

Project Information for: L156901
 Builder: CADY HOMES Date: 3/29/2006
 Lot: Lot 51 ROLLING MEADOWS Start Number: 1122
 Subdivision: NA
 County or City: COLUMBIA COUNTY
 Truss Page Count: 45

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)
 CADY, AARON M CGC1508421
 Address: P.O. BOX 3356
 LAKE CITY, FL 32056 Designer: 15

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	0329061122	3/29/2006	41	T25G	0329061162	3/29/2006
2	CJ3	0329061123	3/29/2006	42	T26	0329061163	3/29/2006
3	CJ5	0329061124	3/29/2006	43	T26G	0329061164	3/29/2006
4	CJ5S	0329061125	3/29/2006	44	T27	0329061165	3/29/2006
5	EJ2	0329061126	3/29/2006	45	T28	0329061166	3/29/2006
6	EJ7	0329061127	3/29/2006				
7	EJ7T	0329061128	3/29/2006				
8	HJ2	0329061129	3/29/2006				
9	HJ9	0329061130	3/29/2006				
10	PB05	0329061131	3/29/2006				
11	PB05A	0329061132	3/29/2006				
12	T01	0329061133	3/29/2006				
13	T02	0329061134	3/29/2006				
14	T02	0329061135	3/29/2006				
15	T03	0329061136	3/29/2006				
16	T04	0329061137	3/29/2006				
17	T05	0329061138	3/29/2006				
18	T06	0329061139	3/29/2006				
19	T07	0329061140	3/29/2006				
20	T08	0329061141	3/29/2006				
21	T09	0329061142	3/29/2006				
22	T10	0329061143	3/29/2006				
23	T11	0329061144	3/29/2006				
24	T12	0329061145	3/29/2006				
25	T13	0329061146	3/29/2006				
26	T14	0329061147	3/29/2006				
27	T15	0329061148	3/29/2006				
28	T15	0329061149	3/29/2006				
29	T16	0329061150	3/29/2006				
30	T17	0329061151	3/29/2006				
31	T18	0329061152	3/29/2006				
32	T19	0329061153	3/29/2006				
33	T20	0329061154	3/29/2006				
34	T20G	0329061155	3/29/2006				
35	T21	0329061156	3/29/2006				
36	T22	0329061157	3/29/2006				
37	T22G	0329061158	3/29/2006				
38	T23	0329061159	3/29/2006				
39	T24	0329061160	3/29/2006				
40	T25	0329061161	3/29/2006				

MAR 29 2006



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Licensee Details

Licensee Information

Name: **CADY, AARON MATTHEW (Primary Name)**
CADY HOMES & ASSOCIATES INC (DBA Name)
Main Address: **PO BOX 3356**
LAKE CITY Florida 32056-3356
County: **COLUMBIA**

License Mailing:

License Location: **701 S W STONERIDGE DR**
LAKE CITY FL 32025
County: **COLUMBIA**

License Information

License Type: **Certified General Contractor**
Rank: **Cert General**
License Number: **CGC1508421**
Status: **Current,Active**
Licensure Date: **01/27/2005**
Expires: **08/31/2006**

Special Qualifications	Qualification Effective
Qualified Business License Required	01/27/2005

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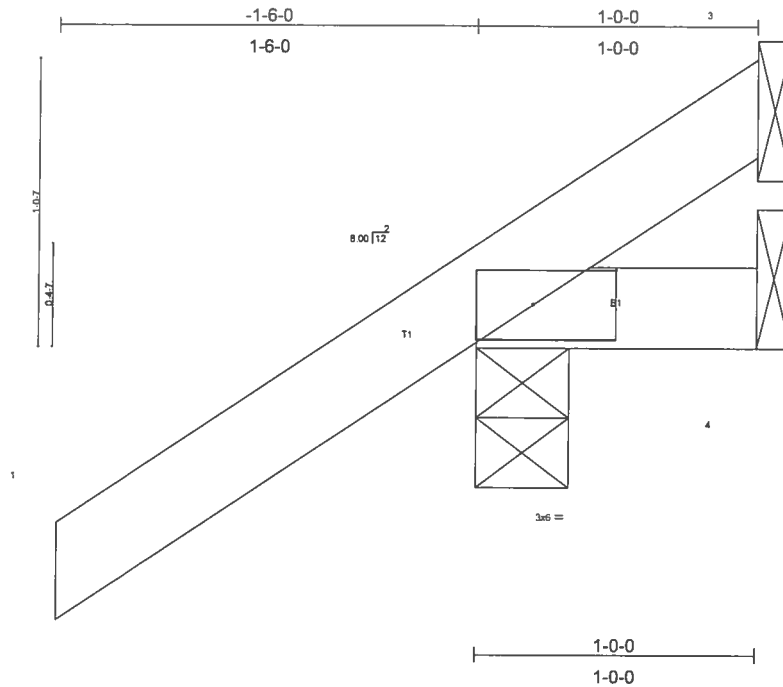
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Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	CJ1	JACK	9	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1/8"

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(TL)	-0.00	2	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 6 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=189/0-4-0, 4=14/Mechanical, 3=41/Mechanical

Max Horz 2=94(load case 5)
 Max Uplift 2=-189(load case 5), 3=-41(load case 1)
 Max Grav 2=189(load case 1), 4=14(load case 1), 3=70(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-55/48
 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 189 lb uplift at joint 2 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L156901	Truss CJ3	Truss Type JACK	Qty 6	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Mar 23 14:16:42 2006 Page 1		

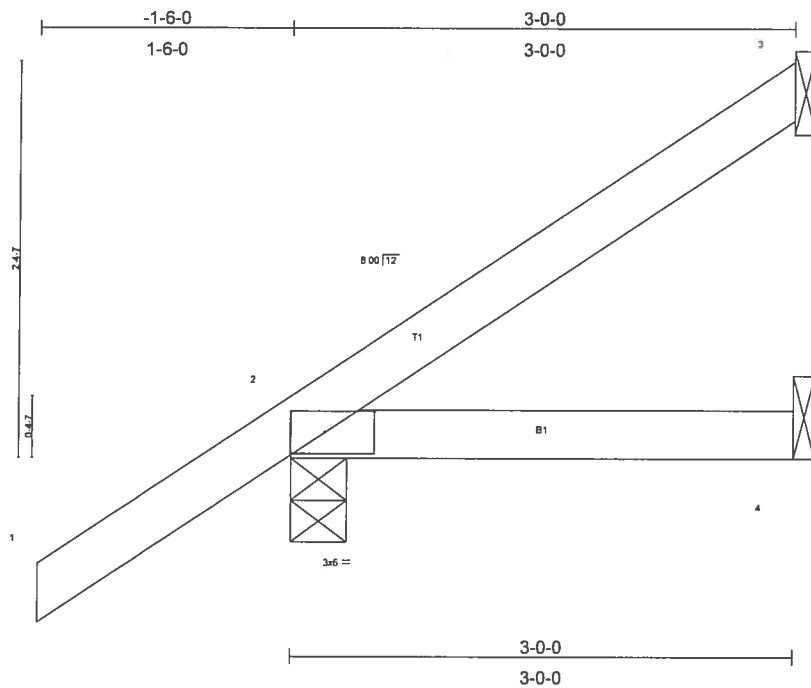


Plate Offsets (X,Y) [2-0-3-9-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	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 purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=48/Mechanical, 2=233/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift 3=47(load case 5), 2=143(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=60/19
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 47 lb uplift at joint 3 and 143 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	CJ5	JACK	5	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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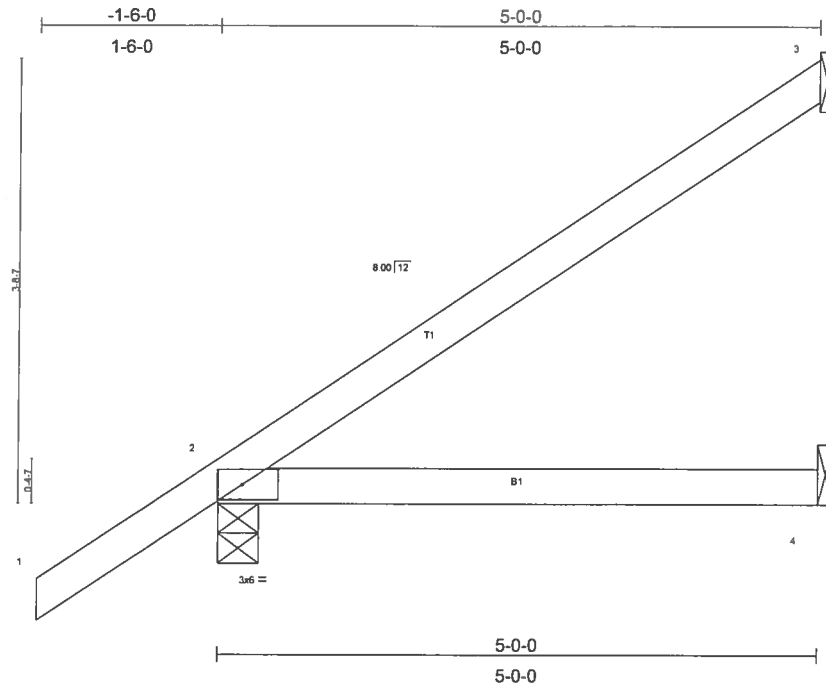


Plate Offsets (X,Y): [2-0-3-9-0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	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=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical
 Max Horz 2=215(load case 5)
 Max Uplift 3=-121(load case 5), 2=-138(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/45, 2-3=-100/50
 BOT CHORD 2-4=0/0

NOTES

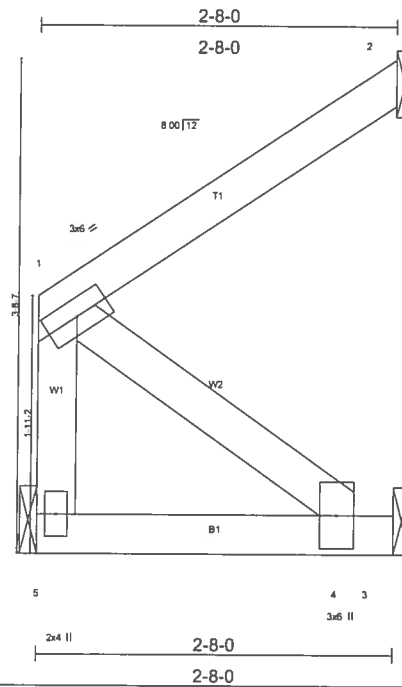
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 3 and 138 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	CJ5S	JACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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Scale = 1/16

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.04	Vert(LL) -0.00 4-5 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.03	Vert(TL) -0.00 4-5 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 2 n/a n/a		
	Code FBC2004/TPI2002			Weight: 15 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 2-8-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=103/Mechanical, 2=66/Mechanical, 3=37/Mechanical
 Max Horz 5=76(load case 5)
 Max Uplift 2=-72(load case 5), 3=-45(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

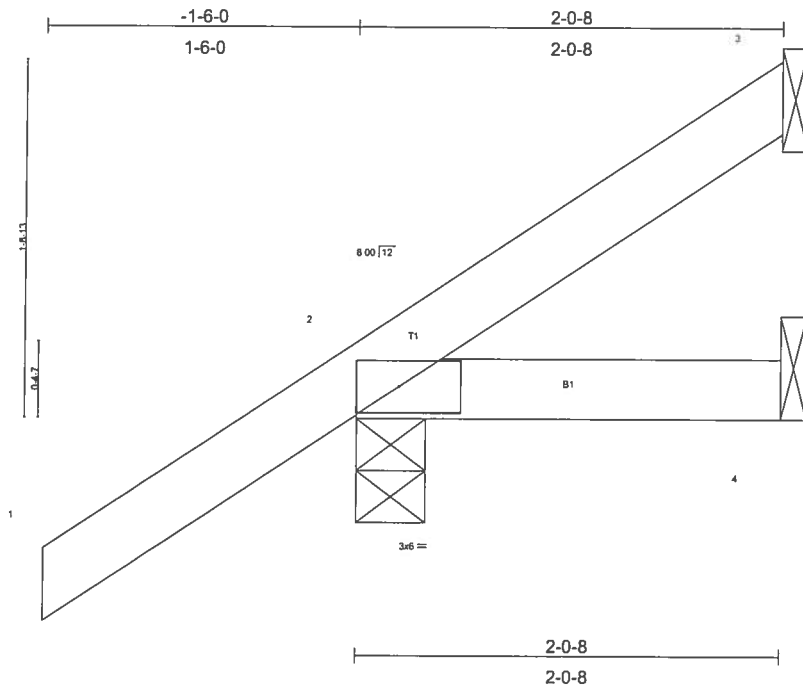
TOP CHORD 1-5=-66/0, 1-2=-55/29
 BOT CHORD 4-5=-83/6, 3-4=0/0
 WEBS 1-4=-8/105

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 72 lb uplift at joint 2 and 45 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L156901	Truss EJ2	Truss Type JACK	Qty 2	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6,200 s Jul 13 2005 M/Tek Industries, Inc. Thu Mar 23 14:18:09 2006 Page 1		



Scale = 1/16"

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.02	Vert(TL)	-0.00	2	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 10 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 2-0-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=8/Mechanical, 2=208/0-4-0, 4=27/Mechanical
Max Horz 2=124(load case 5)
Max Uplift 3=-19(load case 6), 2=-158(load case 5)
Max Grav 3=25(load case 3), 2=208(load case 1), 4=27(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-54/14
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 19 lb uplift at joint 3 and 158 lb uplift at joint 2.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	EJ7	JACK	19	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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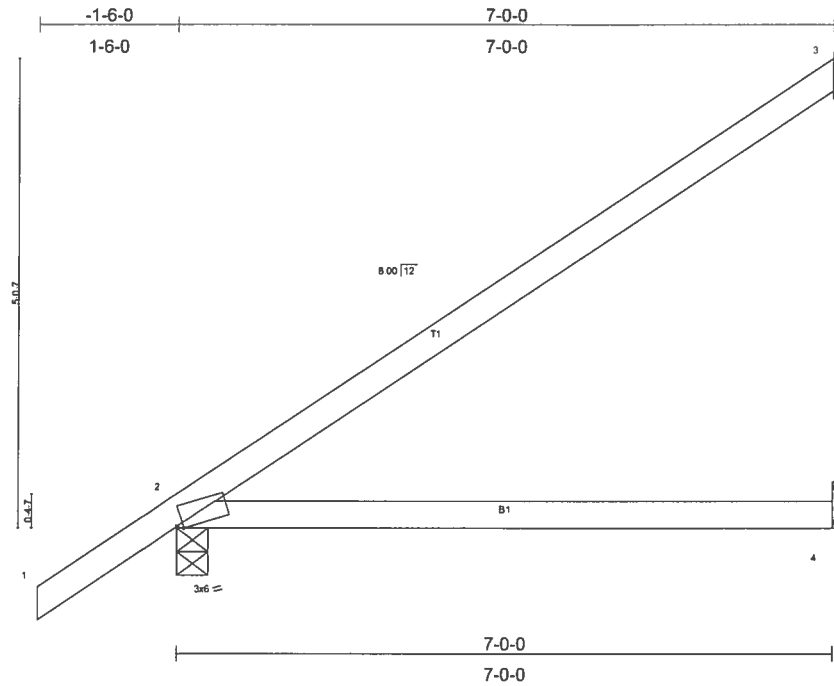
Scale = 1/23.6
Camber = 1/16 in

Plate Offsets (X,Y): [2'-0"-12' Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0'-0	TC 0.45	Vert(LL)	-0.14	2-4	>599	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.38	Vert(TL)	-0.22	2-4	>362	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002							Weight: 26 lb	

LUMBERTOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2**BRACING**TOP CHORD Structural wood sheathing directly applied or 6'-0'-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0'-0 oc bracing.**REACTIONS**(lb/size) 3=164/Mechanical, 2=385/0-4-0, 4=109/Mechanical
Max Horz 2=277(load case 5)
Max Uplift 3=165(load case 5), 2=142(load case 5), 4=110(load case 5)**FORCES** (lb) - Maximum Compression/Maximum TensionTOP CHORD 1-2=0/45, 2-3=-133/73
BOT CHORD 2-4=0/0**NOTES**

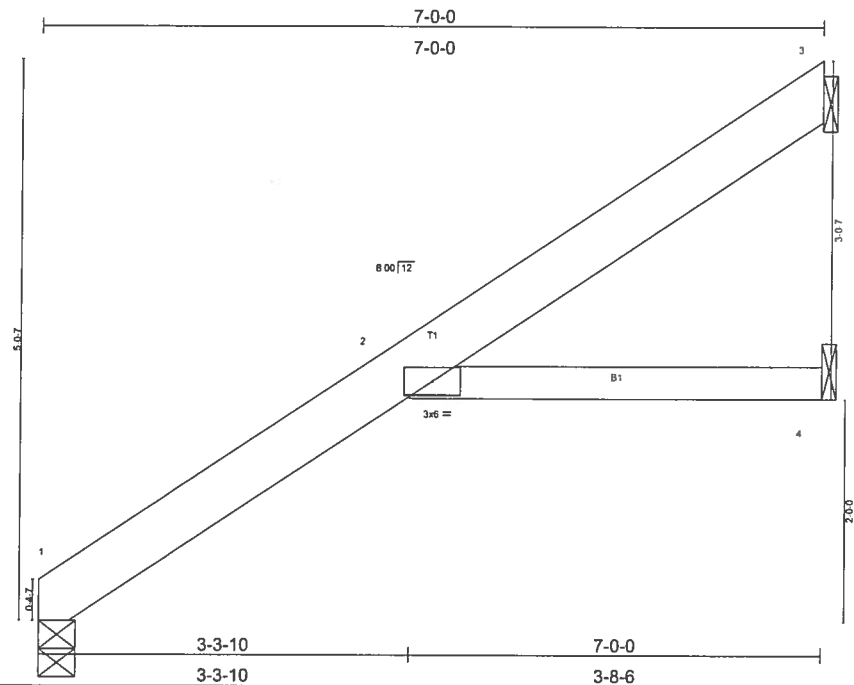
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 3, 142 lb uplift at joint 2 and 1 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L156901	Truss EJ7T	Truss Type SPECIAL	Qty 8	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51 Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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Scale = 1/16" = 1'-0"

Camber = 1/16" in

LOADING (psf)	SPACING 2'-0"	CSI	DEFL in (loc)	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.27	Vert(LL) 0.11 2 >758 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.09	Vert(TL) -0.13 2 >641 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) 0.08 4 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
				Weight: 26 lb	

