/28, 1-14=-261/91
BOT CHORD	13-14=-438/918, 12-13=-360/914, 11-12=-209/751, 10-11=-209/751, 9-10=-231/355, 7-9=-231/355
WEBS	2-13=-133/195, 3-13=-59/266, 3-12=-223/132, 4-12=-264/261, 5-12=-287/401, 5-10=-157/193, 6-10=-395/1052, 6-9=-1403/778, 2-14=-986/456

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; cantilever right exposed ; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 652 lb uplift at joint 9 and 335 lb uplift at joint 14.

LOAD CASE(S) Standard

**APRIL 20, 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 TEMP	Truss T07	Truss Type HIP	Qty 1	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 M:Tek Industries, Inc. Thu Apr 20 09:28:42 2006 Page 1		

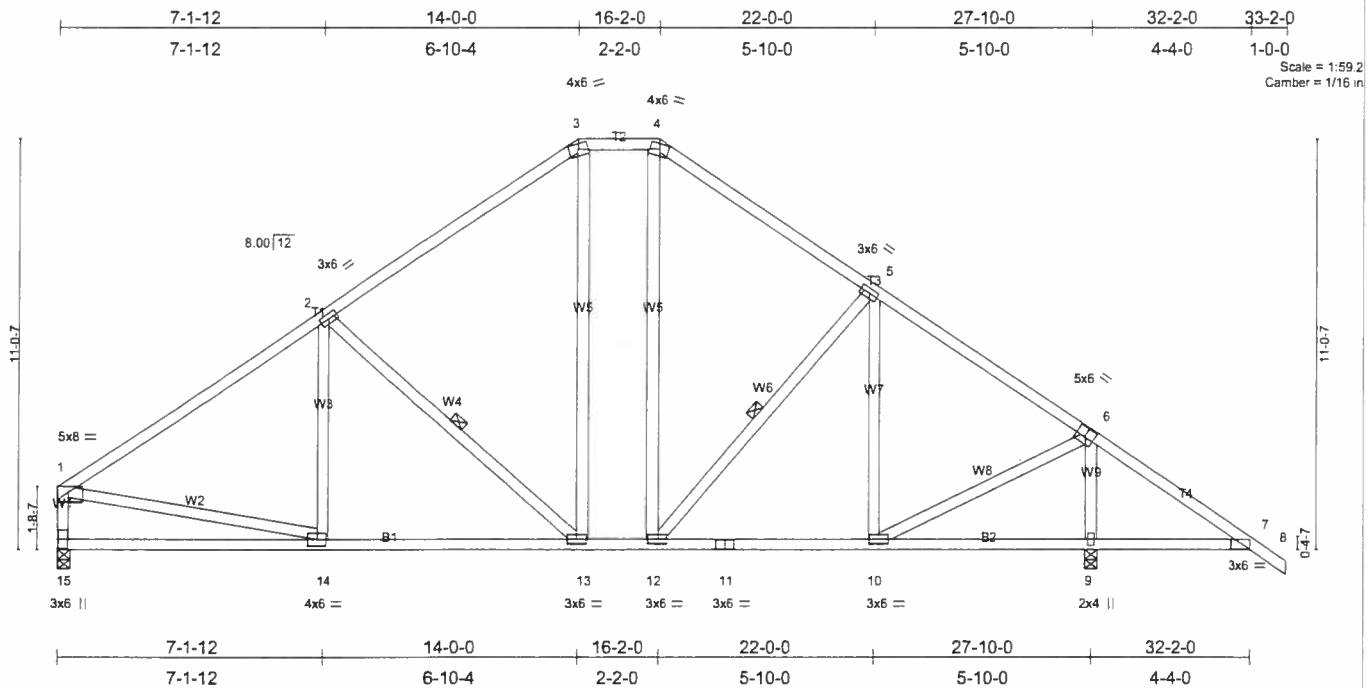


Plate Offsets (X,Y): [1:Edge,0-1-14], [6:0-3-0,0-3-0], [7:0-3-9,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.55	Vert(LL) -0.18 13-14 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.35	Vert(TL) -0.27 13-14 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 9 n/a n/a		
	Code FBC2004/TP(2002)			Weight: 208 lb	

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

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

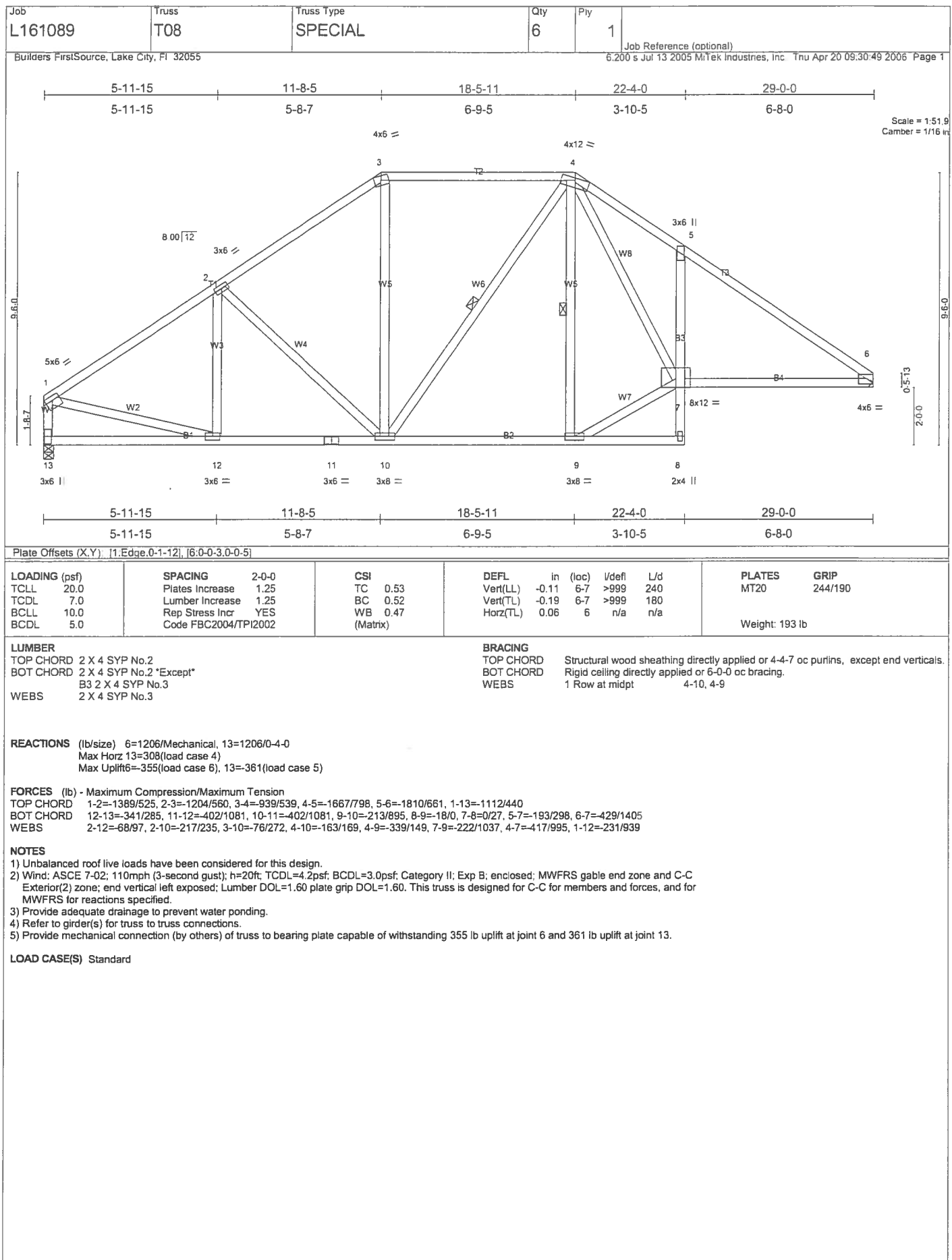
REACTIONS (lb/size) 15=1125/0-4-0, 9=1619/0-4-0
Max Horiz 15=-381(load case 3)
Max Uplift 15=-354(load case 5), 9=-675(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1315/455, 2-3=-963/452, 3-4=-708/455, 4-5=-933/459, 5-6=-920/321, 6-7=-356/416, 7-8=0/28, 1-15=-1024/391
BOT CHORD 14-15=-365/404, 13-14=-328/1011, 12-13=-146/708, 11-12=-84/692, 10-11=-84/692, 9-10=-279/378, 7-9=-279/378
WEBS 2-14=0/100, 2-13=-443/332, 3-13=-103/292, 4-12=-125/227, 5-12=-199/203, 5-10=-334/251, 6-10=-408/1081, 6-9=-1433/733, 1-14=-155/822

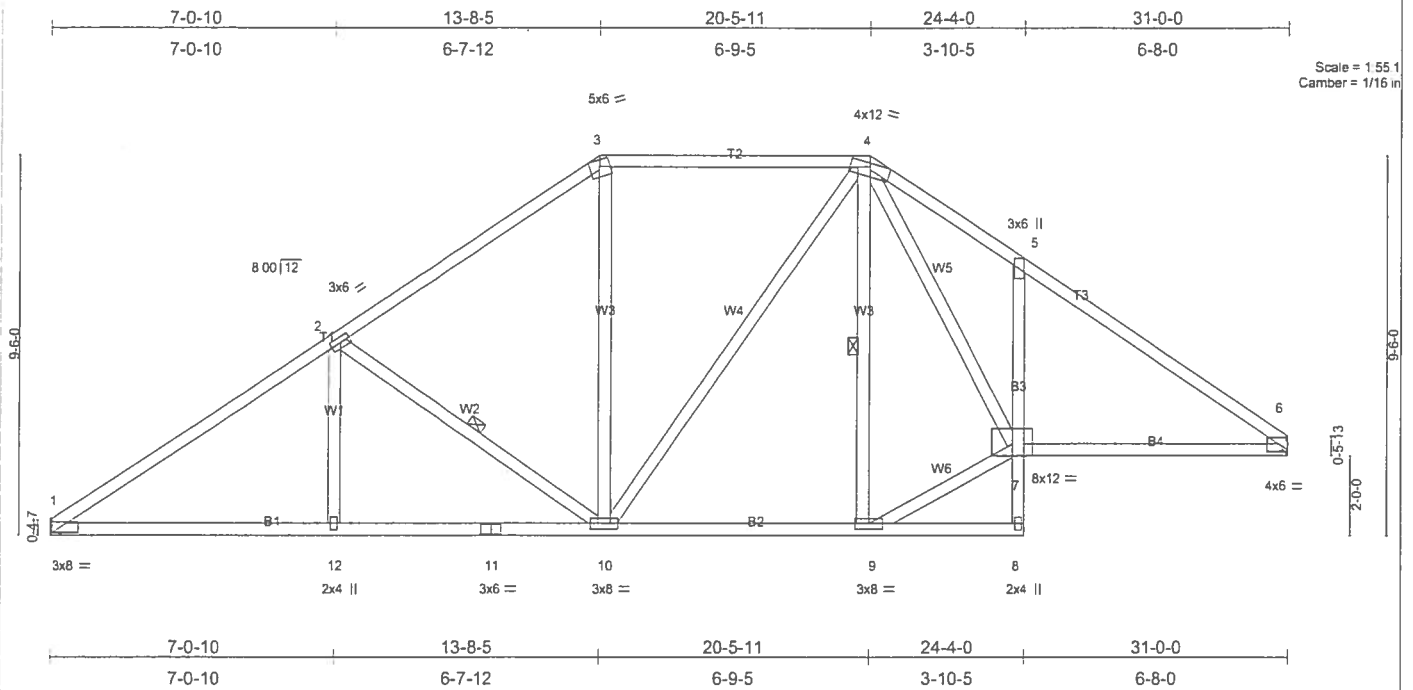
NOTES

- 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; cantilever right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 15 and 675 lb uplift at joint 9.

