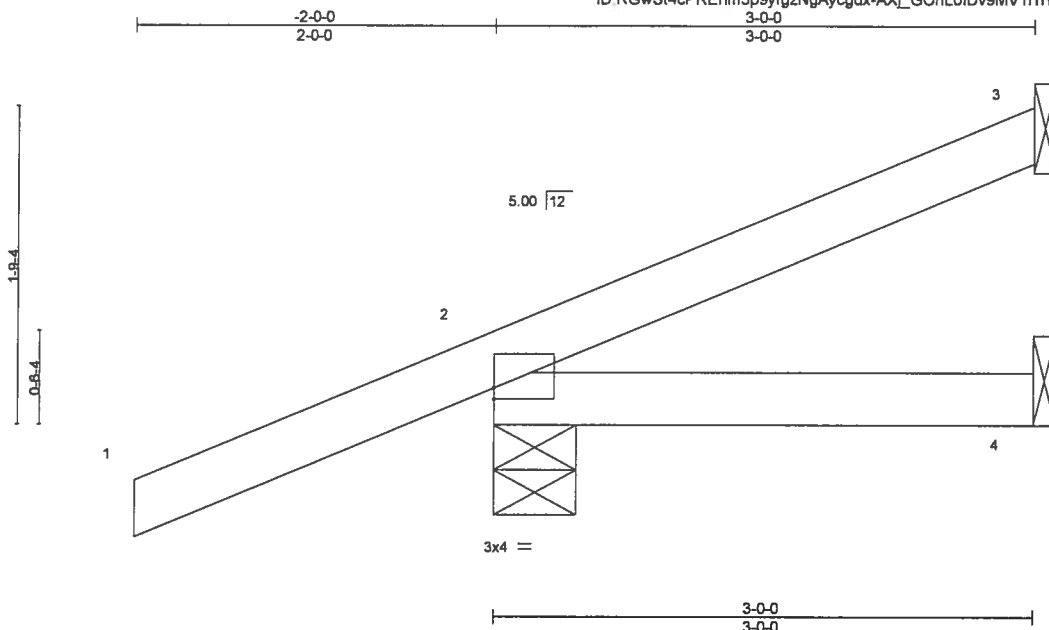


Job 2140857	Truss CJ3	Truss Type Jack-Open	Qty 4	Ply 1	Bruce Hart - Hanger 2	T18427995
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Builders FirstSource,

Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:31 2019 Page 1
 ID:RGwSt4cPREnm5p9yfgzNgAycgdx-AXj_GOhL0IDv9MV11iYqZE675vKickQ1QsJ6hyRFK2



Scale = 1:12.4

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.26	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCOL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MP						Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 3=59/Mechanical, 2=278/0-5-8, 4=17/Mechanical

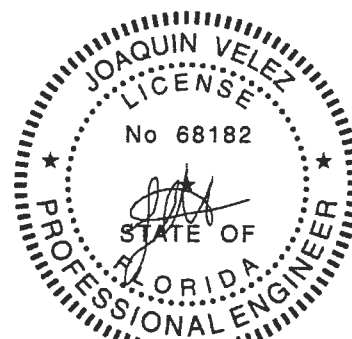
Max Horz 2=44(LC 8)

Max Uplift 3=-19(LC 12), 2=-51(LC 8)

Max Grav 3=59(LC 1), 2=278(LC 1), 4=48(LC 3)

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

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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 2-0-0 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 100 lb uplift at joint(s) 3, 2.



Joaquin Velez PE No.68182
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

October 21, 2019

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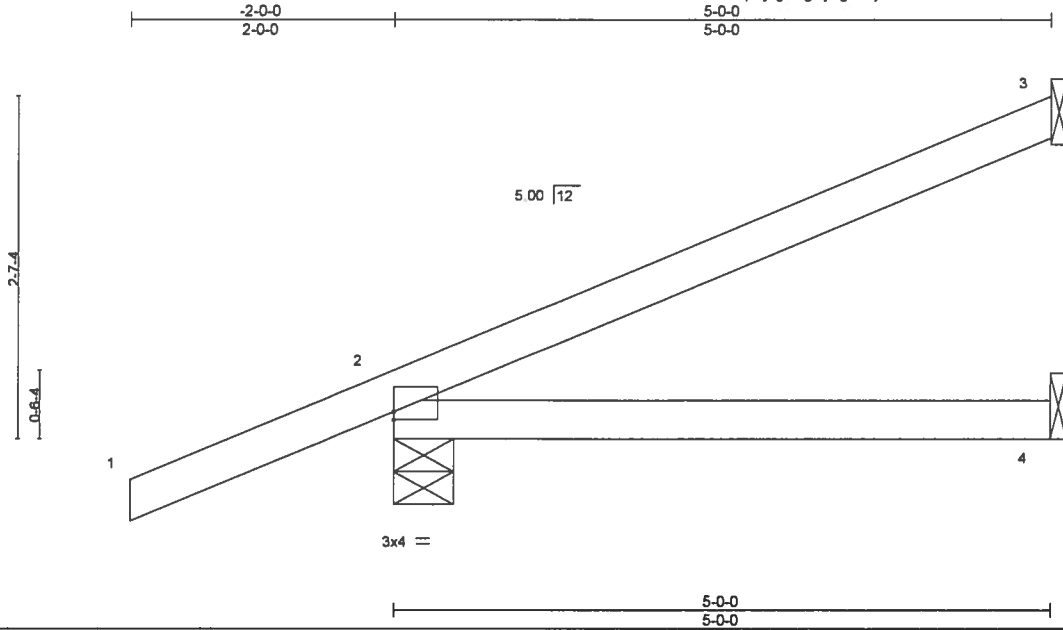
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



6904 Parke East Blvd.
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Job 2140857	Truss CJ5	Truss Type Jack-Open	Qty 4	Ply 1	Bruce Hart - Hanger 2	T18427996
Builders FirstSource, Lake City, FL						Job Reference (optional)

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 13 32 2019 Page 1
ID.RGwSt4cPREnm5p9yfgzNgAycgdx-fjHMUkhznBLmnW4DIIEnNmHIVDnT3_ZF4bs7yRFK1



Scale = 1/16" = 1'

Plate Offsets (X,Y)– [2:0-0-0,0-0-12]										
LOADING (psf)		SPACING- 2-0-0		CSI.	DEFL. in (loc) l/defl L/d			PLATES	GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.30	Vert(LL)	-0.02 4-7 >999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.24	Vert(CT)	-0.05 4-7 >999	180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.00	Horz(CT)	0.01 3 n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP					Weight: 19 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

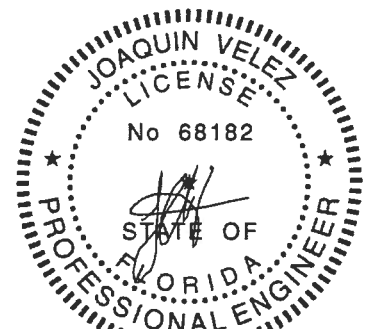
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5'-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0-0 oc bracing.

REACTIONS. (lb/size) 3=122/Mechanical, 2=342/0-5-8, 4=51/Mechanical
Max Horz 2=62(LC 12)
Max Uplift 3=-36(LC 12), 2=-44(LC 8)
Max Grav 3=122(LC 1), 2=342(LC 1), 4=89(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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" tall by 2'-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 100 lb uplift at joint(s) 3, 2.