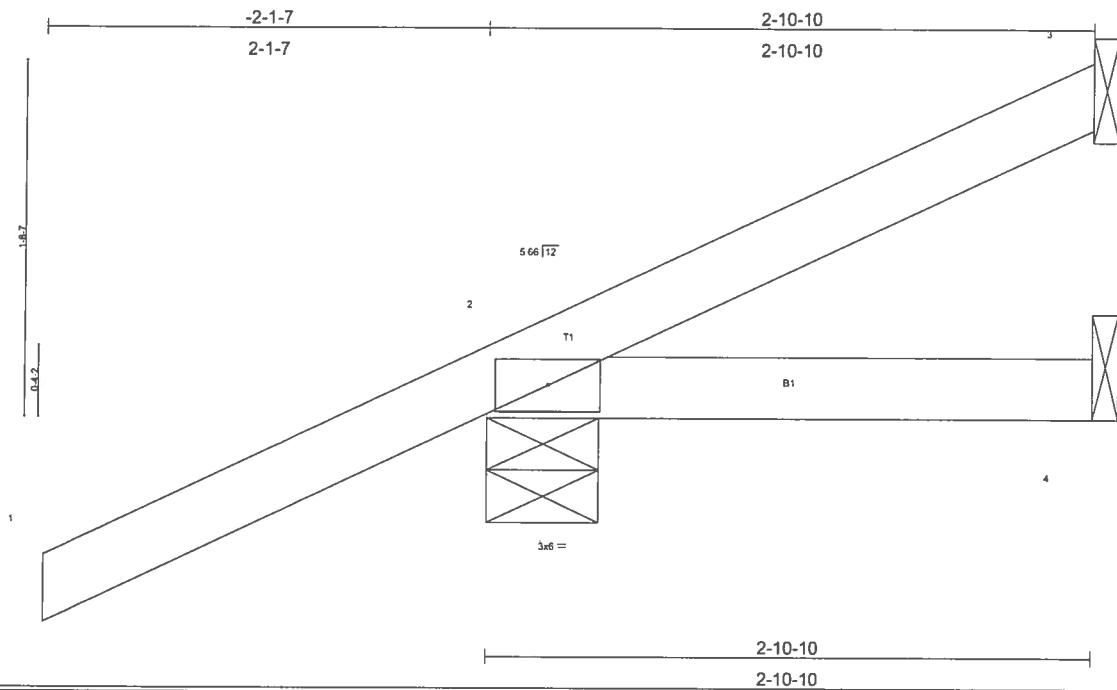
LUMBERTOP CHORD 2 X 6 SYP No.1D
BOT CHORD 2 X 4 SYP No.2**BRACING**TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.**REACTIONS** (lb/size) 1=240/0-4-0, 3=217/Mechanical, 4=55/Mechanical
Max Horz 1=208(load case 5)
Max Uplift 1=-35(load case 5), 3=-187(load case 5)**FORCES** (lb) - Maximum Compression/Maximum TensionTOP CHORD 1-2=-169/10, 2-3=-137/114
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) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1 and 187 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L156901	Truss HJ2	Truss Type JACK	Qty 2	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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Scale = 1/10

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.33	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.02	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2-4 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002			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 2-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 3=-25/Mechanical, 2=218/0-6-7, 4=18/Mechanical
Max Horz 2=79(load case 4)
Max Uplift 3=-25(load case 1), 2=-204(load case 4)
Max Grav 3=59(load case 2), 2=218(load case 1), 4=18(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/48, 2-3=-38/27
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; 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 25 lb uplift at joint 3 and 204 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

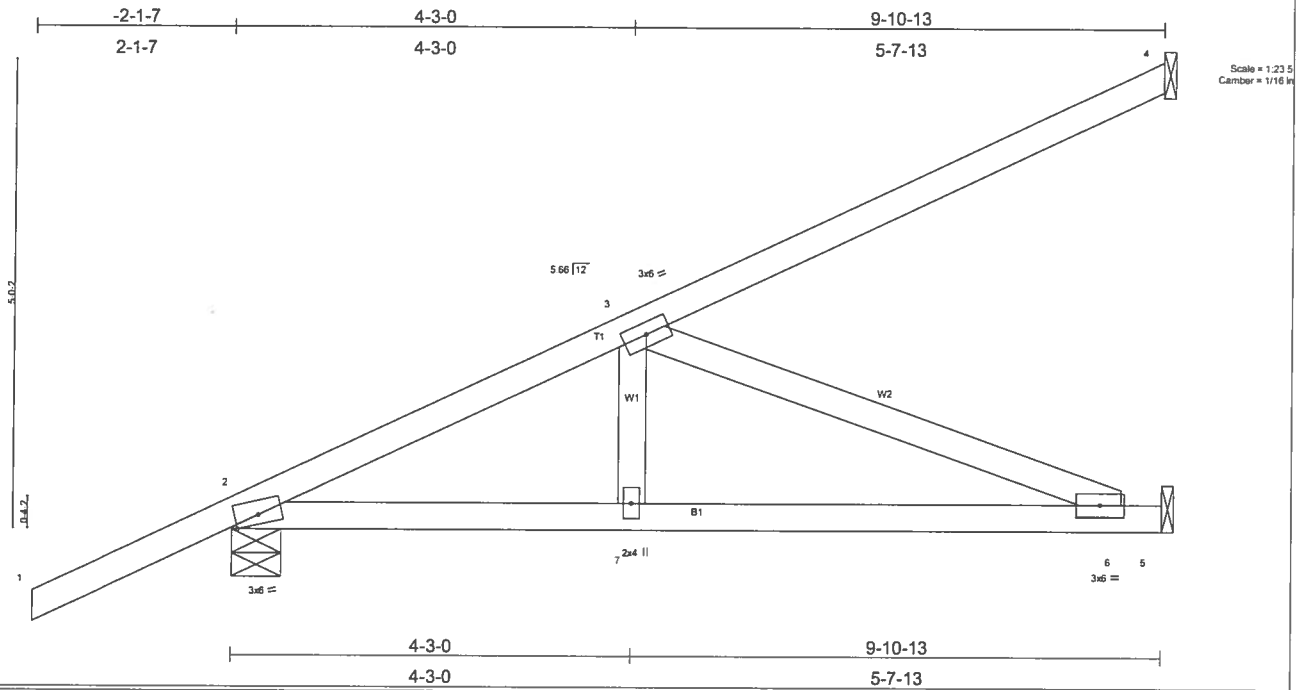
Trapezoidal Loads (plf)

Vert: 2=-4(F=25, B=25)-to-3=-39(F=8, B=8), 2=0(F=15, B=15)-to-4=-22(F=4, B=4)

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	HJ9	JACK	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.58	Vert(LL) -0.10 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.41	Vert(TL) -0.17 6-7 >672 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 45 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=266/Mechanical, 2=488/0-6-7, 5=386/Mechanical
 Max Horz 2=343(load case 4)
 Max Uplift 4=-266(load case 4), 2=-187(load case 4), 5=-96(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/48, 2-3=-741/57, 3-4=-149/83
 BOT CHORD 2-7=-330/657, 6-7=-330/657, 5-6=0/0
 WEBS 3-7=0/210, 3-6=-705/355

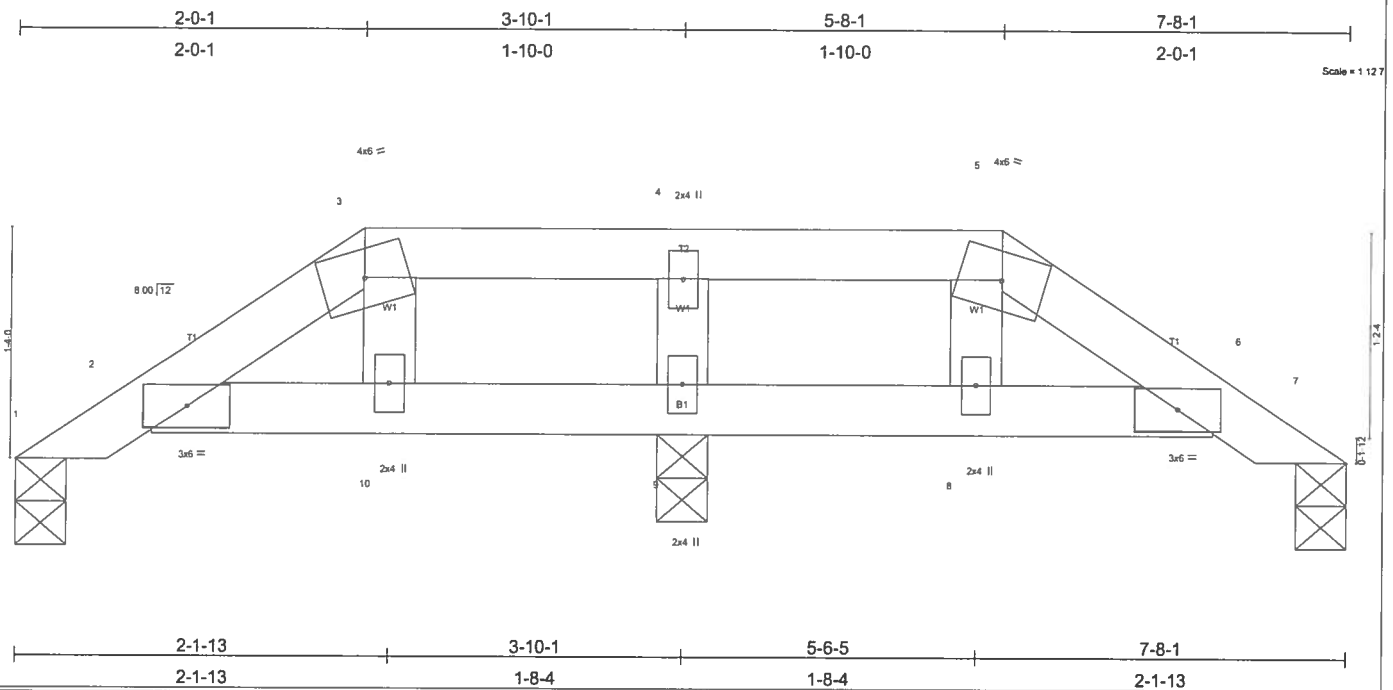
NOTES

- 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 266 lb uplift at joint 4, 187 lb uplift at joint 2 and 96 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Job L156901	Truss PB05A	Truss Type HIP CAP	Qty 1	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Mar 23 14:26:44 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 0.13	Vert(LL)	0.01	10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.13	Vert(TL)	-0.01	6-8	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.04	Horz(TL)	0.01	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 24 lb	

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

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

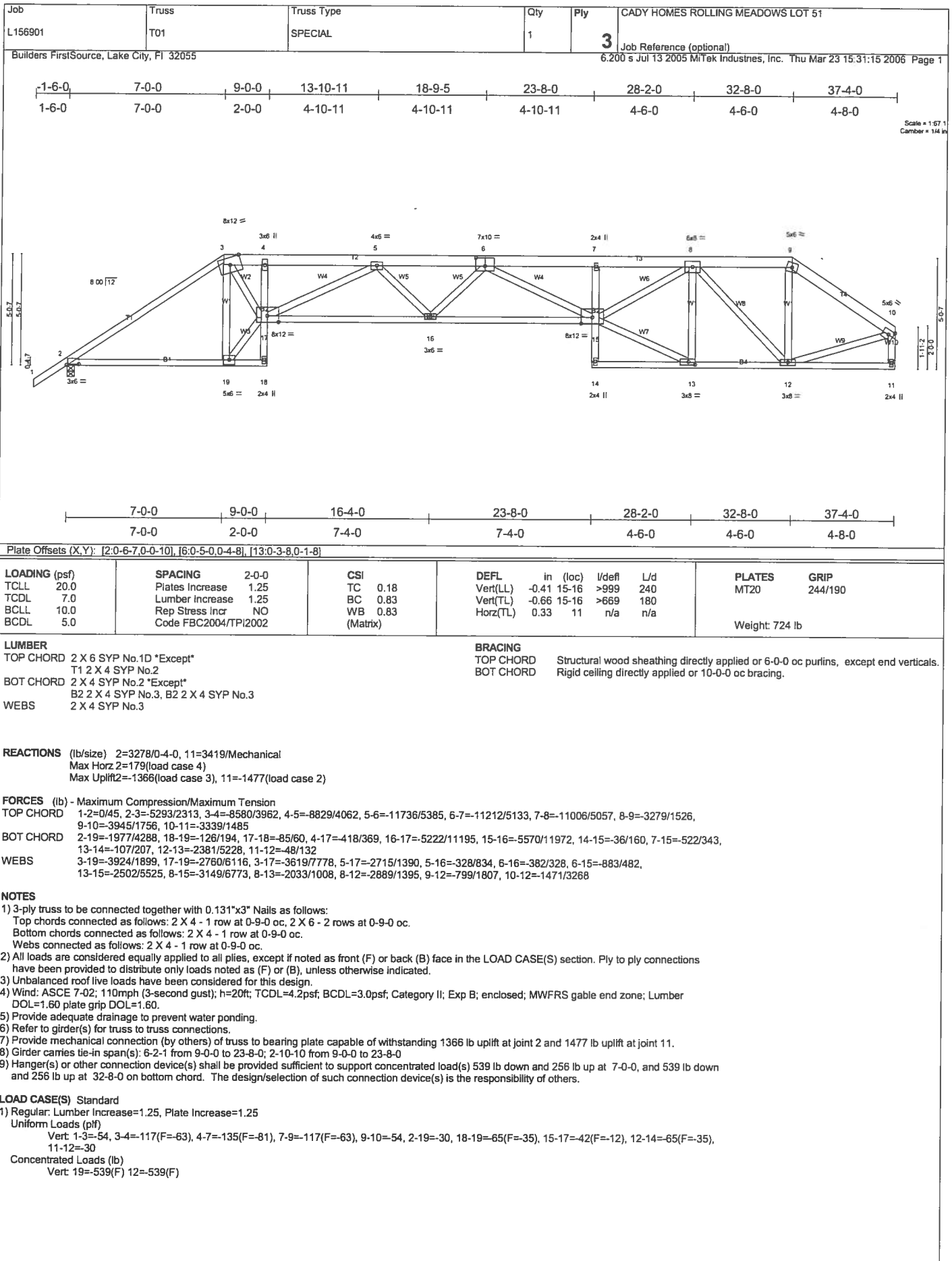
REACTIONS (lb/size) 1=131/0-3-8, 9=334/0-3-8, 7=131/0-3-8
 Max Horz 1=43(load case 4)
 Max Uplift 1=-47(load case 5), 9=-122(load case 4), 7=-51(load case 6)
 Max Grav 1=134(load case 9), 9=334(load case 1), 7=134(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-65/42, 2-3=-108/67, 5-6=-108/67, 6-7=-65/41, 3-4=-83/75, 4-5=-83/75
 BOT CHORD 2-10=-36/83, 9-10=-31/83, 8-9=-31/83, 6-8=-33/83
 WEBS 3-10=-2/32, 5-8=-2/32, 4-9=-178/156

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) 1, 7 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 47 lb uplift at joint 1, 122 lb uplift at joint 9 and 51 lb uplift at joint 7.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=15, 2-4=22, 4-8=46, 8-9=-12, 2-16=-6, 13-15=-6, 10-12=-6

Horz: 1-2=-23, 2-4=-31, 8-9=4

Drag: 4-5=0, 7-8=0

Concentrated Loads (lb)

Vert: 18=29(F) 19=21(F)

4) MWFRS 1st Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=56, 2-4=38, 4-8=24, 8-9=24, 2-16=-6, 13-15=-6, 10-12=-6

Horz: 1-2=-65, 2-4=-46, 8-9=32

Drag: 4-5=0, 7-8=0

Concentrated Loads (lb)

Vert: 18=28(F) 19=17(F)

5) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=17, 2-4=24, 4-8=24, 8-9=38, 2-16=-6, 13-15=-6, 10-12=-6

Horz: 1-2=-25, 2-4=-32, 8-9=46

Drag: 4-5=0, 7-8=0

Concentrated Loads (lb)

Vert: 18=28(F) 19=17(F)

6) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=36, 2-4=18, 4-8=12, 8-9=12, 2-16=-6, 13-15=-6, 10-12=-6

Horz: 1-2=-45, 2-4=-26, 8-9=20

Drag: 4-5=0, 7-8=0

Concentrated Loads (lb)

Vert: 18=26(F) 19=6(F)

7) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=5, 2-4=12, 4-8=12, 8-9=18, 2-16=-6, 13-15=-6, 10-12=-6

Horz: 1-2=-14, 2-4=-20, 8-9=26

Drag: 4-5=0, 7-8=0

Concentrated Loads (lb)

Vert: 18=26(F) 19=6(F)

8) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-8=-54, 8-9=-14, 2-16=-30, 13-15=-30, 10-12=-30

Concentrated Loads (lb)

Vert: 18=17(F) 19=45(F)

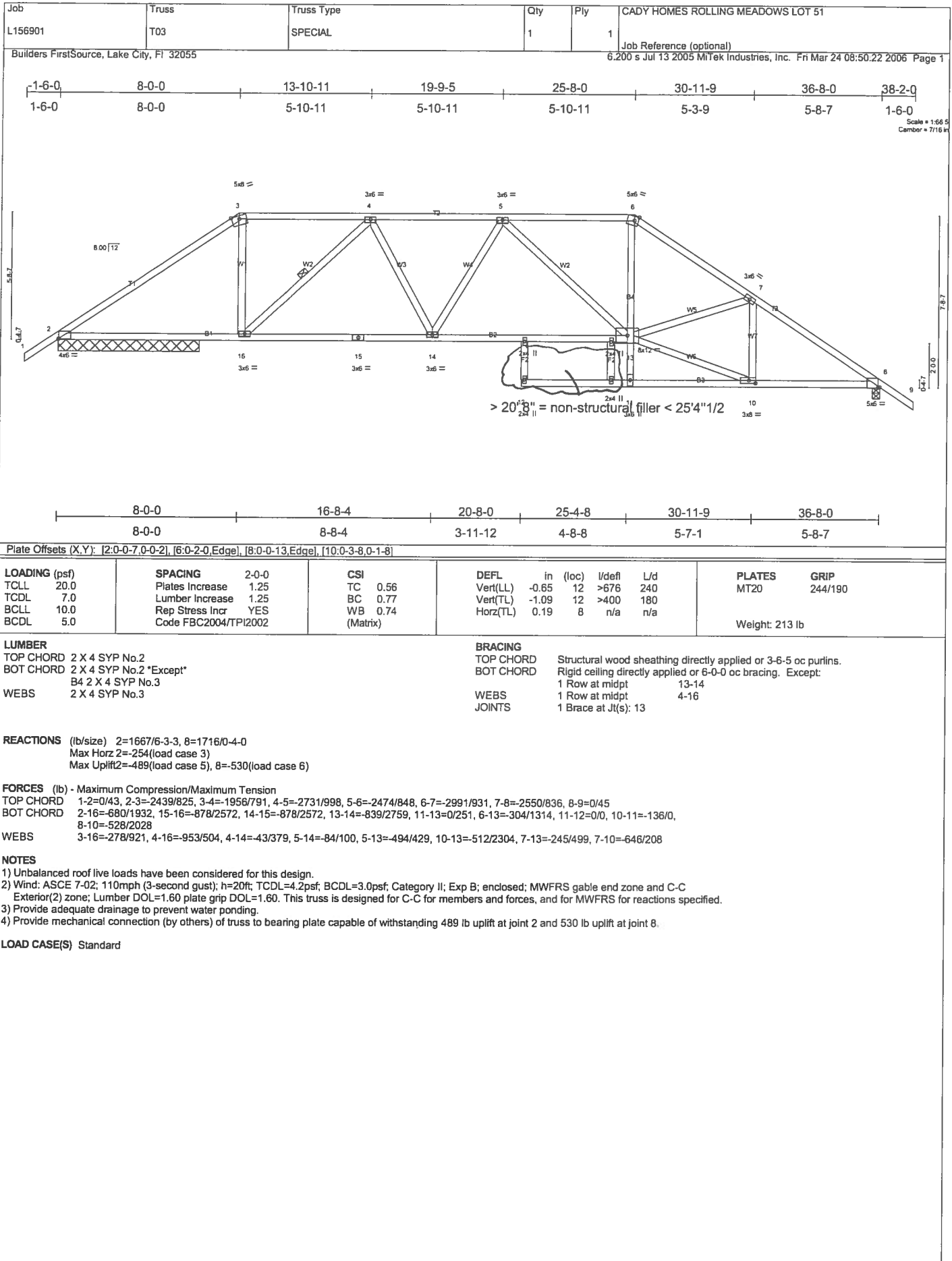
9) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25