LOAD CASE(S) Standard



Job L161089	Truss T09	Truss Type SPECIAL	Qty 2	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 10:28:30 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.36	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.55	Vert(LL) -0.13 1-12 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.50	Vert(TL) -0.21 1-12 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.08 6 n/a n/a		
Weight: 188 lb					

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins.
BOT CHORD 2 X 4 SYP No.2 *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 2-10, 4-9
WEBS 2 X 4 SYP No.3	

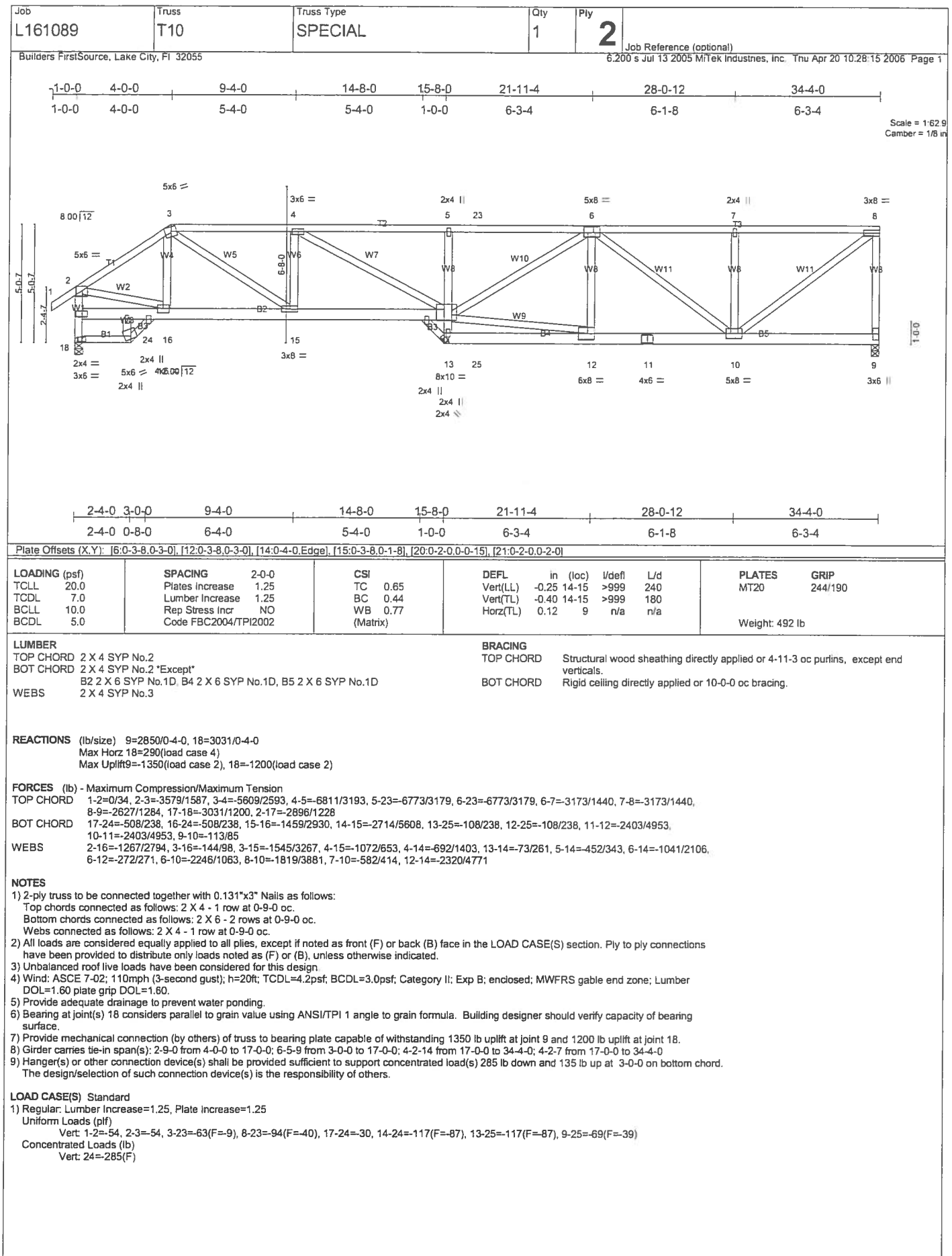
REACTIONS (lb/size) 1=1290/Mechanical, 6=1290/Mechanical
 Max Horz 1=311(load case 4)
 Max Uplift 1=398(load case 5), 6=376(load case 6)

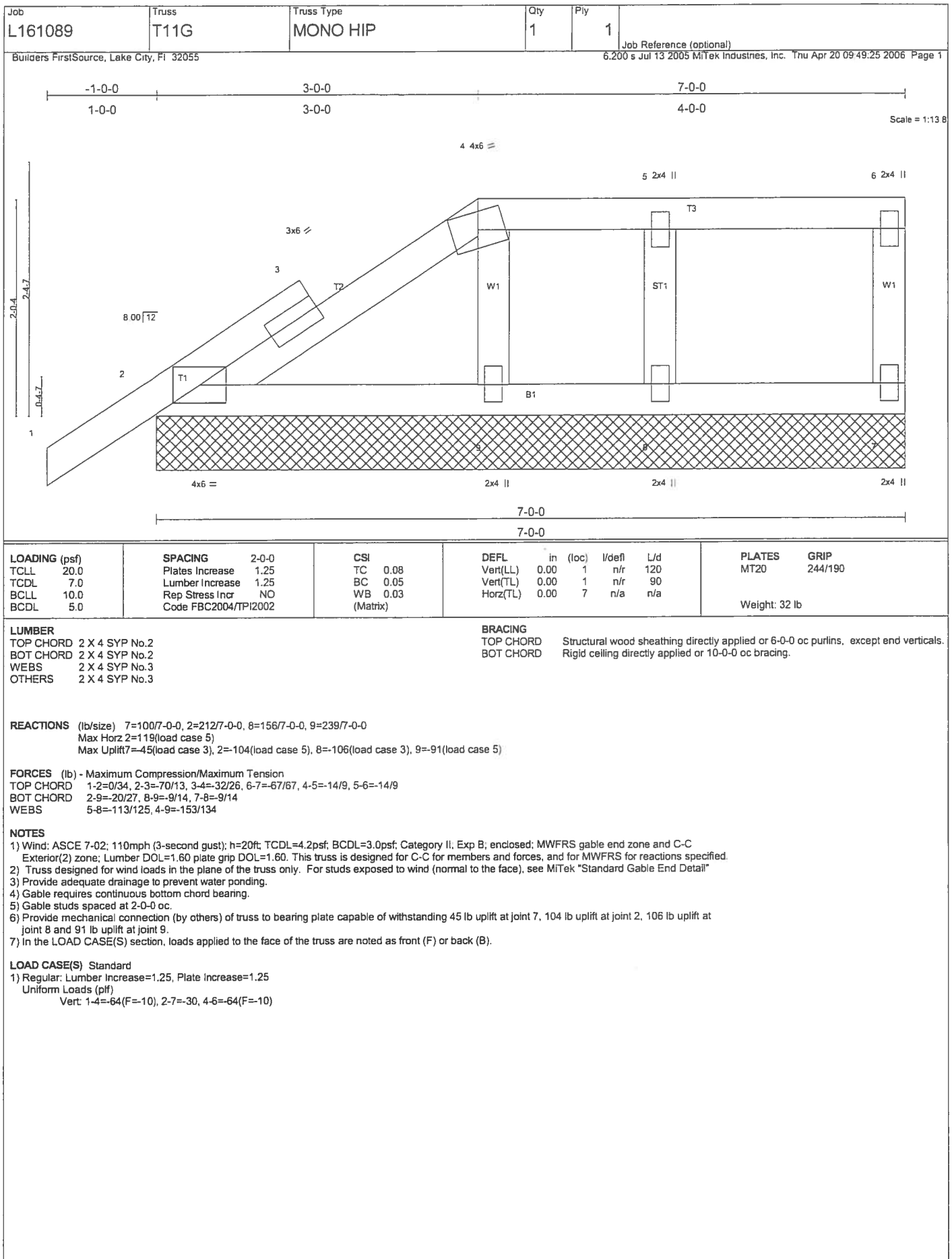
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=1953/695, 2-3=1413/619, 3-4=1095/595, 4-5=1812/851, 5-6=1956/713
 BOT CHORD 1-12=559/1534, 11-12=559/1534, 10-11=559/1534, 9-10=240/990, 8-9=18/0, 7-8=0/28, 5-7=189/299, 6-7=472/1525
 WEBS 2-12=0/243, 2-10=544/363, 3-10=87/362, 4-10=181/270, 4-9=391/162, 7-9=256/1142, 4-7=438/1051

