

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	JSX	SPECIAL	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:52:53 2012 Page 1
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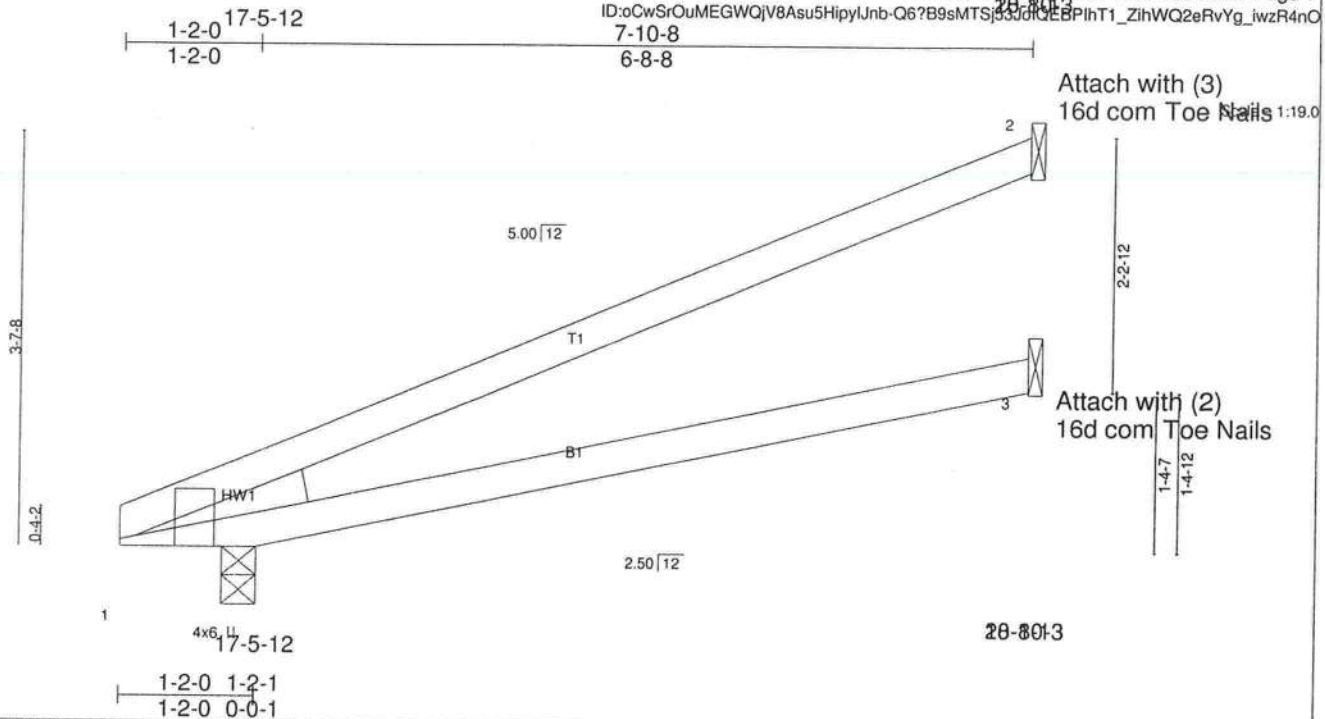


Plate Offsets (X,Y): [1:0-1-0,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 2-0-0	TC 0.43	Vert(LL)	0.14	3-5	>657	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.35	Vert(TL)	-0.22	3-5	>421	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	0.06	2	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix-M)							
								Weight: 27 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEDGE
Left: 2x4 SP 1500F 1.6E

BRACING

TOP CHORD
BOT CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.
Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=118/Mechanical, 3=77/Mechanical, 1=219/0-3-8 (min. 0-1-8)
Max Horz 1=115(LC 10)
Max Uplift 2=113(LC 10), 1=32(LC 10)
Max Grav 2=141(LC 2), 3=122(LC 3), 1=246(LC 2)

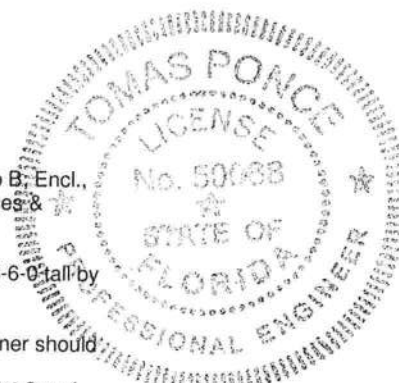
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-196/124
BOT CHORD 1-5=0/8, 1-1=-108/52, 1-3=-21/20

NOTES (7)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) V_{as}=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl., GC_{pi}=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) 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.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 2 and 32 lb uplift at joint 1.
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



[Signature]
APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	JX	MONO TRUSS	14	1	
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:52:54 2012 Page 1
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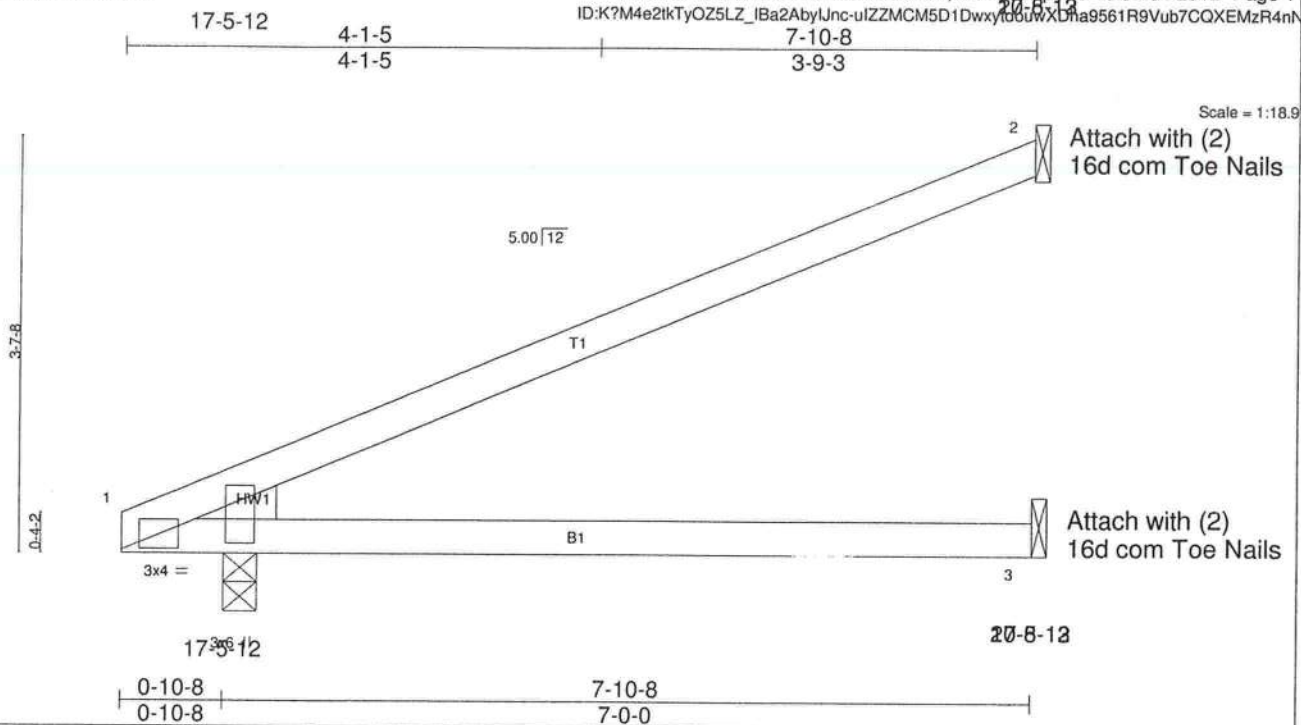


Plate Offsets (X,Y): [1:0-1-13,0-0-1], [1:0-0-11,0-10-11]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.44	Vert(LL)	0.14	3-8	>658	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.37	Vert(TL)	-0.24	3-8	>390	240		
BCLL 0.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.05	2	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)							
									Weight: 26 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEDGE
Left: 2x4 SP 1500F 1.6E

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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=120/Mechanical, 3=78/Mechanical, 1=255/0-3-8 (min. 0-1-8)

Max Horz 1=133(LC 10)
Max Uplift 2=-114(LC 10), 1=-66(LC 10)
Max Grav 2=143(LC 2), 3=125(LC 3), 1=290(LC 2)

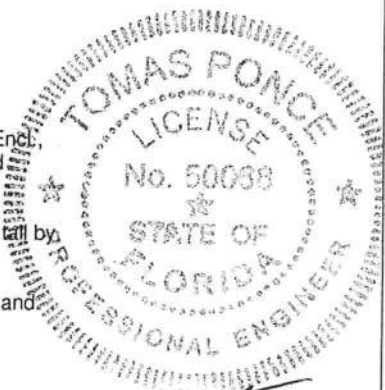
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-7=-2/13, 1-1=-163/92, 1-2=-76/66
BOT CHORD 1-8=-0/0, 1-4=-205/156, 1-3=0/0

NOTES (6)

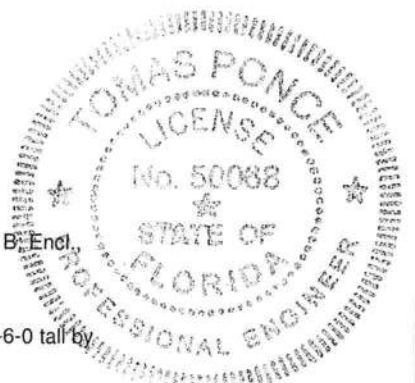
- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; End G; GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 114 lb uplift at joint 2 and 66 lb uplift at joint 1.
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 16 2012

7.340 s Mar 28 2012 MITek Industries, Inc. Fri Apr 13 16:52:58 2012 Page 1
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Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	MGRD1X	MONO TRUSS	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-38, 3-4=-20
Concentrated Loads (lb)
Vert: 7=-576(F) 8=-576(F) 9=-576(F)



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APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	MH1X	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:52:59 2012 Page 1
ID:kMQMjndhxUczhUDr5Kh?xOyGIRM-EGMSPwQE2ZrC1jmabSWiwwHy57e6e2KHT7lvazR4nl

8-0-8	5-10-0	11-8-0	16-3-7	21-6-8	8-0-8
	5-10-0	5-10-0	4-7-7	5-3-1	

Scale = 1:38.4

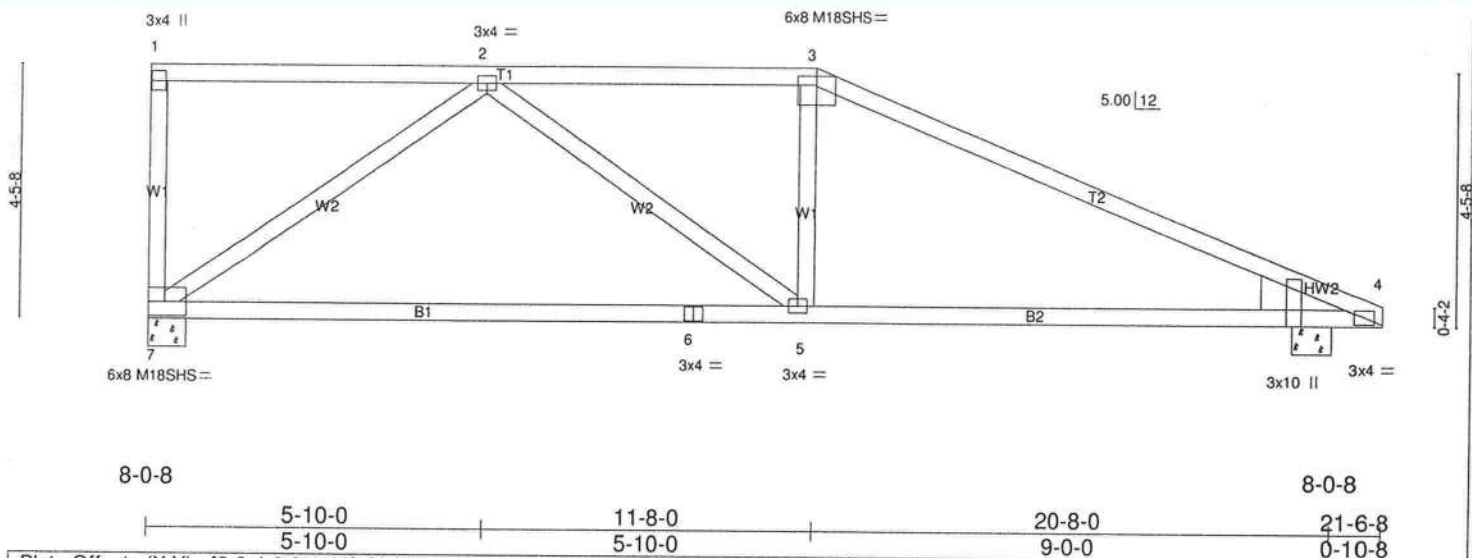


Plate Offsets (X,Y): [3:0-4-0,0-1-13], [4:0-1-13,0-0-1], [4:0-0-5,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.68	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.73	Vert(LL) -0.29 5-7 >380 360	M18SHS	244/190
BCLL 0.0 *	Lumber Increase 1.25	WB 0.45	Vert(TL) -0.72 5-7 >359 240		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)	Horz(TL) 0.02 4 n/a n/a		
	Code FRC2010/TPI2007			Weight: 102 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E
WEDGE
Right: 2x8 SYP No.2

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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

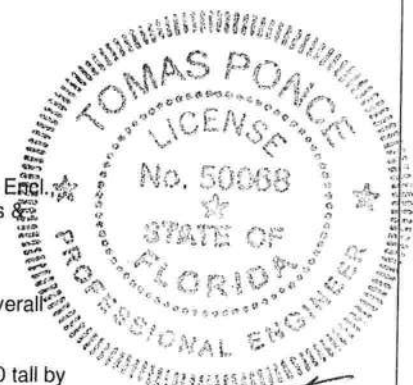
REACTIONS (lb/size) 7=594/0-8-0 (min. 0-1-8), 4=647/0-8-0 (min. 0-1-8)
Max Horz 7=-168(LC 11)
Max Uplift 7=-221(LC 6), 4=-184(LC 11)
Max Grav 7=676(LC 2), 4=736(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-151/112, 1-2=-108/0, 2-3=-1043/464, 3-4=-1151/434, 4-11=-3/12
BOT CHORD 6-7=-194/665, 5-6=-194/665, 4-5=-279/973, 4-12=-0/0
WEBS 2-7=-821/486, 2-5=-105/382, 3-5=0/210

NOTES (8)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 7 and 184 lb uplift at joint 4.
- 8) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



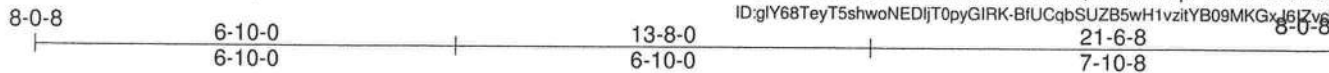
APR 15 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	MHGRD2X	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

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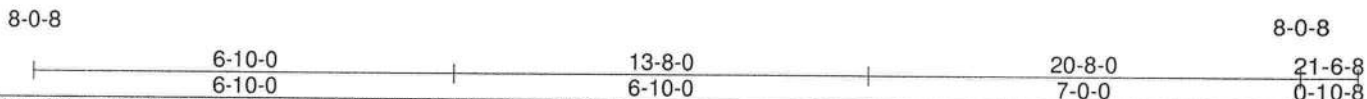
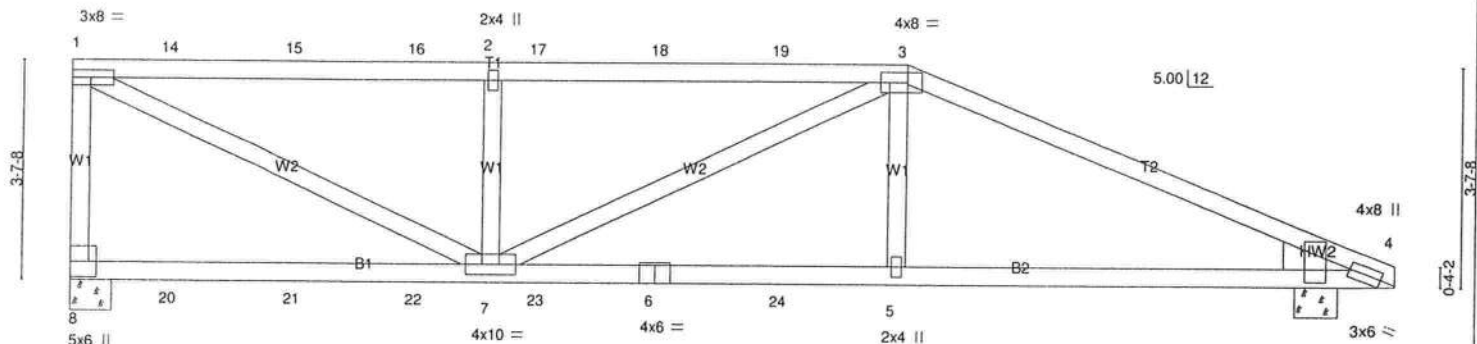


