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Honge Upon		MANNUFARTURED TRUSSES 724"0.c.	12" Overment
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Job	Truss	Truss Type	Qty	Ply	
Boyer	А	Common	16	1	Job Reference (optional)

Run: 8.5 S 0 Jan 6 2022 Print: 8.500 S Jan 6 2022 MiTek Industries, Inc. Mon Apr 11 07:40:33 Page: 1 ID:vE4eHsSmhBQCGCucuoJLoNzRt5b-wgpUOAllfChV6i50LRZDVedIg2YMKoZt42NtBWzRt3C



8-2-11	15-8-5	, 23-11-0
8-2-11	7-5-11	8-2-11

Scale = 1:47.1

4-6-13

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.47	Vert(LL)	-0.11	10-13	>999	240	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.79	Vert(CT)	-0.27	10-13	>999	180		
TCDL	10.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.07	6	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH								
BCDL	10.0										Weight: 100 lb	FT = 20%

LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.2 *Except* W1:2x4 SP No.3 REACTIONS (lb/size) 2=850/0-3-8, (min. 0-1-8), 6=850/0-3-8, (min. 0-1-8) Max Horiz 2=42 (LC 15) Max Uplift 2=-36 (LC 11), 6=-36 (LC 12) Max Grav 2=1008 (I C 2) 6=1008 (I C 2)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 3-4-6 oc purlins. Rigid ceiling directly applied or 8-5-13 oc bracing. MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when show TOP CHORD 2-3=-2279/572, 3-17=-2015/481, 4-17=-1955/500, 4-18=-1955/500, 5-18= BOT CHORD 2-10=-471/2134, 9-10=-252/1423, 8-9=-252/1423, 6-8=-474/2134 WEBS 4-8=-103/652, 5-8=-422/224, 4-10=-103/652, 3-10=-422/224 NOTES 1)	vn. 2015/481, 5-6=-2279/{	572
 Wind: ASCE 7-10: Vult=130mph (3-second gust) Vasd=103mph; TCDI =6 0nsf; BCDI =6 	Opsf: h=25ft: Cat_II: Ex	p B. Enclosed: MWERS (envelope) and C-C Exterior (2) zone:

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

Unbalanced snow loads have been considered for this design.

5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with 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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

7) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2 and 6. This connection is for uplift only and does not consider lateral forces.

8) This truss is designed in accordance with the 2015 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	
Boyer	AE	Common Supported Gable	2	1	Job Reference (optional)

Run: 8.5 S 0 Jan 6 2022 Print: 8.500 S Jan 6 2022 MiTek Industries, Inc. Mon Apr 11 07:40:34 Page: 1 ID:Ca?HIFX92LIDbGxyonx_aszRt5U-OsNsbWJNQVpMksgCv84S1s9XfR2v3Hf0li7RjvzRt3B

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

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

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

Installation guide.



Scale = 1:47.1

Plate Offsets (X, Y): [16:0-3-0,0-3-0]

	. ,		-									_	
Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.14	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.13	Vert(CT)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	12	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH									
BCDL	10.0										Weight: 107 lb	FT = 20%	

BRACING TOP CHORD

BOT CHORD

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3

REACTIONS All bearings 23-11-0.

(lb) - Max Horiz 2=42 (LC 15), 23=42 (LC 15)

Max Uplift All uplift 100 (lb) or less at joint(s) 2, 12, 14, 15, 16, 17, 19, 20, 21, 22, 23, 27

Max Grav All reactions 250 (lb) or less at joint(s) 2, 12, 15, 16, 17, 18, 19, 20, 21, 23, 27 except 14=311 (LC 34), 22=311 (LC 33)

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

FORCES

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone;

cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
 Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

- TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10
- 5) Unbalanced snow loads have been considered for this design.

6) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 13.9 psf on overhangs non-concurrent with other live loads.

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

8) Gable requires continuous bottom chord bearing.

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

- 10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
- 11) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 2, 19, 20, 21, 22, 17, 16, 15, 14, and 12. This connection is for uplift only and does not consider lateral forces.

12) This truss is designed in accordance with the 2015 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	
Boyer	V	Valley	1	1	Job Reference (optional)

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Structural wood sheathing directly applied or 10-0-0 oc purlins.