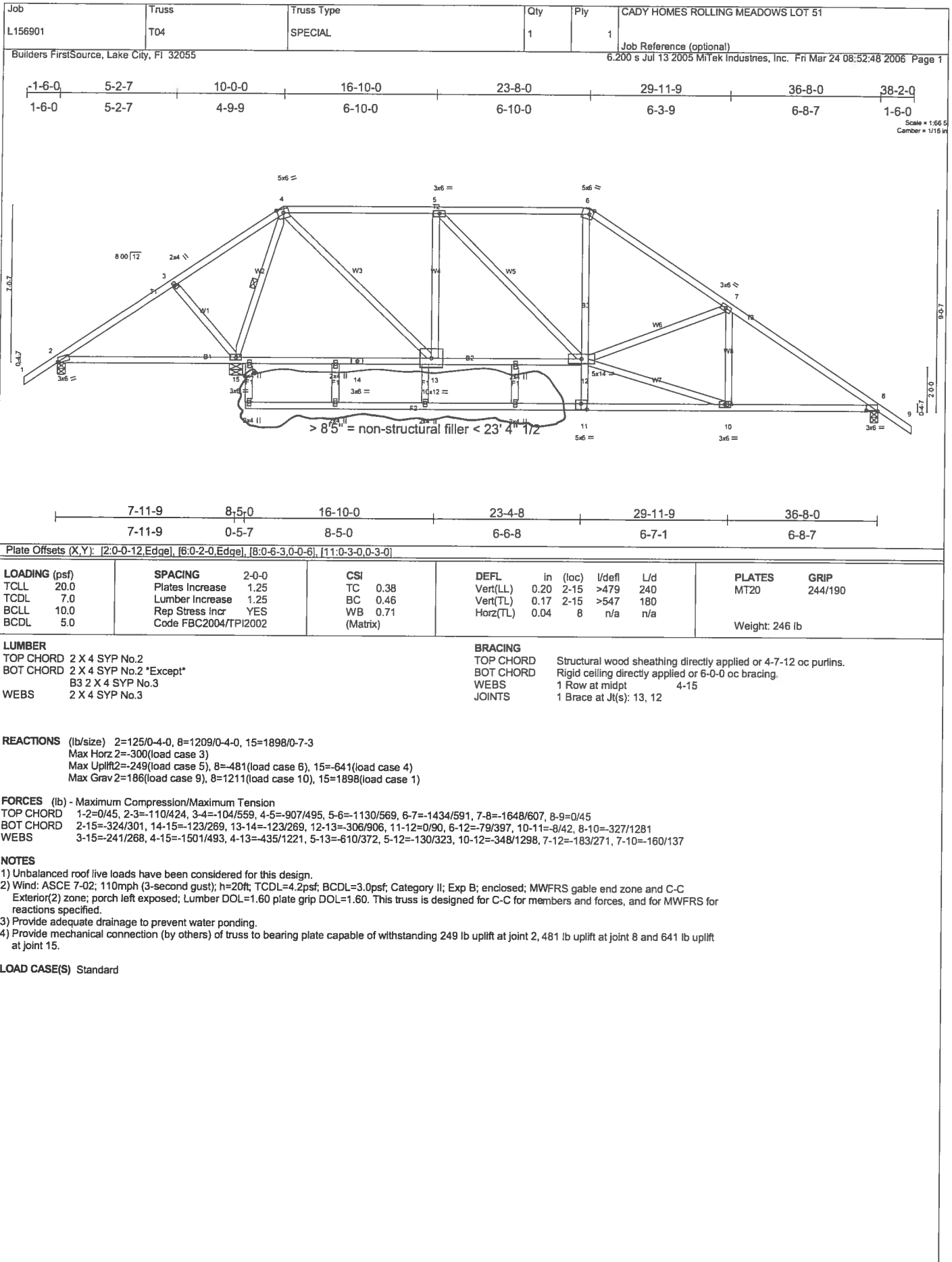
Uniform Loads (plf)

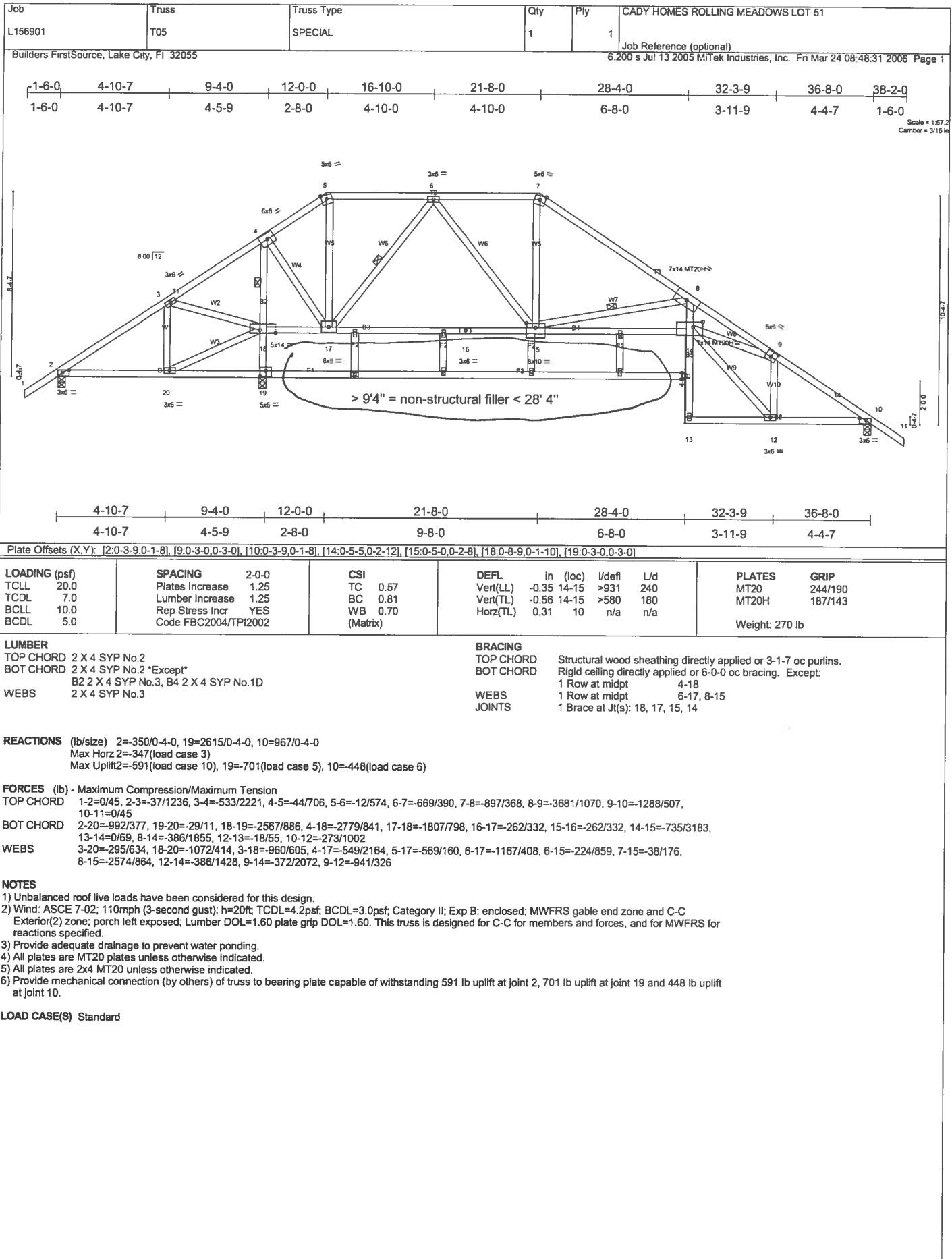
Vert: 1-4=-14, 4-8=-54, 8-9=-54, 2-16=-30, 13-15=-30, 10-12=-30

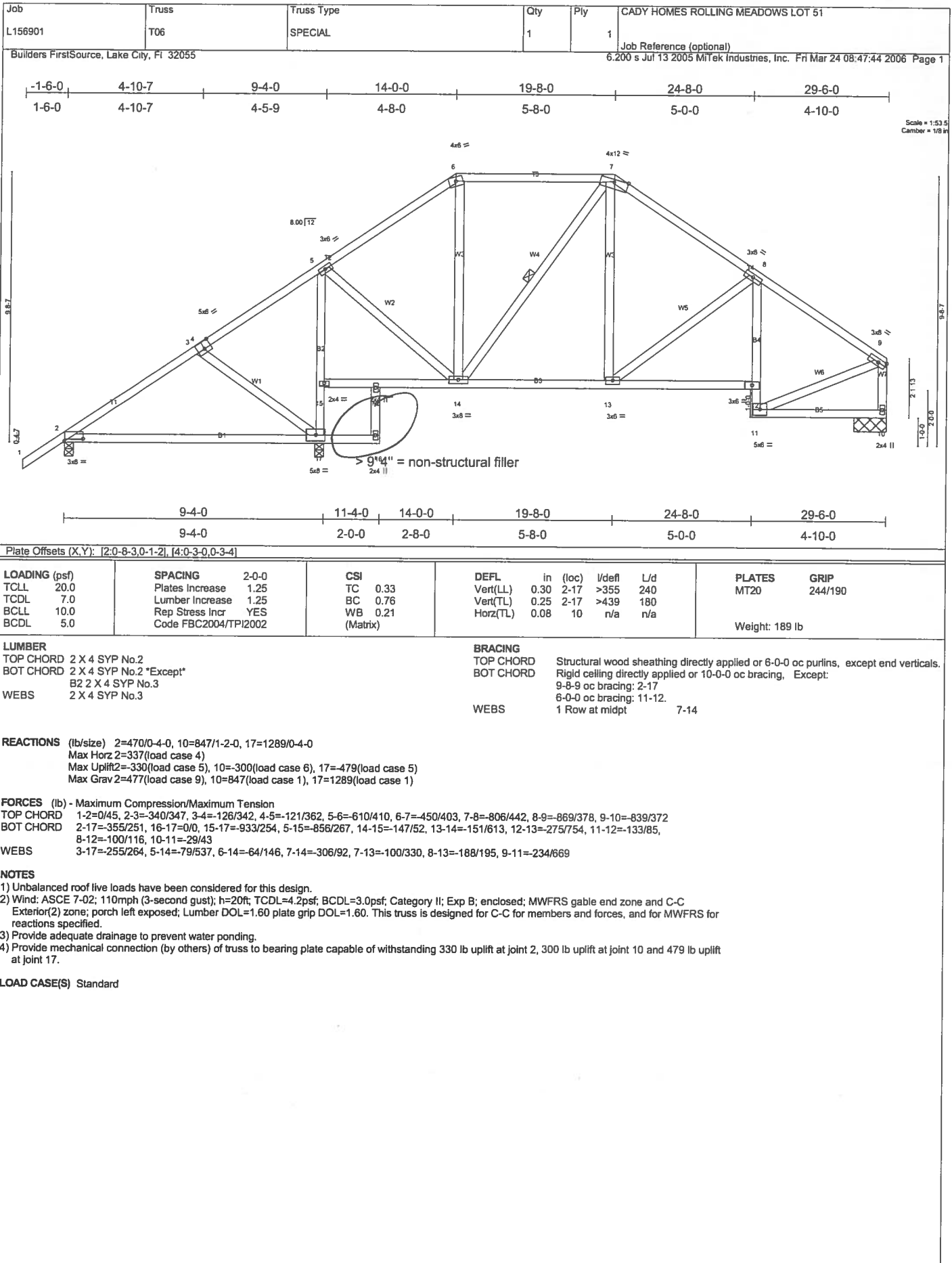
Concentrated Loads (lb)

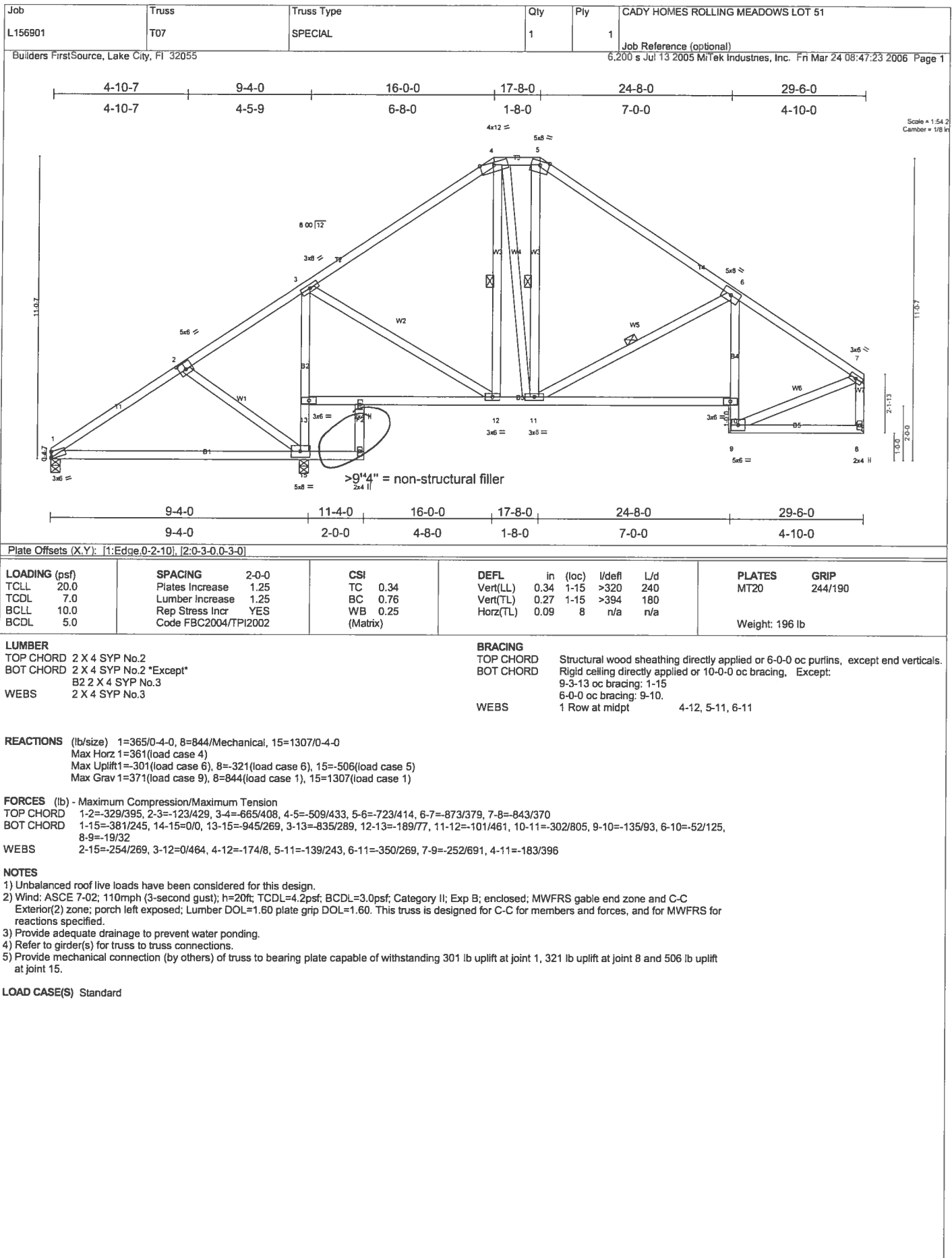
Vert: 18=17(F) 19=45(F)