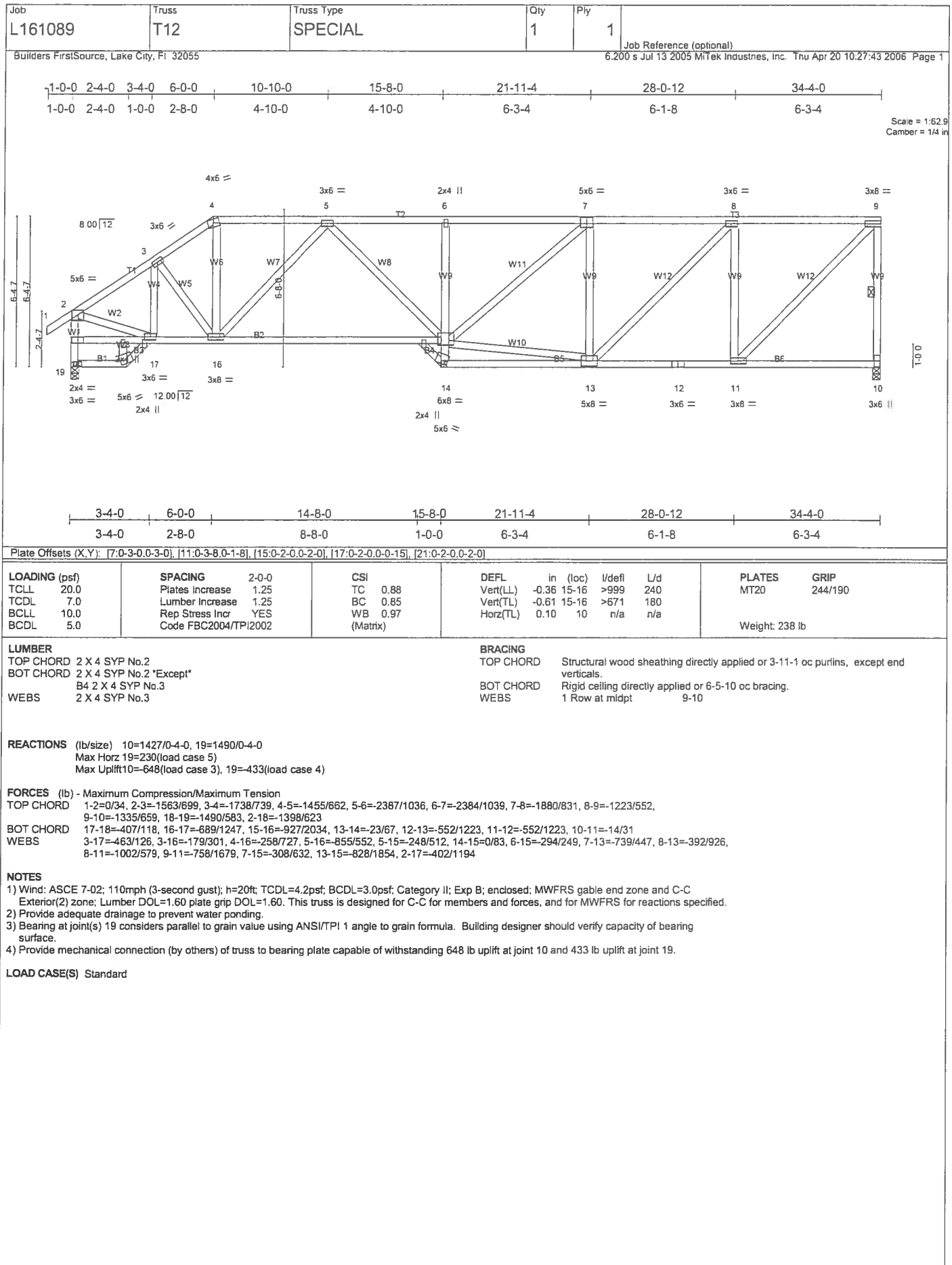
NOTES

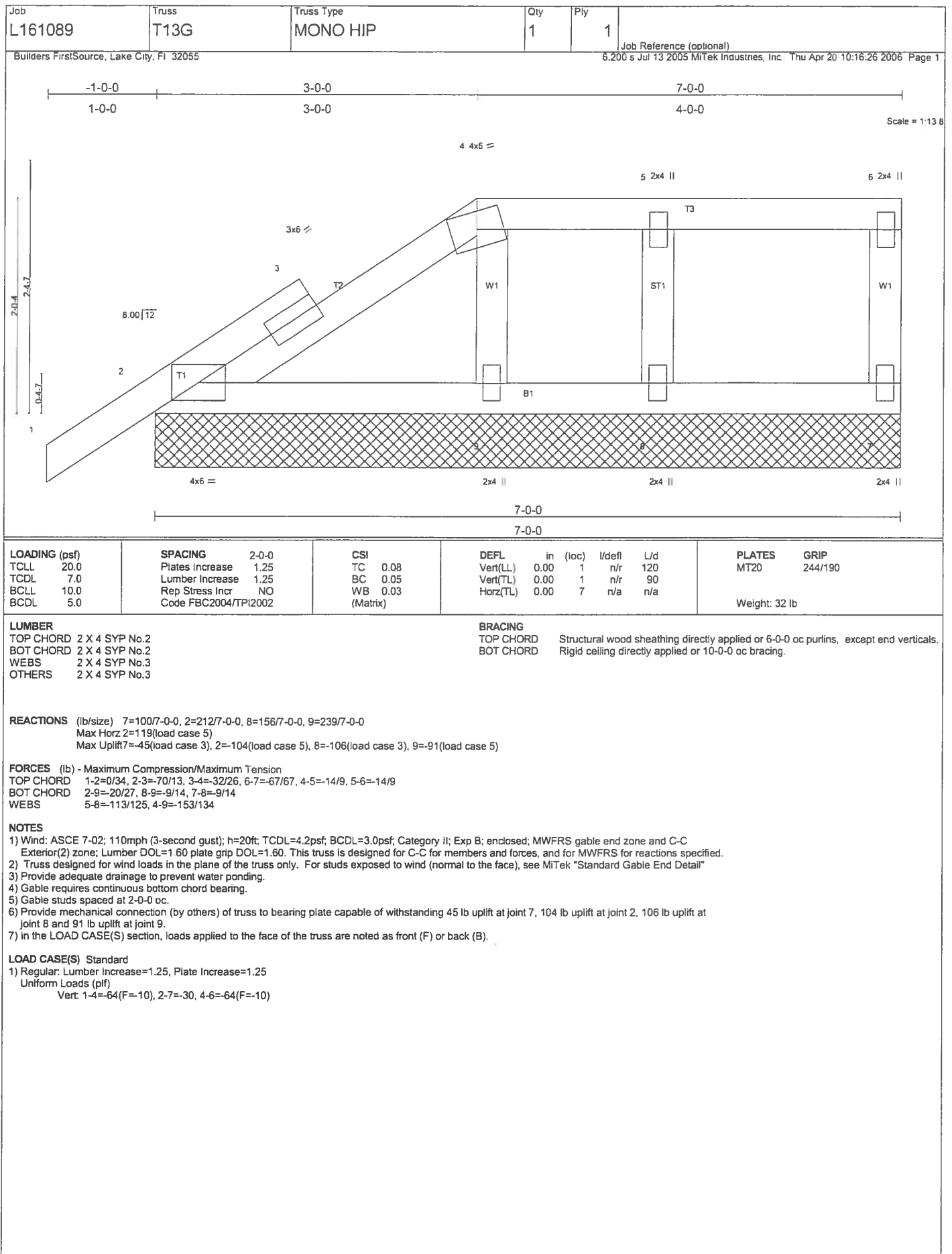
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 398 lb uplift at joint 1 and 376 lb uplift at joint 6.

LOAD CASE(S) Standard









Job L161089	Truss T14	Truss Type SPECIAL	Qty 1	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 11:25:21 2006 Page 1		

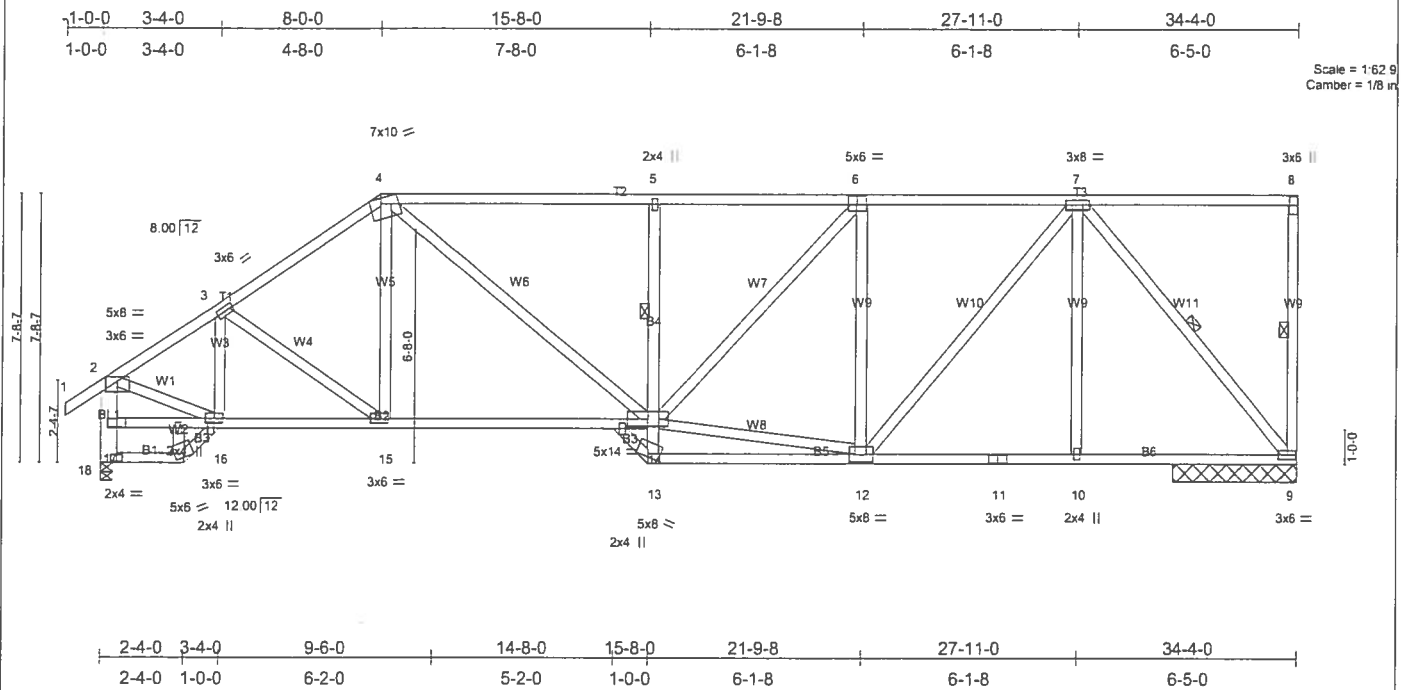


Plate Offsets (X,Y): [4:0-4-0,Edge], [6:0-3-0,0-3-0], [16:0-2-0,0-0-15], [20:0-2-0,0-2-4]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc)	L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.42	Vert(LL) -0.16 14-15 >999 240		MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.46	Vert(TL) -0.27 14-15 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.75	Horz(TL) 0.09 9 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 251 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 7-4-11 oc bracing. Except:
B4 2 X 4 SYP No.3	1 Row at midpt 5-14
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 8-9, 7-9
OTHERS 2 X 6 SYP No.1D	

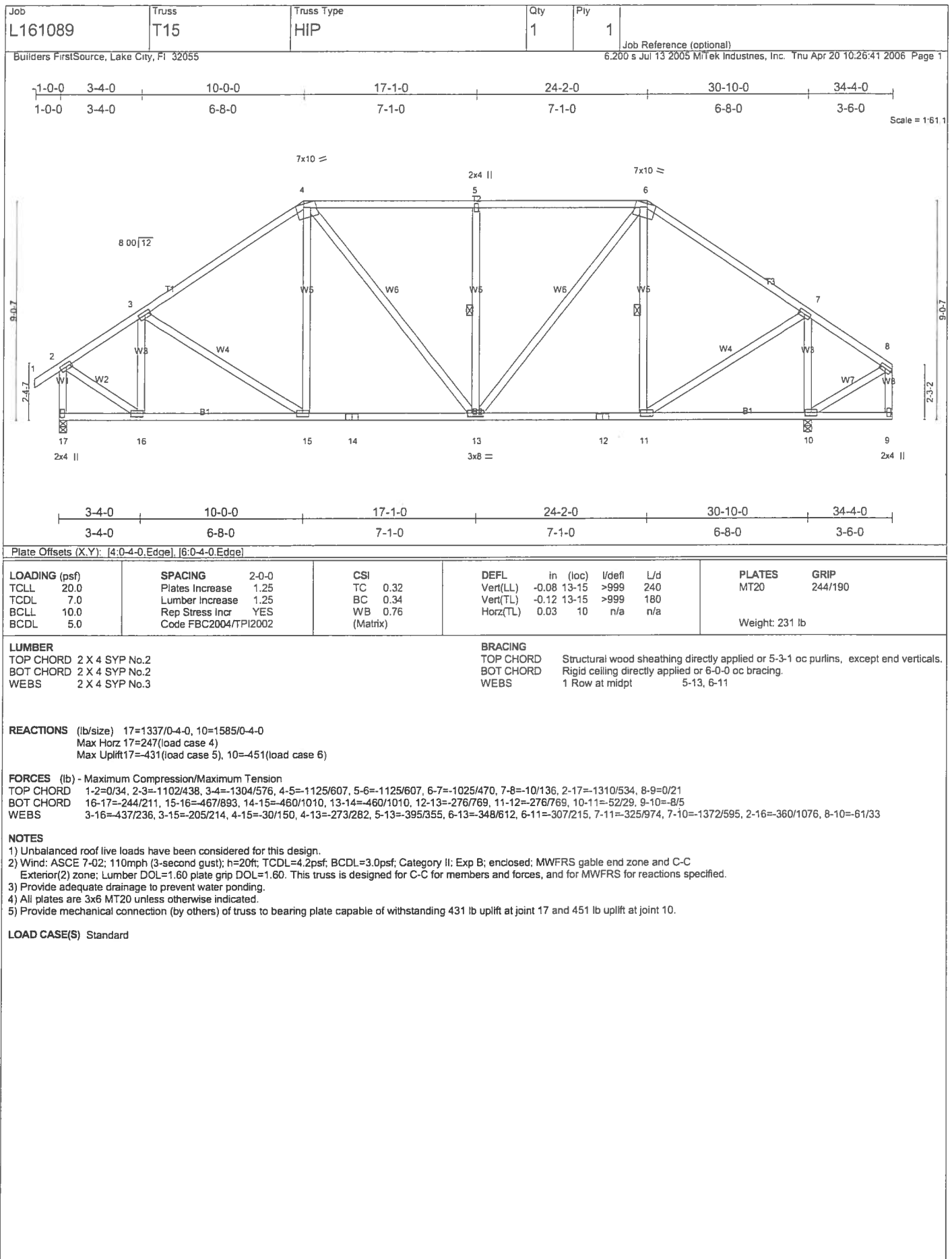
REACTIONS (lb/size) 9=1425/3-8-0, 18=1494/0-4-0
 Max Horz 18=293(load case 5)
 Max Uplift 9=623(load case 3), 18=429(load case 5)