Plate Offsets (X,Y): [3:0-5-4,0-2-0], [4:0-2-14,0-1-8], [4:0-0-11,1-0-10]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.57	Vert(LL)	0.14	5-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.82	Vert(TL)	-0.36	5-7	>712	240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.43	Horz(TL)	0.05	4	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix-M)							
								Weight: 102 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E *Except*
T1: 2x4 SYP No.1D
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E
WEDGE
Right: 2x6 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-5-12 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 8=1180/0-8-0 (min. 0-1-9), 4=2042/0-8-0 (min. 0-2-12)
Max Horz 8=-134(LC 9)
Max Uplift 8=-437(LC 4), 4=-540(LC 9)
Max Grav 8=1344(LC 2), 4=2329(LC 3)

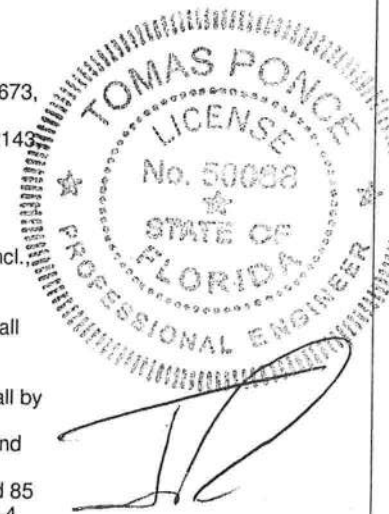
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-8=-1224/485, 1-14=-2067/673, 14-15=-2067/673, 15-16=-2067/673, 2-16=-2067/673, 2-17=-2067/673, 17-18=-2067/673, 18-19=-2067/673, 3-19=-2067/673, 3-4=-2366/723, 4-12=-3/12
BOT CHORD 8-20=0/112, 20-21=0/112, 21-22=0/112, 7-22=0/112, 7-23=-597/2143, 6-23=-597/2143, 6-24=-597/2143, 5-24=-597/2143, 4-5=-596/2120, 4-13=0/0
WEBS 1-7=-714/2184, 2-7=-647/447, 3-7=-85/117, 3-5=-23/636

NOTES (9)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) $V_{asd}=124$ mph; $TCDL=4.2$ psf; $BCDL=5.0$ psf; $h=25$ ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope); cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 437 lb uplift at joint 8 and 540 lb uplift at joint 4.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb down and 85 lb up at 1-7-4, 82 lb down and 85 lb up at 3-7-4, 82 lb down and 85 lb up at 5-7-4, 82 lb down and 85 lb up at 7-7-4, 82 lb down and 85 lb up at 9-7-4, and 82 lb down and 85 lb up at 11-7-4, and 82 lb down and 85 lb up at 13-8-0 on top chord, and 70 lb down at 1-7-4, 70 lb down at 3-7-4, 70 lb down at 5-7-4, 70 lb down at 7-7-4, 70 lb down at 9-7-4, 70 lb down at 11-7-4, and 406 lb down and 137 lb up at 13-7-4, and 1046 lb down and 167 lb up at 20-10-10 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2



APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	MHGRD2X	SPECIAL	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:02 2012 Page 2
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NOTES (9)

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

9) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-38, 3-4=-38, 8-9=-20

Concentrated Loads (lb)

Vert: 3=-68(F) 6=-38(F) 5=-357(F) 11=-917 14=-68(F) 15=-68(F) 16=-68(F) 17=-68(F) 18=-68(F) 19=-68(F) 20=-38(F) 21=-38(F) 22=-38(F)
23=-38(F) 24=-38(F)



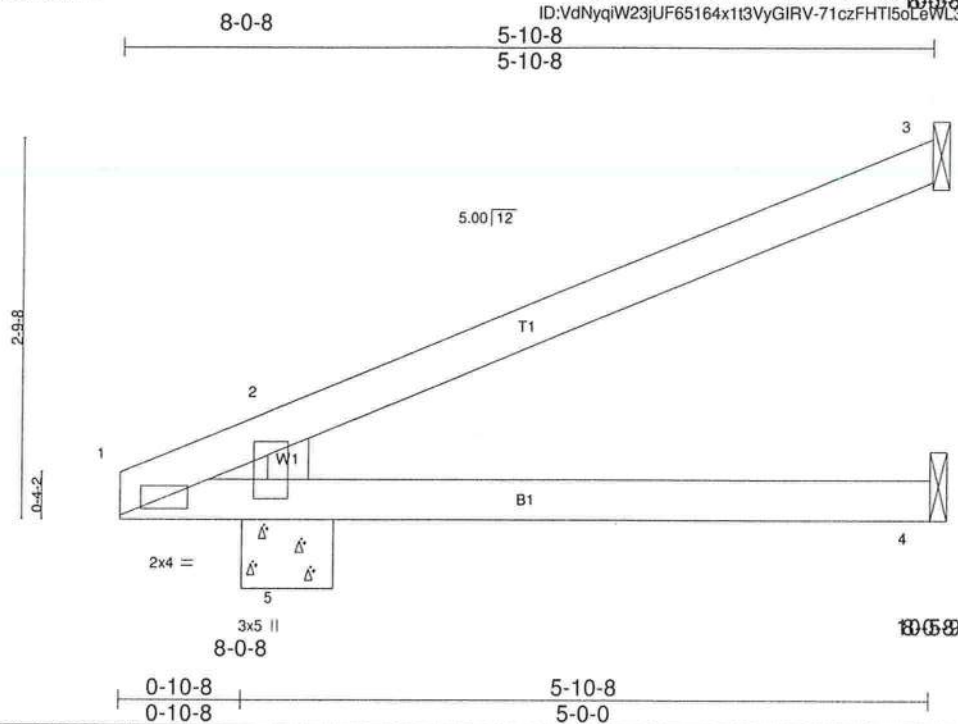
A handwritten signature in black ink, appearing to be "T. Ponce", written over the seal area.

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BA/BURY_FL_A_FBC_10_NEW_CODE
BAYBURY	P1X	SPECIAL	13	1	

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:03 2012 Page 1
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Scale: 3/4"=1'

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.17	Vert(LL)	-0.01	4-5	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.13	Vert(TL)	-0.04	4-5	>999	240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.04	Horz(TL)	0.01	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)							
	Code FRC2010/TPI2007								
								Weight: 19 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SYP 1500F 1.6E
BOT CHORD 2x4 SYP 1500F 1.6E
WEBS 2x4 SYP 1500F 1.6E

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-10-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 3=73/Mechanical, 4=41/Mechanical, 5=223/0-8-0 (min. 0-1-8)
Max Horz 5=99(LC 10)
Max Uplift 3=75(LC 10), 5=67(LC 10)
Max Grav 3=88(LC 2), 4=77(LC 3), 5=254(LC 2)

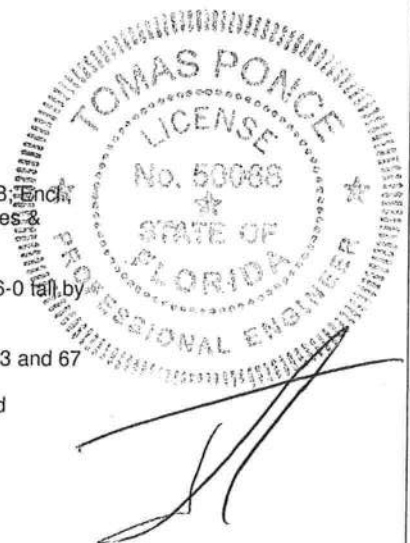
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-212/174, 2-3=-55/42
BOT CHORD 1-5=-224/277, 4-5=0/0
WEBS 2-5=-347/307

NOTES (6)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) $V_{asd}=124$ mph; $TCDL=4.2$ psf; $BCDL=5.0$ psf; $h=25$ ft; Cat. II; Exp B; End G; $G_{Cpi}=0.18$; MWFRS (envelope) and C-C Interior(1) zone; cantilever right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 3 and 67 lb uplift at joint 5.
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



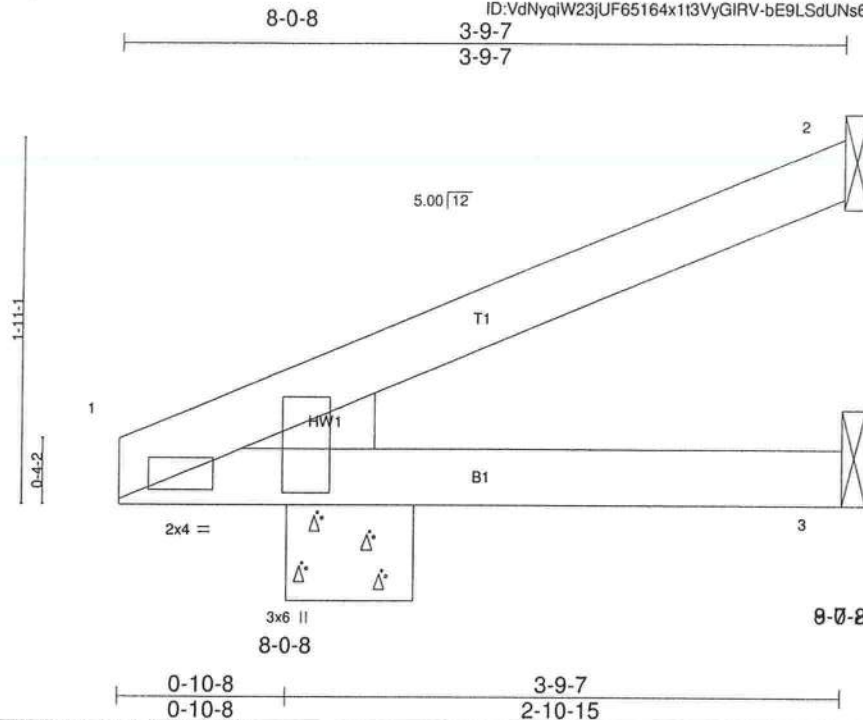
APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	P2X	JACK	4	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:04 2012 Page 1

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Scale = 1:11.4

Plate Offsets (X,Y): [1:0-1-13,0-0-9], [1:0-0-7,0-10-3]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.07	Vert(LL)	-0.00	3-7	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	-0.00	3-7	>999	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)						Weight: 13 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEDGE
Left: 2x4 SP 1500F 1.6E

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 2=41/Mechanical, 3=17/Mechanical, 1=158/0-8-0 (min. 0-1-8)
Max Horz 1=63(LC 10)
Max Uplift 2=-46(LC 10), 1=-46(LC 10)
Max Grav 2=50(LC 2), 3=39(LC 3), 1=180(LC 2)

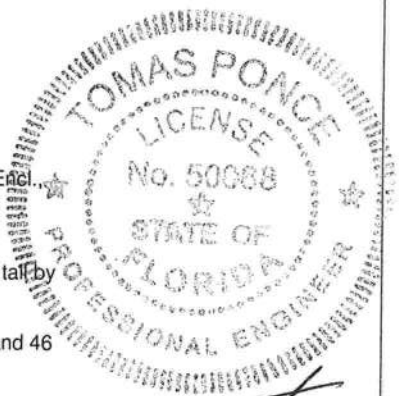
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-35/41
BOT CHORD 1-7=-38/7, 1-4=-49/78, 1-3=0/0

NOTES (6)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 46 lb uplift at joint 2 and 46 lb uplift at joint 1.
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



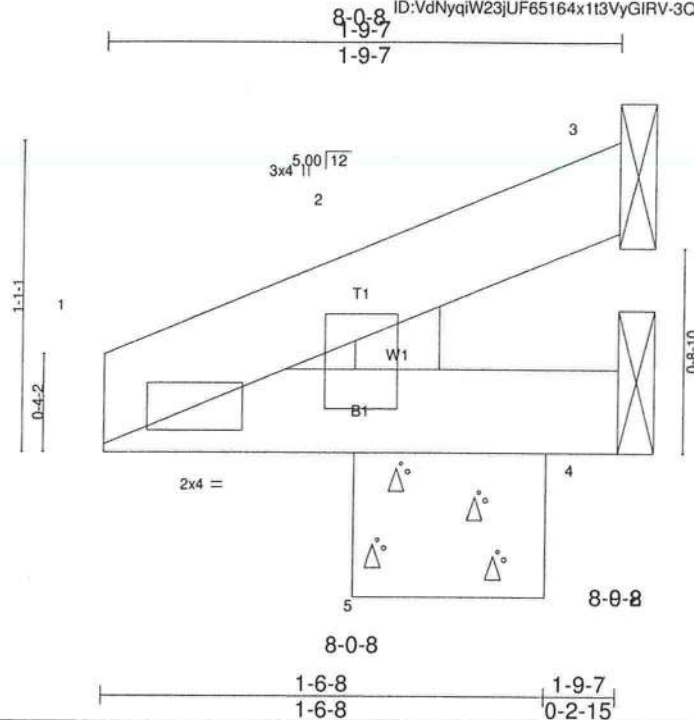
[Handwritten Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	P3X	JACK	4	1	

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:05 2012 Page 1
ID: VdNyqiW23jUF65164x113VyGIRV-3QjigzV?dPbMmeDkxic7A?X7xYsTDTTcfPac7DzR4nC



Scale = 1:7.6

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.02	Vert(LL)	0.00	5	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.02	Vert(TL)	0.00	5	>999	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.01	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix-M)							
								Weight: 6 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SYP No.1D

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-9-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 4=-8/Mechanical, 5=110/0-8-0 (min. 0-1-8), 3=1/Mechanical
Max Horz 5=30(LC 10)
Max Uplift 4=-10(LC 2), 5=-55(LC 6), 3=-13(LC 10)
Max Grav 4=10(LC 6), 5=125(LC 2), 3=3(LC 18)

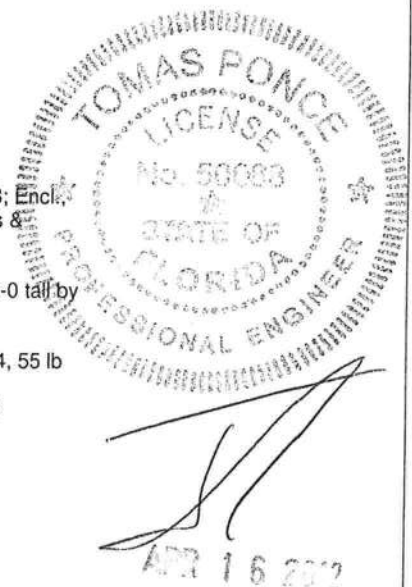
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-49/42, 2-3=-13/2
BOT CHORD 1-5=-43/58, 4-5=0/0
WEBS 2-5=-80/85

NOTES (6)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 10 lb uplift at joint 4, 55 lb uplift at joint 5 and 13 lb uplift at joint 3.
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	PJGRDX	MONO TRUSS	1	1	