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Date:

October 21, 2019

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Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18427997
2140857	EJ7	Jack-Open	2	1		
Job Reference (optional)						

Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:33 2019 Page 1
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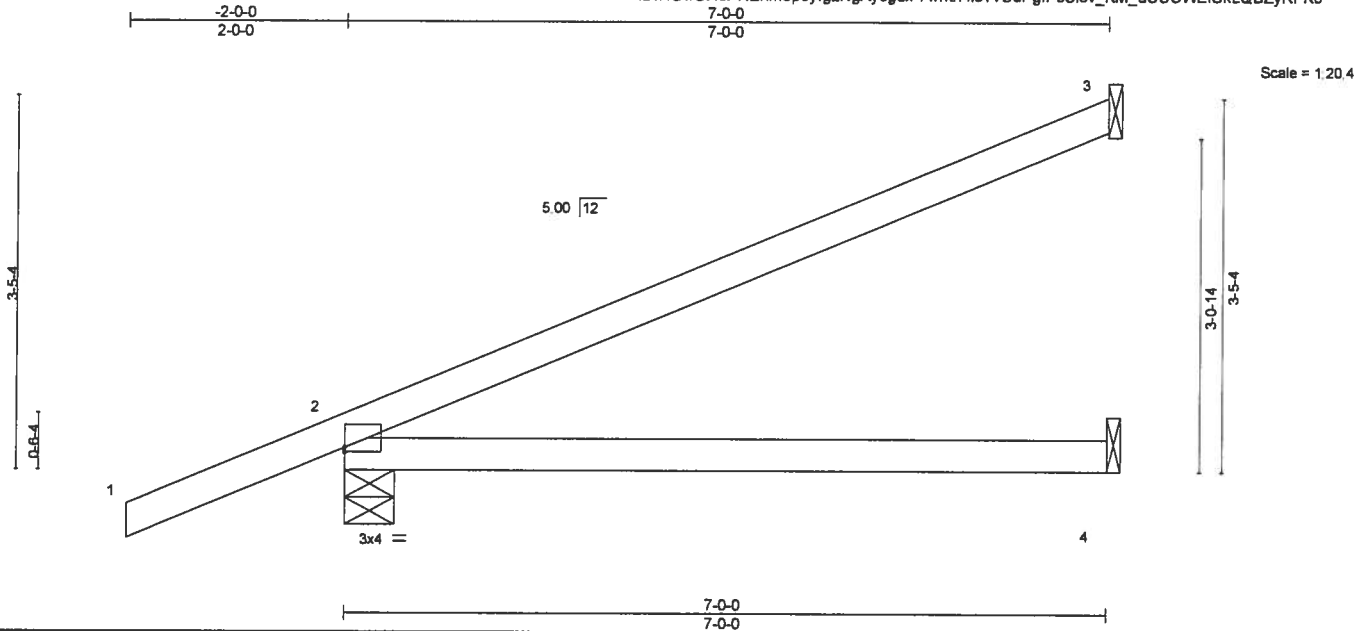


Plate Offsets (X,Y) - [2:0-0-0,0-0-8]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	-0.10	4-7	>861	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.53	Vert(CT)	-0.22	4-7	>370	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.02	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						Weight: 25 lb	FT = 20%

LUMBER-

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

BRACING-

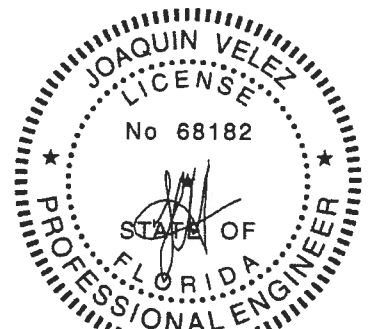
TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS. (lb/size) 3=180/Mechanical, 2=415/0-5-8, 4=80/Mechanical
Max Horz 2=81(LC 12)
Max Uplift 3=52(LC 12), 2=41(LC 8)
Max Grav 3=180(LC 1), 2=415(LC 1), 4=128(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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" tall by 2'-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 100 lb uplift at joint(s) 3, 2.



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MiTek USA, Inc. FL Cert 6634
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Date:

October 21, 2019

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Job 2140857	Truss EJ9	Truss Type Jack-Partial	Qty 17	Ply 1	Bruce Hart - Hanger 2	T18427998
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Builders FirstSource,

Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 13 33 2019 Page 1
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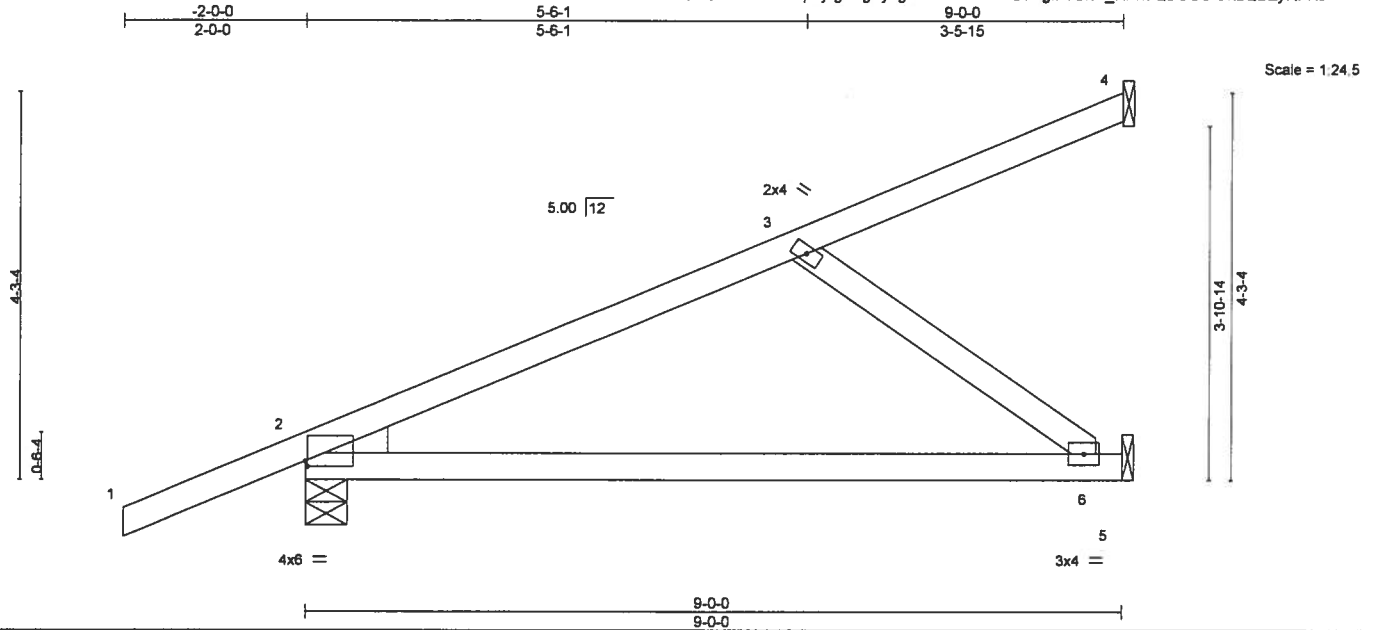


Plate Offsets (X,Y) - [2:0-0-4,0-0-12]									
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.23	6-9	>466	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.81	Vert(CT)	-0.47	6-9	>227	180	GRIP
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.02	2	n/a	n/a	244/190
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS						Weight: 38 lb
									FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3

BRACING-

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

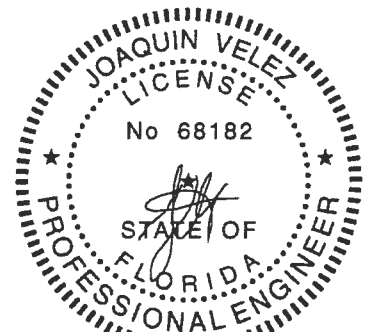
REACTIONS. (lb/size) 4=66/Mechanical, 2=491/0-5-8, 5=278/Mechanical
Max Horz 2=100(LC 12)
Max Uplift 4=24(LC 12), 2=40(LC 12), 5=31(LC 12)

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

TOP CHORD 2-3=350/84
BOT CHORD 2-6=181/289
WEBS 3-6=358/224

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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 2-0-0 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 100 lb uplift at joint(s) 4, 2, 5.



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Date:

October 21, 2019

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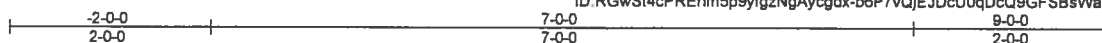
Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18427999
2140857	EJ9A	Jack-Closed Girder	2	1		

Builders FirstSource,

Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:34 2019 Page 1

ID:RGwSi4cPREnm5p9yfgzNgAycgdx-b6P7vQJEJdCU0qDcQ9GFSBsWals2xwrsjO4zjOyRFK?