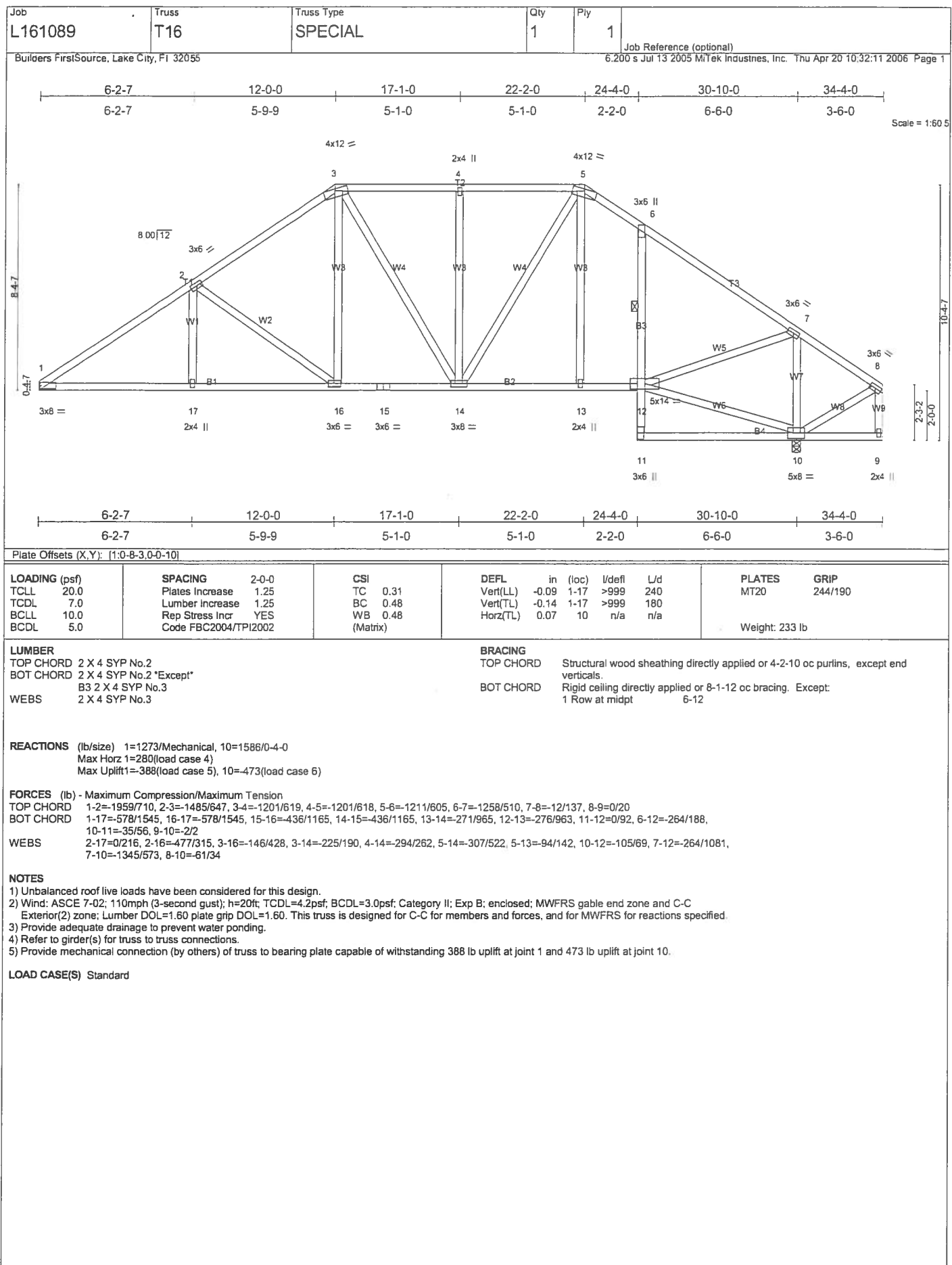
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/37, 2-3=1529/676, 3-4=1716/725, 4-5=1928/845, 5-6=1902/835, 6-7=1540/653, 7-8=23/11, 8-9=153/126, 17-18=1494/568,
 2-17=1428/586
 BOT CHORD 16-17=520/78, 15-16=738/1226, 14-15=675/1390, 13-14=0/94, 5-14=377/336, 12-13=79/99, 11-12=441/1023, 10-11=441/1023,
 9-10=441/1023
 WEBS 12-14=596/1475, 6-14=258/518, 6-12=694/411, 7-12=354/811, 7-10=0/192, 7-9=1548/667, 4-15=49/163, 4-14=433/696,
 3-16=372/121, 2-16=261/1231, 3-15=226/195

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) Bearing at joint(s) 18 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 623 lb uplift at joint 9 and 429 lb uplift at joint 18.
- 5) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard





Job L161089	Truss T17	Truss Type SPECIAL	Qty 1	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 11:19:33 2006 Page 1

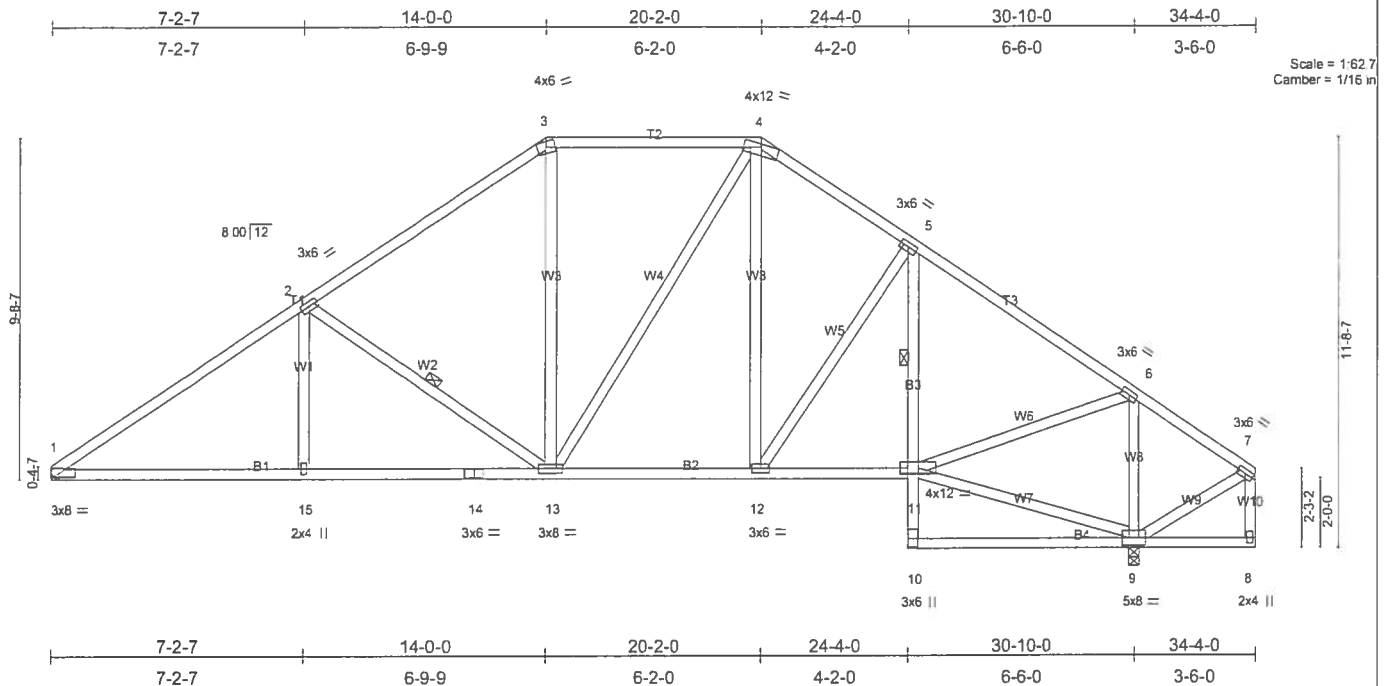
Scale = 1/62.7
Camber = 1/16 in

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.38	Vert(LL) -0.13	1-15	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.56	Vert(TL) -0.21	1-15	>999	180			
BCLL 10.0	Rep Stress Incr YES	WB 0.46	Horz(TL) 0.07	9	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 230 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-0-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 1 Row at midpt 5-11
 WEBS 1 Row at midpt 2-13

REACTIONS (lb/size) 1=1273/Mechanical, 9=1586/0-4-0
 Max Horz 1=326(load case 4)
 Max Uplift 1=399(load case 5), 9=487(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1921/687, 2-3=-1362/608, 3-4=-1049/587, 4-5=-1196/595, 5-6=-1259/512, 6-7=-12/137, 7-8=0/21
 BOT CHORD 1-15=-496/1506, 14-15=-496/1506, 13-14=-496/1506, 12-13=-229/944, 11-12=-217/963, 10-11=0/92, 5-11=-238/130, 9-10=0/39, 8-9=-1/1
 WEBS 2-15=0/253, 2-13=-566/372, 3-13=-92/344, 4-13=-183/279, 4-12=-130/217, 5-12=-151/193, 9-11=-92/25, 6-11=-273/1081, 6-9=-1346/568, 7-9=-60/42

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) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 399 lb uplift at joint 1 and 487 lb uplift at joint 9.

LOAD CASE(S) Standard

Job L161089	Truss T18	Truss Type SPECIAL	Qty 1	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 11:19:23 2006 Page 1		

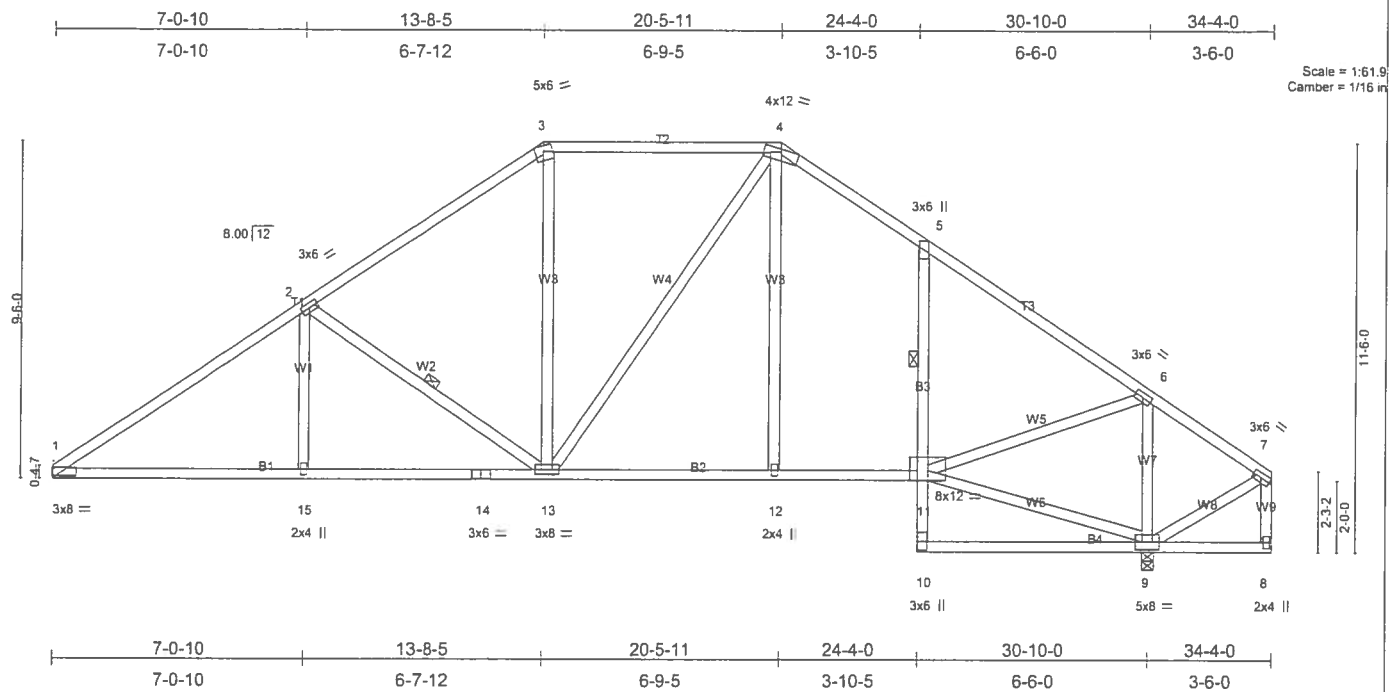


Plate Offsets (X,Y): [1:0-8-3.0-0-10]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	2-0-0	TC 0.36	Vert(LL) 0.19	5	>999	240	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.54	Vert(TL) -0.21	1-15	>999	180		
BCCL 10.0	Lumber Increase 1.25	WB 0.51	Horz(TL) 0.08	9	n/a	n/a		
BCCL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 217 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 1 Row at midpt 5-11
 WEBS 1 Row at midpt 2-13