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:06 2012 Page 1

ID:Og8uEumD6A7G7K89osvpQwyGIRA-XcH5tJWdOjDNoowVQ8MjD3Gky9Fyw7Mu3KAfgzR4nB

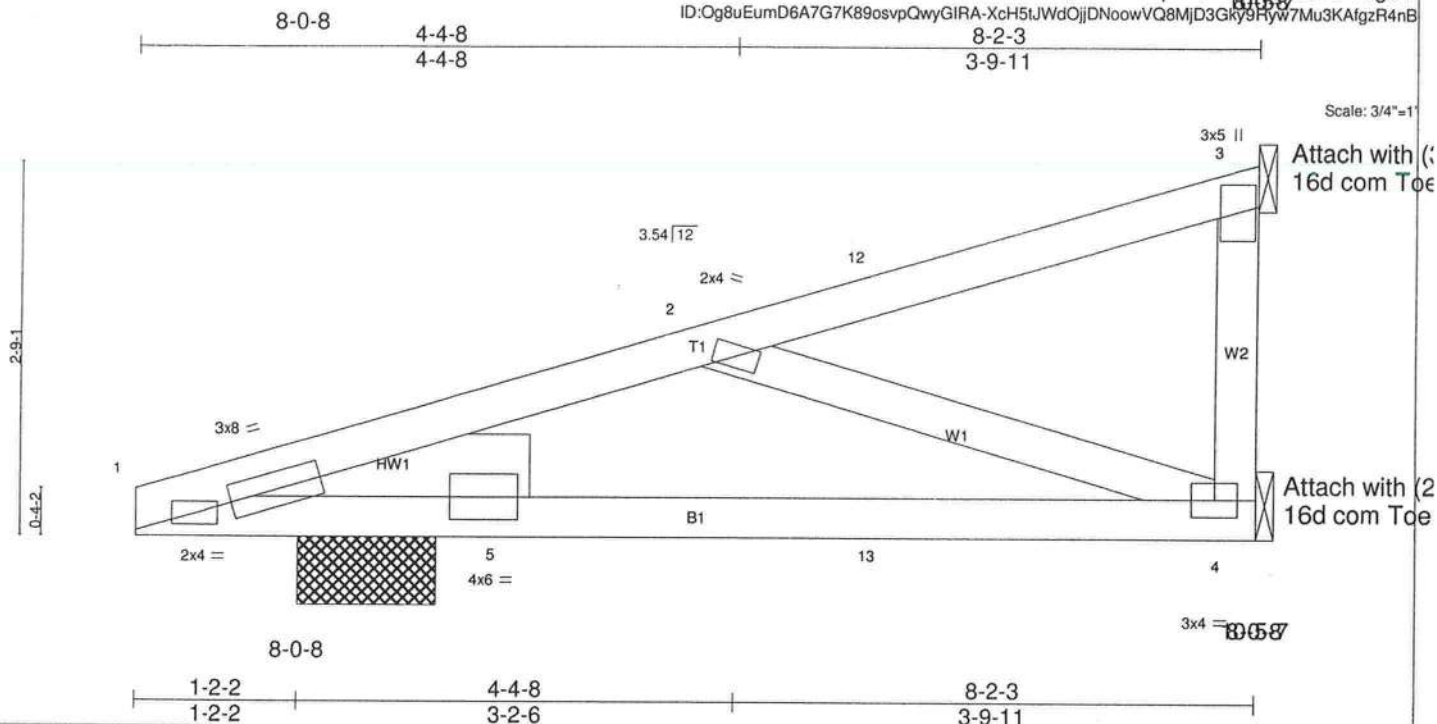


Plate Offsets (X,Y): [1:0-2-0,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.14	Vert(LL)	0.04	4-10	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.23	Vert(TL)	-0.06	4-10	>999	240		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.05	Horz(TL)	-0.00	4	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)							
									Weight: 39 lb	FT = 0%

LUMBER
TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E
SLIDER Left 2x6 SYP No.2 2-0-3

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

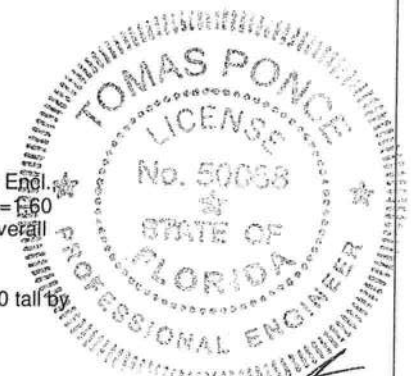
REACTIONS (lb/size) 1=176/1-0-1 (min. 0-1-8), 4=105/Mechanical, 3=67/Mechanical
Max Horz 1=96(LC 4)
Max Uplift 1=193(LC 4), 4=128(LC 4), 3=69(LC 8)
Max Grav 1=202(LC 2), 4=148(LC 3), 3=82(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-9=-2/31, 1-1=-247/219, 1-2=-260/220, 2-12=-30/9, 3-12=-24/18, 3-4=0/0
BOT CHORD 1-10=-21/1, 1-6=-198/16, 1-5=-198/16, 5-13=-277/239, 4-13=-277/239
WEBS 2-4=-251/291

NOTES (11)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope); cantilever left exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide metal plate or equivalent at bearing(s) 3 to support reaction shown.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 1, 128 lb uplift at joint 4 and 69 lb uplift at joint 3.
- 8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 44 lb up at 2-7-6, 11 lb down and 44 lb up at 2-7-6, and 4 lb down and 41 lb up at 5-5-5, and 4 lb down and 41 lb up at 5-5-5 on top chord, and 9 lb down and 27 lb up at 2-7-6, 9 lb down and 27 lb up at 2-7-6, and 11 lb up at 5-5-5, and 11 lb up at 5-5-5 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 11) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R502.10.2 and referenced standard ANSI/TPI 1.

Continued on page 2



[Signature]

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Job	Truss	Truss Type	Qty	Ply	BAYBURY_FLA_FBC_10_NEW_CODE
BAYBURY	PJGRDX	MONO TRUSS	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:06 2012 Page 2
ID:Og8uEumD6A7G7K89osvpQwyGIRA-XcH5tJWdOijDNoowVQ8MjD3Gky9Ryw7Mu3KAfgzR4nB

LOAD CASE(S) Standard

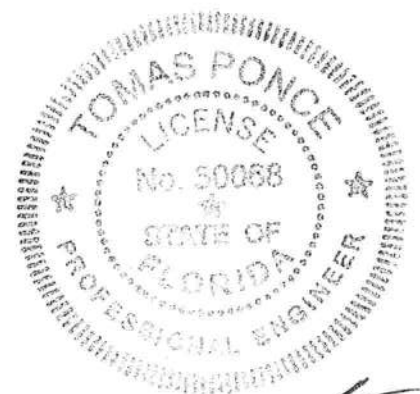
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-3=-38, 4-6=-20

Concentrated Loads (lb)

Vert: 9=74(F=37, B=37) 10=45(F=22, B=22) 12=-6(F=-3, B=-3) 13=6(F=3, B=3)



A handwritten signature in black ink, appearing to be "TP" or similar, written over the seal.

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	PMGRD1X	MONO HIP	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:09 2012 Page 2
ID:VdNyqiW23jUF65164x1t3VyGIRV-yBzEVKYWhe6nEGXVAYh3Krhcl90_99Xoa1YqG_zR4n8

NOTES (9)

- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 150 lb down and 87 lb up at -37-5-0, 222 lb down and 34 lb up at -37-5-12, 222 lb down and 34 lb up at -39-5-12, 222 lb down and 34 lb up at -41-5-12, 222 lb down and 34 lb up at -43-5-12, 222 lb down and 34 lb up at -45-5-12, 222 lb down and 34 lb up at -47-5-12, 222 lb down and 34 lb up at -49-5-12, 222 lb down and 34 lb up at -51-5-12, 222 lb down and 34 lb up at -53-5-12, 222 lb down and 34 lb up at -55-5-12, 222 lb down and 34 lb up at -57-5-12, 222 lb down and 34 lb up at -59-5-12, 222 lb down and 34 lb up at -61-5-12, 222 lb down and 34 lb up at -63-0-4, 110 lb down and 92 lb up at 5-10-8, 243 lb down and 44 lb up at 5-11-4, 243 lb down and 44 lb up at 7-11-4, 243 lb down and 44 lb up at 9-11-4, 243 lb down and 44 lb up at 11-11-4, 243 lb down and 44 lb up at 13-11-4, 243 lb down and 44 lb up at 15-11-4, 243 lb down and 44 lb up at 17-11-4, 243 lb down and 44 lb up at 19-11-4, 243 lb down and 44 lb up at 21-11-4, 243 lb down and 44 lb up at 23-11-4, 243 lb down and 44 lb up at 25-11-4, 243 lb down and 44 lb up at 27-11-4, and 243 lb down and 44 lb up at 29-11-4, and 243 lb down and 44 lb up at 31-6-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 9) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 6-8=-19, 1-6=-19, 8-16=-10



[Handwritten Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	PMH1X	MONO HIP	1	1	

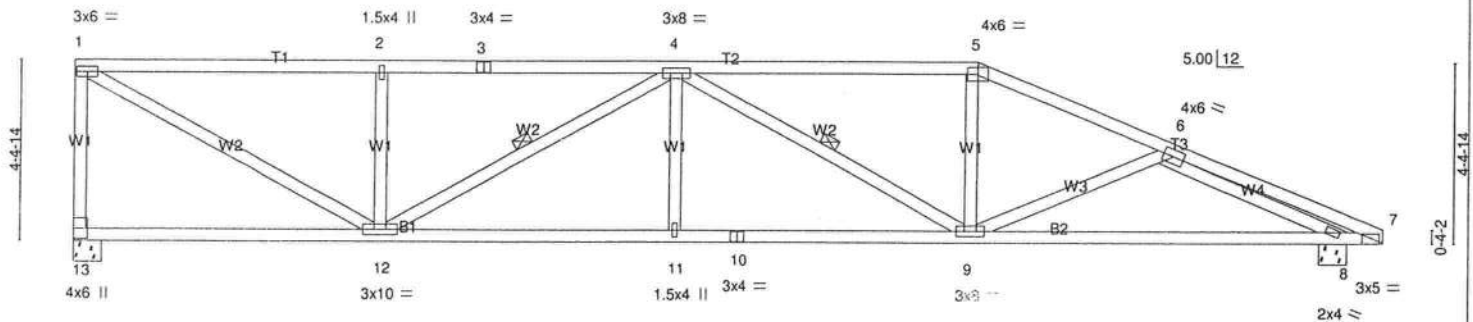
Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:11 2012 Page 1
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8-0-8	7-3-12	14-5-12	21-9-8	26-4-3	31-6-8	8-0-8
	7-3-12	7-2-0	7-3-12	4-6-11	5-2-5	

Scale = 1:52.9



8-0-8

8-0-8

7-3-12	14-5-12	21-9-8	30-8-0	31-6-8
7-3-12	7-2-0	7-3-12	8-10-8	0-10-8

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

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.30	Vert(LL)	0.15 9-11	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.61	Vert(TL)	-0.32 8-9	>999	240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.57	Horz(TL)	-0.08 13	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)						
	Code FRC2010/TPI2007						Weight: 168 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SYP 1500F 1.6E
BOT CHORD 2x4 SYP 1500F 1.6E
WEBS 2x4 SYP 1500F 1.6E

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-6-6 oc bracing.
WEBS 1 Row at midpt 4-9, 4-12

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 13=882/0-8-0 (min. 0-1-8), 8=939/0-8-0 (min. 0-1-8)

Max Horz 8=-166(LC 11)
Max Uplift 13=-336(LC 6), 8=-284(LC 7)
Max Grav 13=1004(LC 2), 8=1068(LC 2)

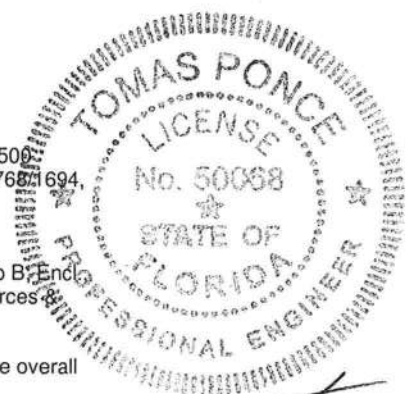
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 5-6=-1911/816, 6-7=-563/95, 1-2=-1533/695, 2-3=-1533/695, 3-4=-1533/695, 4-5=-1773/801, 1-13=-1020/523
BOT CHORD 12-13=-29/63, 11-12=-962/2102, 10-11=-962/2102, 9-10=-962/2102, 8-9=-911/1848, 7-8=-35/506, 6-9=-97/172, 5-9=-55/449, 4-9=-378/185, 4-11=0/271, 4-12=-656/307, 2-12=-376/313, 1-12=-768/1694, 6-8=-1485/792

NOTES (7)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; End GCPi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever right exposed ;C-C for members and forces MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 336 lb uplift at joint 13 and 284 lb uplift at joint 8.
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 16 2012

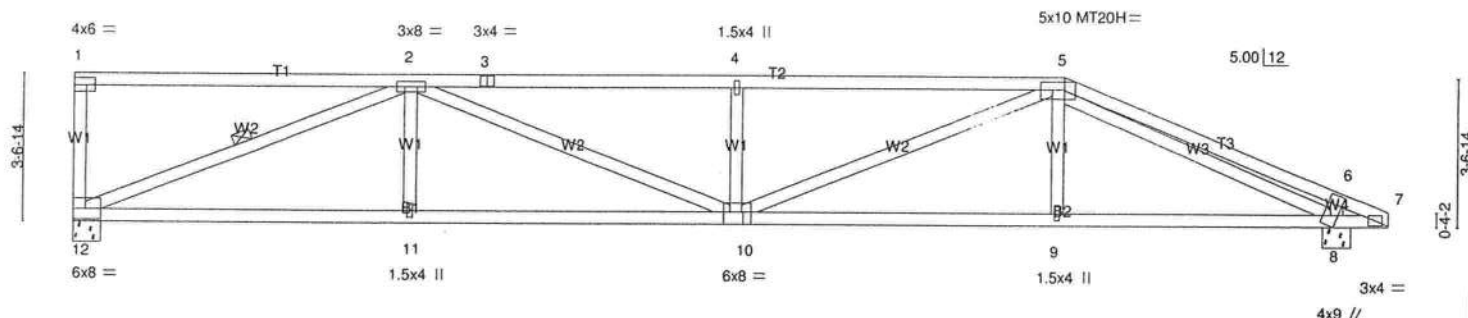
Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	PMH2X	MONO HIP	1	1	

Maronda Homes Inc., Sanford, FL

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8-0-8	7-11-12	15-9-12	23-9-8	31-6-8	8-0-8
	7-11-12	7-10-0	7-11-12	7-9-0	

Scale = 1:52.8



8-0-8	7-11-12	15-9-12	23-9-8	30-8-0	31-6-8	8-0-8
	7-11-12	7-10-0	7-11-12	6-10-8	0-10-8	

Plate Offsets (X,Y): [5:0-7-0,0-2-4], [8:0-6-1,0-2-0], [10:0-2-4,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 2-0-0	TC 0.40	Vert(LL)	0.21 10-11	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.54	Vert(TL)	-0.40 10-11	>901	240	MT20H	187/143
BCLL 0.0	Rep Stress Incr YES	WB 0.87	Horz(TL)	-0.09 12	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix-M)						
							Weight: 160 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SYP 1500F 1.6E
BOT CHORD 2x4 SYP 1500F 1.6E
WEBS 2x4 SYP 1500F 1.6E

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 12=874/0-8-0 (min. 0-1-8), 8=947/0-8-0 (min. 0-1-8)

Max Horz 8=-132(LC 11)
Max Uplift 12=-335(LC 6), 8=-316(LC 7)
Max Grav 12=994(LC 2), 8=1078(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 5-6=-523/208, 6-7=-359/94, 1-2=-102/47, 2-3=-2602/1184, 3-4=-2602/1184, 4-5=-2578/1164, 1-12=-196/156
BOT CHORD 11-12=-910/2015, 10-11=-910/2015, 9-10=-817/1796, 8-9=-820/1790, 7-8=-108/408
WEBS 5-9=0/282, 5-10=-377/879, 4-10=-409/335, 2-10=-295/634, 2-11=0/324, 2-12=-2074/936, 5-8=-1485/641, 6-8=-447/402

NOTES (9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 160mph (3-second gust) $V_{asd}=124\text{mph}$; $TCDL=4.2\text{psf}$; $BCDL=5.0\text{psf}$; $h=25\text{ft}$; Cat. II; Exp B; Encl., $GC_{pi}=0.18$; MWFRS (envelope) and C-C Interior(1) zone; cantilever right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- WARNING: Top chord live load is below minimum required by FRC. The building design professional for the overall structure to verify adequacy of top chord live load.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 335 lb uplift at joint 12 and 316 lb uplift at joint 8.
- This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