4x4 =

2x4 ||

Scale = 1.22 1

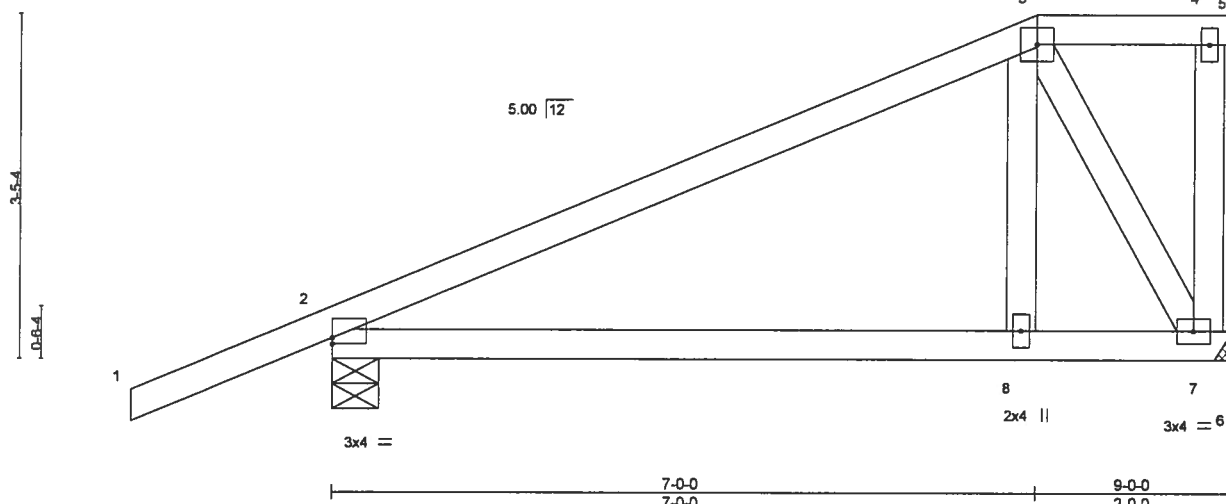


Plate Offsets (X,Y)- [2:0-0-0,0-0-12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.76	Vert(LL)	-0.05	8-11	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.45	Vert(CT)	-0.12	8-11	>906	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.23	Horz(CT)	0.01	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS							
									Weight: 44 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (lb/size) 2=584/0-5-8, 7=736/Mechanical
Max Horz 2=82(LC 8)
Max Uplift 2=62(LC 8), 7=102(LC 8)

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

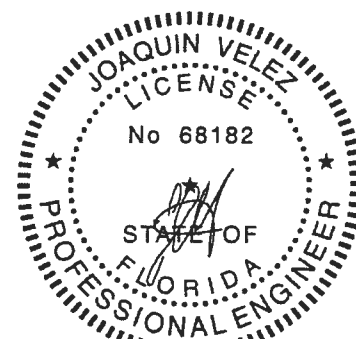
TOP CHORD 2-3=539/39
BOT CHORD 2-8=57/413, 7-8=57/392
WEBS 3-8=0/562, 3-7=814/119

NOTES-

- 1) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 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 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 7=102.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 224 lb down and 143 lb up at 7-0-0 on top chord, and 295 lb down and 37 lb up at 7-0-0 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).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-5=-20, 6-9=-20
Concentrated Loads (lb)
Vert: 8=-266(F) 3=-224(F)



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

October 21,2019

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Tampa, FL 33610

Job 2140857	Truss HJ10	Truss Type Diagonal Hip Girder	Qty 2	Ply 1	Bruce Hart - Hanger 2	T18428000
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Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:36 2019 Page 1
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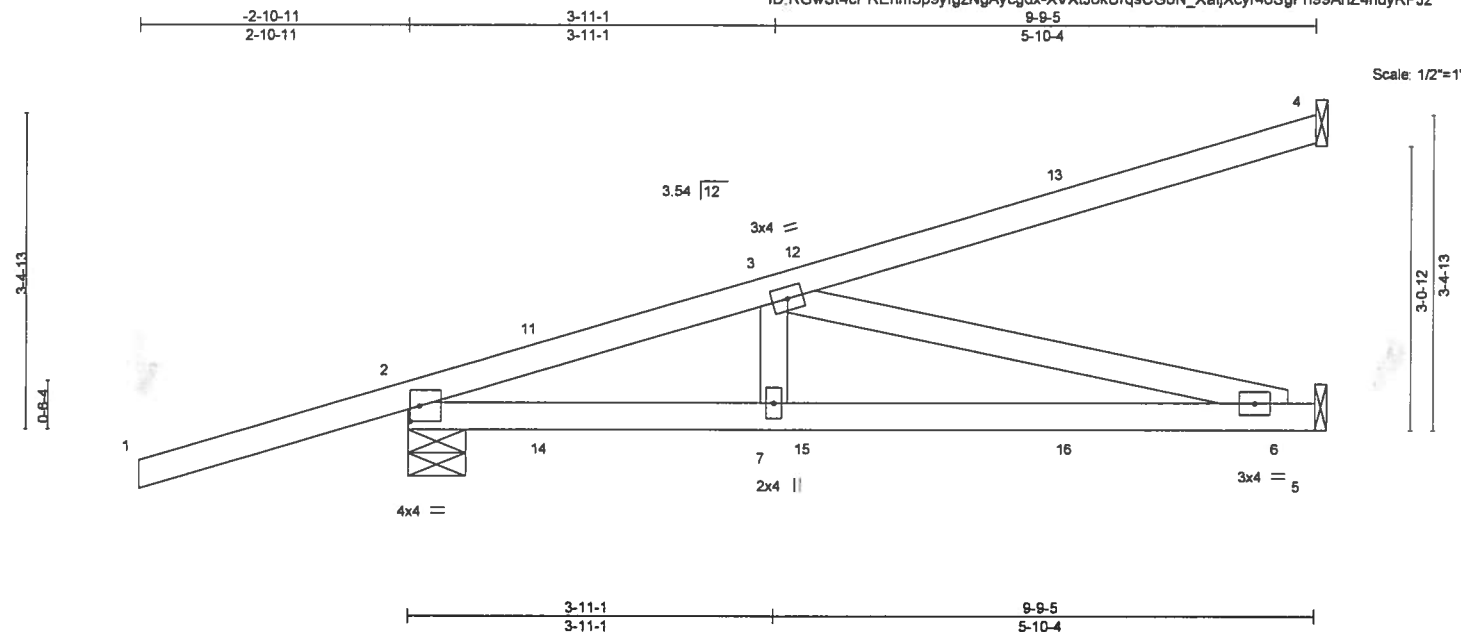


Plate Offsets (X,Y) - [2:0-1-4,0-2-0]		3-11-1		9-9-5	
LOADING (psf)		SPACING- 2-0-0		CSI.	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82
TCDL	10.0	Lumber DOL	1.25	BC	0.76
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44
BCDL	10.0	Code	FBC2017/TP12014	Matrix-MS	
				DEFL.	in (loc) l/defl L/d
				Vert(LL)	-0.08 6-7 >999 240
				Vert(CT)	-0.18 6-7 >635 180
				Horz(CT)	-0.02 4 n/a n/a
				PLATES	GRIP
				MT20	244/190
				Weight: 44 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(lb/size) 4=189/Mechanical, 2=484/0-7-6, 5=234/Mechanical
Max Horz 2=94(LC 4)
Max Uplift 4=55(LC 4), 2=127(LC 4), 5=10(LC 8)
Max Grav 4=189(LC 1), 2=484(LC 1), 5=264(LC 3)

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

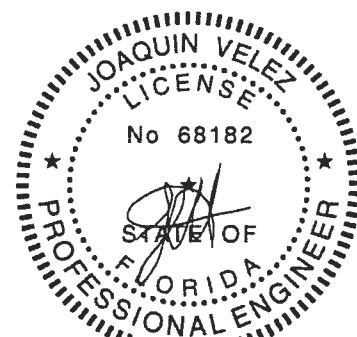
TOP CHORD 2-3=686/82
BOT CHORD 2-7=118/638, 6-7=118/638
WEBS 3-6=658/121