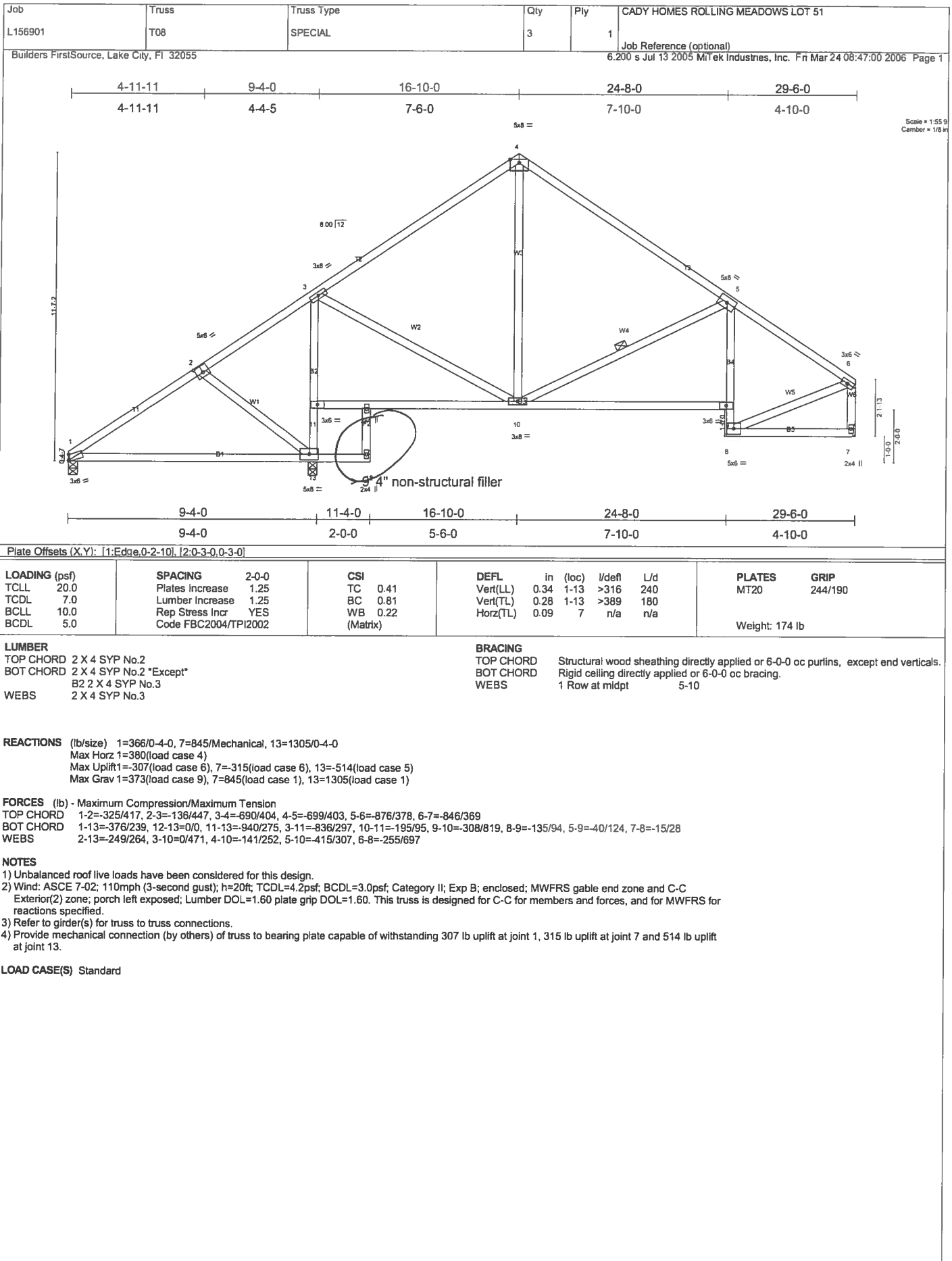


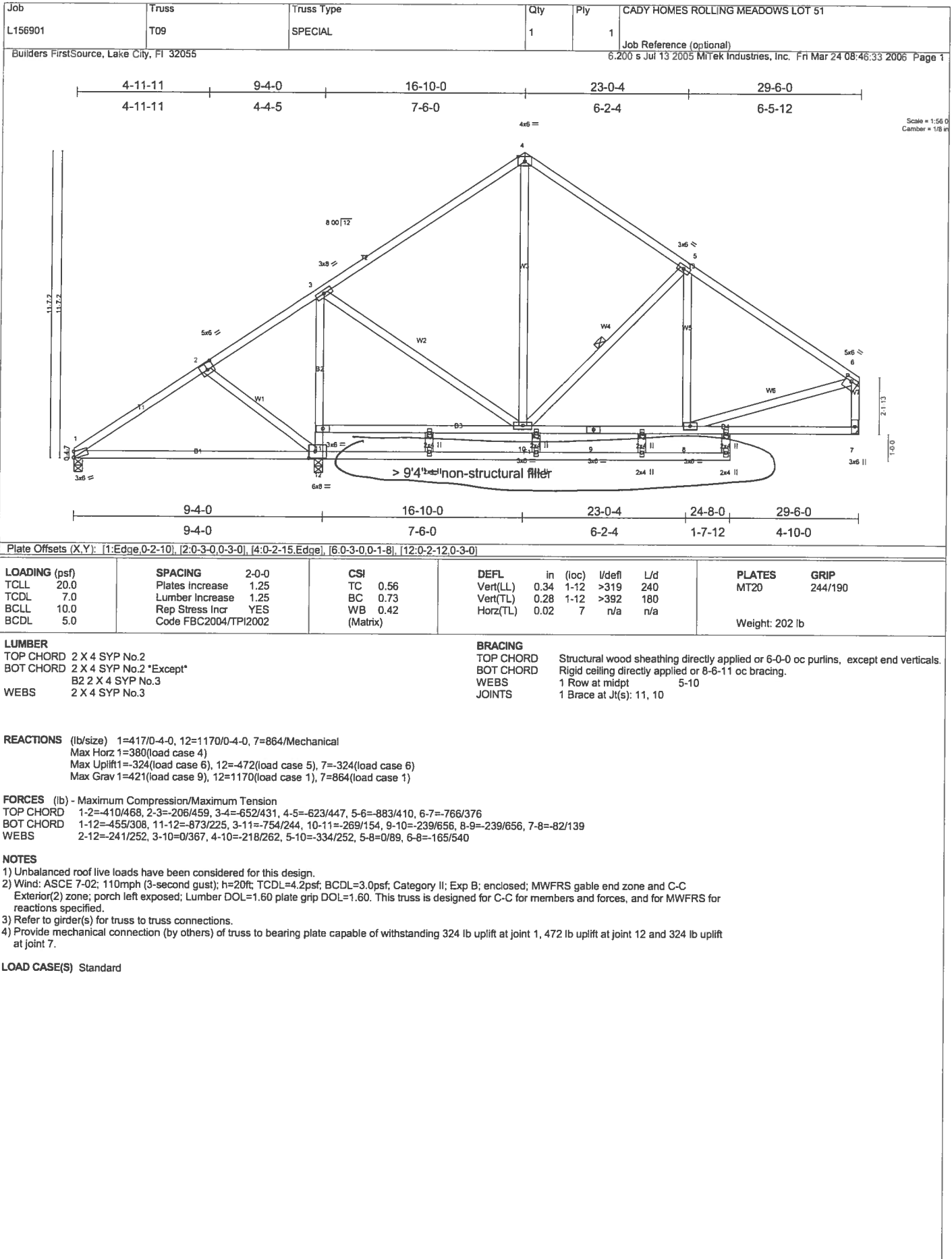












Job L156901	Truss T10	Truss Type SPECIAL	Qty 1	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Fri Mar 24 08:46:04 2006 Page 1		

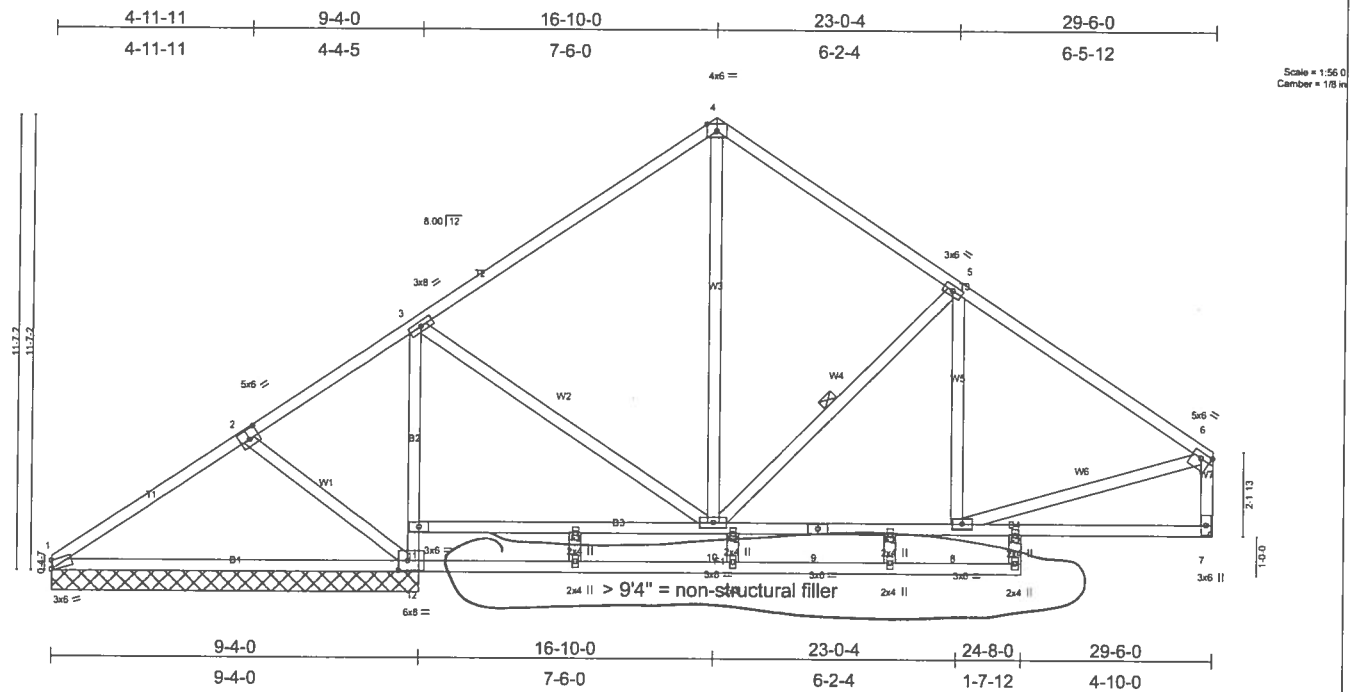


Plate Offsets (X,Y): [1:Edge,0-2-10], [2:0-3-0,0-3-0], [4:0-2-15,Edge], [6:Edge,0-1-12], [12:0-2-12,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.56	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.74	Vert(LL) -0.16 1-12 >686 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.27	Vert(TL) -0.28 1-12 >401 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.01 11 n/a n/a		
	Code FBC2004/TPI2002			Weight: 202 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 "Except"
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10
JOINTS 1 Brace at Jt(s): 11, 10

REACTIONS (lb/size) 1=424/9-4-0, 12=307/9-4-0, 11=870/9-4-0, 7=864/Mechanical
Max Horz 1=380(load case 4)
Max Uplift 1=131(load case 6), 12=114(load case 5), 11=364(load case 5), 7=288(load case 6)
Max Grav 1=428(load case 9), 12=307(load case 1), 11=870(load case 1), 7=864(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-421/214, 2-3=-244/253, 3-4=-652/341, 4-5=-623/349, 5-6=-884/327, 6-7=-766/309
BOT CHORD 1-12=-188/320, 11-12=0/0, 3-11=-751/385, 10-11=-66/155, 9-10=-170/656, 8-9=-170/656, 7-8=-82/139
WEBS 2-12=-253/219, 3-10=-4/366, 4-10=-141/263, 5-10=-334/262, 5-8=0/83, 6-8=-94/540

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.
- Refer to girder(s) for truss to truss connections.
- Bearing at joint(s) 11 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 131 lb uplift at joint 1, 114 lb uplift at joint 12, 364 lb uplift at joint 11 and 288 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	T11	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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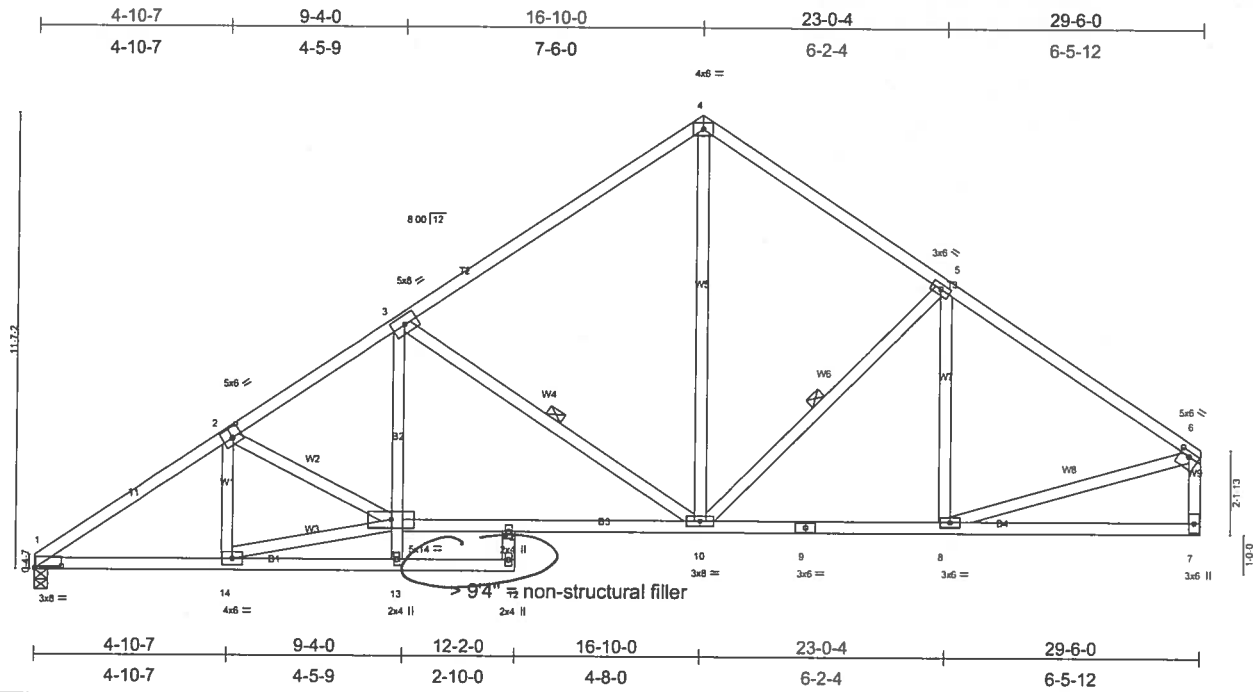
Scale = 1/55
Camber = 1/8 in

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.58	Vert(LL) -0.19 12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.60	Vert(TL) -0.31 12 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 7 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 190 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 *Except*
 B2 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-2-11 oc purins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 3-10, 5-10

REACTIONS

(lb/size) 1=1283/0-4-0, 7=1258/Mechanical
 Max Horz 1=360(load case 4)
 Max Uplift 1=379(load case 5), 7=366(load case 6)

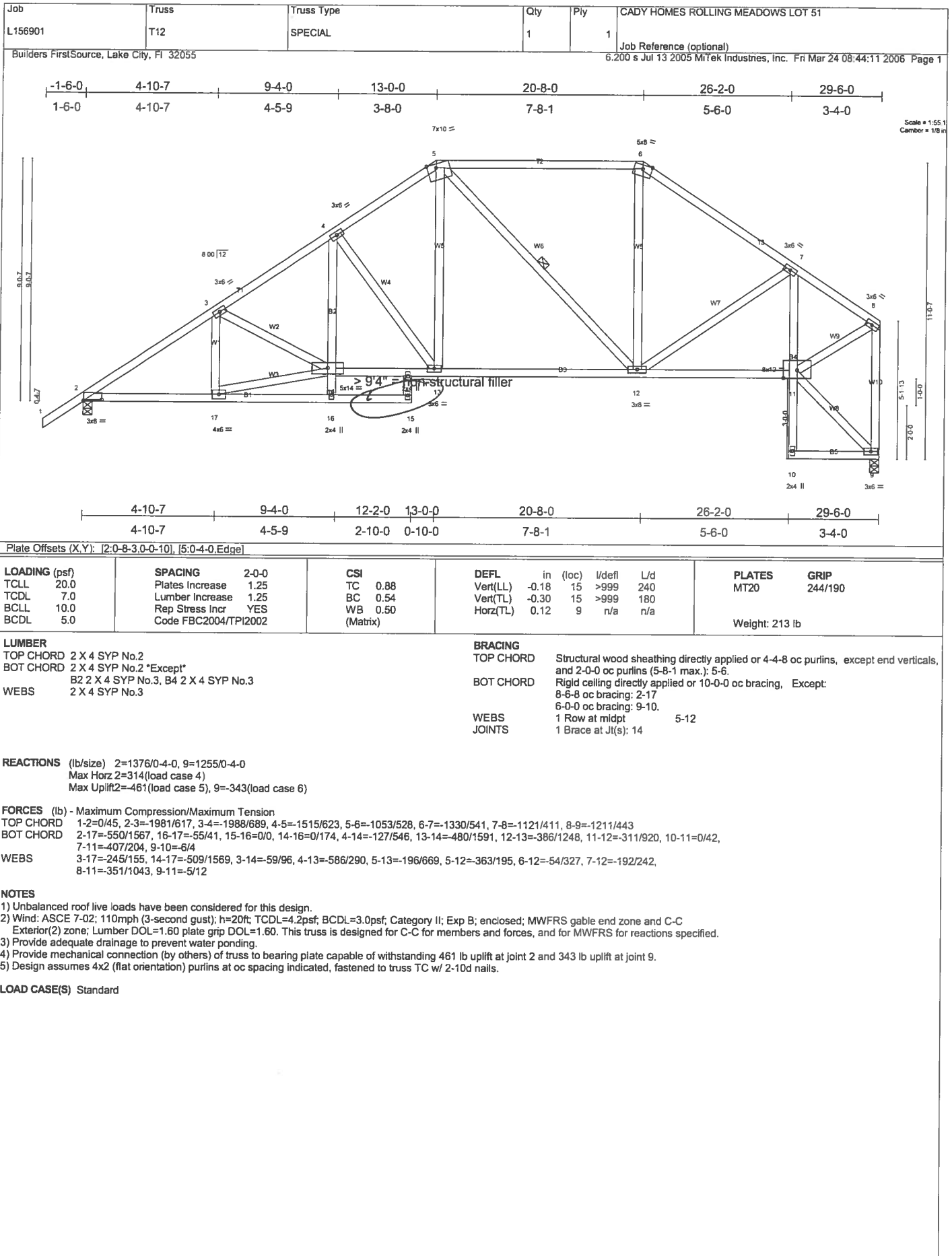
FORCES (lb) - Maximum Compression/Maximum Tension