REACTIONS (lb/size) 1=1273/Mechanical, 9=1586/0-4-0
 Max Horz 1=319(load case 4)
 Max Uplift 1=397(load case 5), 9=485(load case 6)

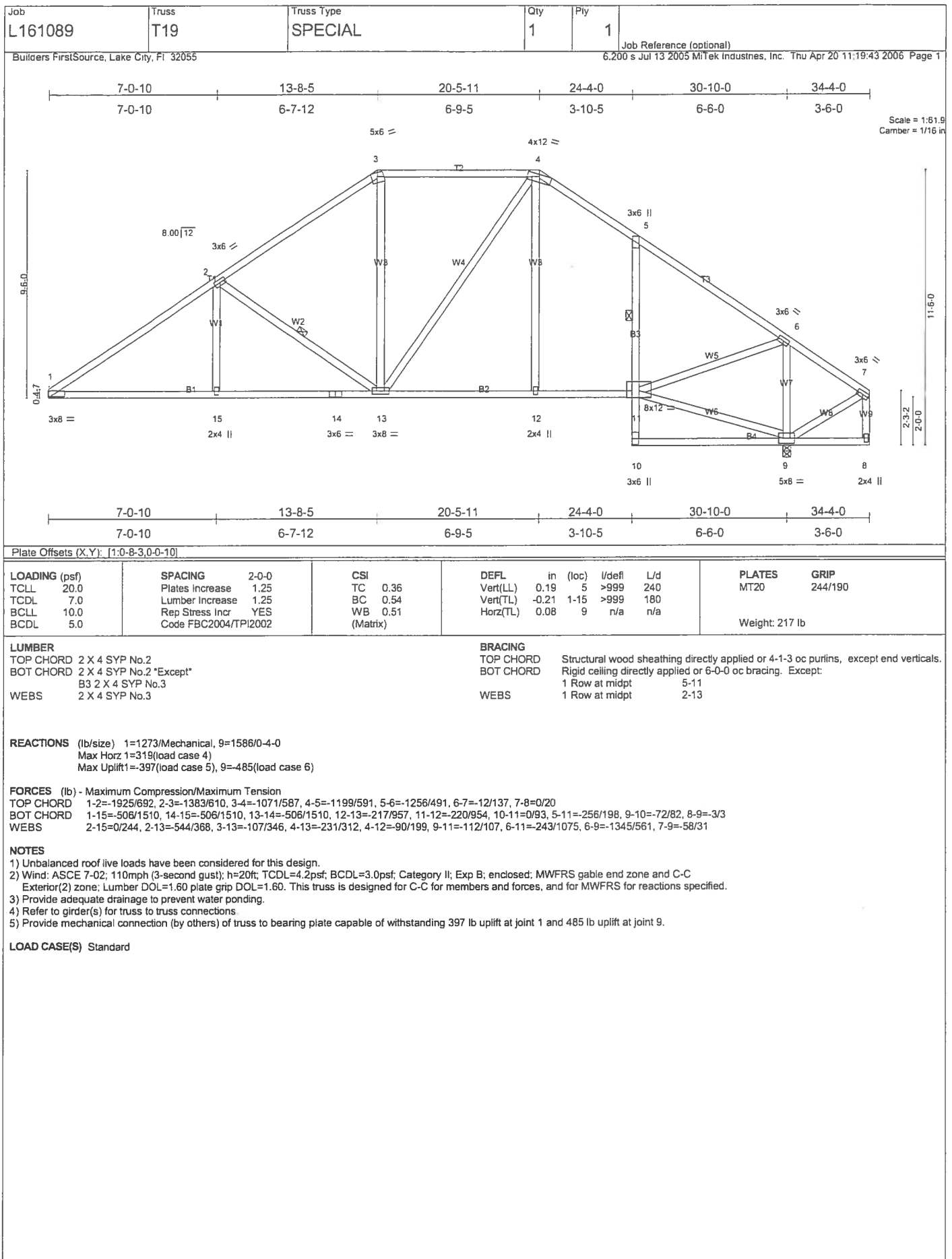
FORCES (lb) - Maximum Compression/Maximum Tension

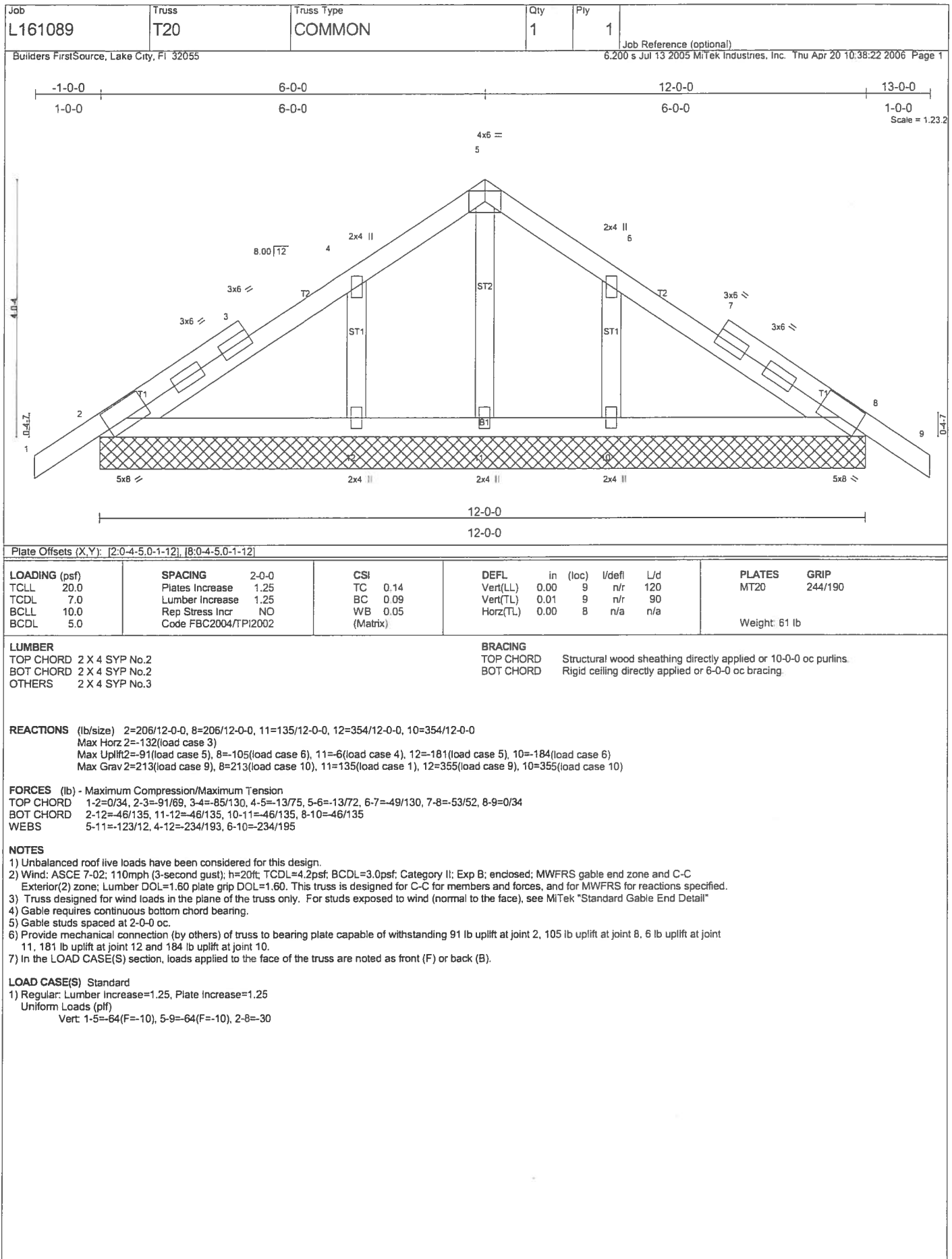
TOP CHORD 1-2=-1925/692, 2-3=-1383/610, 3-4=-1071/587, 4-5=-1199/591, 5-6=-1256/491, 6-7=-12/137, 7-8=0/20
 BOT CHORD 1-15=-506/1510, 14-15=-506/1510, 13-14=-506/1510, 12-13=-217/957, 11-12=-220/954, 10-11=0/93, 5-11=-256/198, 9-10=-72/82, 8-9=-3/3
 WEBS 2-15=0/244, 2-13=-544/368, 3-13=-107/346, 4-13=-231/312, 4-12=-90/199, 9-11=-112/107, 6-11=-243/1075, 6-9=-1345/561, 7-9=-58/31

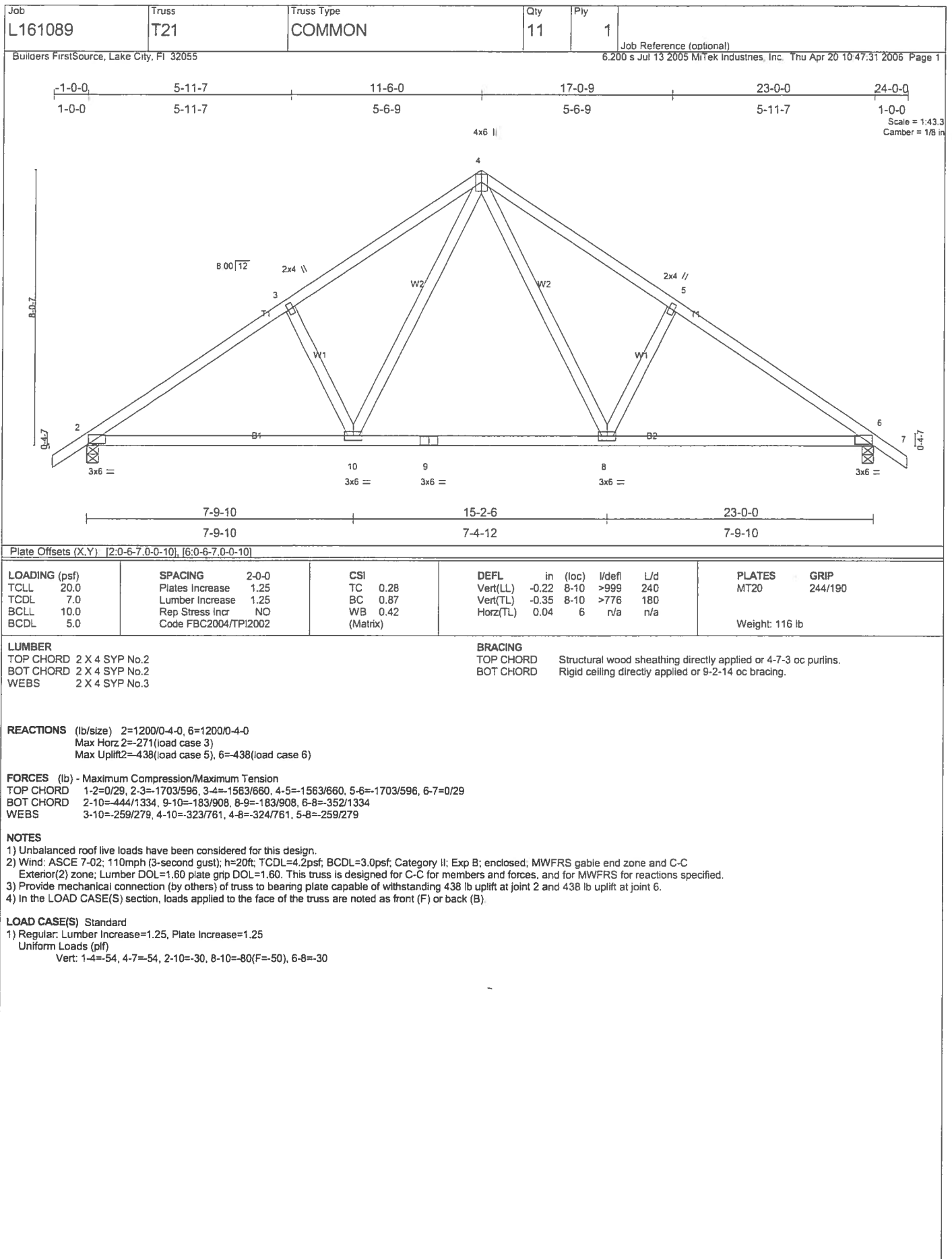
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 397 lb uplift at joint 1 and 485 lb uplift at joint 9.