NOTES-

- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope); 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 2-0-0 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 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=127.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 42 lb down and 119 lb up at 1-6-1, 42 lb down and 119 lb up at 1-6-1, 24 lb down and 21 lb up at 4-4-0, 24 lb down and 21 lb up at 4-4-0, and 52 lb down and 47 lb up at 7-1-15, and 52 lb down and 47 lb up at 7-1-15 on top chord, and 16 lb down and 76 lb up at 1-6-1, 16 lb down and 76 lb up at 1-6-1, 23 lb down and 4 lb up at 4-4-0, 23 lb down and 4 lb up at 4-4-0, and 40 lb down at 7-1-15, and 40 lb down at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=60, 5-8=20
Concentrated Loads (lb)
Vert: 11=77(F=38, B=38) 13=74(F=37, B=37) 14=78(F=39, B=39) 15=8(F=4, B=4) 16=46(F=23, B=23)



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

October 21, 2019

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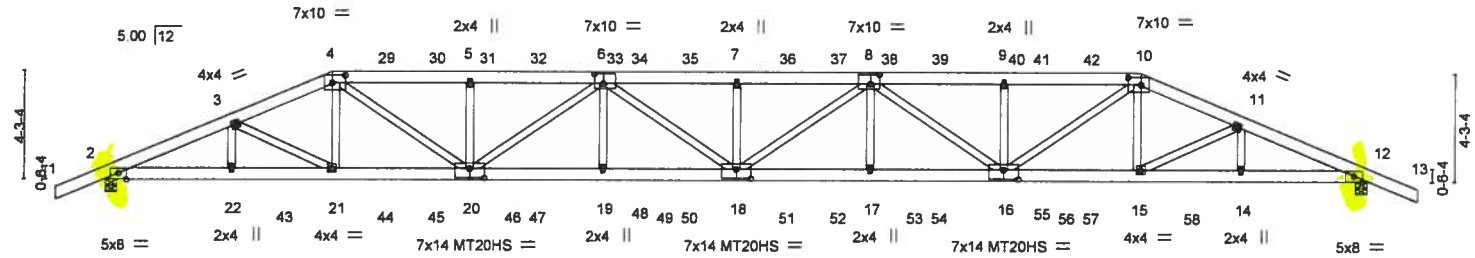
6904 Parke East Blvd.
Tampa, FL 33610

Job 2140857	Truss T01	Truss Type Hip Girder	Qty 1	Ply 2	Bruce Hart - Hanger 2	T18428001
Builders FirstSource, Lake City, FL						

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 13 43 2019 Page 1
ID:RGwSt4cPREnm5p9yfgzNgAycgdx-qrSWnVqtB_kCbCQKSYwMJ4kAOwubYqTBnHmyX_yRFJs

2-0-0	5-0-4	9-0-0	14-5-3	19-8-9	25-0-0	30-3-7	35-6-13	41-0-0	44-11-12	50-0-0	52-0-0
2-0-0	5-0-4	3-11-12	5-5-3	5-3-7	5-3-7	5-3-7	5-3-7	5-5-3	3-11-12	5-0-4	2-0-0

Scale = 1:88.0



5-0-4	9-0-0	14-5-3	19-8-9	25-0-0	30-3-7	35-6-13	41-0-0	44-11-12	50-0-0
5-0-4	3-11-12	5-5-3	5-3-7	5-3-7	5-3-7	5-3-7	5-5-3	3-11-12	5-0-4

Plate Offsets (X,Y)~ [2:0-4,0,Edge], [4:0-6-4,0-3-8], [6:0-4-4,0-4-8], [8:0-4-4,0-4-8], [10:0-6-4,0-3-8], [12:0-4-0,Edge], [16:0-7-0,0-4-8], [18:0-7-0,0-4-8], [20:0-7-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.54	18	>999	240	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.55	Vert(CT)	-1.10	18	>547	180	187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.91	Horz(CT)	0.24	12	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
Weight: 709 lb									FT = 20%

LUMBER-

TOP CHORD 2x6 SP M 26
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-11-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

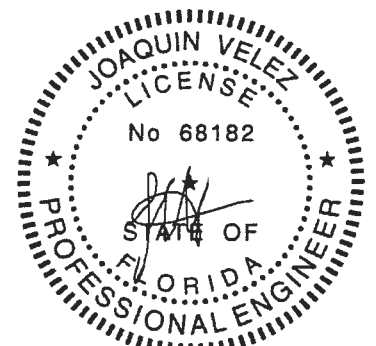
(lb/size) 2=5122/0-5-8, 12=5122/0-5-8
Max Horz 2=39(LC 32)
Max Uplift 2=699(LC 4), 12=699(LC 5)

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

TOP CHORD 2-3=-11899/1627, 3-4=-11618/1642, 4-5=-14636/2106, 5-6=-14636/2106,
6-7=-17813/2570, 7-8=-17813/2570, 8-9=-14636/2106, 9-10=-14636/2106,
10-11=-11619/1642, 11-12=-11899/1627
BOT CHORD 2-22=-1446/10894, 21-22=-1446/10894, 20-21=-1452/10766, 19-20=-2380/17025,
18-19=-2380/17025, 17-18=-2383/17025, 16-17=-2383/17025, 15-16=-1460/10766,
14-15=-1458/10894, 12-14=-1458/10894
WEBS 4-21=-155/1308, 4-20=-701/4785, 5-20=-304/98, 6-20=-2992/437, 6-19=-69/796,
6-18=-142/1019, 7-18=-330/98, 8-18=-142/1019, 8-17=-70/796, 8-16=-2991/437,
9-16=-304/98, 10-16=-701/4785, 10-15=-156/1308

NOTES- (11-12)

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf, h=18ft; Cat. II; Exp B; Encl.,
GCpi=0.18; MWFRS (envelope); Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- 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 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
2=699, 12=699.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
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Date:

October 21,2019

Continued on page 2

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MiTek

6904 Parke East Blvd
Tampa, FL 33610

Job 2140857	Truss T01	Truss Type Hip Girder	Qty 1	Ply 2	Bruce Hart - Hanger 2 T18428001
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Builders FirstSource, Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 13 43 2019 Page 2
ID.RGwSt4cPREnm5p9yfgzNgAycgdx-qrSWnVqtB_kCbCQKSYwMJ4kAOwubYqTBnHmyX_yRFJs

NOTES- (11-12)

- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 29 lb down and 27 lb up at 9-0-0, 18 lb down and 27 lb up at 11-0-12, 18 lb down and 27 lb up at 13-0-12, 18 lb down and 27 lb up at 15-0-12, 18 lb down and 27 lb up at 17-0-12, 18 lb down and 27 lb up at 19-0-12, 18 lb down and 27 lb up at 21-0-12, 18 lb down and 27 lb up at 23-0-12, 18 lb down and 27 lb up at 25-0-0, 18 lb down and 27 lb up at 26-11-4, 18 lb down and 27 lb up at 28-11-4, 18 lb down and 27 lb up at 30-11-4, 18 lb down and 27 lb up at 32-11-4, 18 lb down and 27 lb up at 34-11-4, 18 lb down and 27 lb up at 36-11-4, and 18 lb down and 27 lb up at 38-11-4, and 29 lb down and 27 lb up at 41-0-0 on top chord, and 716 lb down and 122 lb up at 7-0-12, 258 lb down and 51 lb up at 9-0-12, 258 lb down and 51 lb up at 11-0-12, 258 lb down and 51 lb up at 13-0-12, 258 lb down and 51 lb up at 15-0-12, 258 lb down and 51 lb up at 17-0-12, 258 lb down and 51 lb up at 19-0-12, 258 lb down and 51 lb up at 21-0-12, 258 lb down and 51 lb up at 23-0-12, 258 lb down and 51 lb up at 25-0-0, 258 lb down and 51 lb up at 26-11-4, 258 lb down and 51 lb up at 28-11-4, 258 lb down and 51 lb up at 30-11-4, 258 lb down and 51 lb up at 32-11-4, 258 lb down and 51 lb up at 34-11-4, 258 lb down and 51 lb up at 36-11-4, 258 lb down and 51 lb up at 38-11-4, and 258 lb down and 51 lb up at 40-11-4, and 716 lb down and 122 lb up at 42-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 11) Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
- 12) Ensure that over-all building bracing is designed by qualified engineer architect or building designer.