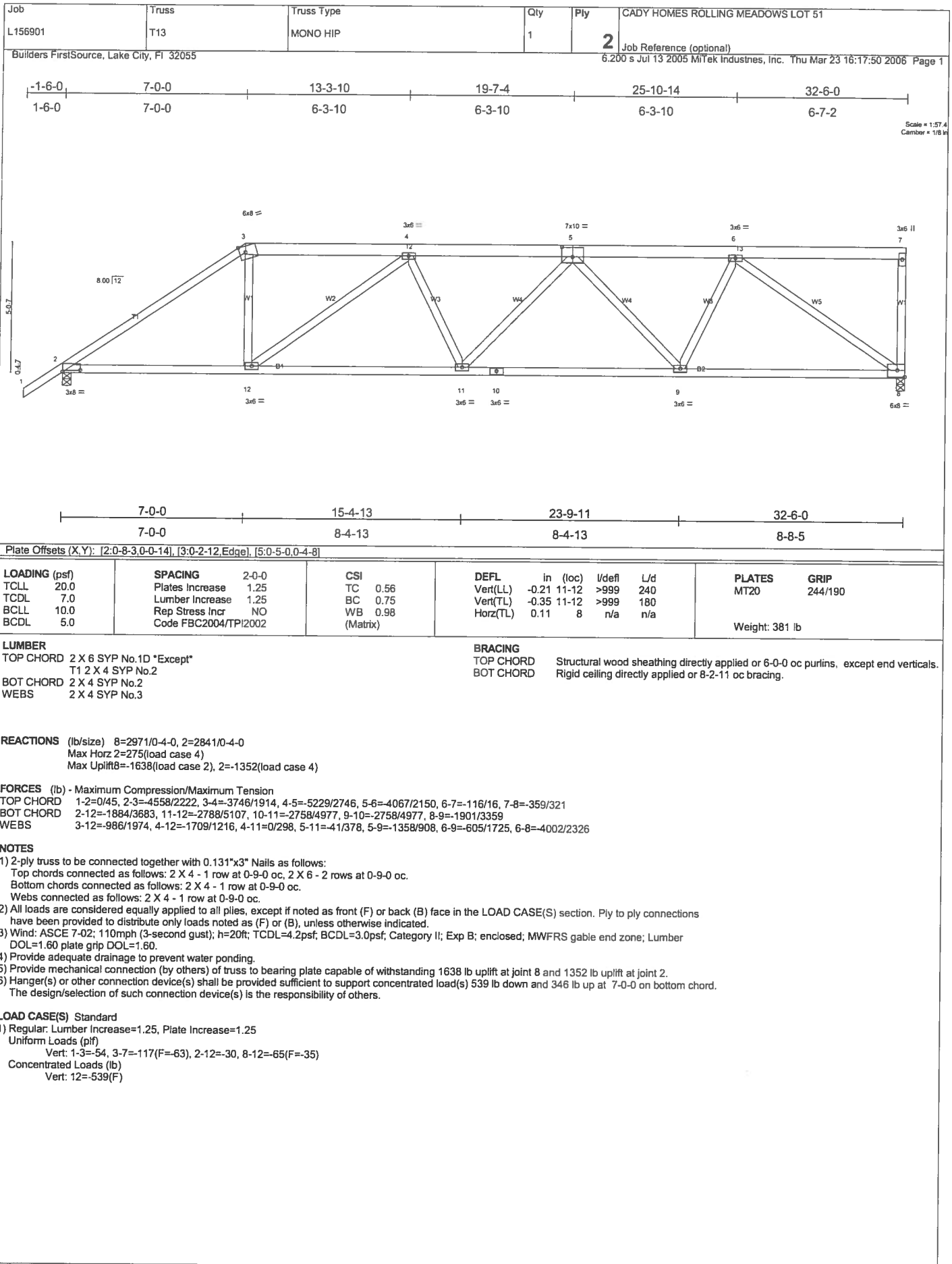
TOP CHORD 1-2=-2002/628, 2-3=-2026/679, 3-4=-1230/524, 4-5=-1202/540, 5-6=-1369/487, 6-7=-1157/438
 BOT CHORD 1-14=-633/1584, 13-14=-108/0, 12-13=0/0, 11-13=0/168, 3-11=-115/643, 10-11=-582/1674, 9-10=-302/1059, 8-9=-302/1059, 7-8=-84/147
 WEBS 2-14=-250/138, 11-14=-542/1680, 2-11=0/93, 3-10=-899/453, 4-10=-322/850, 5-10=-259/239, 5-8=-105/112, 6-8=-230/953

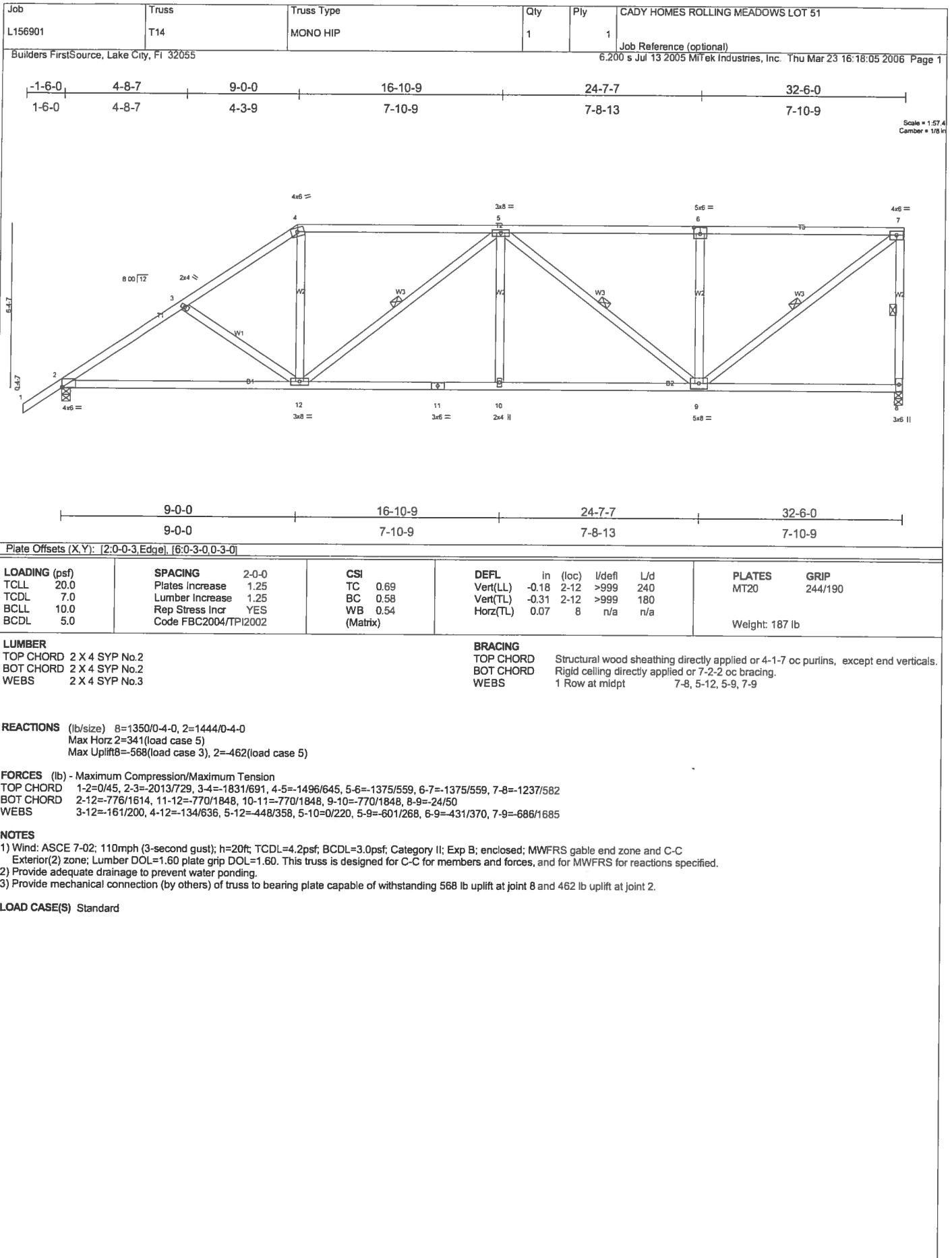
NOTES

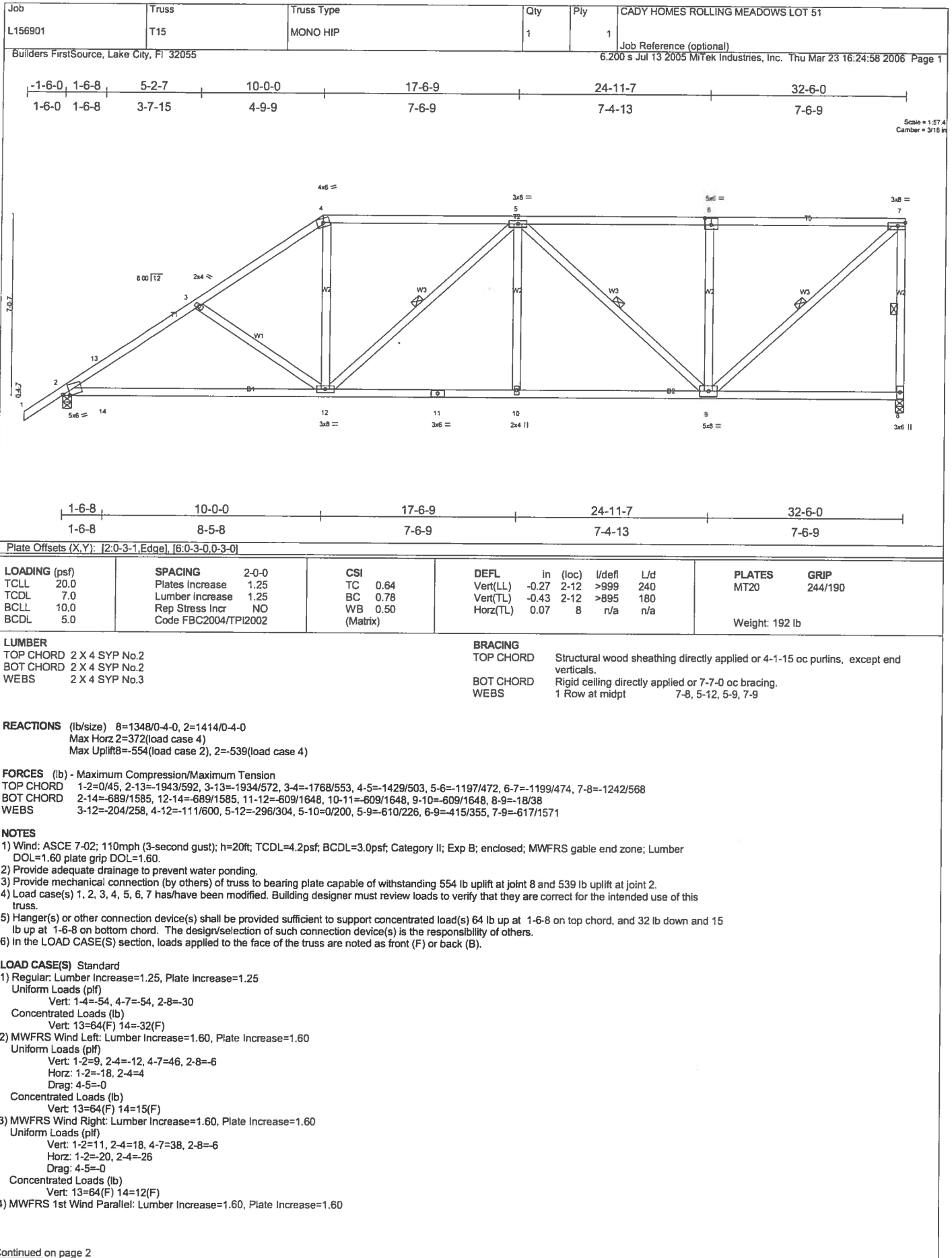
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 1 and 366 lb uplift at joint 7.

LOAD CASE(S) Standard









Continued on page 2

Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	T15	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-2=56, 2-4=38, 4-7=24, 2-8=-6

Horz: 1-2=-65, 2-4=-46

Drag: 4-5=-0

Concentrated Loads (lb)

Vert: 13=64(F) 14=12(F)

5) MWFRS 2nd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=17, 2-4=24, 4-7=24, 2-8=-6

Horz: 1-2=-25, 2-4=-32

Drag: 4-5=-0

Concentrated Loads (lb)

Vert: 13=64(F) 14=7(F)

6) MWFRS 3rd Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=36, 2-4=18, 4-7=12, 2-8=-6

Horz: 1-2=-45, 2-4=-26

Drag: 4-5=-0

Concentrated Loads (lb)

Vert: 13=64(F) 14=4(F)

7) MWFRS 4th Wind Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=5, 2-4=12, 4-7=12, 2-8=-6

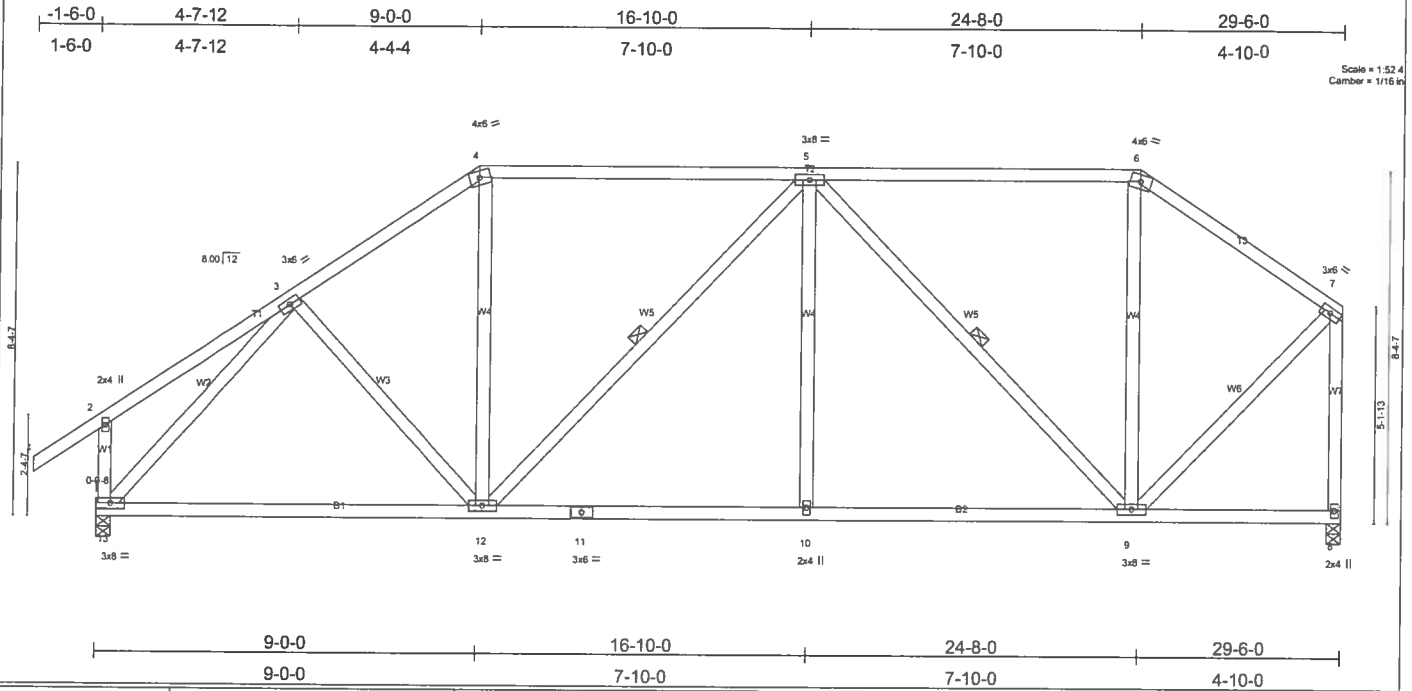
Horz: 1-2=-14, 2-4=-20

Drag: 4-5=-0

Concentrated Loads (lb)

Vert: 13=64(F) 14=2(F)

Job L156901	Truss T16	Truss Type HIP	Qty 1	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055					
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"-0	TC 0.86	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.43	Vert(LL) -0.12 12-13 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.90	Vert(TL) -0.20 12-13 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 8 n/a n/a		
	Code FBC2004/TP12002			Weight: 201 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-3-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-12, 5-9

REACTIONS (lb/size) 13=1319/0-4-0, 8=1222/0-4-0

Max Horz 13=294(load case 5)

Max Uplift 13=429(load case 5), 8=376(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/51, 2-3=215/202, 3-4=1219/550, 4-5=980/524, 5-6=648/368, 6-7=828/358, 2-13=309/289, 7-8=1168/483

BOT CHORD 12-13=463/864, 11-12=512/1135, 10-11=512/1135, 9-10=512/1135, 8-9=14/13

WEBS 3-12=182/247, 4-12=62/295, 5-12=301/262, 5-10=0/229, 5-9=735/395, 6-9=0/133, 3-13=1153/352, 7-9=361/905

NOTES

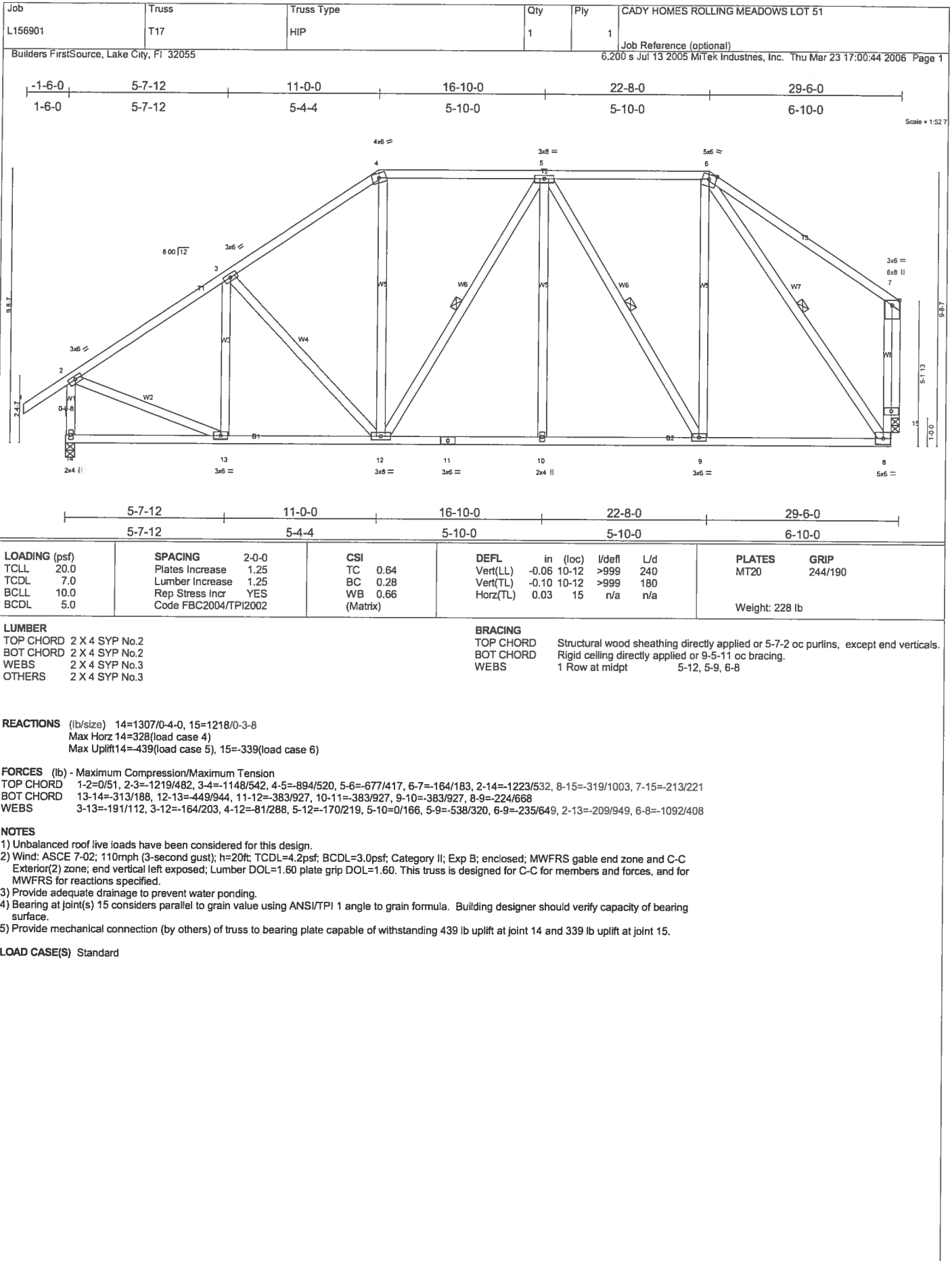
1) Unbalanced roof live loads have been considered for this design.