LOAD CASE(S) Standard







Job L161089	Truss T21G	Truss Type COMMON	Qty 1	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 10:46:44 2006 Page 1		

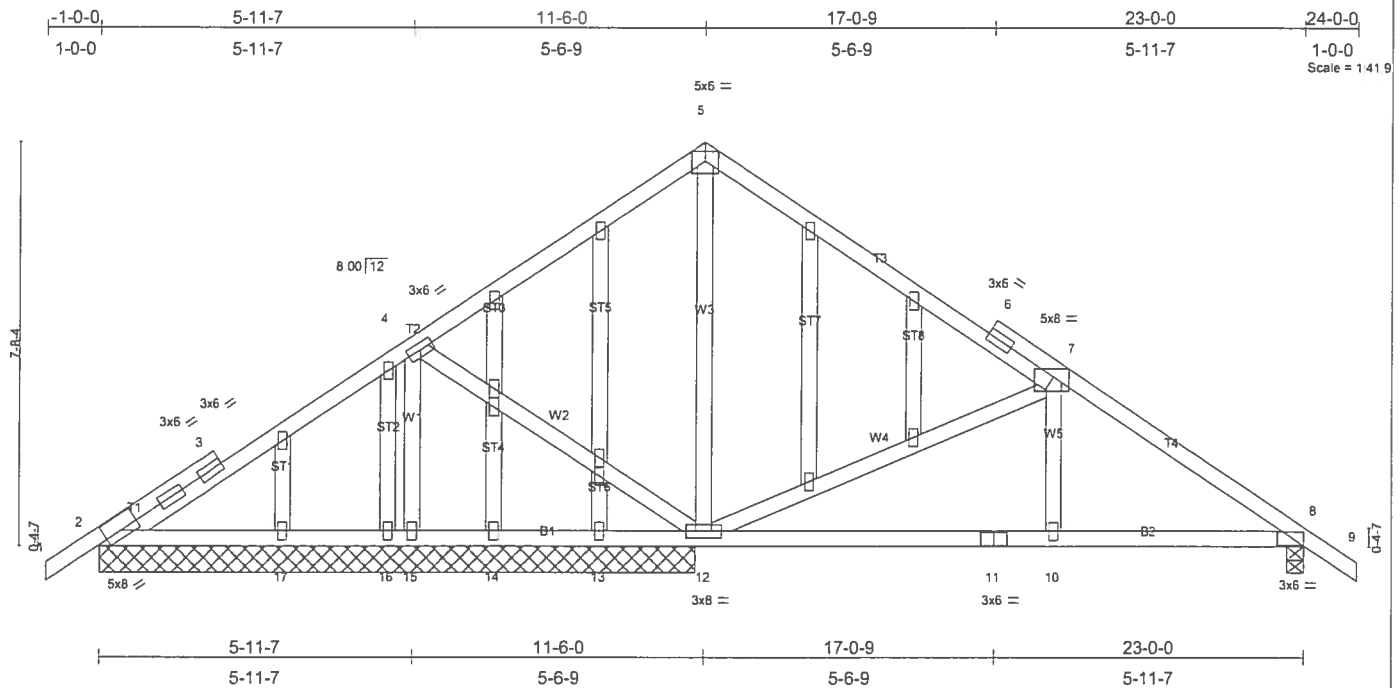


Plate Offsets (X, Y): [2:0-4-5,0-1-12], [7:0-3-9,Edge], [8:0-3-9,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.24	Vert(LL) -0.04 10-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.64	Vert(TL) -0.07 10-12 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 158 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 10-0-0 oc bracing: 10-12,8-10.

REACTIONS (lb/size) 2=150/11-4-0, 15=372/11-4-0, 12=1127/11-4-0, 13=14/11-4-0, 14=77/11-4-0, 16=37/11-4-0, 17=162/11-4-0, 8=449/0-4-0
 Max Horz 2=259(load case 4)
 Max Uplift 2=45(load case 5), 15=292(load case 5), 12=459(load case 6), 13=15(load case 10), 16=37(load case 1), 17=32(load case 5), 8=169(load case 6)
 Max Grav 2=184(load case 9), 15=452(load case 9), 12=1127(load case 1), 14=78(load case 10), 16=53(load case 5), 17=162(load case 1), 8=451(load case 10)

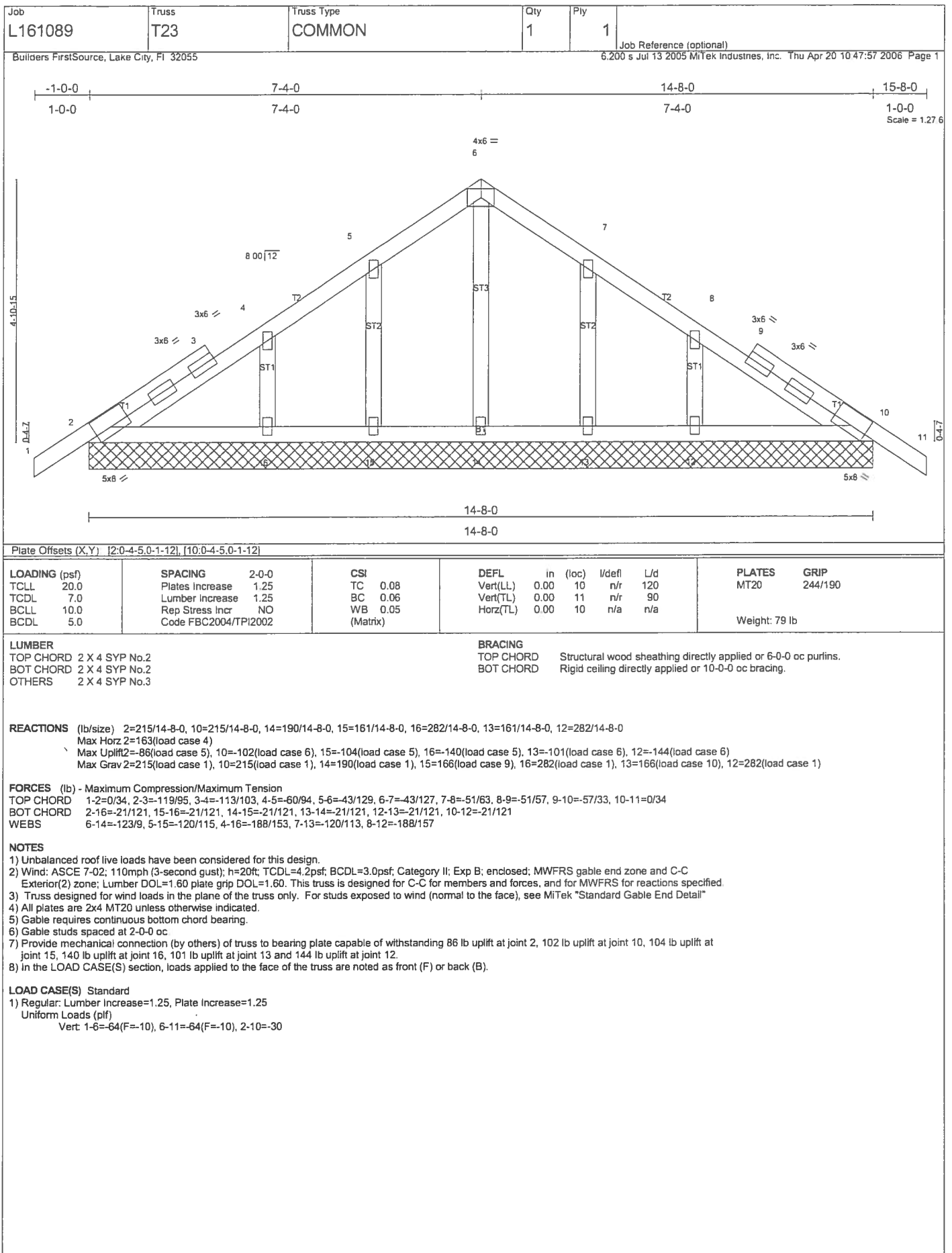
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/34, 2-3=191/189, 3-4=181/313, 4-5=59/353, 5-6=84/365, 6-7=103/166, 7-8=457/77, 8-9=0/35
 BOT CHORD 2-17=172/262, 16-17=172/262, 15-16=172/262, 14-15=172/262, 13-14=172/262, 12-13=172/262, 11-12=0/333, 10-11=0/333,
 8-10=0/333
 WEBS 4-15=396/266, 4-12=81/109, 5-12=666/300, 7-12=599/348, 7-10=0/189

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.
- 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 studs spaced at 2-0-0 oc.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 45 lb uplift at joint 2, 292 lb uplift at joint 15, 459 lb uplift at joint 12, 15 lb uplift at joint 13, 37 lb uplift at joint 16, 32 lb uplift at joint 17 and 169 lb uplift at joint 8.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-5=64(F=-10), 5-9=64(F=-10), 2-8=-30



Job L161089	Truss T24	Truss Type COMMON	Qty 2	Ply 1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 10:48:13 2006 Page 1		

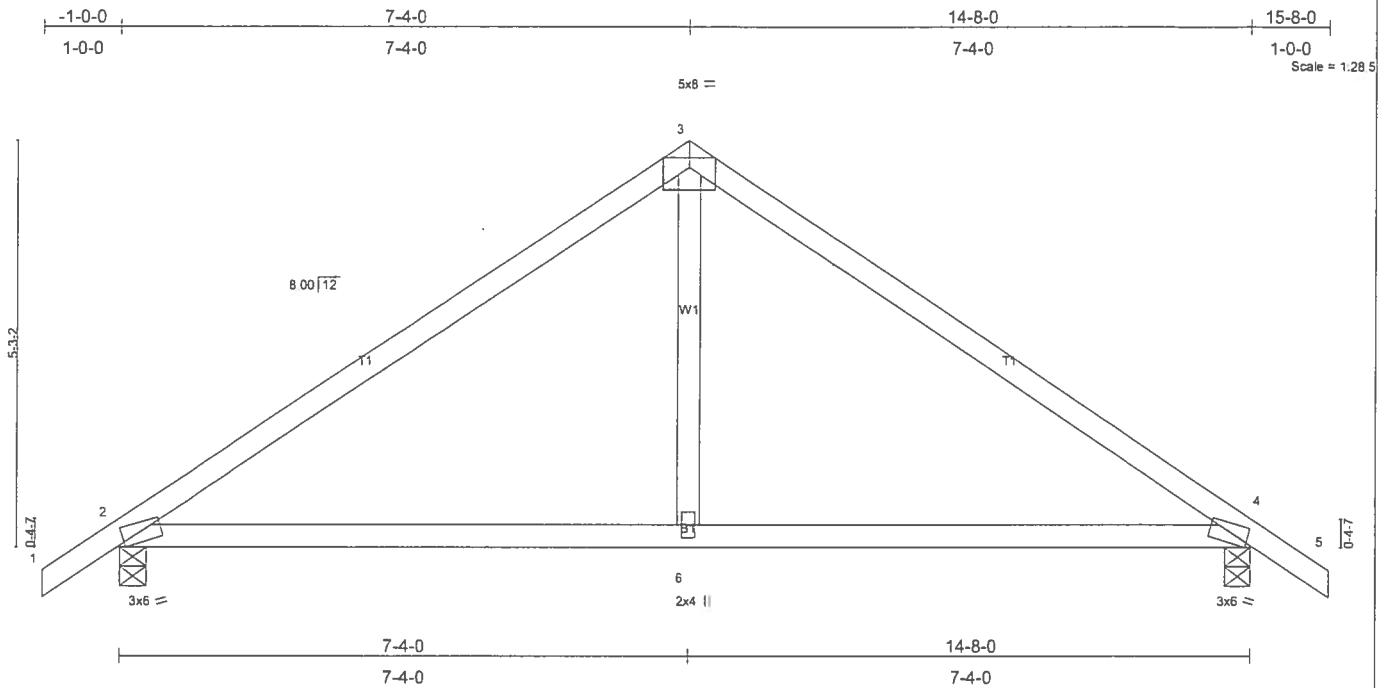


Plate Offsets (X,Y): [2:0-0-12.Edge], [4:0-0-12.Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.39	Vert(LL)	-0.11	4-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.49	Vert(TL)	-0.16	4-6	>999	180		
BCCL 10.0	Rep Stress Incr	YES	WB 0.09	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 59 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=665/0-4-0, 4=665/0-4-0
 Max Horz 2=175(load case 4)
 Max Uplift 2=258(load case 5), 4=258(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/29, 2-3=739/260, 3-4=739/260, 4-5=0/29
 BOT CHORD 2-6=96/533, 4-6=96/533
 WEBS 3-6=0/286