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=60, 4-10=60, 10-13=60, 23-26=20

Concentrated Loads (lb)

Vert: 4=10(F) 10=10(F) 21=258(F) 18=258(F) 7=10(F) 15=258(F) 29=10(F) 30=10(F) 31=10(F) 32=10(F) 33=10(F) 34=10(F) 35=10(F) 36=10(F) 37=10(F) 38=10(F) 39=10(F) 40=10(F) 41=10(F) 42=10(F) 43=716(F) 44=258(F) 45=258(F) 46=258(F) 47=258(F) 48=258(F) 49=258(F) 50=258(F) 51=258(F) 52=258(F) 53=258(F) 54=258(F) 55=258(F) 56=258(F) 57=258(F) 58=716(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 10/03/2015 BEFORE USE.

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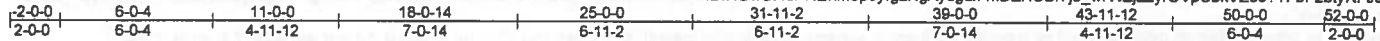
6904 Parke East Blvd
Tampa, FL 36610

Job 2140857	Truss T02	Truss Type Hip	Qty 1	Ply 1	Bruce Hart - Hanger 2	T18428002
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Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:45 2019 Page 1

ID:RGwSI4cPREnm5p9yfgzNgAycgdx-mDZHCB7jb_wrWZjZyrOVpUbkVZ0o?TFbF2btyRFJq



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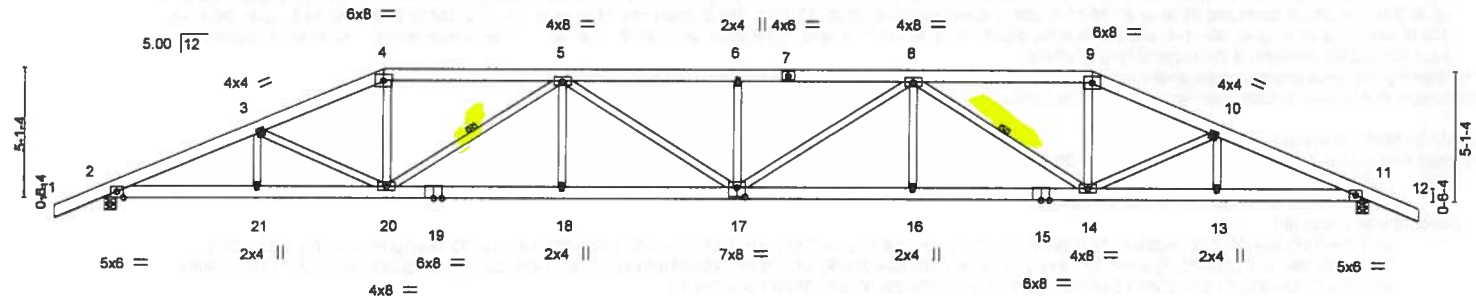


Plate Offsets (X,Y) -	[2:0-3-0,Edge], [11:0-3-0,Edge], [17:0-4-0,0-4-8]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	-0.42	17	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.83	Vert(CT)	-0.85	17	>708	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.59	Horz(CT)	0.23	11	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-MS							
									Weight: 349 lb	FT = 20%

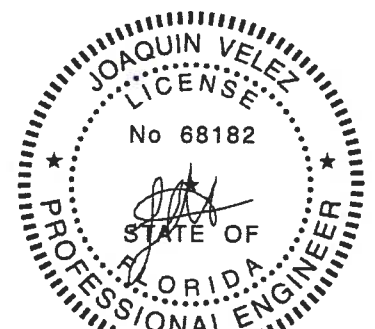
LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-10 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-0-4 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-20, 8-14

REACTIONS. (lb/size) 2=2120/0-5-8, 11=2120/0-5-8
Max Horz 2=46(LC 16)
Max Uplift 2=185(LC 8), 11=185(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=4465/1132, 3-4=4057/1053, 4-5=3743/1010, 5-6=5399/1408, 6-8=5399/1408,
8-9=3743/1010, 9-10=4057/1053, 10-11=4465/1131
BOT CHORD 2-21=936/4066, 20-21=936/4066, 18-20=1118/4991, 17-18=1118/4991,
16-17=1122/4991, 14-16=1122/4991, 13-14=958/4066, 11-13=958/4066
WEBS 3-20=407/167, 4-20=253/1185, 5-20=1595/372, 5-18=0/271, 5-17=116/572,
6-17=402/168, 8-17=116/572, 8-16=0/271, 8-14=1595/372, 9-14=252/1185,
10-14=407/167

NOTES- (7-8)

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 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 2-0-0 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 100 lb uplift at joint(s) except (jt=lb) 2=185, 11=185.
- 7) Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
- 8) Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



Joaquin Velez PE No.68182
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6904 Parke East Blvd. Tampa FL 33610
Date:

October 21,2019

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6904 Parke East Blvd
Tampa, FL 33610

Job 2140857	Truss T03	Truss Type Hip	Qty 1	Ply 1	Bruce Hart - Hanger 2	T18428003
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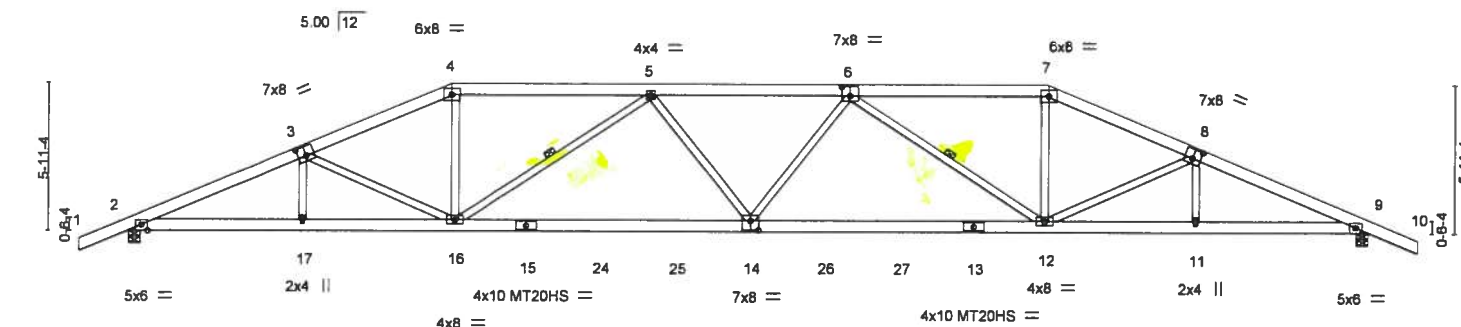
Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:46 2019 Page 1

ID:RGwSi4cPREnm5p9yfgzNgAycgdx-EQ7fQXslUv6nTg8v7hU4xjMeJ8pclFRdUF_c7JyRFJp

2-0-0	7-0-4	13-0-0	21-0-0	29-0-0	37-0-0	42-11-12	50-0-0	52-0-0
2-0-0	7-0-4	5-11-12	8-0-0	8-0-0	8-0-0	5-11-12	7-0-4	2-0-0

Scale = 1:89.4



7-0-4	13-0-0	25-0-0	37-0-0	42-11-12	50-0-0
7-0-4	5-11-12	12-0-0	12-0-0	5-11-12	7-0-4

Plate Offsets (X,Y) - [2:0-3-0,Edge], [3:0-4-0,0-4-8], [6:0-4-0,0-4-8], [8:0-4-0,0-4-8], [9:0-3-0,Edge], [14:0-4-0,0-4-8]