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

3) Provide adequate drainage to prevent water ponding.

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 429 lb uplift at joint 13 and 376 lb uplift at joint 8.

LOAD CASE(S) Standard



Job L156901	Truss T18	Truss Type HIP	Qty 1	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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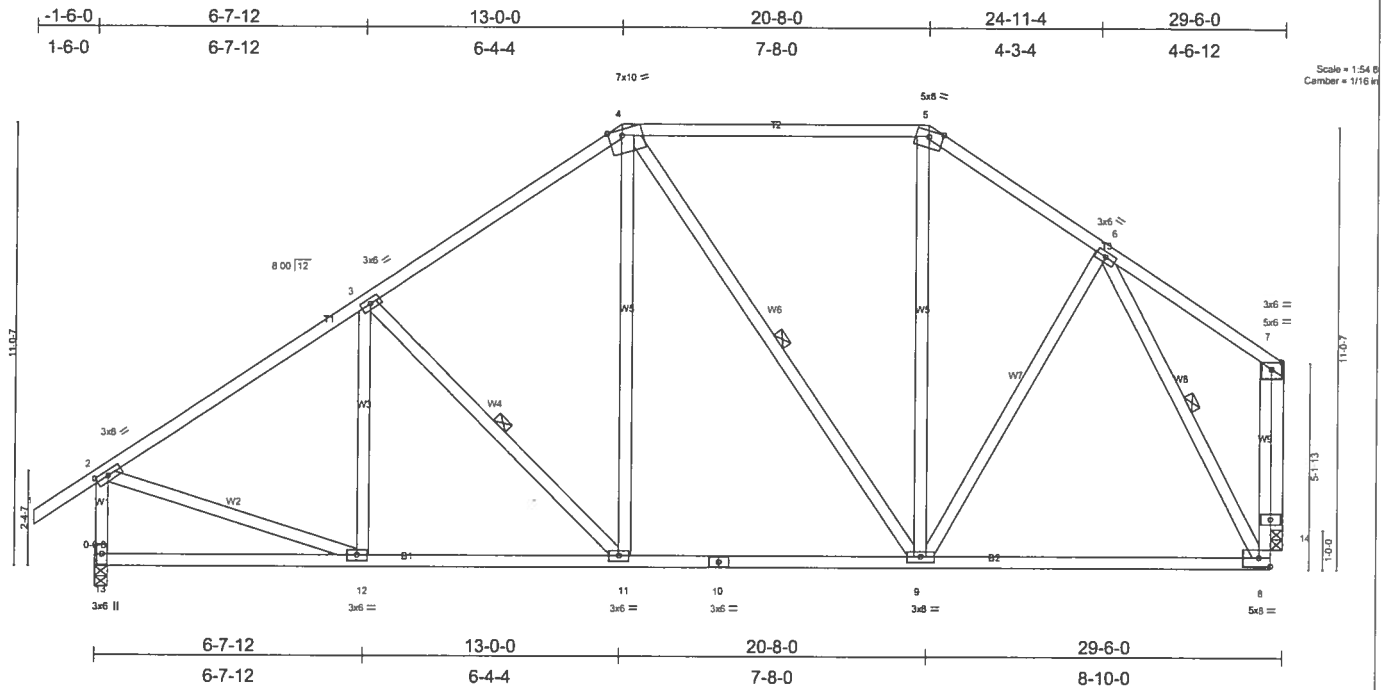


Plate Offsets (X,Y): [2-0-3-13-0-1-8], [4-0-4-0-Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.81	Vert(LL)	-0.10	8-9	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.38	Vert(TL)	-0.17	8-9	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.39	Horz(TL)	-0.02	14	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 221 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 5-4-10 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 9-6-11 oc bracing.
 WEBS 1 Row at midpt 3-11, 4-9, 6-8

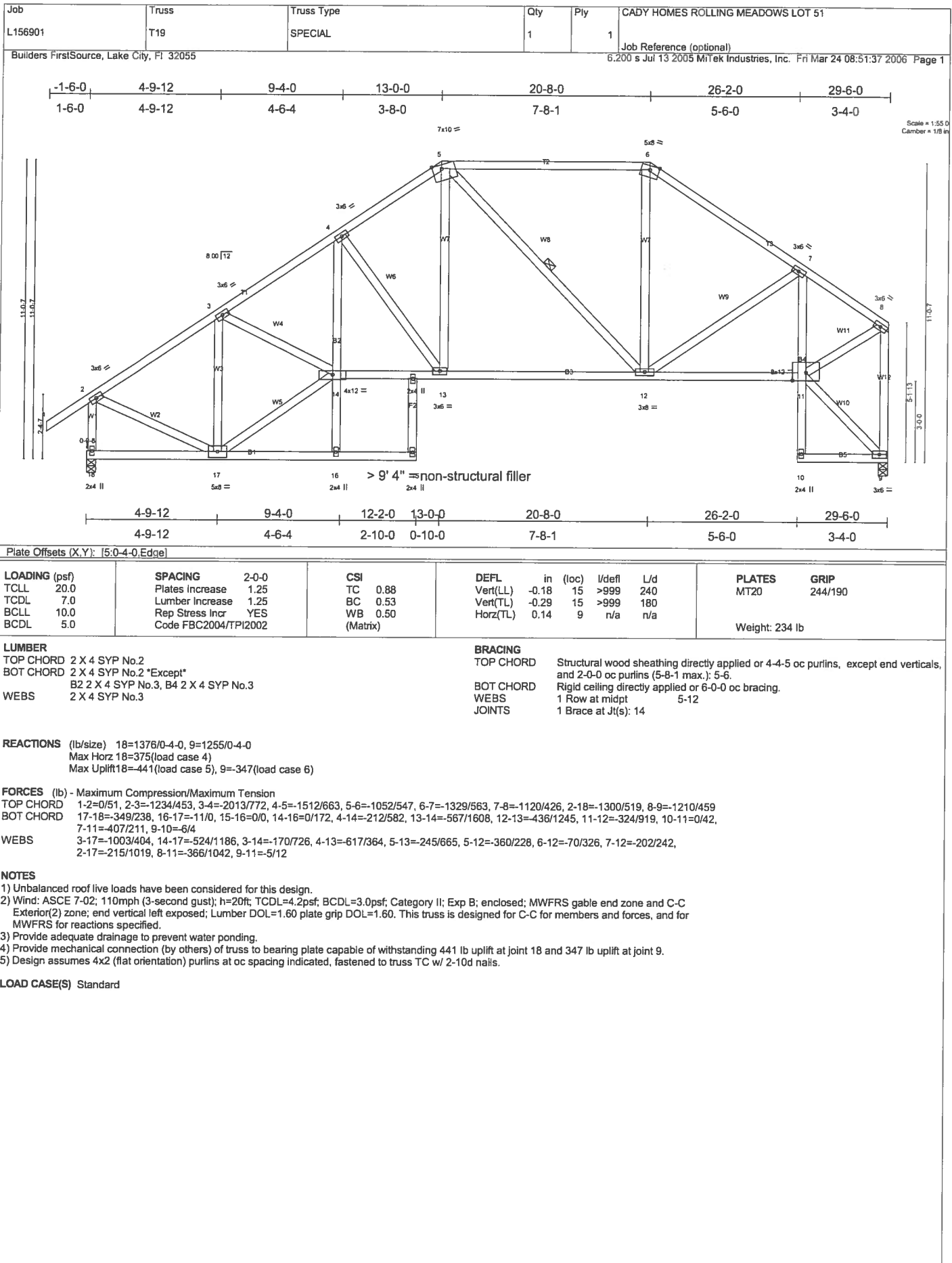
REACTIONS (lb/size) 13=1307/0-4-0, 14=1218/0-3-8
 Max Horz 13=374(load case 4)
 Max Uplift 13=449(load case 5), 14=354(load case 6)

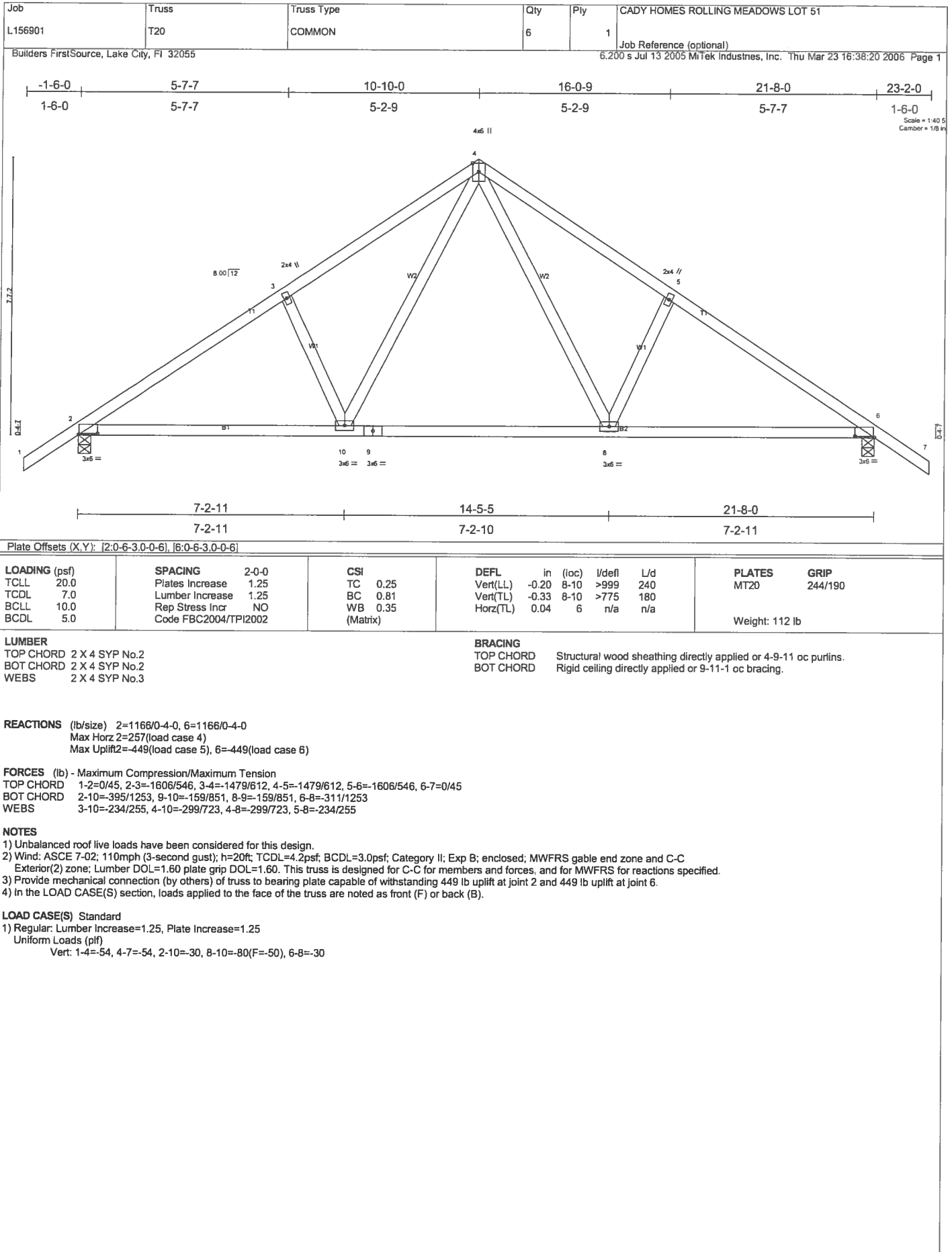
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/51, 2-3=-1264/487, 3-4=-1088/528, 4-5=-710/455, 5-6=-896/471, 6-7=-131/93, 2-13=-1209/528, 8-14=-340/1054, 7-14=-163/122
 BOT CHORD 12-13=-374/239, 11-12=-439/969, 10-11=-322/835, 9-10=-322/835, 8-9=-196/529
 WEBS 3-12=-102/97, 3-11=-208/262, 4-11=-146/348, 4-9=-282/207, 5-9=-60/150, 6-9=-212/404, 2-12=-172/920, 6-8=-1045/410

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Bearing at joint(s) 14 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 449 lb uplift at joint 13 and 354 lb uplift at joint 14.

LOAD CASE(S) Standard





Job L156901	Truss T20G	Truss Type COMMON	Qty 1	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055					
Job Reference (optional)					

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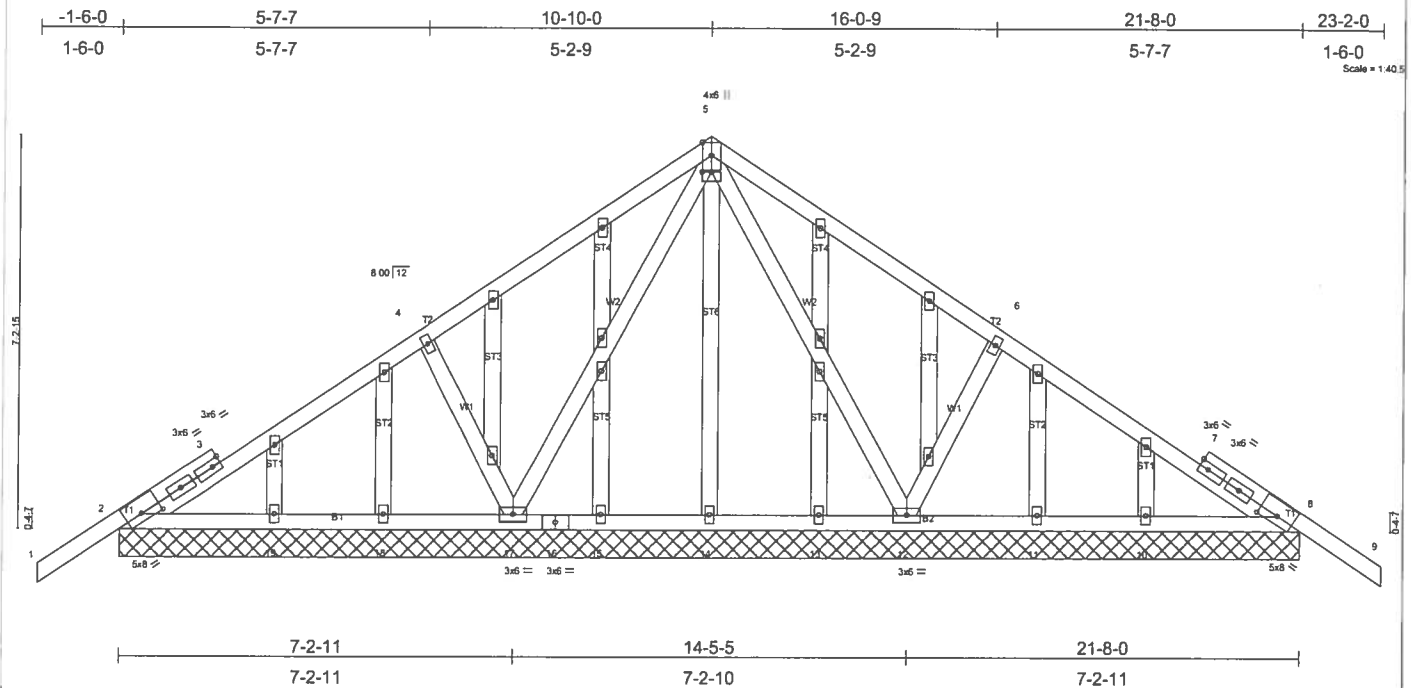


Plate Offsets (X,Y): [2-0-4-5,0-1-12], [5-0-2-0,0-0-0], [8-0-4-5,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.12	Vert(LL) 0.01 9 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.28	Vert(TL) 0.01 9 n/r 90		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 8 n/a n/a		
	Code FBC2004/TP/2002			Weight: 161 lb	

LUMBER

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

REACTIONS

(lb/size) 2=221/21-8-0, 8=221/21-8-0, 17=519/21-8-0, 12=519/21-8-0, 14=66/21-8-0, 15=47/21-8-0, 18=44/21-8-0, 19=127/21-8-0, 13=47/21-8-0, 11=44/21-8-0, 10=127/21-8-0
 Max Horz 2=245(load case 4)
 Max Uplift 2=117(load case 5), 8=139(load case 6), 17=314(load case 5), 12=291(load case 6), 19=22(load case 6), 10=20(load case 6)
 Max Grav 2=235(load case 9), 8=235(load case 10), 17=519(load case 1), 12=519(load case 1), 14=66(load case 1), 15=48(load case 10), 18=57(load case 10), 19=127(load case 1),
 13=48(load case 9), 11=57(load case 9), 10=127(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/43, 2-3=125/92, 3-4=101/111, 4-5=76/235, 5-6=11/235, 6-7=45/109, 7-8=70/37, 8-9=0/43
 BOT CHORD 2-19=82/211, 18-19=82/211, 17-18=82/211, 16-17=33/252, 15-16=33/252, 14-15=33/252, 13-14=33/252, 12-13=33/252,
 11-12=36/170, 10-11=36/170, 8-10=36/170
 WEBS 4-17=261/261, 5-17=256/101, 5-12=256/97, 6-12=261/263

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Mitek "Standard Gable End Detail"
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 117 lb uplift at joint 2, 139 lb uplift at joint 8, 314 lb uplift at joint 17, 291 lb uplift at joint 12, 22 lb uplift at joint 19 and 20 lb uplift at joint 10.
- 8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 8.