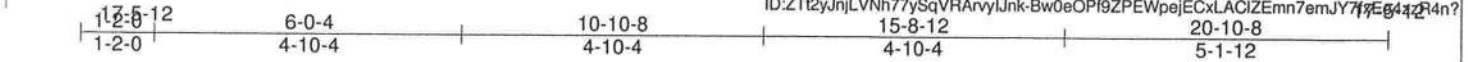


[Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	S1AX	SPECIAL	2	1	
Maronda Homes Inc., Sanford, FL					
Job Reference (optional)					

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:18 2012 Page 1
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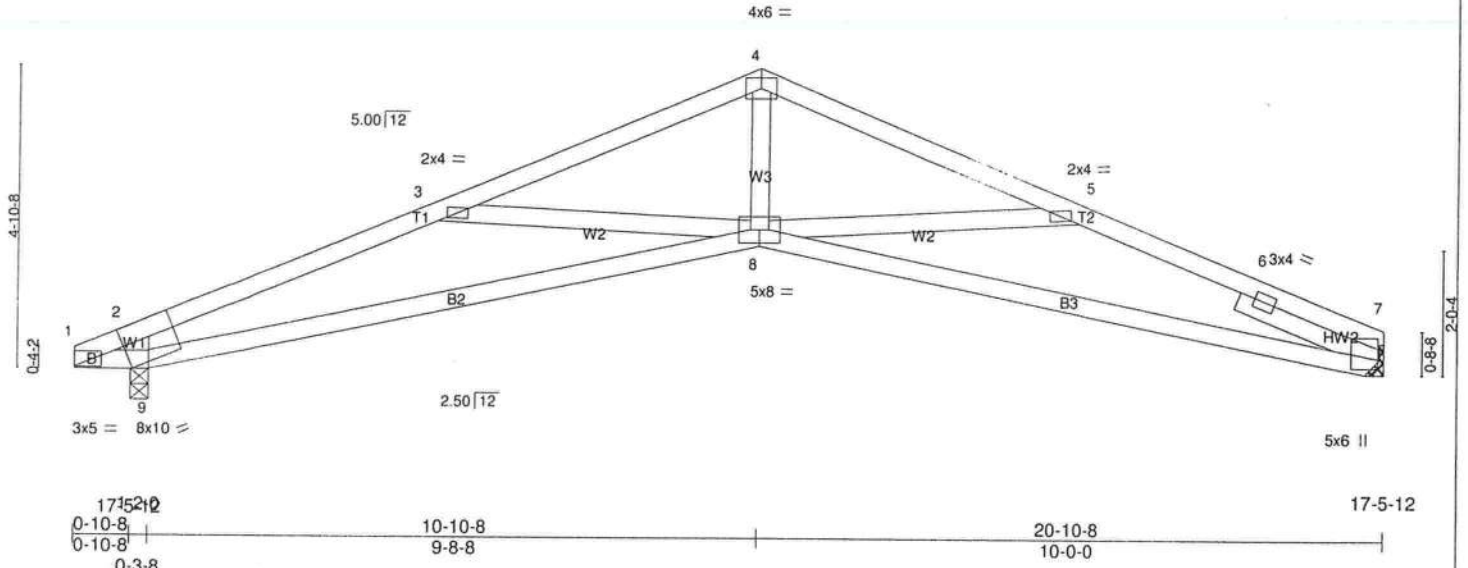


Plate Offsets (X,Y): [1:0-0-1, 0-0-1], [7:0-2-9, Edge], [9:0-4-3, Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.52	Vert(LL)	0.20	8-15	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.72	Vert(TL)	-0.39	8-15	>614	240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.15	Horz(TL)	0.17	7	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix-M)						Weight: 88 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E *Except*
W1: 2x6 SYP No.2
SLIDER Right 2x4 SP 1500F 1.6E 2-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 9=629/0-3-8 (min. 0-1-8), 7=582/Mechanical
Max Horz 9=77(LC 10)
Max Uplift 9=194(LC 10), 7=181(LC 11)
Max Grav 9=715(LC 2), 7=663(LC 2)

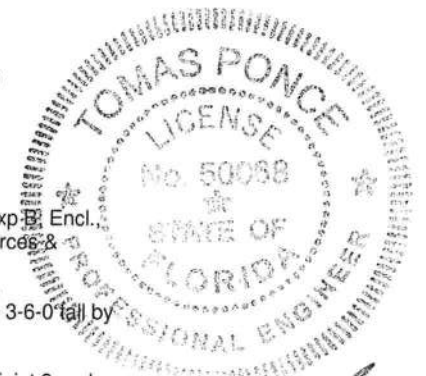
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2105/883, 2-3=-2036/832, 3-4=-1717/588, 4-5=-1720/589, 5-6=-1997/804, 6-7=-852/23
BOT CHORD 1-9=-1004/2112, 8-9=-717/1847, 7-8=-684/1833
WEBS 2-9=-691/690, 3-8=-275/301, 4-8=-205/932, 5-8=-275/277

NOTES (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp. B Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 9 and 181 lb uplift at joint 7.
- This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



[Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	S1BX	SPECIAL	2	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:21 2012 Page 1
ID: Vr_pN?pz6dPNO6qywTewKylJni-bVhm1Rh1sKc5g6Rpt3vtpNBk0?8DzglZ1qS5g124my

17-5-12	6-0-4	10-10-8	15-8-12	20-10-8
1-2-0	4-10-4	4-10-4	4-10-4	5-1-12

Scale = 1:35.0

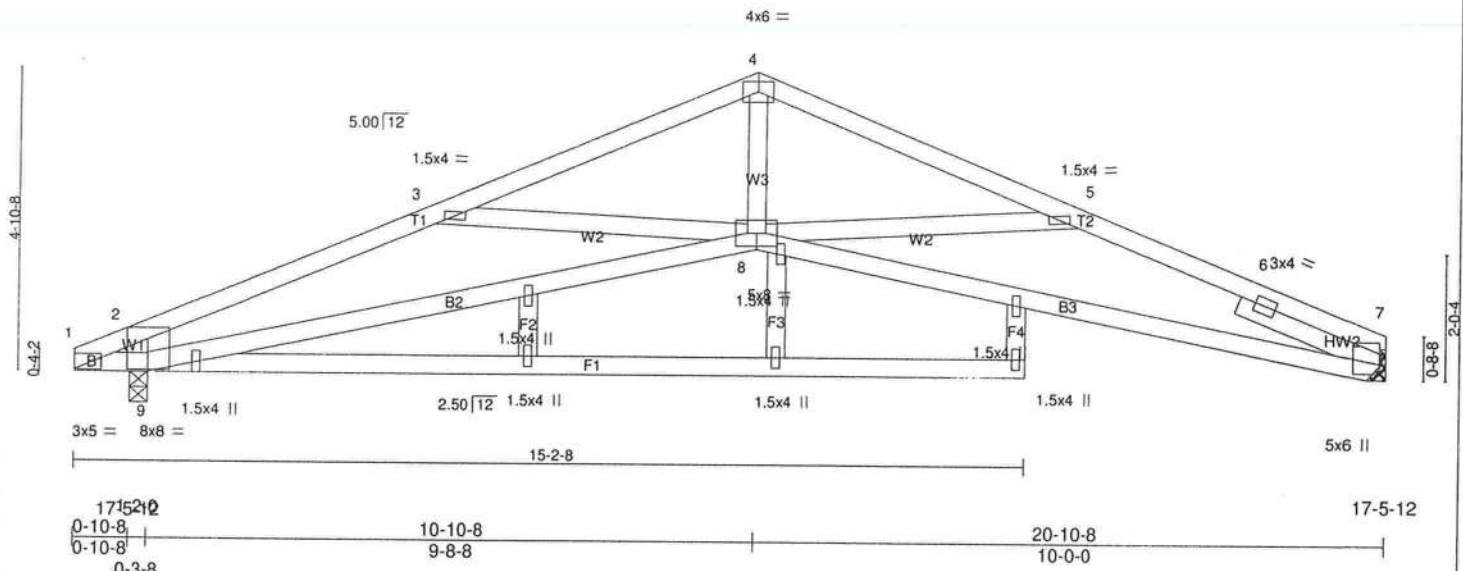


Plate Offsets (X,Y): [1:0-0-1,0-0-1], [7:0-2-9,Edge], [8:0-2-0,0-0-0], [9:0-3-15,0-3-3]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.52	Vert(LL)	0.20 8-21	>999	360	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.79	Vert(TL)	-0.39 8-21	>614	240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.15	Horz(TL)	0.17 7	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix-M)						
	Code FRC2010/TPI2007							
							Weight: 114 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SYP 1500F 1.6E
BOT CHORD 2x4 SYP 1500F 1.6E
WEBS 2x4 SYP 1500F 1.6E *Except*
W1: 2x6 SYP No.2
SLIDER Right 2x4 SYP 1500F 1.6E 2-6-0

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing. Except: 8-7-0 oc bracing: 8-9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS

(lb/size) 9=629/0-3-8 (min. 0-1-8), 7=582/Mechanical
Max Horz 9=77(LC 10)
Max Uplift 9=-194(LC 10), 7=-181(LC 11)
Max Grav 9=715(LC 2), 7=663(LC 2)

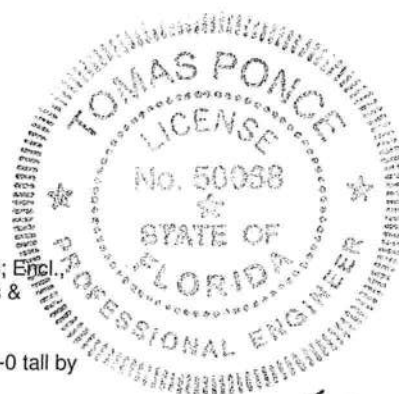
FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2105/883, 2-3=-2036/832, 3-4=-1717/588, 4-5=-1720/589, 5-6=-1997/804, 6-7=-852/23
BOT CHORD 1-9=-1004/2112, 8-9=-717/1847, 7-8=-684/1833
WEBS 2-9=-691/690, 3-8=-275/301, 4-8=-205/932, 5-8=-275/277

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 9 and 181 lb uplift at joint 7.
- This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



[Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	S1X	SPECIAL	2	1	

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:23 2012 Page 1
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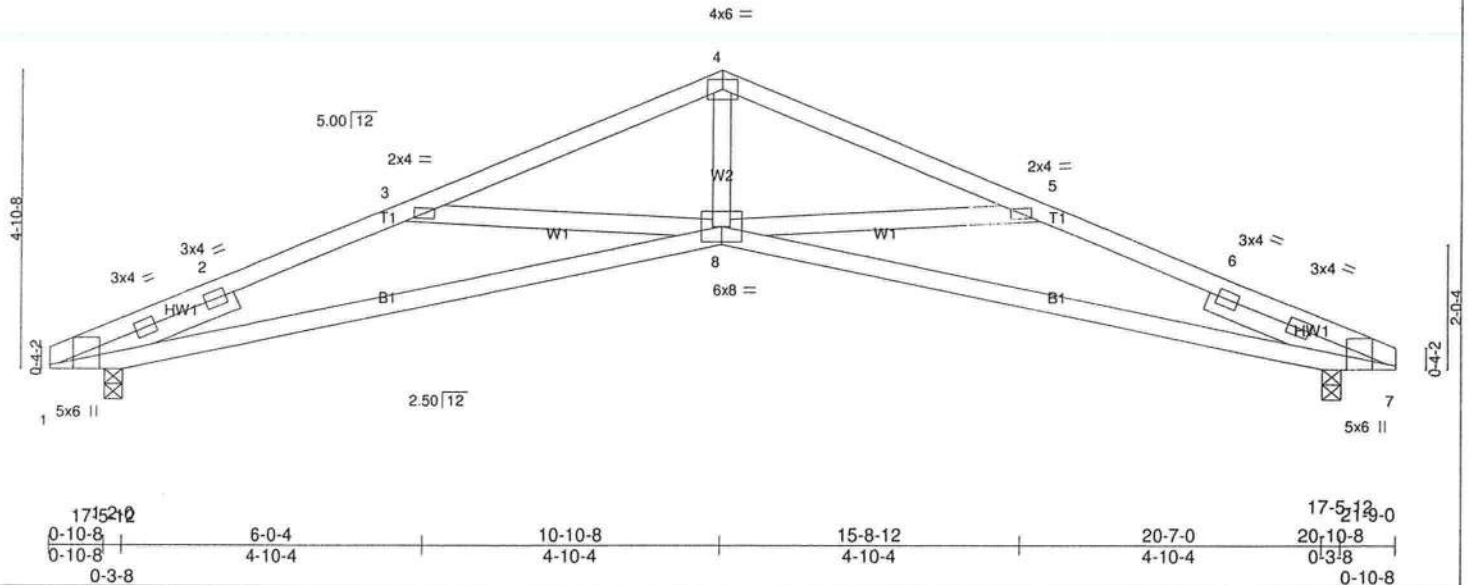


Plate Offsets (X,Y): [1:0-1-0,Edge], [7:0-1-0,Edge]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.34	Vert(LL)	0.15	8	>999	360	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.60	Vert(TL)	-0.35	8-15	>748	240		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.14	Horz(TL)	0.16	7	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix-M)						Weight: 96 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E
SLIDER Left 2x4 SYP No.1D 3-0-9, Right 2x4 SYP No.1D 3-0-9

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-9 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=592/0-3-8 (min. 0-1-8), 7=592/0-3-8 (min. 0-1-8)
Max Horz 1=62(LC 10)
Max Uplift 1=165(LC 10), 7=165(LC 11)
Max Grav 1=671(LC 2), 7=671(LC 2)

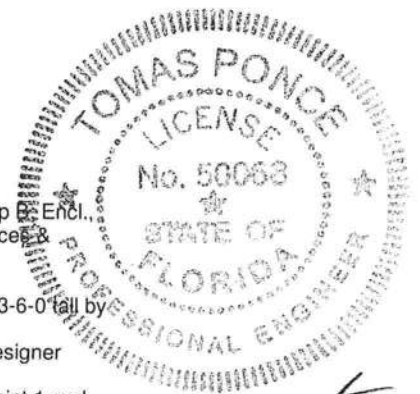
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-630/0, 2-3=-1900/768, 3-4=-1673/572, 4-5=-1673/572, 5-6=-1900/768, 6-7=-630/0
BOT CHORD 1-10=0/8, 1-1=-624/1764, 1-8=-652/1733, 7-8=-652/1764, 7-15=0/8
WEBS 4-8=-189/893, 5-8=-229/267, 3-8=-229/254

NOTES (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B Encl., GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed ;C-C for members and forces
MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0" tall by 1-0-0" wide will fit between the bottom chord and any other members.
- 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 165 lb uplift at joint 1 and 165 lb uplift at joint 7.
- This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



[Signature]
APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V1X	VALLEY	1	1	Job Reference (optional)
Maronda Homes Inc., Sanford, FL					

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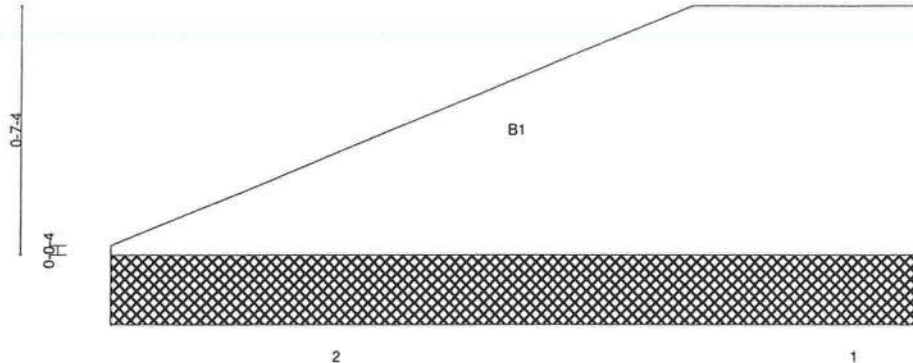
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19-10-13