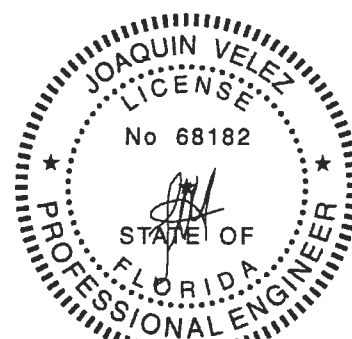
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.39	Vert(LL) -0.34	14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.97	Vert(CT) -0.73	12-14	>823	180	MT20HS	187/143
BCLL 0.0 *	Rep Stress Incr YES	WB 0.58	Horz(CT) 0.21	9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS						
							Weight: 338 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD 2x6 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 3-2-12 oc purlins.
BOT CHORD 2x6 SP No.2		BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 2x4 SP No.3		WEBS	1 Row at midpt 5-16, 6-12

REACTIONS.	(lb/size) 2=2120/0-5-8, 9=2120/0-5-8
	Max Horz 2=-53(LC 13)
	Max Uplift 2=-172(LC 8), 9=-172(LC 9)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-4436/1141, 3-4=-3905/1021, 4-5=-3569/982, 5-6=-4545/1197, 6-7=-3569/982, 7-8=-3905/1021, 8-9=-4436/1141
BOT CHORD	2-17=-939/4034, 16-17=-939/4032, 14-16=-1001/4457, 12-14=-1002/4457, 11-12=-959/4032, 9-11=-958/4034
WEBS	3-16=-554/231, 4-16=-220/1079, 5-16=-1207/302, 5-14=0/309, 6-14=0/309, 6-12=-1207/302, 7-12=-220/1079, 8-12=-554/231

- NOTES-** (8-9)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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.
 - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=172, 9=172.
 - Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
 - Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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October 21, 2019

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6904 Parke East Blvd
Tampa, FL 33610

Job 2140857	Truss T04	Truss Type Hip	Qty 1	Ply 1	Bruce Hart - Hanger 2	T18428004
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Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 13 48 2019 Page 1

ID:RGwSt4cPREnm5p9yfgzNgAycgdx-BoFPrCu00WMV_LIE6WY08R_axXbD46wxZTiCCyRFJn

2-0-0	7-7-4	15-0-0	21-8-0	28-4-0	35-0-0	42-4-12	50-0-0	52-0-0
2-0-0	7-7-4	7-4-12	6-8-0	6-8-0	6-8-0	7-4-12	7-7-4	2-0-0

Scale = 1:89.4

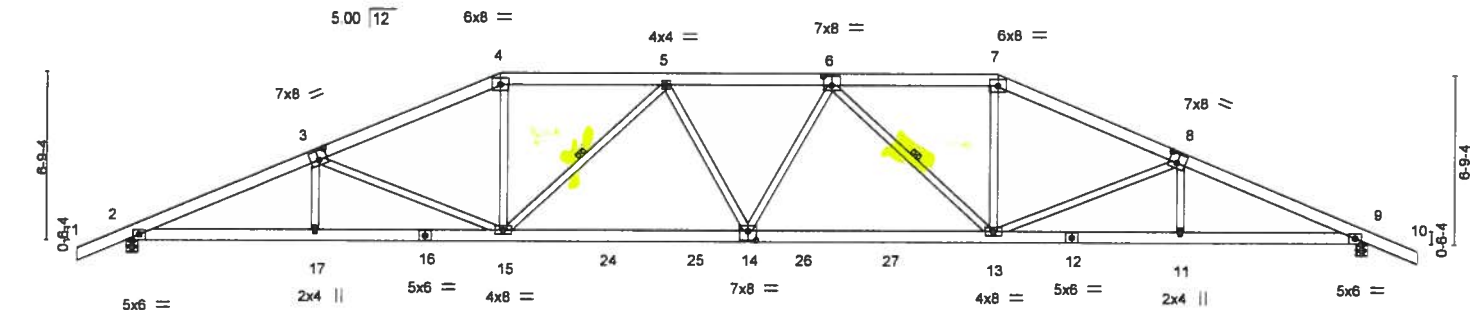


Plate Offsets (X,Y)-	[2:0-3-0,Edge], [3:0-4-0,0-4-8], [6:0-4-0,0-4-8], [8:0-4-0,0-4-8], [9:0-3-0,Edge], [14:0-4-0,0-4-8]
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LOADING (psf)	SPACING-	CS.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.40	Vert(LL) -0.29	14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.81	Vert(CT) -0.60	14-15	>996	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.95	Horz(CT) 0.20	9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS					Weight: 345 lb	FT = 20%

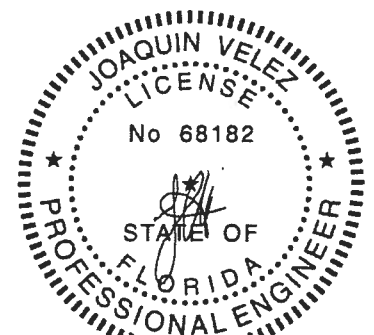
LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-6-6 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-15, 6-13

REACTIONS. (lb/size) 2=2120/0-5-8, 9=2120/0-5-8
Max Horz 2=60(LC 17)
Max Uplift 2=160(LC 8), 9=160(LC 9)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4437/1153, 3-4=-3715/992, 4-5=-3367/961, 5-6=-3939/1086, 6-7=-3367/961,
7-8=-3715/992, 8-9=-4437/1152
BOT CHORD 2-17=-949/4033, 15-17=-950/4031, 14-15=-848/3888, 13-14=-849/3888, 11-13=-967/4031,
9-11=-967/4033
WEBS 3-17=0/270, 3-15=-754/289, 4-15=-203/997, 5-15=-868/201, 5-14=0/268, 6-14=0/268,
6-13=-868/201, 7-13=-203/997, 8-13=-754/289, 8-11=0/270

NOTES- (7-8)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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.
- 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=160, 9=160.
- Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
- Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

October 21,2019

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6904 Parke East Blvd
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428005
2140857	T05	Hip	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, FL

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ID:RGWSt4cPREnm5p9yfgzNgAycgdx-f7pn2YuenqVMK7IUop1nZL_9sL19yeG3ADDGkeyRFJm

2-0-0	9-0-4	17-0-0	25-0-0	33-0-0	40-11-12	50-0-0	52-0-0
2-0-0	9-0-4	7-11-12	8-0-0	8-0-0	7-11-12	9-0-4	2-0-0