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

20-0-0





Scale = 1:38.6

Loading	(psf)	Spacing	1-11-4	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.53	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.27	Vert(TL)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.15	Horiz(TL)	-0.02	5	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH									
BCDL	10.0										Weight: 67 lb	FT = 20%	

BRACING TOP CHORD

BOT CHORD

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.3

REACTIONS All bearings 20-0-0.

(lb) - Max Horiz 1=31 (LC 15)

Max Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 6, 9, 14

Max Grav All reactions 250 (lb) or less at joint(s) 1, 5, 14 except 6=474

(LC 33), 8=642 (LC 2), 9=464 (LC 32)

- (lb) Max. Comp./Max. Ten. All forces 250 (lb) or less except when shown. FORCES
- TOP CHORD 1-2=-163/758, 2-15=-96/688, 3-15=-87/737, 3-16=-82/720, 4-16=-91/654, 4-5=-160/748
- BOT CHORD 1-9=-672/192, 8-9=-672/192, 7-8=-659/188, 6-7=-659/188, 5-6=-659/188

WEBS 3-8=-612/149, 2-9=-319/165, 4-6=-326/170

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 3)

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

Gable requires continuous bottom chord bearing. 5)

6)

This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1. 7)

8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 6. This connection is for uplift only and does not consider lateral forces.

9) This truss is designed in accordance with the 2015 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	
Boyer	VA	Valley	1	1	Job Reference (optional)

8-0-12

8-0-12

Carter Components - Sanford, Sanford, NC, user

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15-3-1

7-2-5

16-1-8





Scale = 1:32.8

Loading	(nef)	Spacing	2_0_0	691		DEEL	in	(loc)	l/dofl	L/d		GRIP	
Loading	(p3i)	opacing	2-0-0	001				(100)	i/ueii	L/U			
ICLL (root)	20.0	Plate Grip DOL	1.15	IC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190	
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.18	Vert(TL)	n/a	-	n/a	999			
TCDL	10.0	Rep Stress Incr	YES	WB	0.11	Horiz(TL)	-0.01	5	n/a	n/a			
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MSH									
BCDL	10.0										Weight: 52 lb	FT = 20%	

LUMBER TOP CHORD BOT CHORD OTHERS REACTIONS AII (Ib) - Ma Ma Ma	2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 bearings 16-1-8. x Horiz 1=25 (LC 15) x Uplift All uplift 100 (lb) or less at joint(s) 1, 5, 6, 9, 14 x Grav All reactions 250 (lb) or less at joint(s) 1 except 6=391 (LC 33), 8=557 (LC 2), 9=360 (LC 32)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 10-0-0 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.
FORCES TOP CHORD	(lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when show 1-2=-112/500, 2-15=-58/453, 3-15=-50/499, 3-16=-44/481, 4-16=-53/414,	vn. 4-5=-107/490	

BOT CHORD 1-9=-440/132, 8-9=-440/132, 7-8=-427/128, 6-7=-427/128, 5-6=-427/128

WEBS 3-8=-496/145, 2-9=-263/144, 4-6=-273/146

NOTES

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

2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
 3) TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) Gable requires continuous bottom chord bearing.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 100 lb uplift at joint(s) 1, 5, 5.

8) One RT7A MiTek connectors recommended to connect truss to bearing walls due to UPLIFT at jt(s) 9 and 6. This connection is for uplift only and does not consider lateral forces.

9) This truss is designed in accordance with the 2015 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	
Boyer	VB	Valley	1	1	Job Reference (optional)

2-0-8

Loading

TCDL

BCLL

BCDL

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LUMBER TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 REACTIONS (lb/size) 1=58/12-1-8, (min. 0-1-8), 3=65/12-1-8, (min. 0-1-8), 4=698/12-1-8, (min. 0-1-8) Max Horiz 1=19 (LC 15) Max Uplif 1=-9 (LC 33), 3=-12 (LC 16) Max Grav 1=112 (LC 32) 3=-119 (LC 33) 4=825 (LC 2)	BRACING TOP CHORD BOT CHORD	Structural wood sheathing directly applied or 10-0-0 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.
FORCES (lb) - Max. Comp./Max. Ten All forces 250 (lb) or less except when shown TOP CHORD 1-9=-168/488, 2-9=-146/537, 2-10=-136/514, 3-10=-147/465 BOT CHORD 1-4=-463/194, 3-4=-441/185 WEBS 2-4=-614/255 NOTES 1) Unbalanced roof live loads have been considered for this design.		