2-0-0

2-0-0

Scale = 1:5.3



19-10-13

2-0-0

2-0-0

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	0.90	TC 0.00	Vert(LL)	n/a	-	n/a	999		
TCDL 7.0	Plt. Metal Increase	0.90	BC 0.00	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber Increase	0.90	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 10.0	Rep Stress Incr	YES	(Matrix)						Weight: 6 lb	FT = 0%
	Code FRC2010/TPI2007									

LUMBER

BOT CHORD 2x8 SYP No.2

BRACING

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

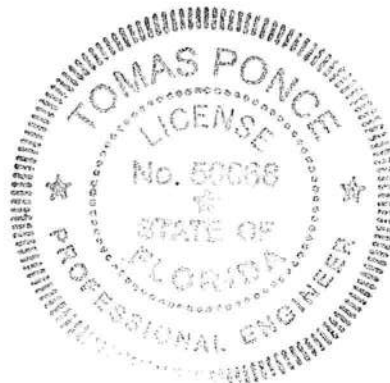
REACTIONS (lb/size) 2=12/1-11-6 (min. 0-1-8), 1=12/1-11-6 (min. 0-1-8)
Max Grav 2=25(LC 3), 1=25(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
BOT CHORD 1-2=0/0

NOTES (4)

- 1) Gable requires continuous bottom chord bearing.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



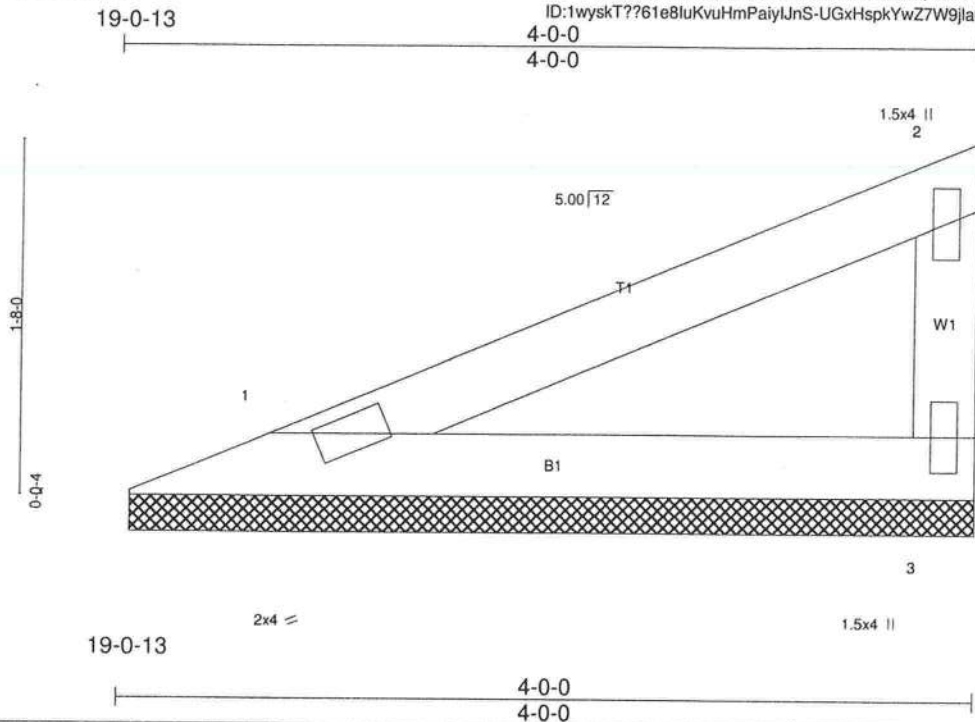
APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V2X	VALLEY	1	1	

Maronda Homes Inc., Sanford, FL

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Scale = 1:10.2

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.11	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.08	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)							
	Code FRC2010/TPI2007							Weight: 13 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=91/3-11-6 (min. 0-1-8), 3=91/3-11-6 (min. 0-1-8)
Max Horz 1=53(LC 10)
Max Uplift 1=24(LC 10), 3=46(LC 10)
Max Grav 1=103(LC 2), 3=103(LC 2)

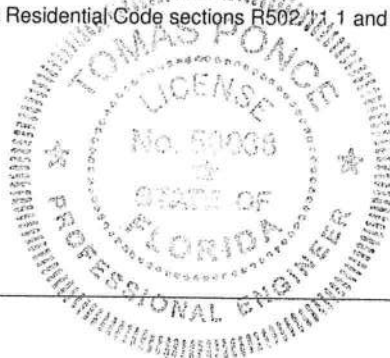
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-40/35, 2-3=-103/80
BOT CHORD 1-3=0/0

NOTES (6)

- 1) Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1 and 46 lb uplift at joint 3.
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

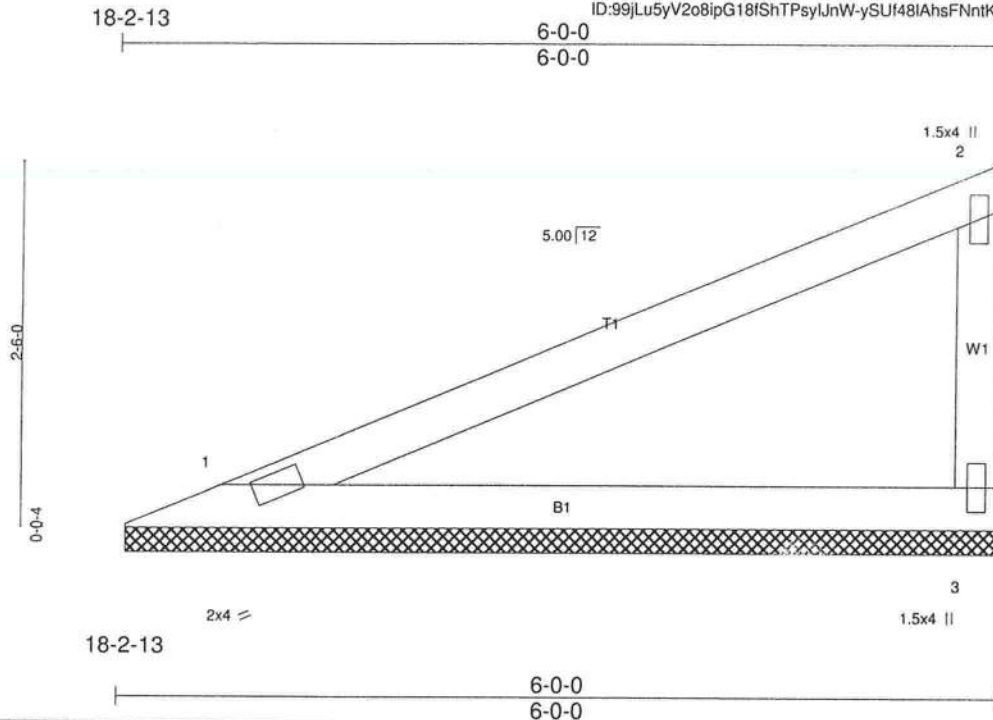


Signature
APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V3X	VALLEY	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:26 2012 Page 1
ID:99JLu5yV2o8ipG18fShTPsyJnW-ySUf48IAhsFNntKmgdV2WRufC0_?ezplUAAELVzR4mt



Scale = 1:14.9

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.30	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	0.00		n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix)					Weight: 20 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
WEBS 2x4 SP 1500F 1.6E

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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=149/5-11-6 (min. 0-1-8), 3=149/5-11-6 (min. 0-1-8)
Max Horz 1=87(LC 10)
Max Uplift 1=-39(LC 10), 3=-75(LC 10)
Max Grav 1=169(LC 2), 3=169(LC 2)

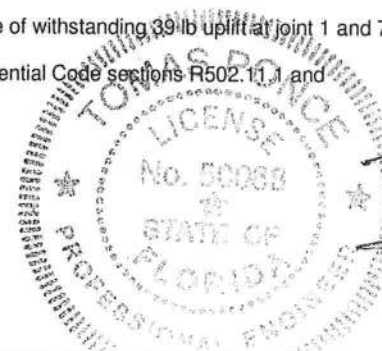
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-65/57, 2-3=-168/130
BOT CHORD 1-3=0/0

NOTES (6)

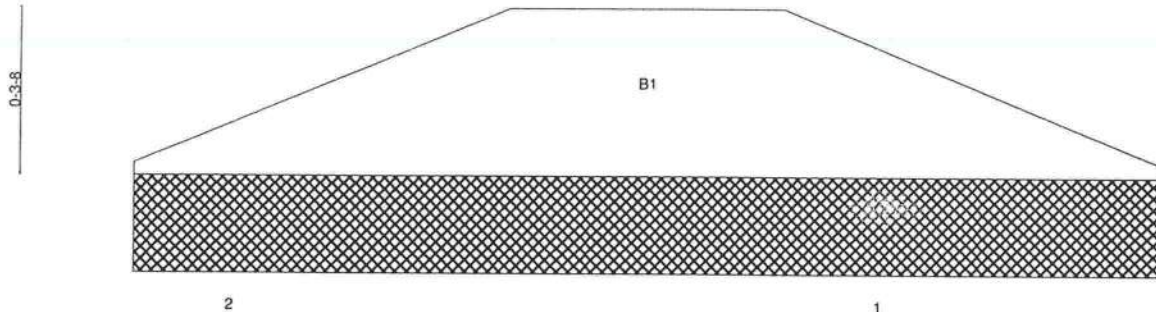
- 1) Wind: ASCE 7-10; 160mph (3-second gust) $V_{sd}=124$ mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Gable requires continuous bottom chord bearing.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1 and 75 lb uplift at joint 3.
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V4X	VALLEY	2	1	Job Reference (optional)
Maronda Homes Inc., Sanford, FL					
7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:26 2012 Page 1					
ID:KHIVCs5OTBX8dzMFoFO2MByJnL-ySUf48IAhsFNntKmgdV2WRujv01cezplUAAELVzR4mt					
21-11-14		0-11-4		1-10-8	
		0-11-4		0-11-4	

Scale = 1:3.8



21-11-14

0-0-10

0-0-10

1-10-8

1-9-14

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	0.90	TC 0.00	Vert(LL)	n/a	-	n/a	999		
TCDL 7.0	Plt. Metal Increase	0.90	BC 0.01	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber Increase	0.90	WB 0.00	Horz(TL)	0.00		n/a	n/a		
BCDL 10.0	Rep Stress Incr	YES	(Matrix)						Weight: 3 lb	FT = 0%
	Code FRC2010/TPI2007									

LUMBER

BOT CHORD 2x4 SP 1500F 1.6E

BRACING

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

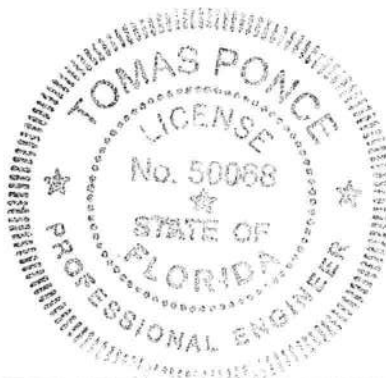
REACTIONS (lb/size) 2=11/1-9-4 (min. 0-1-8), 1=11/1-9-4 (min. 0-1-8)
Max Grav 2=22(LC 3), 1=22(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
BOT CHORD 1-2=0/0

NOTES (4)

- 1) Gable requires continuous bottom chord bearing.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



[Handwritten Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V5X	VALLEY	2	1	

Maronda Homes Inc., Sanford, FL

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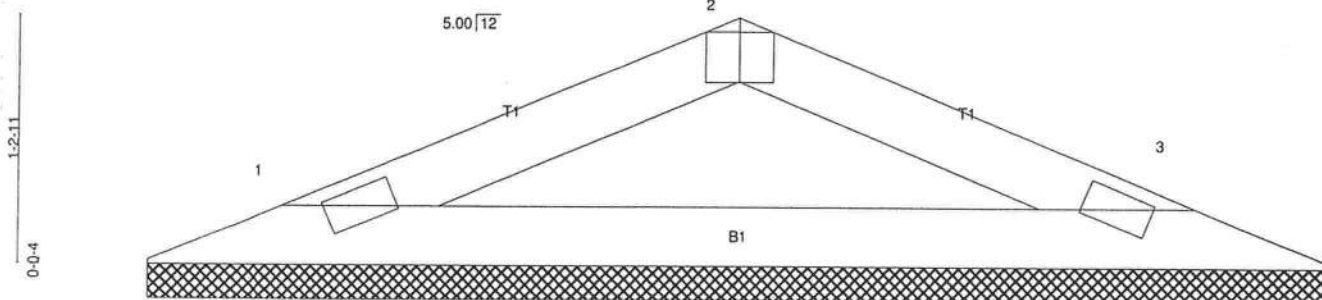
21-1-14

2-11-3
2-11-3

5-10-6
2-11-3

Scale = 1:10.7

3x4 =



21-1-14

0-0-10
0-0-10

5-10-6
5-9-12

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 1.25	TC 0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.18	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007	(Matrix)						Weight: 16 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E

BRACING

TOP CHORD
BOT CHORD

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS

(lb/size) 1=128/5-9-2 (min. 0-1-8), 3=128/5-9-2 (min. 0-1-8)
Max Horz 1=-14(LC 15)
Max Uplift 1=-40(LC 10), 3=-40(LC 11)
Max Grav 1=145(LC 2), 3=145(LC 2)

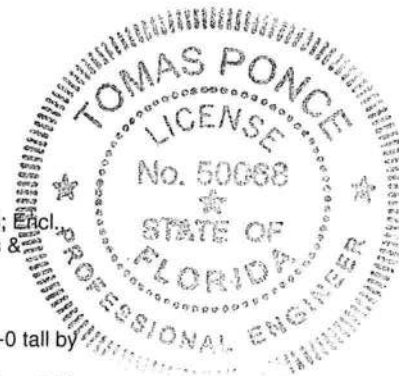
FORCES

(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-189/123, 2-3=-189/123
BOT CHORD 1-3=-88/152

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. I, Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; cantilever left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 40 lb uplift at joint 1 and 40 lb uplift at joint 3.
- This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



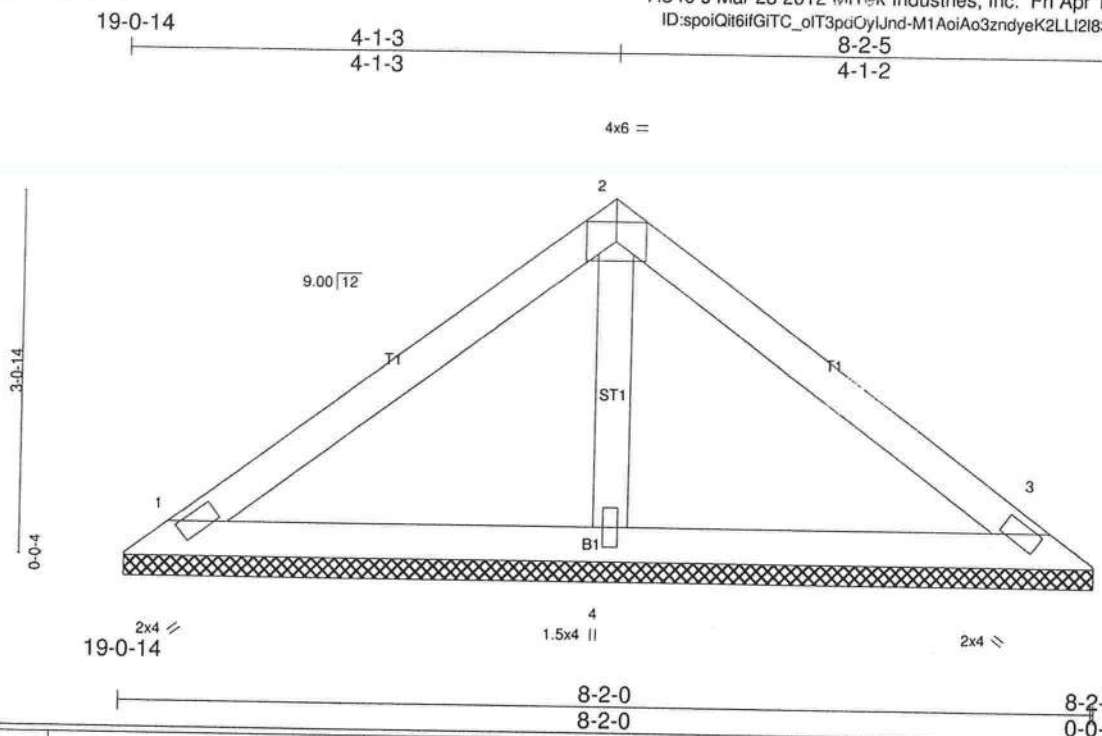
[Signature]

APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V6X	VALLEY	1	1	

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:29 2012 Page 1
ID:spoiQit6ifGiTC_oIT3pdOylJnd-M1AoiAo3zndyeK2LLI2I83WBpD1wrKFkA8OuyqzR4mc



Scale = 1:18.5

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.21	in (loc) 1/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.10	Vert(LL) n/a - n/a 999		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.02	Vert(TL) n/a - n/a 999		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code FRC2010/TPI2007			Weight: 29 lb	FT = 0%

LUMBER
TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
OTHERS 2x4 SP 1500F 1.6E

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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

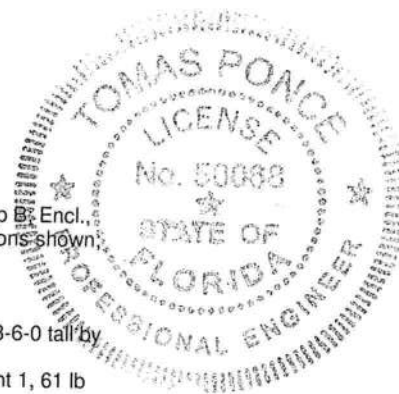
REACTIONS (lb/size) 1=112/8-1-11 (min. 0-1-8), 3=112/8-1-11 (min. 0-1-8), 4=200/8-1-11 (min. 0-1-8)
Max Horz 1=-82(LC 6)
Max Uplift 1=-53(LC 10), 3=-61(LC 11), 4=-15(LC 10)
Max Grav 1=130(LC 2), 3=134(LC 19), 4=223(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-101/60, 2-3=-101/60
BOT CHORD 1-4=-24/42, 3-4=-24/42
WEBS 2-4=-193/96

NOTES (7)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; 160mph (3-second gust) $V_{asd}=124\text{mph}$; $TCDL=4.2\text{psf}$; $BCDL=5.0\text{psf}$; $h=25\text{ft}$; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 1, 61 lb uplift at joint 3 and 15 lb uplift at joint 4.
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 16 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V7X	GABLE	1	1	

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:30 2012 Page 1

ID: dLHj6Rz7p6GZRQbKD9Ciy4yJnV-qEkAwWohk5lpGUdYvSZ_hH3OMdOxaneuPo8RUHzR4mp

19-10-14

2-11-13

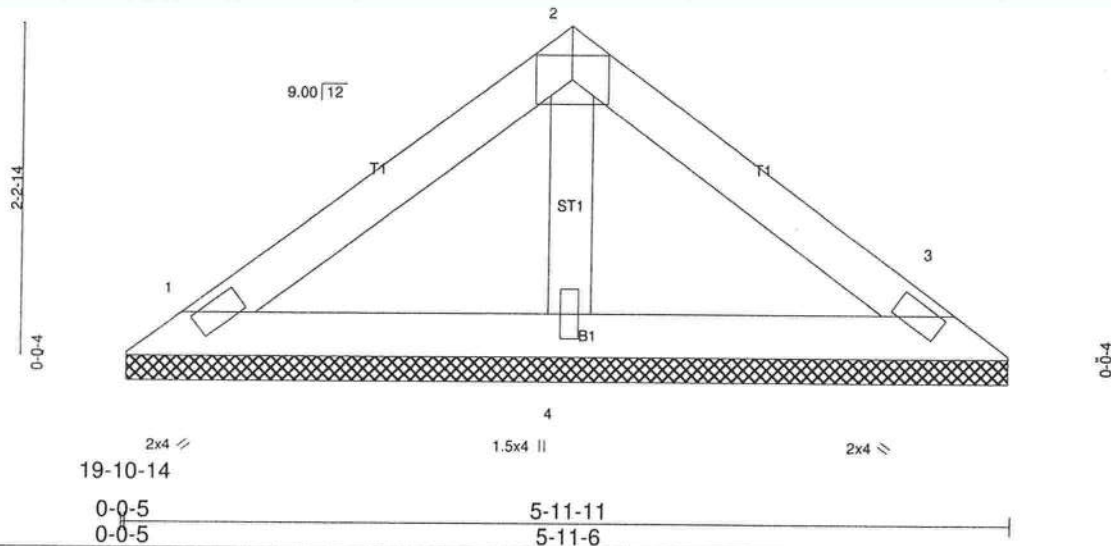
2-11-13

5-11-11

2-11-14

4x6 =

Scale = 1:14.7



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase	1.25	TC 0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.05	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.01	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Code FRC2010/TPI2007		(Matrix)						Weight: 21 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E
OTHERS 2x4 SP 1500F 1.6E

BRACING

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=78/5-11-1 (min. 0-1-8), 3=78/5-11-1 (min. 0-1-8), 4=139/5-11-1 (min. 0-1-8)
Max Horz 1=-57(LC 6)
Max Uplift 1=-37(LC 10), 3=-42(LC 11), 4=-11(LC 10)
Max Grav 1=91(LC 2), 3=93(LC 19), 4=155(LC 3)

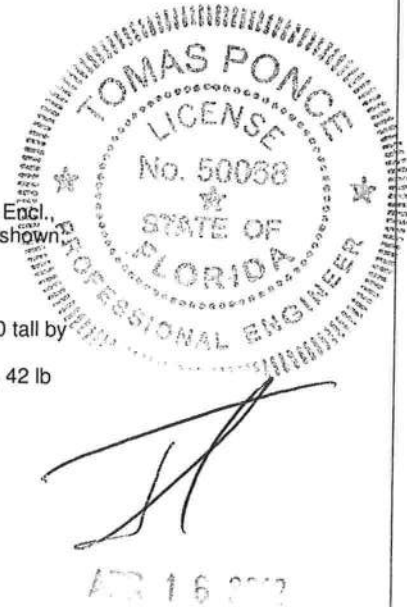
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-71/44, 2-3=-71/44
BOT CHORD 1-4=-17/29, 3-4=-17/29
WEBS 2-4=-136/71

NOTES (7)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; 160mph (3-second gust) $V_{asd}=124\text{mph}$; $TCDL=4.2\text{psf}$; $BCDL=5.0\text{psf}$; $h=25\text{ft}$; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown. Lumber DOL=1.60 plate grip DOL=1.60
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 37 lb uplift at joint 1, 42 lb uplift at joint 3 and 11 lb uplift at joint 4.
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

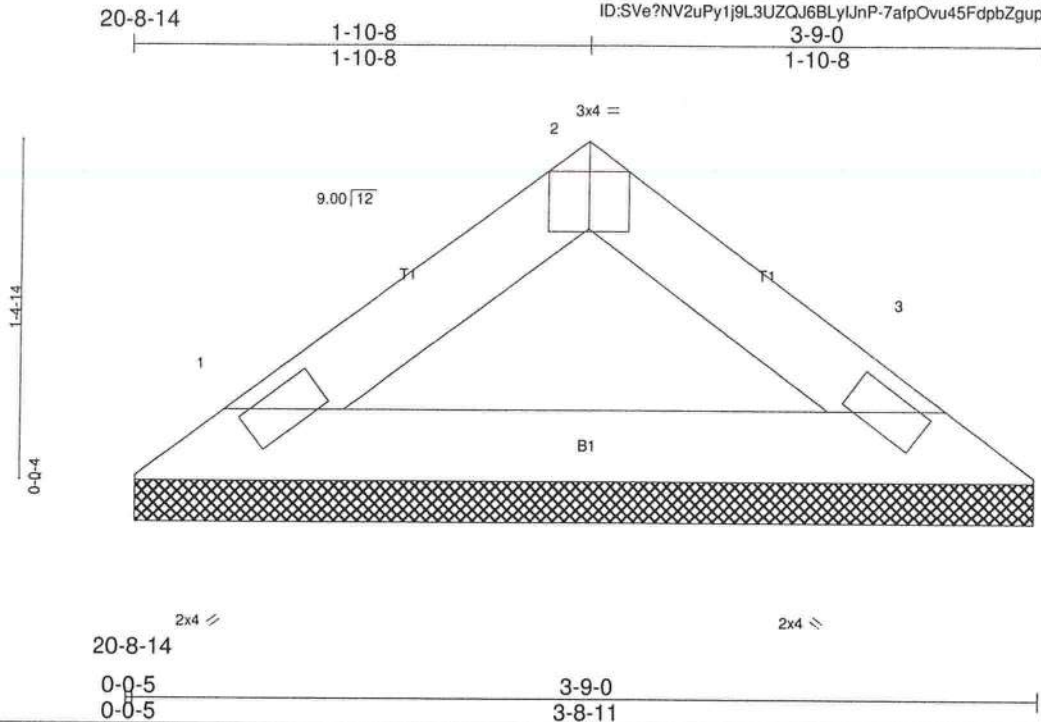
LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V11X	VALLEY	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:37 2012 Page 1
ID:SVe?NV2uPy1j9L3UZQJ6BLyJnP-7afpOvu45FdpbZgupQBdTlsbgRmEjXw0OKJENzR4ml



Scale = 1:9.0

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	2-0-0	TC 0.03	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.07	Vert(TL)	n/a	-	n/a	999		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)							
	Code FRC2010/TPI2007							Weight: 11 lb	FT = 0%

LUMBER

TOP CHORD 2x4 SP 1500F 1.6E
BOT CHORD 2x4 SP 1500F 1.6E

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS (lb/size) 1=83/3-8-6 (min. 0-1-8), 3=83/3-8-6 (min. 0-1-8)
Max Horz 1=-32(LC 6)
Max Uplift 1=-24(LC 10), 3=-24(LC 11)
Max Grav 1=95(LC 2), 3=95(LC 2)

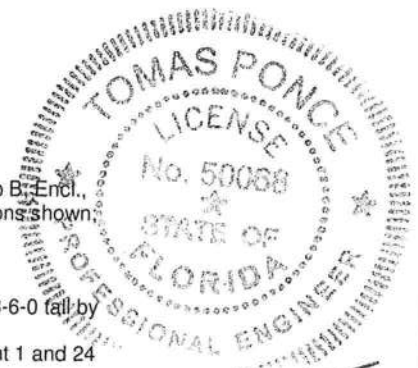
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-104/59, 2-3=-104/59
BOT CHORD 1-3=-15/52

NOTES (7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 160mph (3-second gust) Vasd=124mph; TCDL=4.2psf; BCDL=5.0psf; h=25ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Interior(1) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 1 and 24 lb uplift at joint 3.
- This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard



APR 16 2012

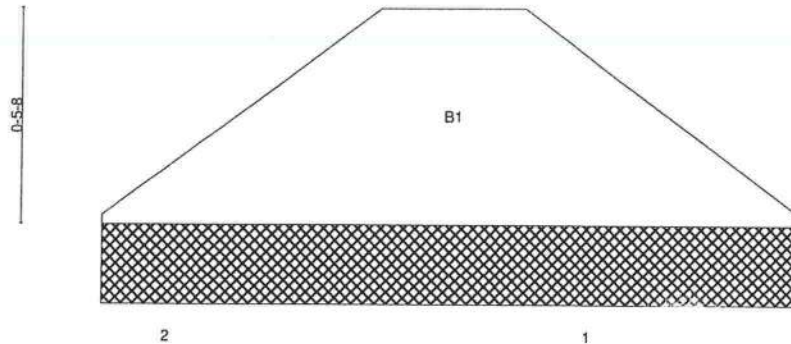
Job	Truss	Truss Type	Qty	Ply	BAYBURY_FL_A_FBC_10_NEW_CODE
BAYBURY	V12X	VALLEY	1	1	Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Fri Apr 13 16:53:37 2012 Page 1
ID:KHtVCs5OTBX8dzMFoFO2MBylJnL-7afpOvu45FdpbZgupQBdTlsb7RnljXw0OKJENzR4m

21-6-14 0-9-3 1-6-5
0-9-3 0-9-2

Scale = 1:4.6



21-6-14

1-6-0 1-6-5
1-6-0 0-0-5

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 16.0	Plates Increase 0.90	TC 0.00	Vert(LL)	n/a	-	n/a	999	
TCDL 7.0	Plt. Metal Increase 0.90	BC 0.00	Vert(TL)	n/a	-	n/a	999	
BCLL 0.0 *	Lumber Increase 0.90	WB 0.00	Horz(TL)	0.00	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)						
	Code FRC2010/TPI2007							
							Weight: 3 lb	FT = 0%

LUMBER
BOT CHORD 2x6 SYP No.2

BRACING
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

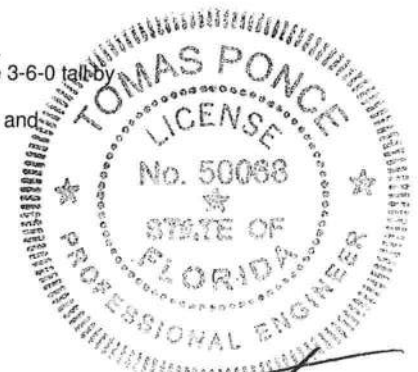
REACTIONS (lb/size) 2=9/1-5-11 (min. 0-1-8), 1=9/1-5-11 (min. 0-1-8)
Max Grav 2=18(LC 3), 1=18(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
BOT CHORD 1-2=0/0

NOTES (4)

- 1) Gable requires continuous bottom chord bearing.
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
- 4) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

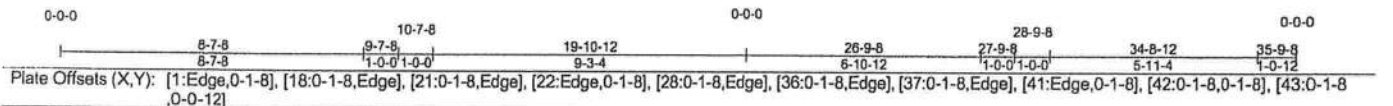
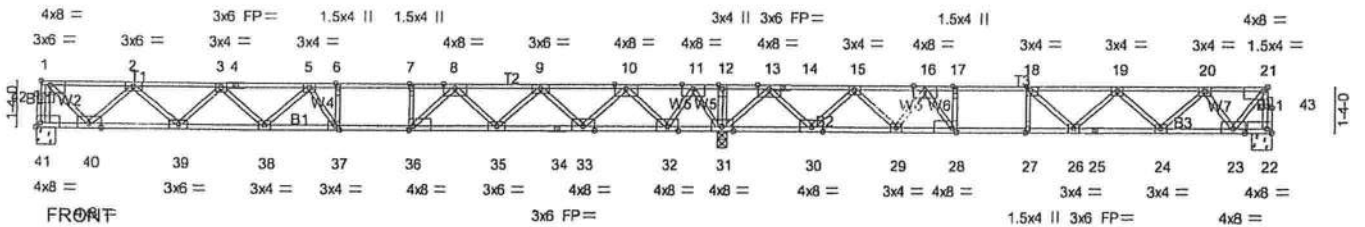
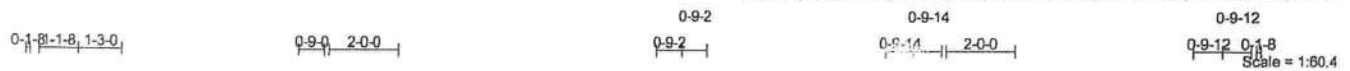


APR 16 2012

Job ELEV_2_3_CAR	Truss FA	Truss Type FLOOR	Qty 1	Ply 1	BAY# 11Y_2_3_CAR_2SC01901 ELEV 2 & 3 CAR Job Reference (optional)
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Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MitTek Industries, Inc. Wed Apr 11 14:43:16 2012 Page 1
ID:124AgExscmwA97gZL756z5lid-qoeDdX7P8LEK6gibIGNZIMfslqavuWVN183FJpzRmst



LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.99	Vert(LL) -0.26	37	>913	480	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.90	Vert(TL) -0.40	37-38	>597	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.51	Horz(TL) 0.06	22	n/a	n/a		
BCDL 5.0	Code FRC2010/TPI2007	(Matrix)						
							Weight: 186 lb	FT = 0%F, 0%E