Scale = 1:89.4

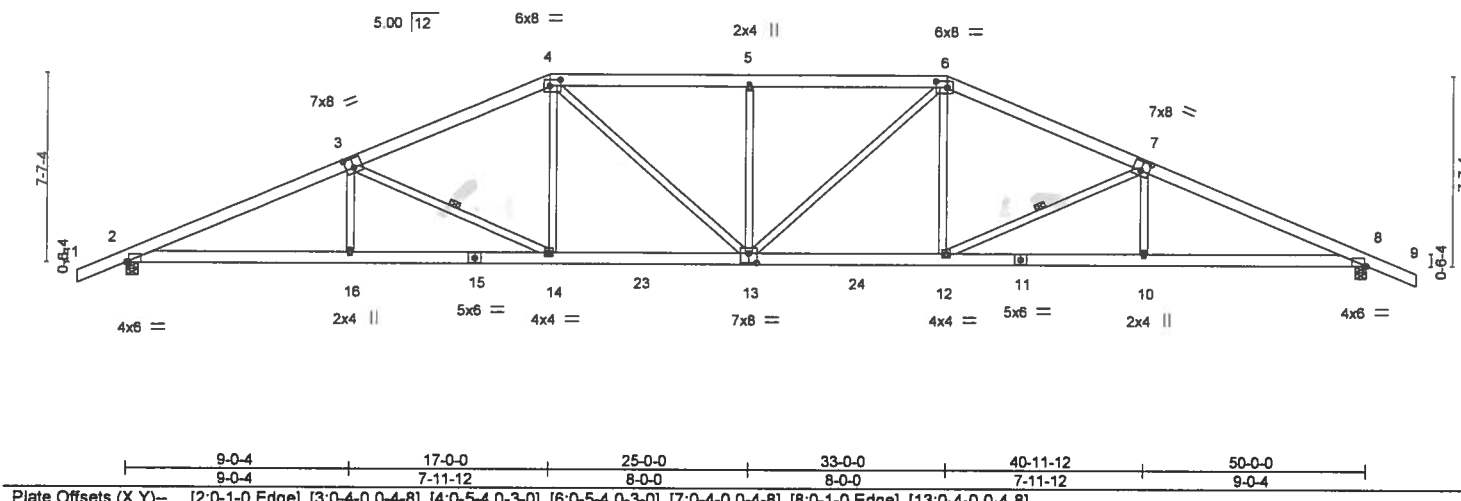


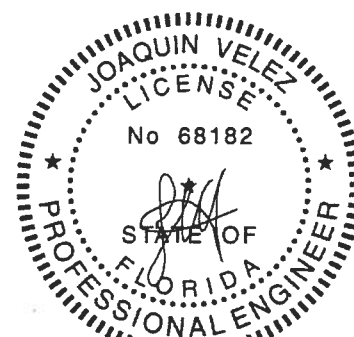
Plate Offsets (X,Y)-		[2:0-1-0,Edge], [3:0-4-0,0-4-8], [4:0-5-4,0-3-0], [6:0-5-4,0-3-0], [7:0-4-0,0-4-8], [8:0-1-0,Edge], [13:0-4-0,0-4-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43
TCDL 10.0	Lumber DOL	1.25	BC 0.79
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.51
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.26 13 >999 240
			Vert(CT) -0.52 12-13 >999 180
			Horz(CT) 0.18 8 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 347 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-2 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-6-6 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-14, 7-12

REACTIONS.	(lb/size) 2=2120/0-5-8, 8=2120/0-5-8
	Max Horz 2=67(LC 13)
	Max Uplift 2=148(LC 8), 8=148(LC 9)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-4368/1146, 3-4=-3517/968, 4-5=-3540/1031, 5-6=-3540/1031, 6-7=-3517/968, 7-8=-4368/1146
BOT CHORD	2-16=-934/3958, 14-16=-934/3955, 13-14=-651/3163, 12-13=-653/3163, 10-12=-948/3955, 8-10=-948/3958
WEBS	3-16=0/344, 3-14=-894/329, 4-14=-95/609, 4-13=-128/688, 5-13=-537/218, 6-13=-128/688, 6-12=-95/609, 7-12=-894/329, 7-10=0/344

- NOTES- (7-8)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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.
 - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=148, 8=148.
 - Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
 - Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



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Date:

October 21,2019

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2140857	Truss T06	Truss Type Hip	Qty 1	Ply 1	Bruce Hart - Hanger 2	T18428006
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Builders FirstSource, Lake City, FL

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ID RGwSI4cPREnm5p9yfgzNgAycgdx-bNxYTEwujRI4ZR1twE3Fem3U79YxQXEMdXiNpXyRFJk

2-0-0	10-0-4	19-0-0	25-0-0	31-0-0	39-11-12	50-0-0	52-0-0
2-0-0	10-0-4	8-11-12	6-0-0	6-0-0	8-11-12	10-0-4	2-0-0

Scale = 1:89.4

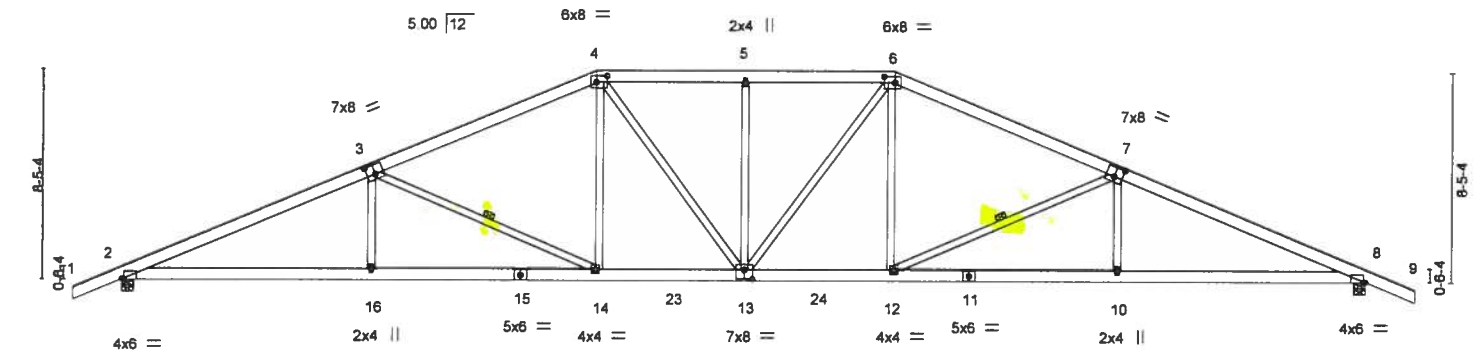


Plate Offsets (X,Y)-	[2:0-1-0,Edge], [3:0-4-0,0-4-8], [4:0-5-4,0-3-0], [6:0-5-4,0-3-0], [7:0-4-0,0-4-8], [8:0-1-0,Edge], [13:0-4-0,0-4-8]
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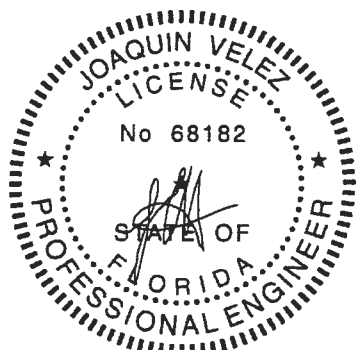
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.51	Vert(LL) -0.24	13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.84	Vert(CT) -0.48	13	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.54	Horz(CT) 0.18	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS					Weight: 353 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-6-2 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-14, 7-12

REACTIONS.	(lb/size) 2=2120/0-5-8, 8=2120/0-5-8
	Max Horz 2=-74(LC 13)
	Max Uplift 2=-147(LC 12), 8=-147(LC 13)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-4322/1147, 3-4=-3326/938, 4-5=-3138/956, 5-6=-3138/956, 6-7=-3326/938, 7-8=-4322/1146
BOT CHORD	2-16=-928/3907, 14-16=-929/3904, 13-14=-598/2972, 12-13=-599/2972, 10-12=-941/3904, 8-10=-941/3907
WEBS	3-16=0/403, 3-14=-1048/380, 4-14=-113/645, 4-13=-71/475, 5-13=-375/140, 6-13=-71/475, 6-12=-113/645, 7-12=-1048/380, 7-10=0/403

- NOTES-** (7-8)
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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.
 - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=147, 8=147.
 - Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
 - Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



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Date:

October 21,2019

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2140857	Truss T07	Truss Type Hip	Qty 1	Ply 1	Bruce Hart - Hanger 2	T18428007
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Builders FirstSource,

Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 13 52 2019 Page 1

ID:RGWSt4cPREnm5p9yfgzNgAycgdx-3aUwgaxW4fxbBc3TxaUB_cdpZvx912VsBRwLzyRFJj

2-0-0	7-1-10	14-0-13	21-0-0	29-0-0	35-11-3	42-10-6	50-0-0	52-0-0
2-0-0	7-1-10	6-11-3	6-11-3	8-0-0	6-11-3	6-11-3	7-1-10	2-0-0