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 258 lb uplift at joint 2 and 258 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L161089	Truss T25	Truss Type COMMON	Qty 1	Ply 2	Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 10:57:53 2006 Page 1

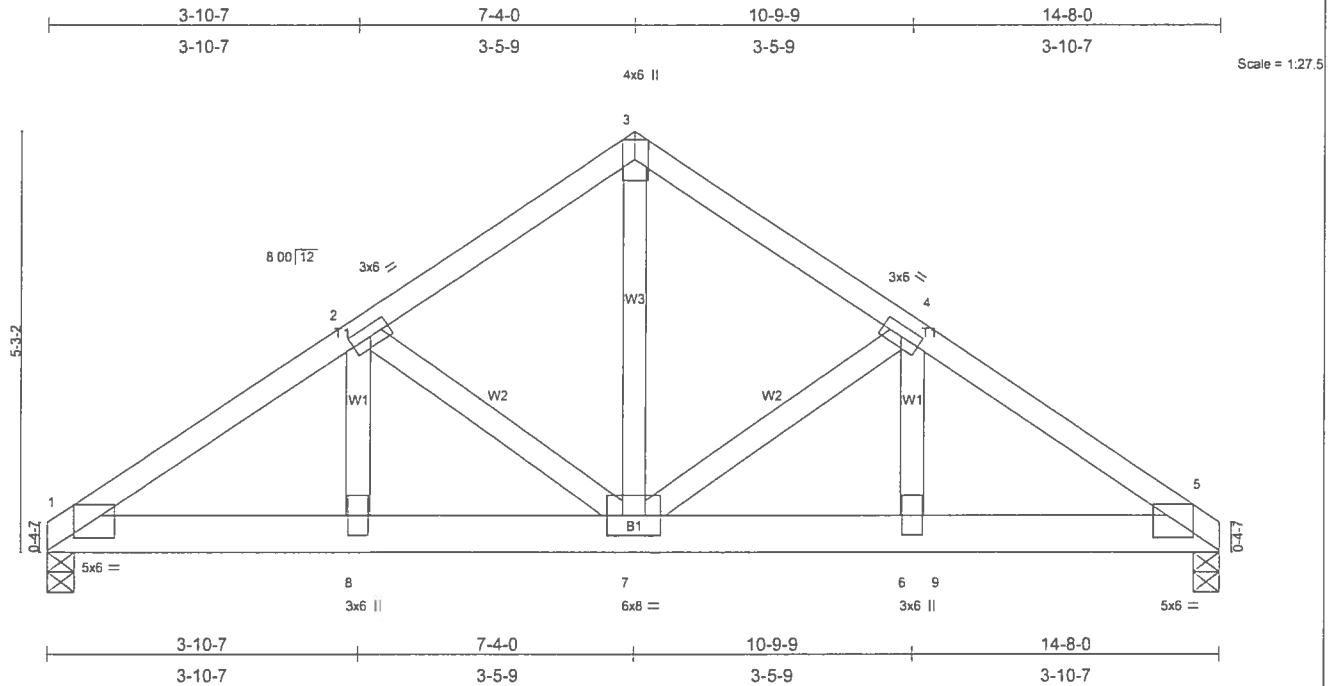


Plate Offsets (X,Y): [1:0-3-15,0-1-14], [5:0-3-15,0-1-14]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.26	Vert(LL)	-0.07	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.12	7-8	>999	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.72	Horz(TL)	0.03	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 172 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4631/0-4-0, 5=4738/0-4-0
 Max Horz 1=169(load case 3)
 Max Uplift 1=1768(load case 4), 5=-1810(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

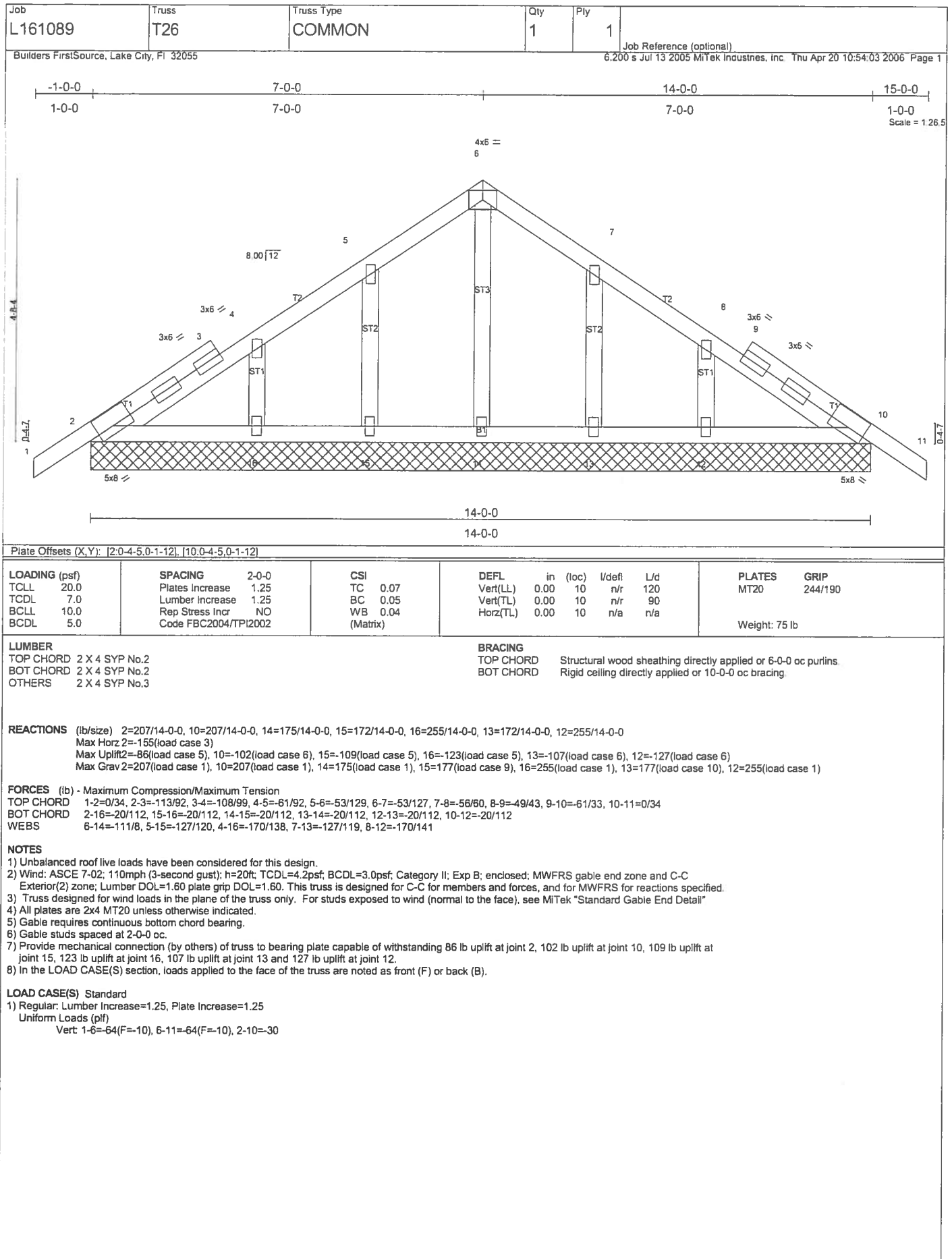
TOP CHORD 1-2=-6298/2396, 2-3=-4318/1700, 3-4=-4318/1700, 4-5=-6362/2422
 BOT CHORD 1-8=-1981/5163, 7-8=-1981/5163, 6-7=-1939/5217, 6-9=-1939/5217, 5-9=-1939/5217
 WEBS 2-8=-789/2152, 2-7=-1987/851, 3-7=-1749/4518, 4-7=-2054/878, 4-6=-819/2226

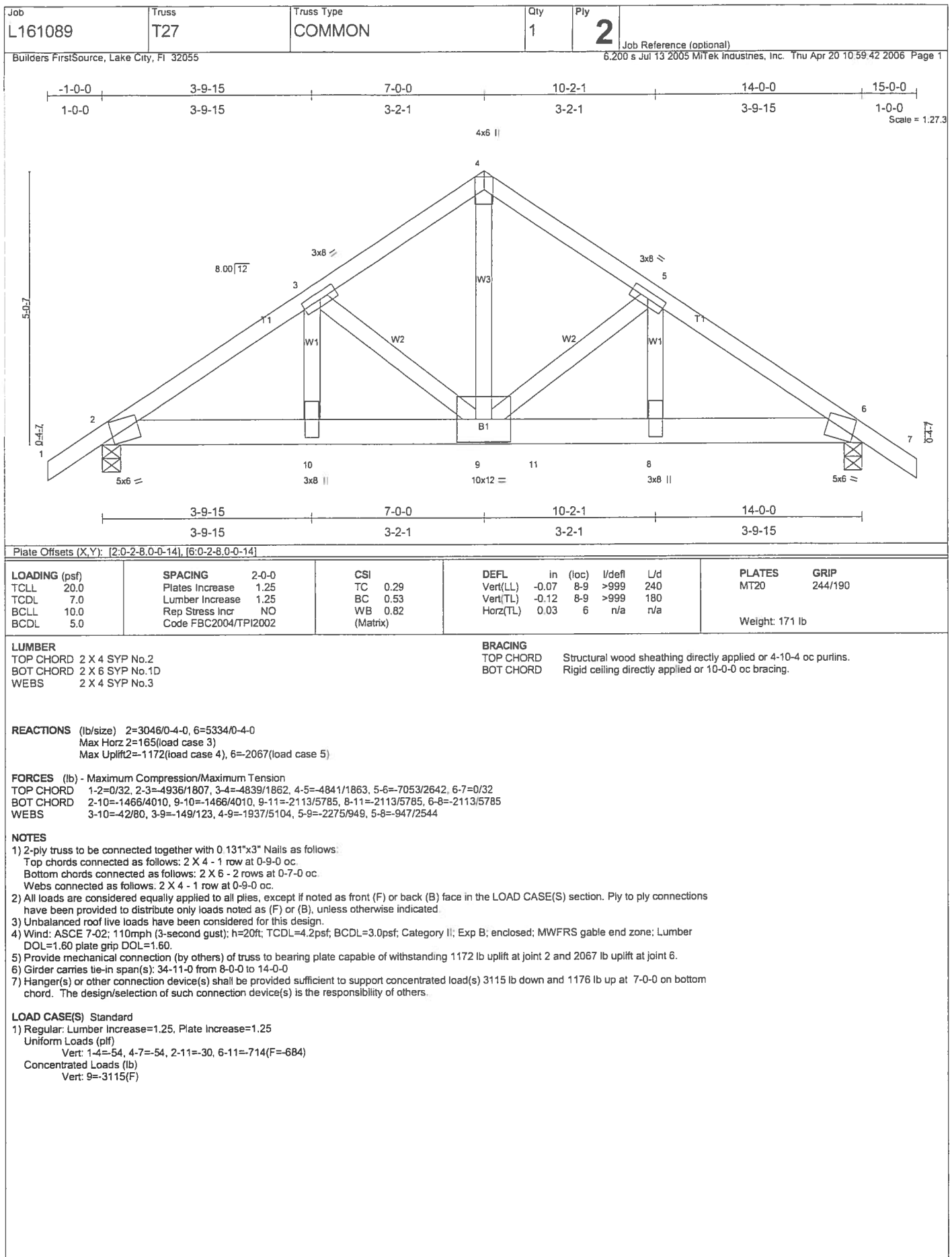
NOTES

- 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 6 - 2 rows at 0-7-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- 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.
- 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 1768 lb uplift at joint 1 and 1810 lb uplift at joint 5.
- Girder carries tie-in span(s): 29-0-0 from 0-0-0 to 11-2-8; 31-0-0 from 11-2-8 to 14-8-0