LUMBER
TOP CHORD 2x4 SYP No.2(flat) *Except*
T3: 2x4 SYP No.1D(flat)
BOT CHORD 2x4 SYP No.1D(flat) *Except*
B3: 2x4 SYP No.2(flat)
WEBS 2x4 SYP No.3(flat)

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

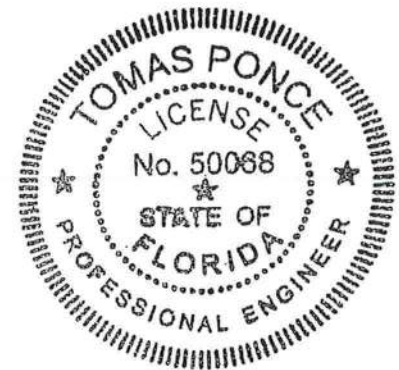
REACTIONS (lb/size) 41=1358/0-6-8 (min. 0-1-8), 22=1100/0-6-8 (min. 0-1-8), 31=2357/0-3-8 (min. 0-1-8)
Max Grav41=1398(LC 3), 22=1210(LC 4), 31=2357(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 41-42=-1399/0, 1-42=-1381/0, 22-43=-1208/0, 21-43=-1206/0, 1-2=-1003/0, 2-3=-2382/0, 3-4=-3178/0, 4-5=-3178/0, 5-6=-3356/0, 6-7=-3356/0, 7-8=-3356/0, 8-9=-2467/0, 9-10=-1183/327, 10-11=0/1283, 11-12=0/2851, 12-13=0/2851, 13-14=-344/1426, 14-15=-344/1426, 15-16=-1477/849, 16-17=-2096/337, 17-18=-2096/337, 18-19=-2046/86, 19-20=-1464/0, 20-21=-556/0
BOT CHORD 39-40=0/1838, 38-39=0/2907, 37-38=0/3392, 36-37=0/3356, 35-36=0/2971, 34-35=-75/1965, 33-34=-75/1965, 32-33=-613/367, 31-32=-1957/0, 30-31=-1834/0, 29-30=-1105/1044, 28-29=-645/1785, 27-28=-337/2096, 26-27=-337/2096, 25-26=0/1908, 24-25=0/1908, 23-24=0/1003
WEBS 8-36=0/871, 8-35=-767/0, 9-35=0/750, 9-33=-1142/0, 2-40=-1166/0, 10-33=0/1194, 10-32=-1524/0, 11-32=0/1265, 11-31=-1502/0, 13-31=-1536/0, 13-30=0/1181, 2-39=0/762, 15-30=-1127/0, 15-29=0/744, 16-29=-721/0, 16-28=0/1009, 18-26=-73/409, 19-24=-620/25, 20-24=-7/643, 20-23=-803/0, 3-39=-735/0, 3-38=0/381, 5-38=-304/20, 5-37=-462/267, 21-23=0/845, 1-40=0/1199, 7-36=-406/0, 17-28=-522/0, 18-27=-299/0

- NOTES** (6)
- 1) Unbalanced floor live loads have been considered for this design.
 - 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
 - 3) CAUTION, Do not erect truss backwards.
 - 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 35-7-4, and 462 lb down at 0-3-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
 - 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
 - 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard
1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Continued on page 2



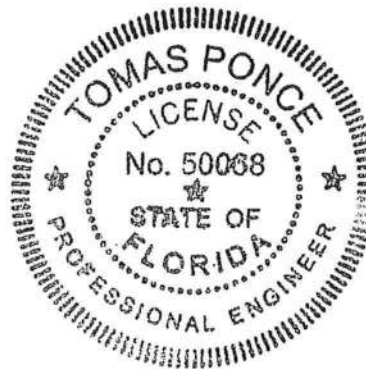
APR 12 2012

Job	Truss	Truss Type	Qty	Ply	
ELEV_2_3CAR	FA	FLOOR	1	1	BAYBURY_2_3_CAR_2SC01901

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Apr 11 14:43:18 2012 Page 2
ID:li24AgExscmwA97gZIL756z5lid-qoeDdX7P8LEK6gibiGNZIMfslqavuWVNI83FJpzRmst

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-21=-100, 22-41=-10
Concentrated Loads (lb)
Vert: 21=-462(F) 1=-462(F)



APR 12 2012

A handwritten signature in black ink, appearing to be "T. Ponce", located below the date stamp.

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Apr 11 14:43:31 2012 Page 1
ID:ZOCeeRNSOIBcczRuMfDO?jz5HhH-xlw7L_HZ4LsU9gC5ZU6cn5f8X34IRJlKfIRHZzRmsg

Diagram illustrating the distribution of 1000 units across four categories:

- Category 1: 200 units (20%)
- Category 2: 300 units (30%)
- Category 3: 90 units (9%)
- Category 4: 410 units (41%)

0-11-10

0-904-8
Scale = 1:60.9



LOADING(psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.71	Vert(LL) -0.13	36	>999	480	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.62	Vert(TL) -0.18	36	>999	360		
BCLL 0.0	Rep Stress Incr NO	WB 0.79	Horz(TL) 0.02	21	n/a	n/a		
BCDL 5.0	Code FRC2010/TPI2007	(Matrix)					Weight: 195 lb	FT = 0%F, 0%E

Weight: 195 lb FT = 0%F, 0%E

TOP CHORD 2x4 SYP No.2(flat) *Except*
T1: 2x4 SYP No.1D(flat)
BOT CHORD 2x4 SYP No.2(flat)
WEBS 2x4 SYP No.3(flat)

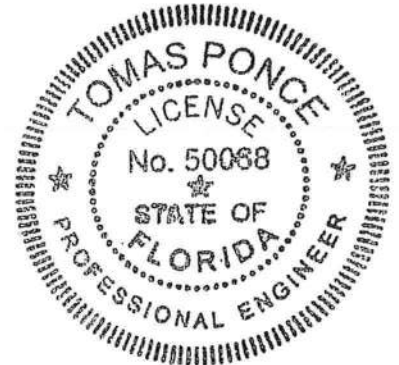
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

(lb) - Max Uplift All uplift 100 lb or less at joint(s) except 41=1013(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 41 except 21=1184(LC 5), 40=2955(LC 3), 31=2220(LC 1)

TOP CHORD 41-42=-72/1014, 1-42=-72/1014, 21-43=-1183/0, 20-43=-1182/0, 1-2=0/2445, 2-3=-47/866,
3-4=-1345/0, 4-5=-1343/0, 5-6=-1986/0, 6-7=-2144/0, 7-8=-2144/0, 8-9=-1728/247,
9-10=-752/02, 10-11=0/1701, 11-12=0/1748, 12-13=-786/843, 13-14=-786/843,
14-15=-1683/369, 15-16=-1971/164, 16-17=-2030/0, 17-18=-2030/0, 18-19=-1534/0,
19-20=-529/0

BOT CHORD 39-40=-2445/0, 38-39=0/518, 37-38=0/1749, 36-37=0/2197, 35-36=-73/2065,
34-35=-446/1367, 33-34=-446/1367, 32-33=-1004/161, 31-32=-2806/0, 30-31=-2806/0,
29-30=-1132/188, 28-29=-587/1353, 27-28=-587/1353, 26-27=-164/1971, 25-26=-164/1971,
24-25=-164/1971, 23-24=0/1879, 22-23=0/1170

WEBS 2-39=0/1969, 3-39=1873/0, 3-38=0/1423, 11-30=0/1411, 12-30=-1338/0, 11-32=0/1473,
10-32=-1394/0, 10-33=0/1032, 9-33=-992/0, 9-35=0/633, 8-35=-599/0, 6-37=-420/97,
5-37=-62/455, 5-38=-759/1, 12-29=0/967, 14-29=-918/0, 14-27=0/626, 15-27=-692/0,
16-24=-45/493, 18-23=-483/35, 19-23=-2/517, 19-22=-901/0, 20-22=0/801, 21-24=0/1596/0,
11-31=-2177/0, 1-40=-2738/0, 15-26=0/269, 4-38=-616/0



- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1013 lb uplift at joint 41.
- 3) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
- 4) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 5) CAUTION, Do not erect truss backwards.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0'-2-4, and 462 lb down at 35'-7-4, and 590 lb down at 6'-0-8 on top 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).
- 8) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

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LOAD CASE(S) Standard

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	BAYBURY_2_3_CAR_25C01901
ELEV_2_3CAR	FB	FLOOR	1	1	ELEV BBR 2 & 3 CAR Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Apr 11 14:43:31 2012 Page 2
ID:ZOCeeRNSOIBcczRuMIDO?jz5hH-xlw7L_HZ4LsU9gC5ZU6cn5i8X34IRJJkfiRHZzRmsg

LOAD CASE(S) Standard

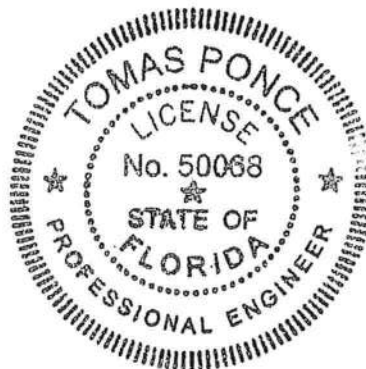
1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 1-20=-100, 21-41=-10

Concentrated Loads (lb)

Vert: 1=-462(F) 20=-462(F) 4=-590(F)



APR 12 2012

A handwritten signature in black ink, appearing to be "T. Ponce", written over the date stamp.

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Apr 11 14:43:41 2012 Page 1
ID:P7yA6xHucSVCZ2AZE:ujFz5RaU-IDXvSPPrjQ73MCz08bHyBC6s75Q2nu?m1D7yd zRmsW

Weight: 158 lb FT = 0%F, 0%E

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

Max Grav35=663(LC 5), 17=1230(LC 4), 27=1932(LC 1)

TOP CHORD
1-35=658/0, 17-36=1226/0, 16-36=1224/0, 1-2=629/0, 2-3=1422/0, 3-4=1642/0,
4-5=1419/112, 5-6=659/478, 6-7=659/478, 7-8=0/1146, 8-9=0/965, 9-10=1236/288,
10-11=1236/288, 11-12=2209/0, 12-13=2209/0, 13-14=2153/0, 14-15=1509/0,
15-16=568/0

BOT CHORD
33-34=0/1178, 32-33=0/1642, 31-32=0/1642, 30-31=0/1642, 29-30=273/1178,
28-29=716/114, 27-28=1805/0, 26-27=1795/0, 25-26=537/620, 24-25=537/620,
23-24=74/1760, 22-23=0/2209, 21-22=0/2209, 20-21=0/1986, 19-20=0/1986, 18-19=0/1028

WEBS
1-34=0/838, 2-34=763/0, 2-33=153/40, 3-33=314/102, 14-19=652/0, 15-19=0/671,
15-18=830/0, 16-18=0/868, 4-30=555/0, 5-30=0/451, 5-29=806/0, 7-29=0/850,
7-28=1007/0, 8-28=0/1057, 8-26=0/1295, 9-26=1220/0, 9-24=0/915, 11-24=778/0,
11-23=0/843, 12-23=351/0, 8-27=1896/0, 13-22=253/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Load case(s) 3, 7, 8, 10 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10'-0" o.c. and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 29'-8" on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 17-35=-10, 1-16=-100

A circular professional engineer seal for Tomas Ponce. The outer ring contains the text "TOMAS PONCE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring is another circle with the text "LICENSE" at the top, "No. 50068" in the center, and "STATE OF FLORIDA" at the bottom, also separated by two stars. The entire seal is rendered in a high-contrast, black-and-white style.

APR 12 2012

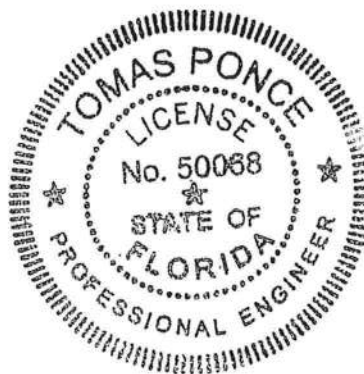
Job	Truss	Truss Type	Qty	Ply	BAYBURY_2_3_CAR_2SC01901
ELEV_2_3CAR	FC	FLOOR	9	1	ELEV BBR 2 & 3 CAR Job Reference (optional)

Maronda Homes Inc., Sanford, FL

7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Apr 11 14:43:42 2012 Page 2
ID:P7yAj6xHucSVCZ2AZEujtFz5RaU-7P5HfIQTUjFw_MYCilpBkQf1tVmHWLFvGtIWAQzRmsV

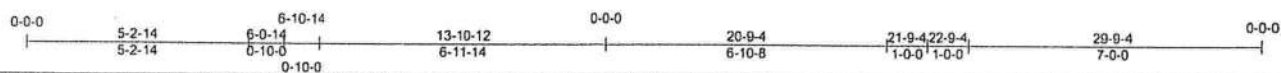
LOAD CASE(S) Standard

- Concentrated Loads (lb)
 - Vert: 16=-462(F)
- 3) 1st unbalanced Floor: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 17-35=-10, 1-8=-100, 8-16=-20
 - Concentrated Loads (lb)
 - Vert: 16=-126(F)
- 7) 1st chase Floor: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 17-35=-10, 1-4=-100, 4-8=-20, 8-16=-100
 - Concentrated Loads (lb)
 - Vert: 16=-126(F)
- 8) 2nd chase Floor: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 17-35=-10, 1-3=-20, 3-16=-100
 - Concentrated Loads (lb)
 - Vert: 16=-126(F)
- 10) 4th chase Floor: Lumber Increase=1.00, Plate Increase=1.00
 - Uniform Loads (plf)
 - Vert: 17-35=-10, 1-8=-100, 8-12=-20, 12-16=-100
 - Concentrated Loads (lb)
 - Vert: 16=-126(F)



APR 12 2012

7.340 s Mar 28 2012 MTEK Industries, Inc. Wed Apr 11 14:43:51 2012 Page 1
ID:seSMSKVJAi6GBIAkRV72P750ko-M88hYqX6MUOEZlkxkhTlBjXY47n67QOEKmyYU PzRmsM



LOADING(psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 40.0	Plates Increase 1.00	TC 0.80	Vert(LL) -0.16 19-20 >999 480	MT20	244/190
TCDL 10.0	Lumber Increase 1.00	BC 0.93	Vert(TL) -0.25 19-20 >770 360		
BCLL 0.0	Rep Stress Incr NO	WB 0.52	Horz(TL) 0.03 17 n/a n/a		
BCDL 5.0	Code FRC2010/TPI2007	(Matrix)		Weight: 156 lb	FT = 0%F, 0%E

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

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

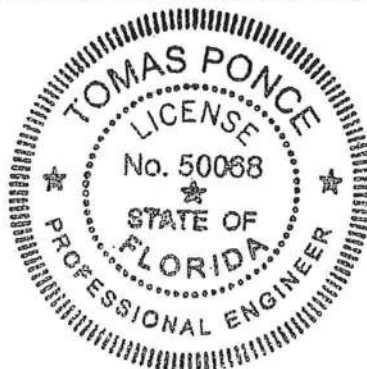
TOP CHORD
1-34=653/0, 17-35=-1216/0, 16-35=-1214/0, 1-2=623/0, 2-3=-1405/0, 3-4=-1615/0,
4-5=-1383/178, 5-6=-612/564, 6-7=-612/564, 7-8=0/1237, 8-9=0/963, 9-10=-1123/287,
10-11=-2172/0, 11-12=-2172/0, 12-13=-2172/0, 13-14=-1882/0, 14-15=915/0,
15-16=915/0

BOT CHORD
32-33=0/1167, 31-32=0/1615, 30-31=0/1615, 29-30=0/1615, 28-29=-350/1136,
27-28=-812/60, 26-27=-1839/0, 25-26=-1827/0, 24-25=-510/572, 23-24=-510/572,
22-23=-92/1661, 21-22=-92/1661, 20-21=0/2172, 19-20=0/2160, 18-19=0/1547