LOAD CASE(S) Standard

Job L156901	Truss T21	Truss Type COMMON	Qty 4	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Mar 23 16:39:43 2006 Page 1		

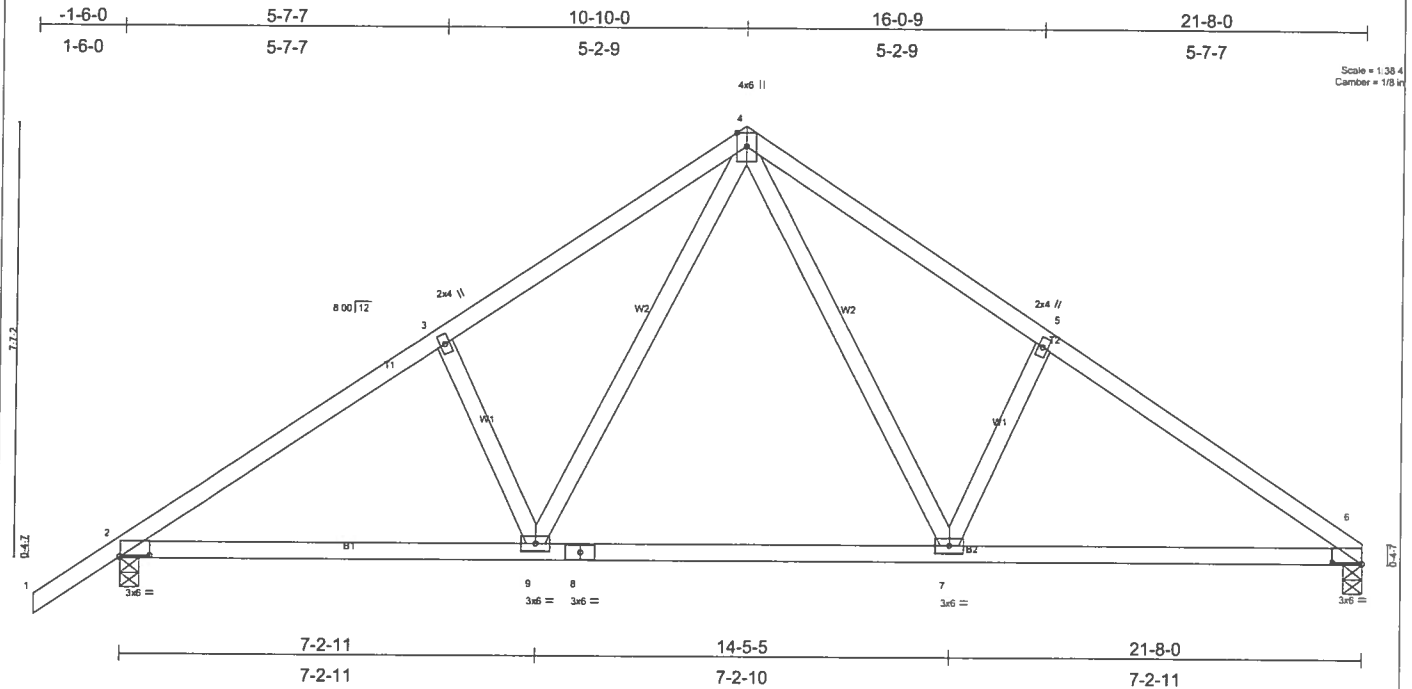


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [6:0-6-3,0-0-6]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	Vert(LL)	-0.20	7-9	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.83	Vert(TL)	-0.33	7-9	>785	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.38	Horz(TL)	0.04	6	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 109 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-8 oc bracing.

REACTIONS (lb/size) 6=1073/0-4-0, 2=1170/0-4-0
Max Horz 2=274(load case 4)
Max Uplift 6=-350(load case 6), 2=-450(load case 5)

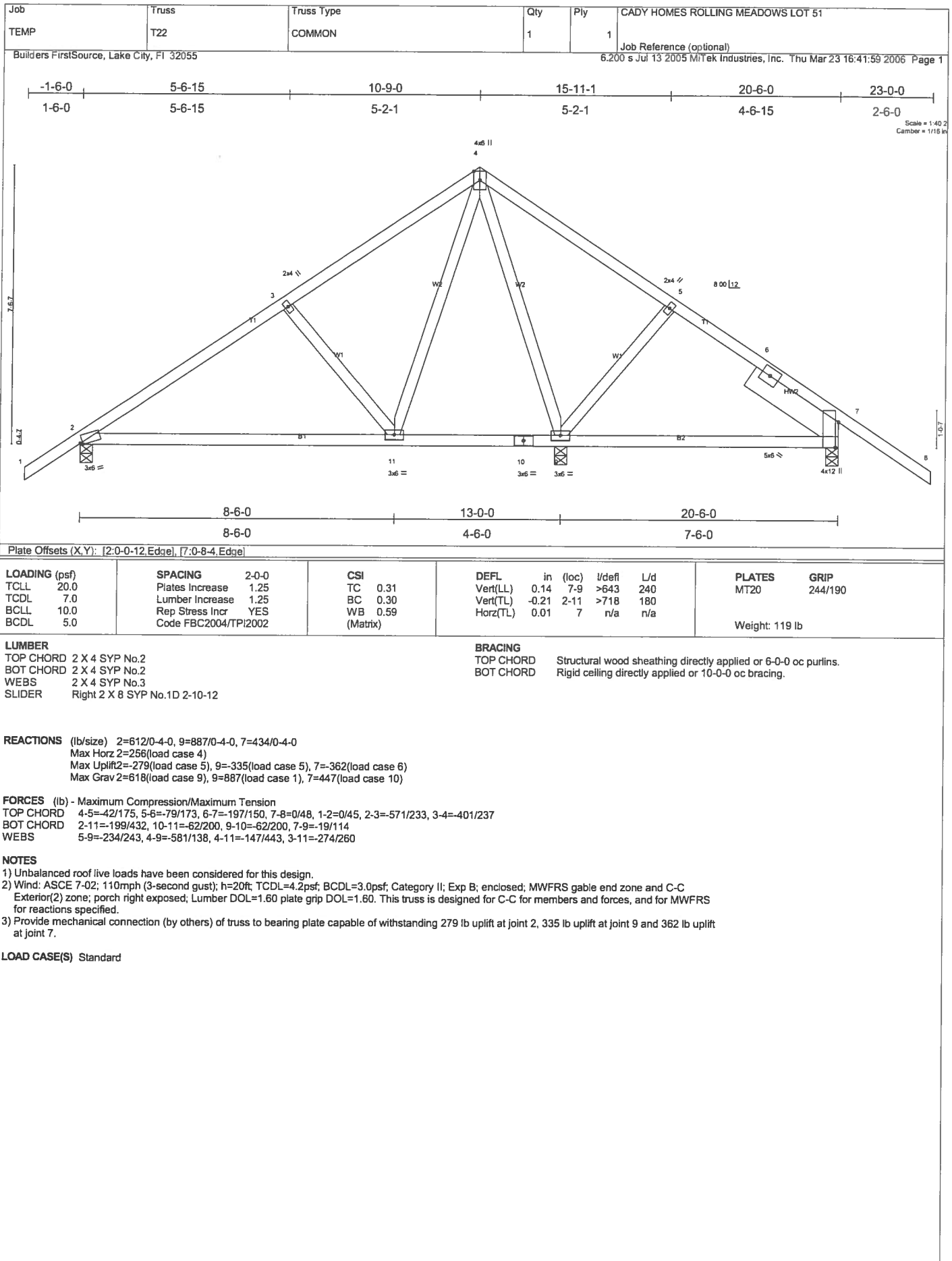
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1612/554, 3-4=-1485/620, 4-5=-1496/638, 5-6=-1622/569
BOT CHORD 2-9=-422/1258, 8-9=-186/856, 7-8=-186/856, 6-7=-378/1271
WEBS 3-9=-234/255, 4-9=-298/723, 4-7=-325/742, 5-7=-243/268

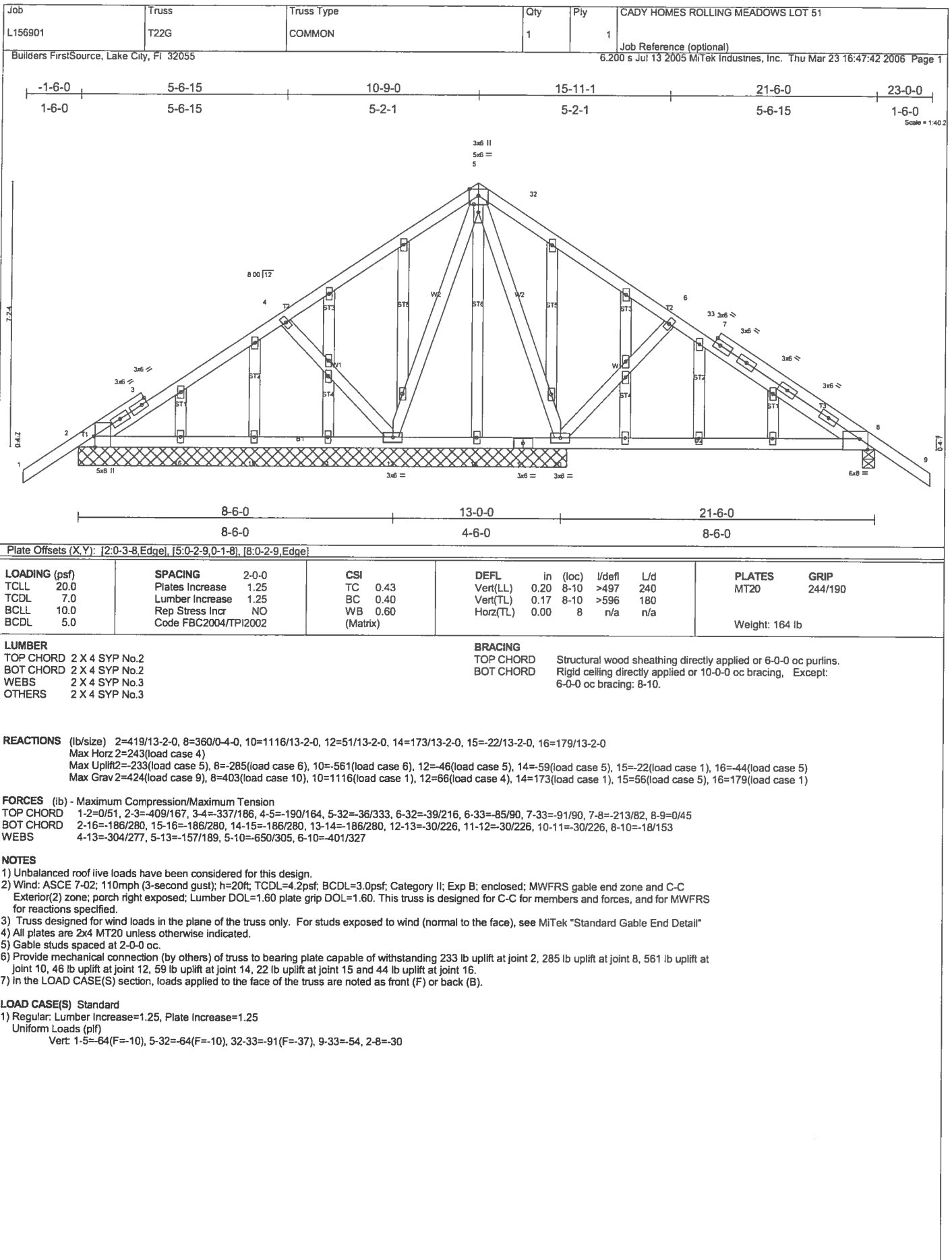
NOTES

- 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 350 lb uplift at joint 6 and 450 lb uplift at joint 2.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-9=-30, 7-9=-80(F=-50), 6-7=-30





Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
TEMP	T23	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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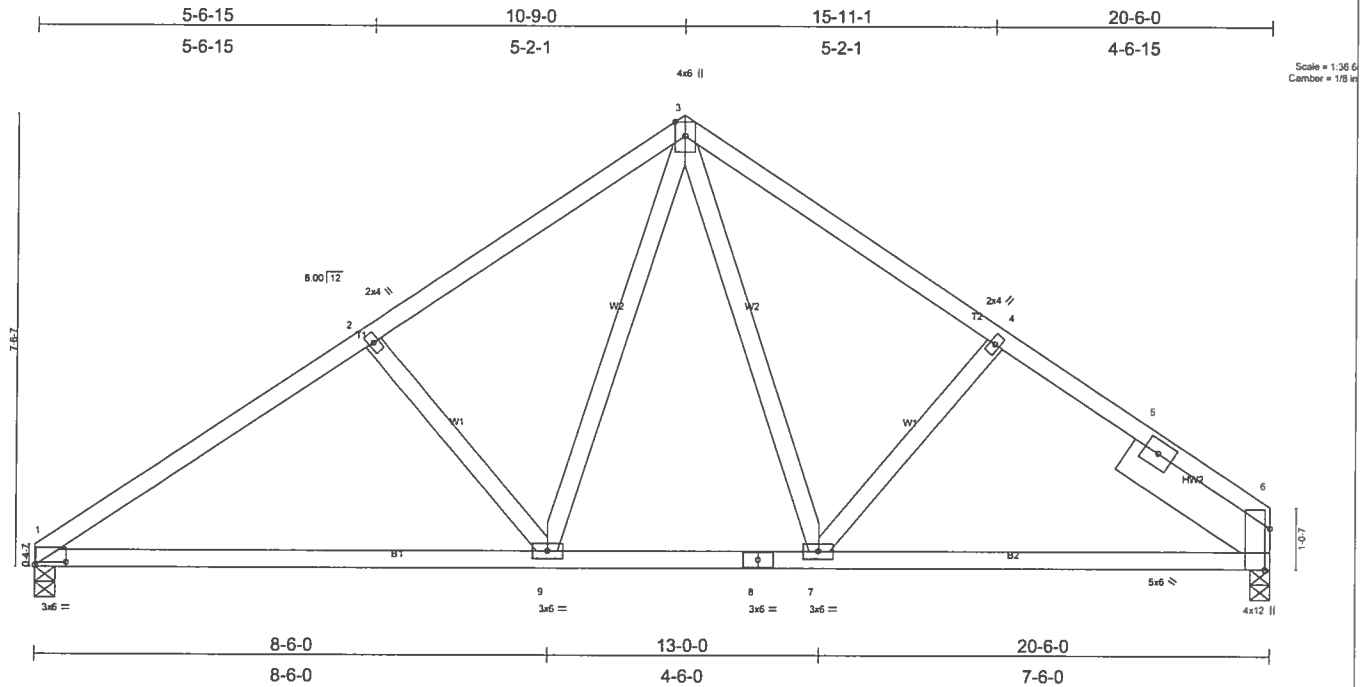


Plate Offsets (X,Y): [1:0-6-3,0-0-10], [6:0-8-4,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	Vert(LL)	-0.15	1-9	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.41	Vert(TL)	-0.26	1-9	>954	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.19	Horz(TL)	0.03	6	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 112 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 SLIDER Right 2 X 8 SYP No.1D 2-10-12

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-3-11 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 1=854/0-4-0, 6=854/0-4-0
 Max Horz 1=-251(load case 3)
 Max Uplift 1=-272(load case 5), 6=-266(load case 6)

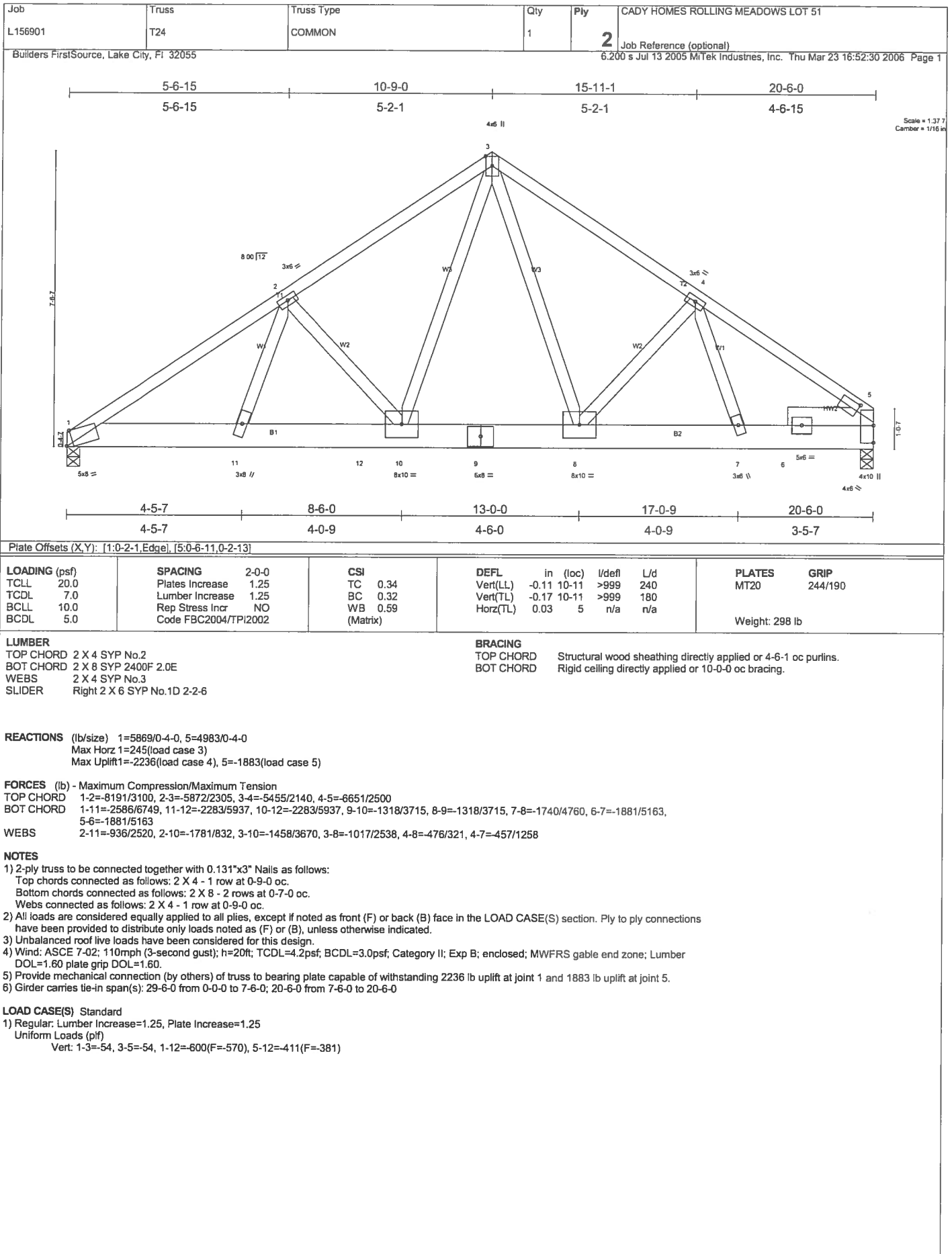
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1159/438, 2-3=-990/442, 3-4=-917/418, 4-5=-1001/412, 5-6=-1076/393
 BOT CHORD 1-9=-328/915, 8-9=-103/624, 7-8=-103/624, 6-7=-226/797
 WEBS 2-9=-270/267, 3-9=-189/454, 3-7=-143/300, 4-7=-179/222

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 272 lb uplift at joint 1 and 266 lb uplift at joint 6.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	T25	COMMON	1	1	
					Job Reference (optional)