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 3)

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

5) Gable requires continuous bottom chord bearing.

This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 6) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 9 lb uplift at joint 1 and 12 lb uplift at joint 3. 7)

8) This truss is designed in accordance with the 2015 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	
Boyer	VC	Valley	1	1	Job Reference (optional)

Run: 8.5 S 0 Jan 6 2022 Print: 8.500 S Jan 6 2022 MiTek Industries, Inc. Mon Apr 11 07:40:34 Page: 1 ID:cQCrx5niKUpN?LTozzIgO4zRt5A-OsNsbWJNQVpMksgCv84S1s9X8R1r3HL0Ii7RjyzRt3B









BRACING

TOP CHORD

BOT CHORD

2x4 🕿

Structural wood sheathing directly applied or 8-1-8 oc purlins.

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

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

8-1-8

Installation guide.

Scale = 1:23.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.20	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.06	Horiz(TL)	0.00	4	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 23 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 OTHERS 2x4 SP No.3 **REACTIONS** (lb/size) 1=63/8-1-8, (min. 0-1-8), 3=70/8-1-8, (min. 0-1-8), 4=417/8-1-8, (min. 0-1-8) Max Horiz 1=12 (LC 15) Max Uplift 1=-6 (LC 15), 3=-8 (LC 16) Max Grav 1=97 (LC 32), 3=103 (LC 33), 4=493 (LC 2) FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-9=-131/266, 2-9=-87/285, 2-10=-79/267 BOT CHORD 1-4=-252/130 WEBS 2-4=-313/145

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; 2) cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate 3)

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10

4) Unbalanced snow loads have been considered for this design.

Gable requires continuous bottom chord bearing. 5)

This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and 6) any other members.

Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 1 and 8 lb uplift at joint 3. 7)

8) This truss is designed in accordance with the 2015 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	
Boyer	VD	Valley	1	1	Job Reference (optional)

Run: 8.5 S 0 Jan 6 2022 Print: 8.500 S Jan 6 2022 MiTek Industries, Inc. Mon Apr 11 07:40:34 Page: 1 ID:RaZ6C8rTwKaXjGwyJEP4dLzRt54-OsNsbWJNQVpMksgCv84S1s9YSR2N3HI0Ii7RjyzRt3B







3x5 =

Scale = 1:23.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.15	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
Snow (Pf/Pg)	13.9/20.0	Lumber DOL	1.15	BC	0.16	Vert(TL)	n/a	-	n/a	999		
TCDL	10.0	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCLL	0.0*	Code	IRC2015/TPI2014	Matrix-MP								
BCDL	10.0										Weight: 10 lb	FT = 20%

LUMBER

TOP CHORD2x4 SP No.2BOT CHORD2x4 SP No.2

REACTIONS (lb/size) 1=140/4-1-8, (min. 0-1-8), 3=140/4-1-8, (min. 0-1-8)

Max Horiz 1=-5 (LC 20)

Max Uplift 1=-2 (LC 11), 3=-2 (LC 12)

Max Grav 1=165 (LC 2), 3=165 (LC 2)

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

TOP CHORD 1-2=-357/151, 2-3=-346/150

BOT CHORD 1-2--337/131, 2 BOT CHORD 1-3=-131/358

NOTES

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

Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=103mph; TCDL=6.0psf; BCDL=6.0psf; h=25ft; Cat. II; Exp B; Enclosed; MWFRS (envelope) and C-C Exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.33
 TCLL: ASCE 7-10; Pr=20.0 psf (roof live load: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Category II: Exp B; Enclosed; Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15 Plate DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (flat roof snow: Lumber DOL=1.15); Pg=20.0 psf (ground snow); Pf=13.9 psf (ground snow); Pf=13.9 psf (ground snow); Pf=

DOL=1.15); Category II; Exp B; Fully Exp.; Ct=1.10; Min. flat roof snow load governs.

4) Unbalanced snow loads have been considered for this design.

5) Gable requires continuous bottom chord bearing.

6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 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 2 lb uplift at joint 1 and 2 lb uplift at joint 3.

8) This truss is designed in accordance with the 2015 International Residential Code sections R502.11.1 and R802.10.2 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

BRACING TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 4-1-8 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.