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-5=-54, 1-9=-590(F=-560), 5-9=-632(F=-602)

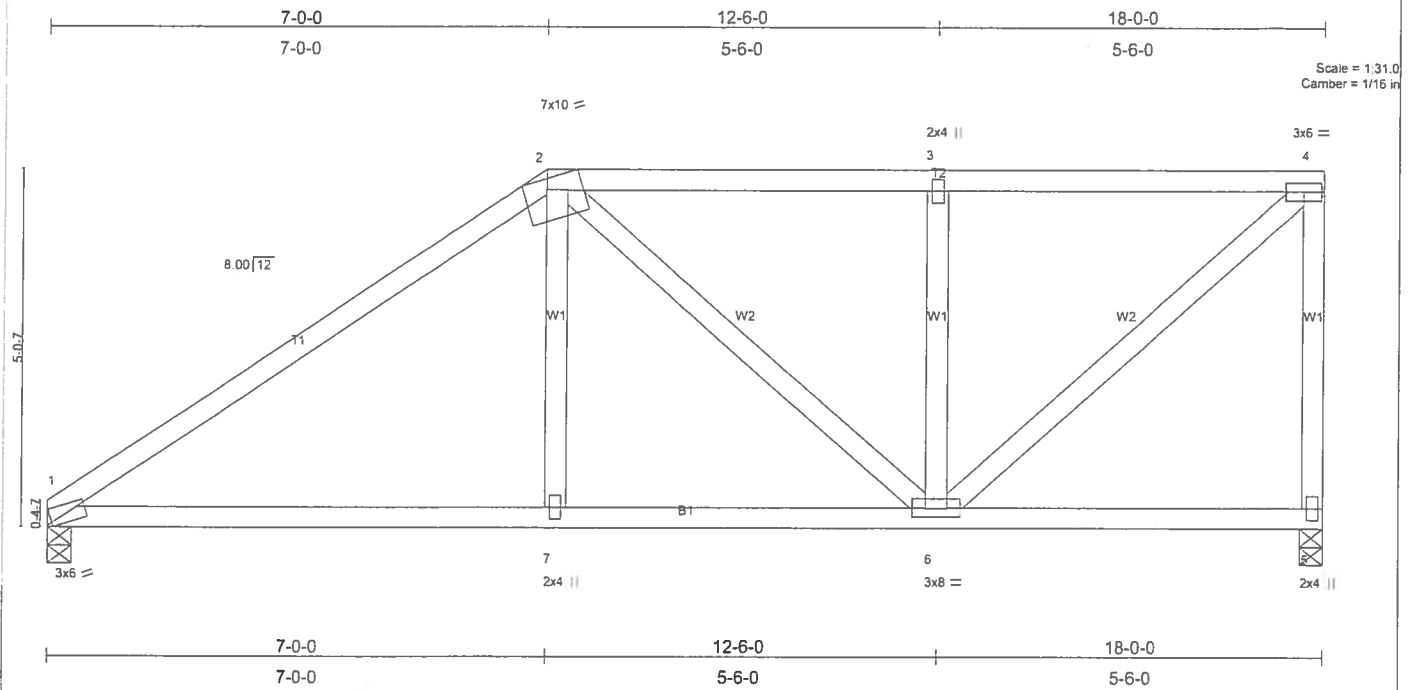




Job L161089	Truss T28	Truss Type MONO HIP	Qty 1	Ply 1	Job Reference (optional)
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Builders FirstSource, Lake City, Fl 32055

6.200 s Jul 13 2005 MiTek Industries, Inc Tnu Apr 20 11:00:16 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.49	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.41	Vert(LL) -0.11 1-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.29	Vert(TL) -0.17 1-7 >999 180		
BCCL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 5 n/a n/a		
	Code FBC2004/TPI2002				Weight: 96 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-10-4 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 9-11-5 oc bracing.
WEBS 2 X 4 SYP No.3	

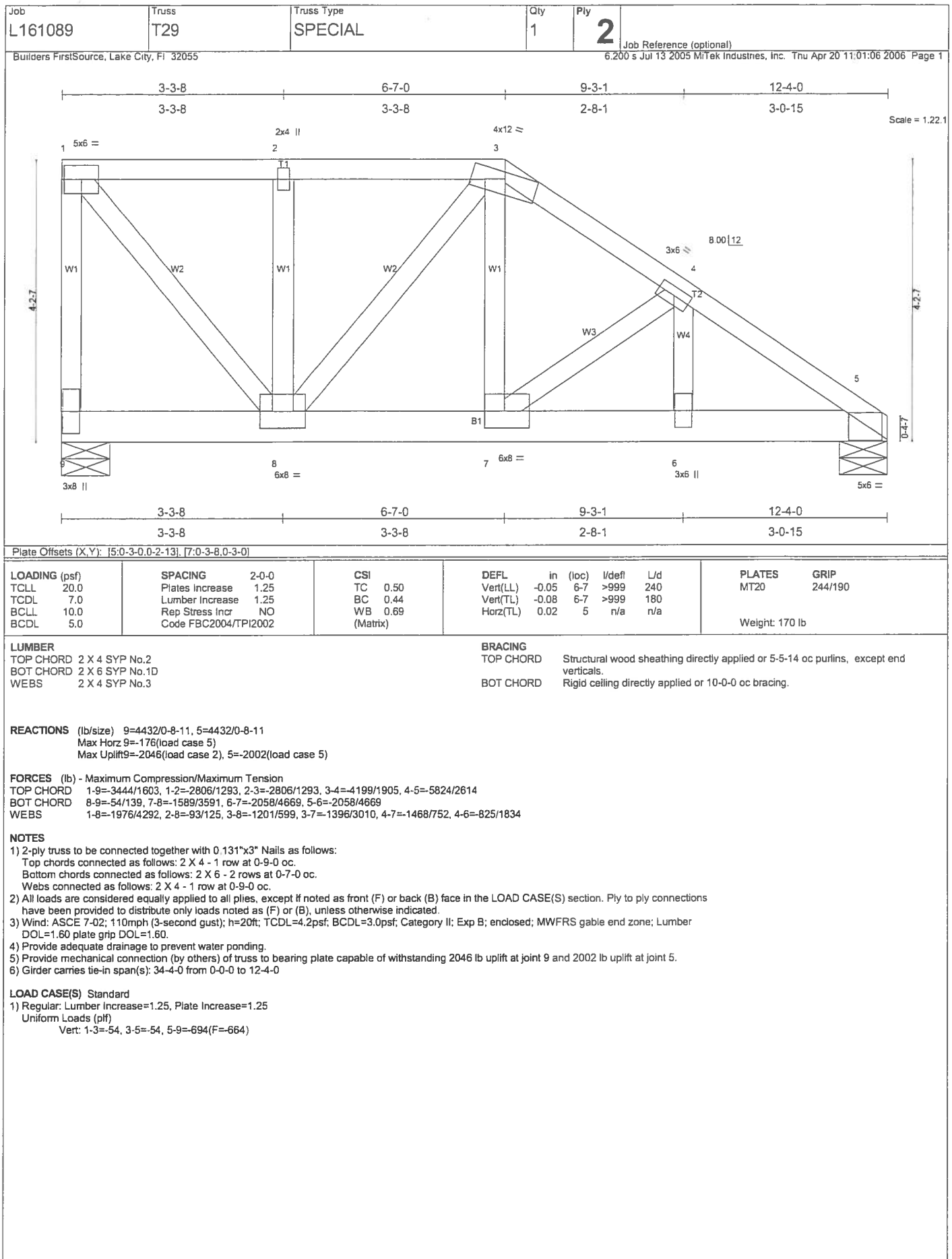
REACTIONS (lb/size) 1=743/0-4-0, 5=743/0-4-0
 Max Horz 1=219(load case 5)
 Max Uplift 1=204(load case 5), 5=273(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-983/316, 2-3=-618/264, 3-4=-618/264, 4-5=-658/321
 BOT CHORD 1-7=-354/733, 6-7=-354/741, 5-6=-14/33
 WEBS 2-7=0/234, 2-6=-162/152, 3-6=-275/296, 4-6=-333/781

NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 1 and 273 lb uplift at joint 5.

LOAD CASE(S) Standard



Job

L161089

Truss

T30

Truss Type

HIP

Qty

1

Ply

1

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Apr 20 11:32:25 2006 Page 1

1-0-0

5-0-0

11-11-1

18-10-1

25-0-0

30-0-0

31-0-0

1-0-0

5-0-0

6-11-1

6-11-1

6-1-15

5-0-0

1-0-0

Scale = 1:53.8

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

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.66	Vert(LL)	0.11 13-14	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(TL)	-0.14 13-14	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.87	Horz(TL)	0.02 7	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)						
	Code FBC2004/TP12002							

Weight: 170 lb

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 6 SYP No.1D

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-2-5 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

WEBS 1 Row at midpt 5-13

REACTIONS (lb/size)

2=1175/0-4-0, 11=2500/0-7-3, 7=271/0-4-0, 9=276/0-7-3

Max Horz 2=119(load case 3)

Max Uplift 2=808(load case 3), 11=-1780(load case 3), 7=-151(load case 5), 9=-141(load case 5)

Max Grav 2=1176(load case 8), 11=2500(load case 1), 7=277(load case 9), 9=276(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/32, 2-3=-1772/1280, 3-4=-1417/1144, 4-5=-1417/1145, 5-6=-440/568, 6-7=-510/183, 7-8=0/32

BOT CHORD 2-14=-1123/1423, 13-14=-1137/1446, 12-13=-568/502, 11-12=-568/502, 10-11=-74/385, 9-10=-71/369, 7-9=-71/369

WEBS 3-14=-320/514, 3-13=-133/65, 4-13=-644/671, 5-13=-1758/2201, 5-11=-1582/1409, 6-11=-1073/649, 6-10=-81/370

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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.

3) Provide adequate drainage to prevent water ponding.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 808 lb uplift at joint 2, 1780 lb uplift at joint 11, 151 lb uplift at joint 7 and 141 lb uplift at joint 9.

5) Girder carries hip end with 5-0-0 end setback.

6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 187 lb up at 25-0-0, and 245 lb down and 187 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-90(F=36), 6-8=-54, 2-14=-30, 10-14=-50(F=20), 7-10=-30

Concentrated Loads (lb)

Vert: 14=-245(F) 10=-245(F)

Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

PLATE SIZE



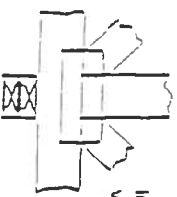
The first dimension is the width perpendicular to slats. Second dimension is the length parallel to slats.

LATERAL BRACING



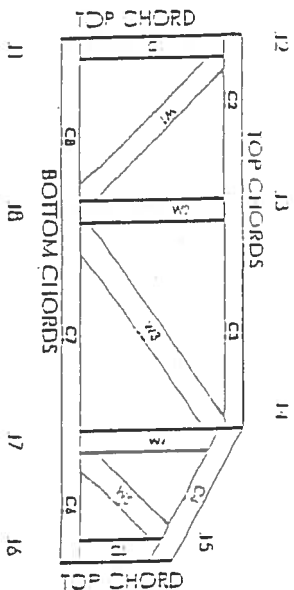
Indicates location of required continuous lateral bracing.

BEARINGS



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
SMCCI	9657, 9-132A
WISC/DIHR	960022 W, 970036 H
IIR	561



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 luss 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 (1.5' 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 the redundant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of luss 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 pulins provided at spacing shown on design.
11. Bottom chords require lateral bracing at (1) 11' spacing, or less. If no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to lusses are the responsibility of others unless shown.
13. Do not overload roof or floor lusses with stacks of construction materials.
14. Do not cut or alter luss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of lusses.