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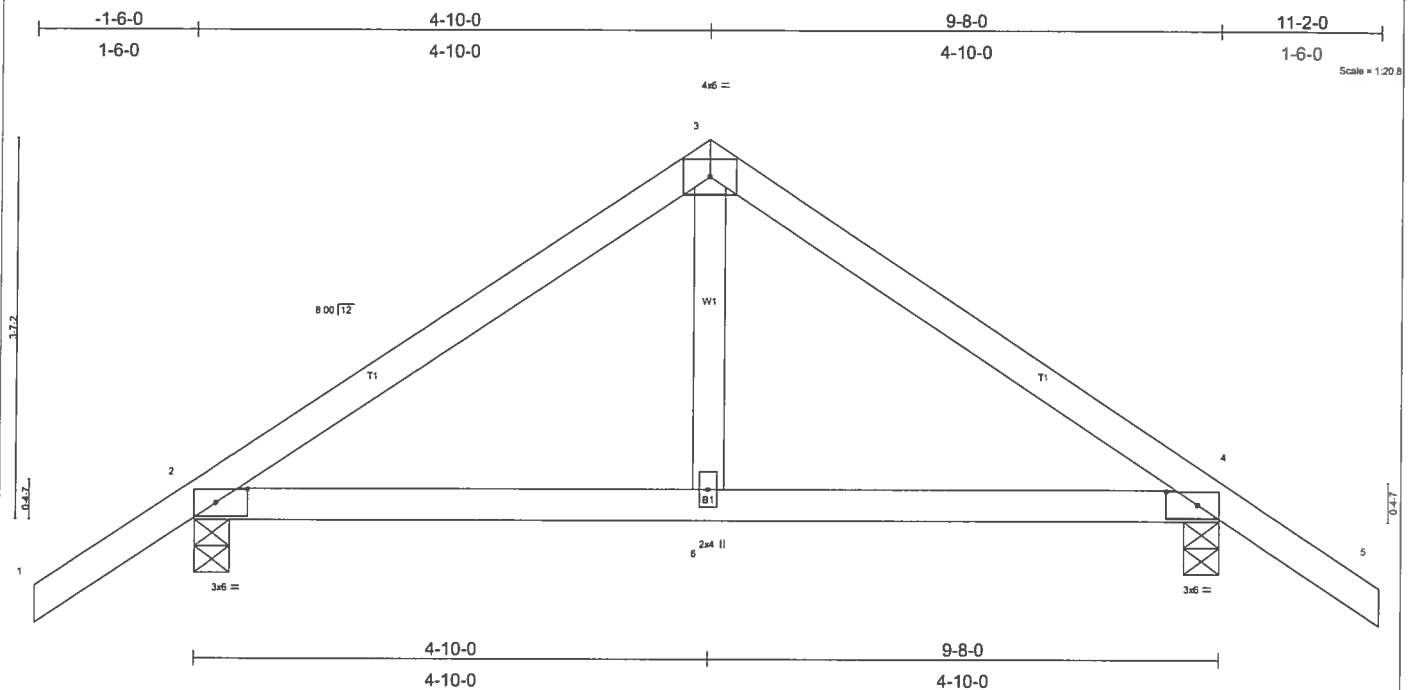


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]													
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase 1.25		TC 0.19		Vert(LL)		0.03	4-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase 1.25		BC 0.15		Vert(TL)		0.03	4-6	>999	180		
BCLL	10.0	Rep Stress Incr YES		WB 0.06		Horz(TL)		0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TP12002		(Matrix)									
												Weight: 42 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=482/0-4-0, 4=482/0-4-0
Max Horz 2=119(load case 4)
Max Uplift 2=-342(load case 5), 4=-342(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-447/434, 3-4=-447/434, 4-5=0/45
BOT CHORD 2-6=-209/312, 4-6=-209/312
WEBS 3-6=-286/164

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); $n=20ft$; 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 gnp 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 342 lb uplift at joint 2 and 342 lb uplift at joint 4.

LOAD CASE(S) Standard

**MARCH 29, 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 L156901	Truss T25G	Truss Type COMMON	Qty 1	Ply 1	CADY HOMES ROLLING MEADOWS LOT 51
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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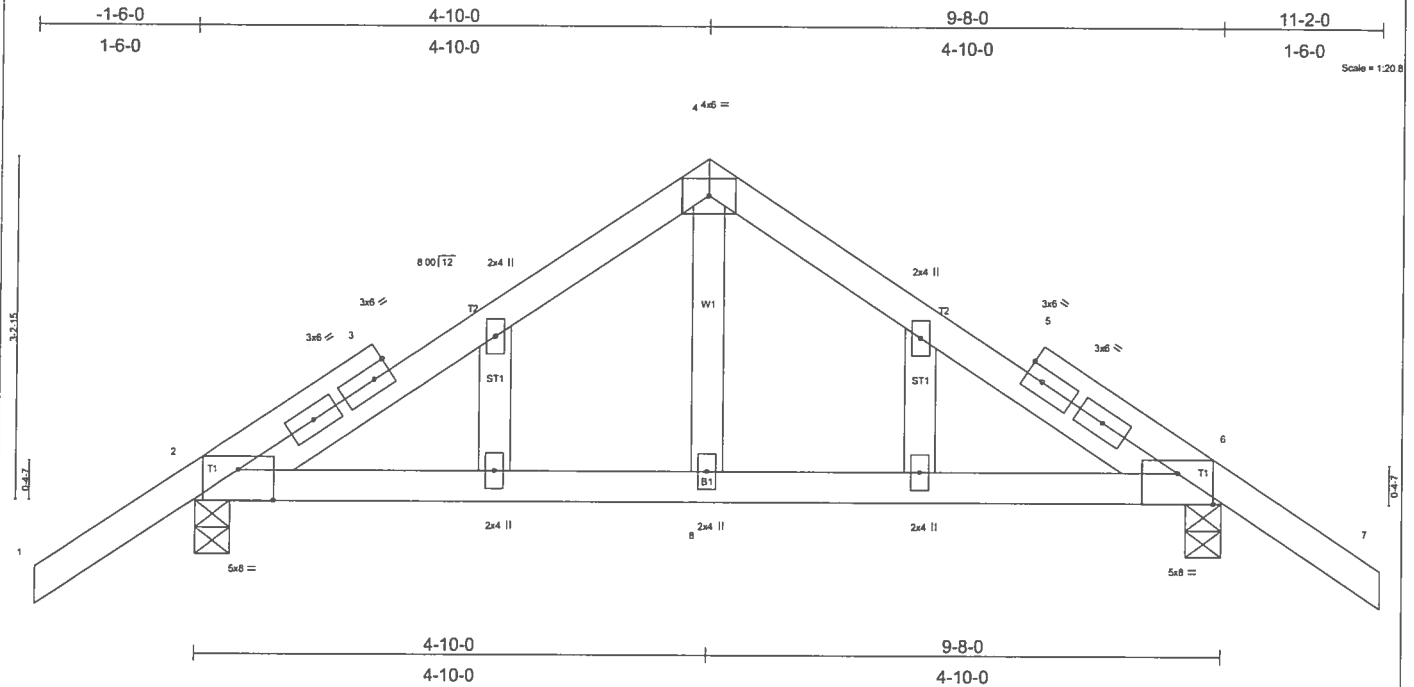


Plate Offsets (X,Y): [2:0-4-0,0-3-7], [6:0-4-0,0-3-7]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.22	Vert(LL) 0.04 6-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) 0.03 6-8 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 6 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
 OTHERS 2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 2=545/0-4-0, 6=545/0-4-0

Max Horz 2=106(load case 4)

Max Uplift 2=-386(load case 5), 6=-386(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2/53, 2-3=-531/509, 3-4=-474/509, 4-5=-474/509, 5-6=-531/509, 6-7=-2/53

BOT CHORD 2-8=-305/394, 6-8=-305/394

WEBS 4-8=-290/171

NOTES

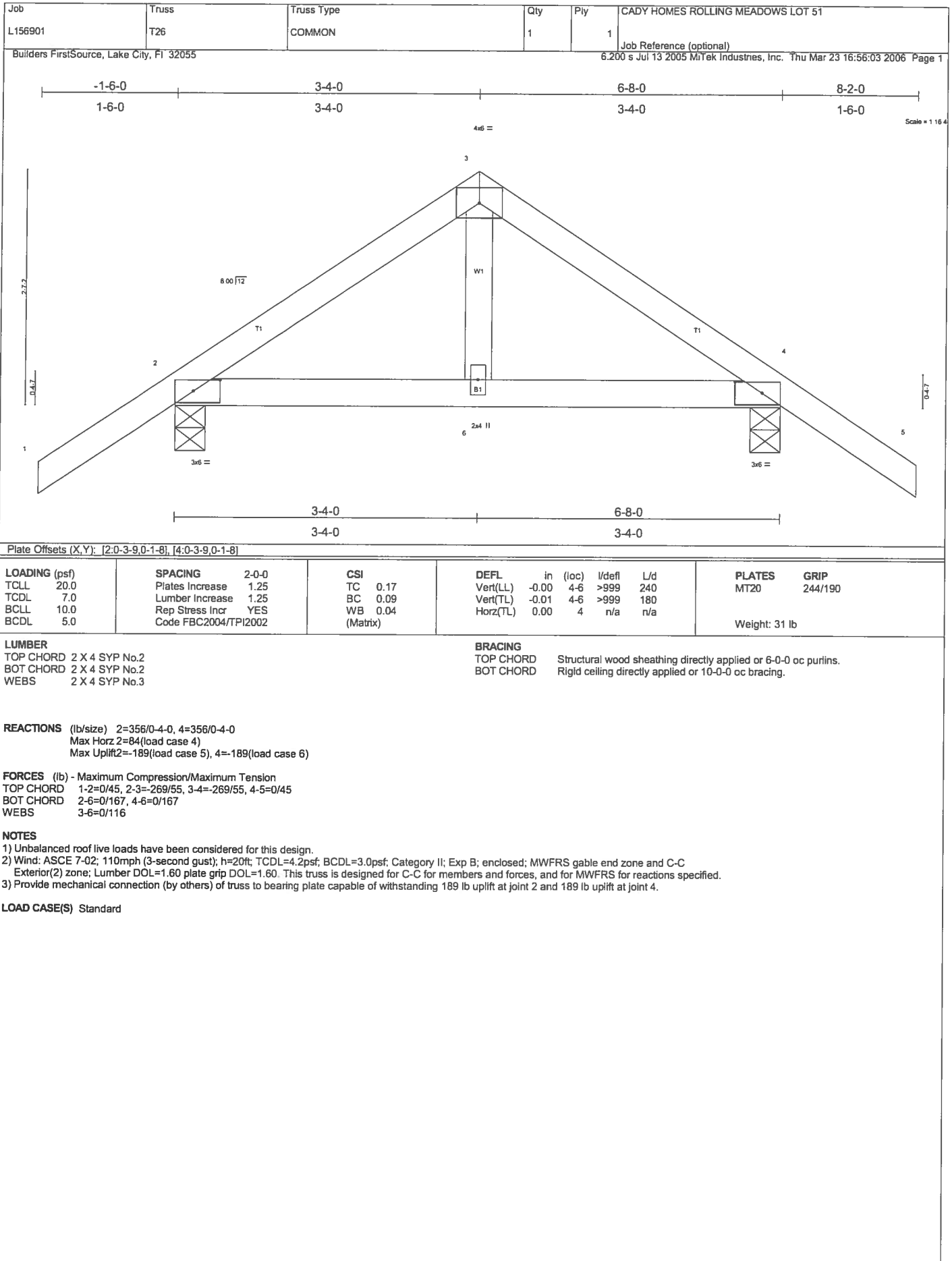
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) Gable studs spaced at 2-0-0 oc.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 386 lb uplift at joint 2 and 386 lb uplift at joint 6.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

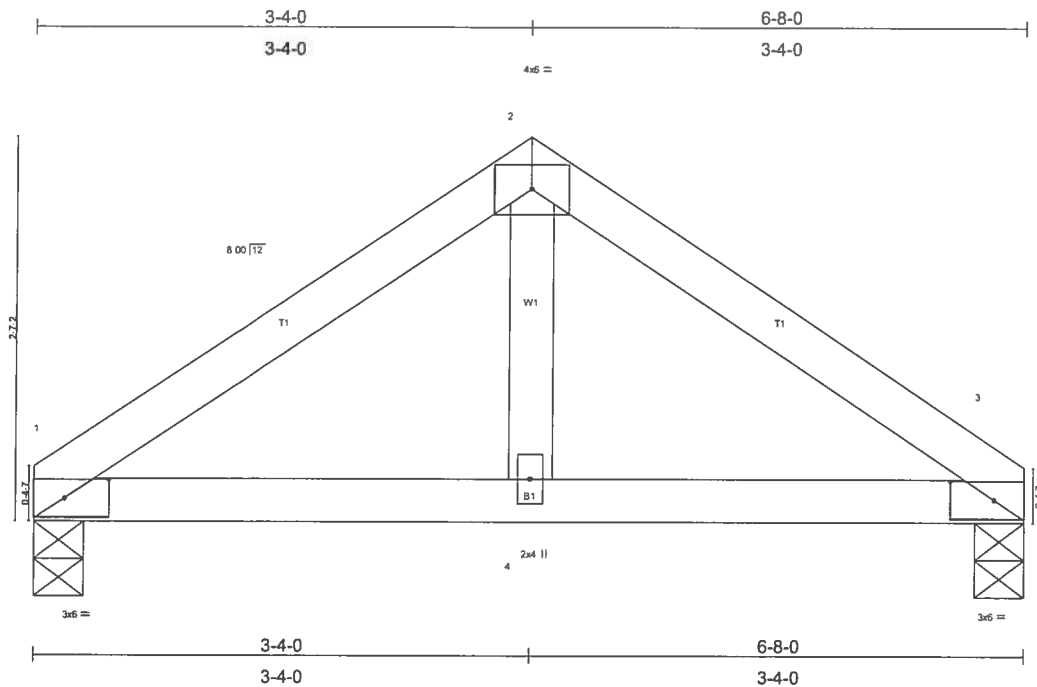
Uniform Loads (plf)

Vert: 1-4=-64(F=-10), 4-7=-64(F=-10), 2-6=-30



Job	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	T27	COMMON	1	1	Job Reference (optional)

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Scale = 1:14.8

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

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.13	Vert(LL) -0.00 3-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.09	Vert(TL) -0.01 3-4 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.04	Horz(TL) 0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 25 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
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=266/0-4-0, 3=266/0-4-0
Max Horz 1=79(load case 4)
Max Uplift1=-84(load case 5), 3=-84(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-285/97, 2-3=-285/97
BOT CHORD 1-4=-22/199, 3-4=-22/199
WEBS 2-4=0/116

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 1 and 84 lb uplift at joint 3.

LOAD CASE(S) Standard

MARCH 29, 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	Truss	Truss Type	Qty	Ply	CADY HOMES ROLLING MEADOWS LOT 51
L156901	T28	COMMON	1	2	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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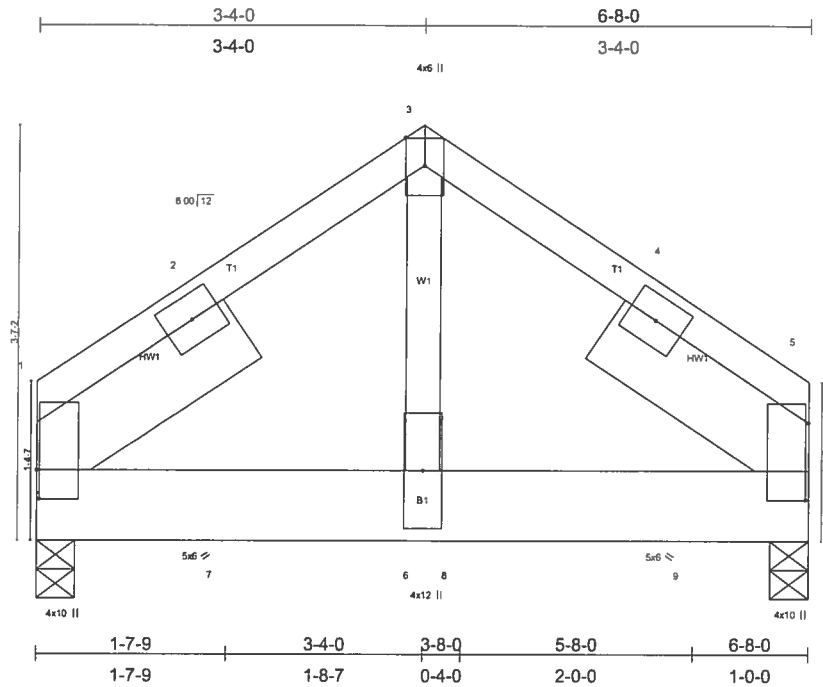


Plate Offsets (X,Y): [1:0-3-0-0-0-5], [5:0-8-0-0-0-5]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.77	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.29	Vert(TL)	-0.06	5-6	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.54	Horz(TL)	0.00	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 100 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.1D
 BOT CHORD 2 X 8 SYP 2400F 2.0E
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 8 SYP No.1D 2-1-12, Right 2 X 8 SYP No.1D 2-1-12

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=2129/0-4-0, 5=3507/0-4-0
 Max Horz 1=108(load case 3)
 Max Uplift 1=-782(load case 4), 5=-1302(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2642/1006, 2-3=-2582/1012, 3-4=-2581/1011, 4-5=-2641/1006
 BOT CHORD 1-7=-685/1908, 6-7=-685/1908, 6-8=-685/1908, 8-9=-685/1908, 5-9=-685/1908
 WEBS 3-6=-1253/3387

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 8 - 2 rows at 0-7-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-5-0 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 782 lb uplift at joint 1 and 1302 lb uplift at joint 5.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3419 lb down and 1291 lb up at 3-8-0, and 1554 lb down and 587 lb up at 5-8-0, and 103 lb down and 39 lb up at 1-7-9 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

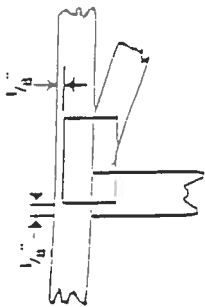
- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-5=-54, 1-5=-30
 Concentrated Loads (lb)
 Vert: 7=-103(F) 8=-3419(F) 9=-1554(F)

Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

PLATE SIZE

$L \times W$

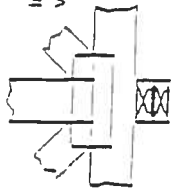
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



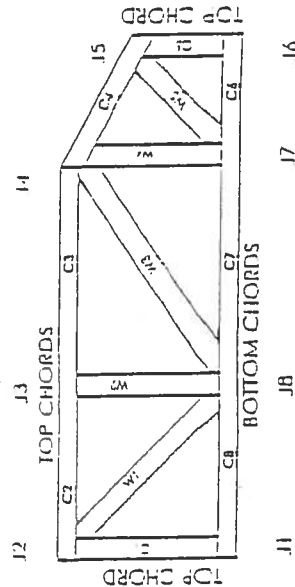
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SICC	9627, 9432A
WISC/DIHR	960022 W, 970036-11
IER	561



MITel Engineering Reference Sheet: MIT-7473

General Safety Notes

Failure to Follow Could Cause Properly Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length (1/8" from adjacent joint).
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 11' spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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