WEBS
13-20=293/168, 13-19=-390/10, 14-19=0/468, 14-18=-829/0, 1-33=0/830, 2-33=-756/0,
2-32=-31/332, 16-18=0/1098, 3-32=-301/126, 4-29=-580/0, 5-29=0/468, 5-28=-819/0,
7-28=0/864, 7-27=-994/0, 8-27=0/1037, 8-25=0/1306, 9-25=-1243/0, 9-23=0/835,
10-23=-790/0, 10-21=0/924, 11-21=-343/0, 8-26=-1887/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 34.
- 3) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 4) CAUTION, Do not erect truss backwards.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 29-7-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 7) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 17-34=-10, 1-16=-100
Concentrated Loads (lb)
Vert: 16=-462(F)



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JOB ELEV_2_3CAR	Truss FD	Truss Type FLOOR	Qty 10	Ply 1	BA 2_3_CAR_2SC01901
Maronda Homes Inc., Sanford, FL			ELEV BBR 2 & 3 CAR Job Reference (optional)		

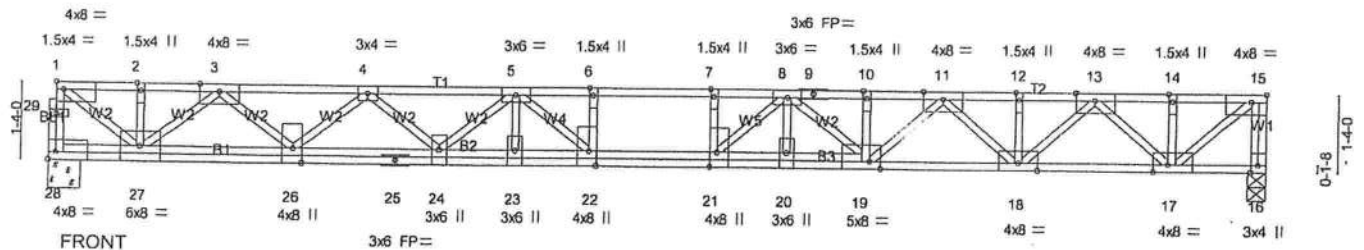
7.340 s Mar 28 2012 MiTek Industries, Inc. Wed Apr 11 14:43:58 2012 Page 1
ID:379JA75c1L7k8j0PcCIPz5Pxi-fU3L0DcVjeGvpmHef5xNoJnAyC5GZyGxMIMkVzRmsF

0-1-8

H 1-3-0

1-2-10 2-0-0 1-1-12

Scale = 1:35.7



0-0-0

0-0-0

Plate Offsets (X,Y):	[1:Edge,0-1-8], [15:0-3-0,Edge], [17:0-3-0,Edge], [19:0-2-4,Edge], [21:0-3-0,Edge], [22:0-3-0,Edge], [26:0-3-0,Edge], [28:Edge,0-1-8], [29:0-1-8,0-0-12]
----------------------	--

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.68	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.97	Vert(LL) -0.35 21-22 >716 480		
BCLL 0.0	Lumber Increase 1.00	WB 0.66	Vert(TL) -0.54 21-22 >458 360		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.07 16 r/a n/a		
	Code FRC2010/TPI2007				

LUMBER

TOP CHORD 2x4 SYP No.2(flat)
BOT CHORD 2x4 SYP No.2(flat)
WEBS 2x4 SYP No.3(flat)

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 28=1588/0-6-8 (min. 0-1-8), 16=1135/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

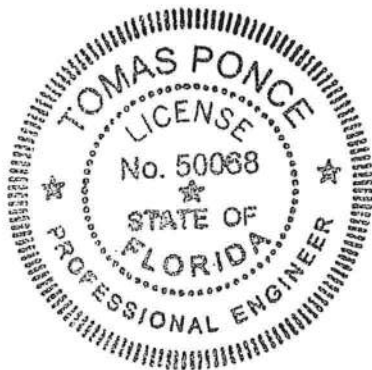
TOP CHORD 28-29=-1572/0, 1-29=-1570/0, 15-16=-1128/0, 1-2=-1340/0, 2-3=-1340/0, 3-4=-3163/0, 4-5=-4348/0, 5-6=-5031/0, 6-7=-5031/0, 7-8=-5031/0, 8-9=-4488/0, 9-10=-4488/0, 10-11=-4495/0, 11-12=-3073/0, 12-13=-3073/0, 13-14=-1269/0, 14-15=-1269/0
BOT CHORD 26-27=0/2385, 25-26=0/3903, 24-25=0/3903, 23-24=0/4822, 22-23=0/4822, 21-22=0/5031, 20-21=0/4853, 19-20=0/4853, 18-19=0/3826, 17-18=0/2239
WEBS 1-27=0/1637, 15-17=0/1658, 3-27=-1389/0, 3-26=0/1056, 4-26=1007/0, 4-24=0/605, 5-24=-632/0, 13-17=-1319/0, 13-18=0/1132, 11-18=-1023/0, 11-19=0/872, 5-22=-219/725, 8-19=-485/0, 8-21=-240/692

NOTES (6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-2-4 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 16-28=-10, 1-15=-100
Concentrated Loads (lb)
Vert: 1=-462(F)



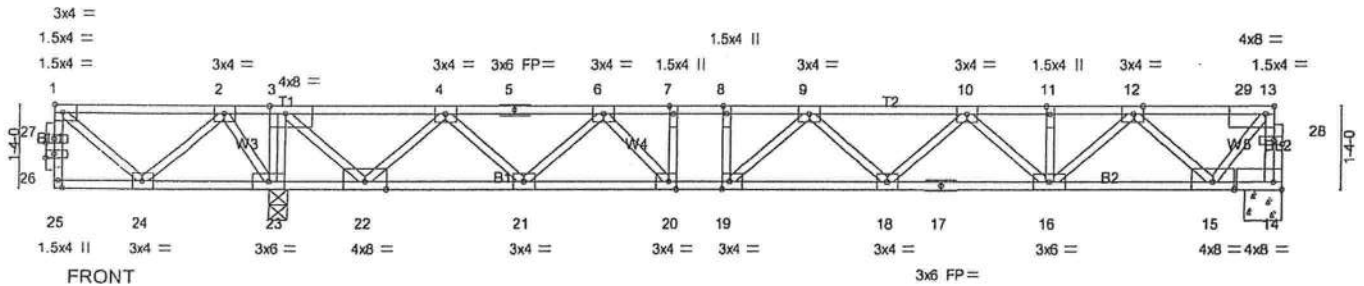
[Handwritten Signature]

APR 12 2012

Job	Truss	Truss Type	Qty	Ply	BAYBURY_2_3_CAR_25C01901
ELEV_2_3CAR	FE	FLOOR	3	1	ELEV BBR 2 & 3 CAR
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

7.340 s Mar 28 2012 Mitek Industries, Inc. Wed Apr 11 14:44:05 2012 Page 1
ID:MHfELZo6yrfmh284ocFi0ez5Pwo-yq_Ucliu3n9fEuodYdja9G61bmdnPmliYyxEUbzRms8

0-1-8
1-3-0 0-8-8 1-0-12 0-9-0 0-9-6 0-1-8
Scale = 1:32.8



3-5-8 0-0-0 9-10-12 10-7-12 19-5-2 0-0-0
3-5-8 3-7-0 6-3-12 10-3-4 0-4-8 8-9-6
0-1-8 0-4-8

Plate Offsets (X,Y): [3:0-3-0,Edge], [12:0-1-12,Edge], [13:0-1-8,Edge], [14:Edge,0-1-8], [19:0-1-8,Edge], [20:0-1-8,Edge], [26:0-1-8,0-0-12], [27:0-1-8,0-0-12], [28:0-1-8,0-0-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 40.0	2-0-0	TC 0.41	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.00	BC 0.78	Vert(LL) -0.15 18-19 >999 480		
BCLL 0.0	Lumber Increase 1.00	WB 0.47	Vert(TL) -0.23 18-19 >815 360		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.05 14 n/a n/a		
	Code FRC2010/TPI2007			Weight: 107 lb	FT = 0%F, 0%E

LUMBER

TOP CHORD 2x4 SYP No.2(flat)
BOT CHORD 2x4 SYP No.2(flat)
WEBS 2x4 SYP No.3(flat)

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, Except: 6-0-0 oc bracing: 23-24,22-23,21-22.

REACTIONS (lb/size) 14=943/0-6-8 (min. 0-1-8), 23=1279/0-3-8 (min. 0-1-8)
Max Grav14=1280(LC 4), 23=1279(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

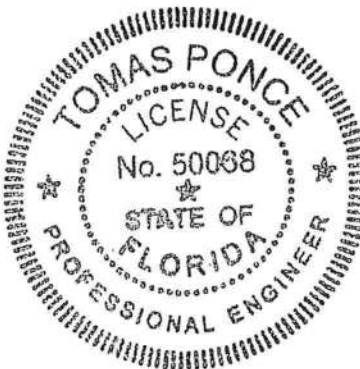
TOP CHORD 14-28=-1279/0, 13-28=-1278/0, 2-3=0/516, 3-4=-742/236, 4-5=-1952/0, 5-6=-1952/0, 6-7=-2662/0, 7-8=-2662/0, 8-9=-2662/0, 9-10=-2589/0, 10-11=-1913/0, 11-12=-1913/0, 12-29=-593/0, 13-29=-593/0
BOT CHORD 22-23=-516/0, 21-22=-3/1490, 20-21=0/2403, 19-20=0/2662, 18-19=0/2761, 17-18=0/2375, 16-17=0/2375, 15-16=0/1352
WEBS 9-19=-382/193, 10-18=0/301, 10-16=-630/0, 2-23=-473/0, 3-22=0/1168, 4-22=-1083/0, 4-21=0/681, 6-21=-670/0, 6-20=0/596, 12-16=0/766, 12-15=-1057/0, 13-15=0/923, 3-23=-917/0, 7-20=-295/0

NOTES (6)

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION, Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 19-2-14 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 14-25=-10, 1-13=-100
Concentrated Loads (lb)
Vert: 13=-126(F)

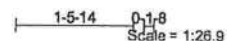


[Handwritten signature]

APR 12 2012

Maronda Homes Inc., Sanford, FL

0-1-8

Weight: 85 lb FT = 0%F, 0%F

TOP CHORD 2x4 SYP No.2(flat)
BOT CHORD 2x4 SYP No.2(flat)
WEBS 2x4 SYP No.3(flat)

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.

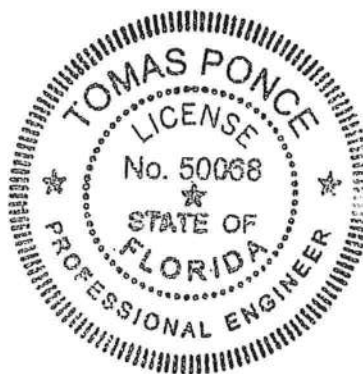
FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD
18-19=-855/0, 1-19=-854/0, 10-20=-977/0, 9-20=-976/0, 1-2=-861/0, 2-3=-2065/0, 3-4=-2783/0, 4-5=-2783/0,
5-6=-2783/0, 6-7=-2188/0, 7-8=-1090/0, 8-9=-1090/0
BOT CHORD
16-17=0/1618, 15-16=0/2511, 14-15=0/2511, 13-14=0/2783, 12-13=0/2584, 11-12=0/1764
WEBS
6-13=-35/539, 6-12=-552/0, 1-17=0/1111, 2-17=-1052/0, 2-16=0/622, 3-16=-606/0, 7-12=0/590, 7-11=-917/0,
9-11=0/1299, 3-14=-20/620, 5-13=-261/0

- 1) Unbalanced floor live loads have been considered for this design.
- 2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0" oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 3) CAUTION: Do not erect truss backwards.
- 4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 15-9-8 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 6) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

1) Floor: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)
Vert: $10-18=-10$, $1-9=-100$
Concentrated Loads (lb)
Vert: $9=-126(F)$



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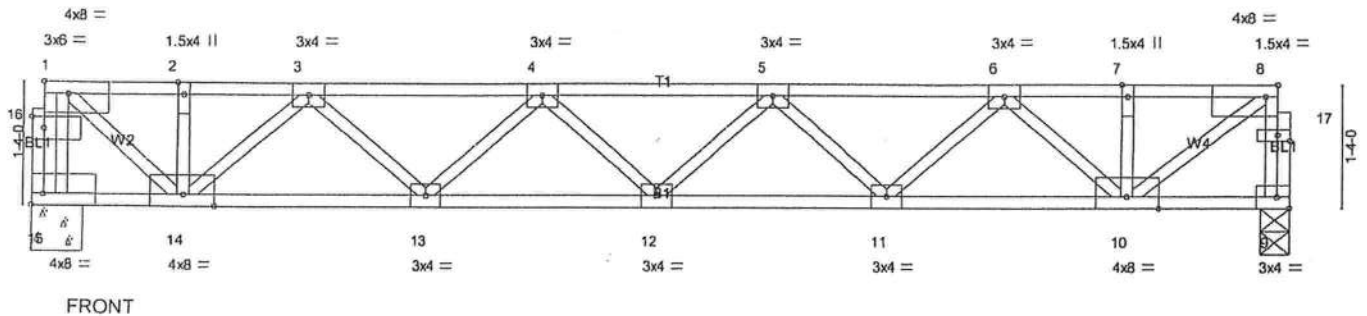
Job	Truss	Truss Type	City	Ply	BAYBURY_2_3_CAR_2SC01901
ELEV_2_3CAR	FG	FLOOR	4	1	ELEV BBR 2 & 3 CAR
Maronda Homes Inc., Sanford, FL					Job Reference (optional)

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IDjTIGHxrkCTeagguNGSoD8H4z5Pp_-BZ1ONhpXyYHOqH_MaONh1A_cZPnO0suddrdClazRms?

0-1-8

1-1-8 1-3-0

1-4-4 0-1-8
Scale = 1:22.2



FRONT

0-0-0

0-0-0

Plate Offsets (X,Y): [1:Edge,0-1-8], [8:0-1-8,Edge], [15:Edge,0-1-8], [16:0-1-8,0-1-8], [17:0-1-8,0-1-8]

LOADING(psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 40.0	Plates Increase	1.00	TC 0.26	Vert(LL)	-0.07	12	>999	480	MT20	244/190
TCDL 10.0	Lumber Increase	1.00	BC 0.49	Vert(TL)	-0.11	12	>999	360		
BCLL 0.0	Rep Stress Incr	NO	WB 0.41	Horz(TL)	0.03	9	n/a	n/a		
BCDL 5.0	Code FRC2010/TPI2007		(Matrix)							

Weight: 75 lb FT = 0%F, 0%E

LUMBER

TOP CHORD 2x4 SYP No.2(flat)
BOT CHORD 2x4 SYP No.2(flat)
WEBS 2x4 SYP No.3(flat)

BRACING

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

REACTIONS (lb/size) 15=1166/0-6-6 (min. 0-1-8), 9=719/0-3-8 (min. 0-1-8)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

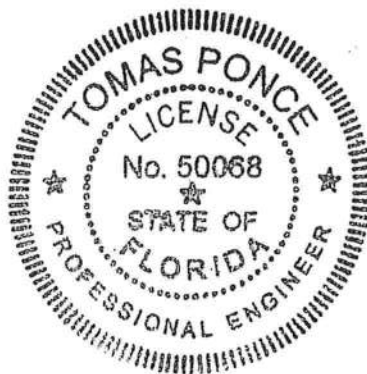
TOP CHORD 15-16=-1165/0, 1-16=-1150/0, 9-17=-713/0, 8-17=-712/0, 1-2=-814/0, 2-3=-814/0, 3-4=-1662/0, 4-5=-1954/0
5-6=-1668/0, 6-7=-828/0, 7-8=-828/0
BOT CHORD 13-14=0/1357, 12-13=0/1941, 11-12=0/1944, 10-11=0/1365
WEBS 3-14=-744/0, 3-13=0/431, 4-13=-393/0, 5-11=-384/0, 6-11=0/421, 6-10=-730/0, 8-10=0/1022, 1-14=0/950

NOTES (4)

- 1) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
- 2) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 462 lb down at 0-3-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
- 3) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- 4) This truss is also designed in accordance with the 2006 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

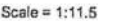
- 1) Floor: Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 9-15=-10, 1-8=-100
Concentrated Loads (lb)
Vert: 1=-462(F)



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[Signature]

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Weight: 39 lb FT = 0%F, 0%E