Scale = 1:89.4

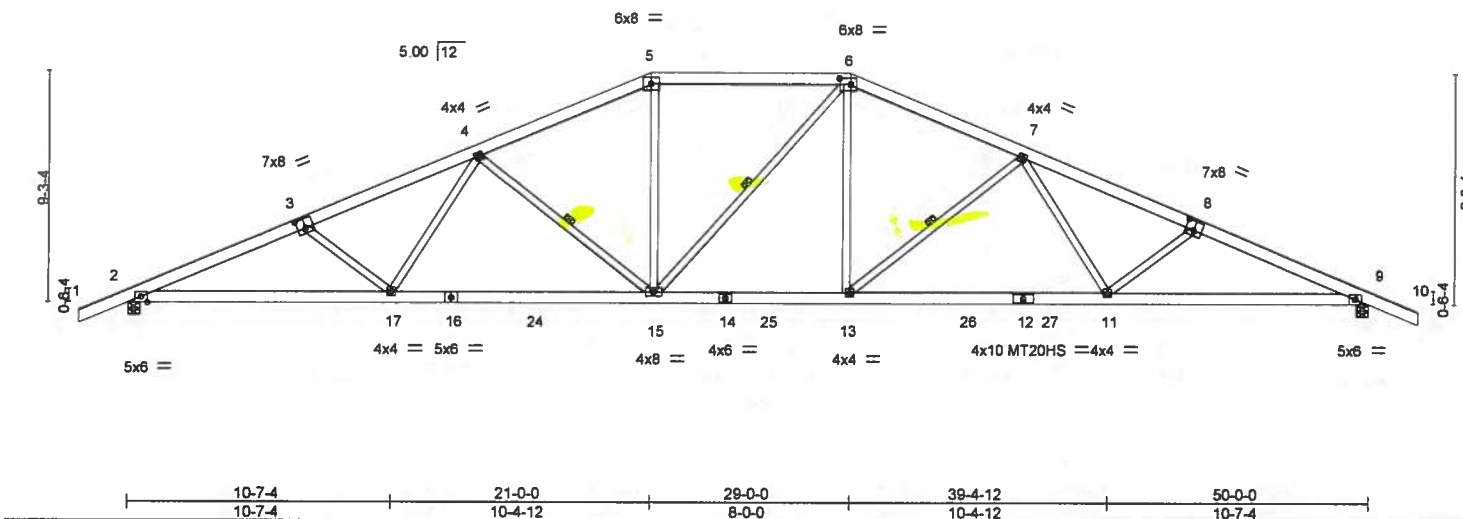


Plate Offsets (X,Y)--		[2:0-3-0,Edge], [3:0-4-0,0-4-8], [6:0-5-4,0-3-0], [8:0-4-0,0-4-8], [9:0-3-0,Edge]								
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.28 11-13 >999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.57 11-13 >999	180	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.18 9 n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS						
									Weight: 353 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-14 oc bracing.
WEBS 1 Row at midpt 4-15, 6-15, 7-13

REACTIONS.

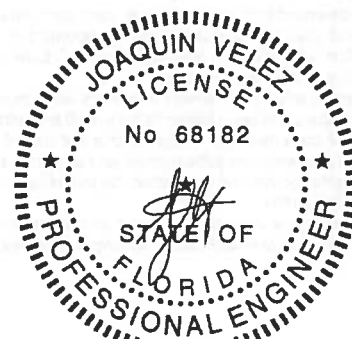
(lb/size) 2=2120/0-5-8, 9=2120/0-5-8
Max Horz 2=81(LC 13)
Max Uplift 2=155(LC 12), 9=155(LC 13)

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

TOP CHORD 2-3=-4415/1209, 3-4=-4097/1127, 4-5=-3094/918, 5-6=-2788/889, 6-7=-3092/918,
7-8=-4098/1127, 8-9=-4415/1209
BOT CHORD 2-17=-1005/4033, 15-17=-793/3425, 13-15=-543/2786, 11-13=-797/3425,
9-11=-1021/4033
WEBS 3-17=-425/229, 4-17=-96/635, 4-15=-847/334, 5-15=-161/784, 6-13=-162/819,
7-13=-849/334, 7-11=-96/637, 8-11=-425/229

NOTES- (8-9)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf, BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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.
- 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (t=lb) 2=155, 9=155.
- Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
- Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



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Date:

October 21,2019

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2140857	Truss T08	Truss Type Hip	Qty 1	Ply 1	Bruce Hart - Hanger 2	T18428008
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Builders FirstSource, Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08:13:53 2019 Page 1
ID:RGwSt4cPREnm5p9yfgzNgAycgdx-Xm2luwy9q2?oolAF1f6jjB9r5yGUuMf5rBTIPyRFJl

2-0-0	8-3-2	15-4-13	23-0-0	27-0-0	34-7-3	41-8-14	50-0-0	52-0-0
2-0-0	8-3-2	7-1-11	7-7-3	4-0-0	7-7-3	7-1-11	8-3-2	2-0-0

Scale = 1:89.4

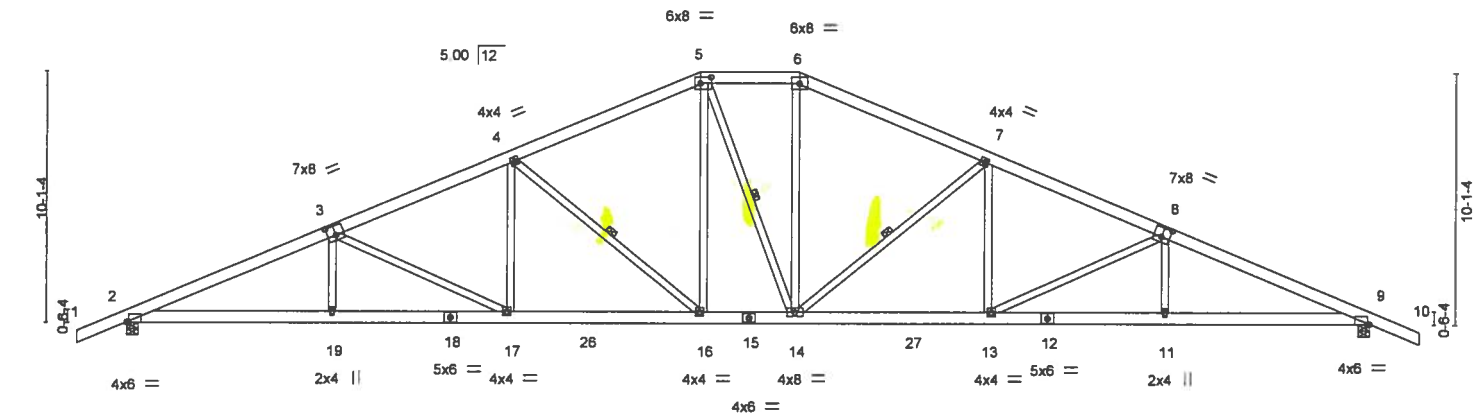


Plate Offsets (X,Y)-	[2:0-1-0,Edge], [3:0-4-0,0-4-8], [5:0-5-4,0-3-0], [8:0-4-0,0-4-8], [9:0-1-0,Edge]
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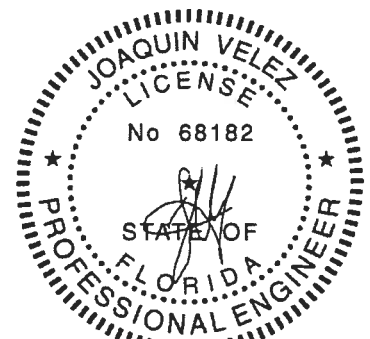
LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.42	Vert(LL)	-0.24 16-17	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.77	Vert(CT)	-0.50 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.87	Horz(CT)	0.18 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014	Matrix-MS						
							Weight: 373 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-3 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 7-4-9 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-16, 5-14, 7-14

REACTIONS. (lb/size) 2=2120/0-5-8, 9=2120/0-5-8
Max Horz 2=88(LC 13)
Max Uplift 2=164(LC 12), 9=164(LC 13)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4395/1190, 3-4=-3692/1055, 4-5=-2882/889, 5-6=-2586/866, 6-7=-2888/891,
7-8=-3689/1055, 8-9=-4396/1190
BOT CHORD 2-19=-977/3985, 17-19=-977/3983, 16-17=-756/3336, 14-16=-489/2580, 13-14=-759/3334,
11-13=-994/3984, 9-11=-993/3986
WEBS 3-19=0/297, 3-17=-733/261, 4-17=-68/558, 4-16=-1000/356, 5-16=-193/741,
5-14=-230/255, 6-14=-193/747, 7-14=-992/353, 7-13=-67/551, 8-13=-735/262,
8-11=0/299

- NOTES-** (7-8)
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=164, 9=164.
 - 7) Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
 - 8) Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



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Date:

October 21, 2019

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428009
2140857	T09	Common	5	1		

Builders FirstSource, Lake City, FL

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ID.RGwSt4cPREnm5p9yfgzNgAycgdx-T8A3JczPMgFV22Ke948BocEAamwXMFfY9gaylyRFJg

-2-0-0	9-0-5	17-0-2	25-0-0	32-11-14	40-11-11	50-0-0	52-0-0
2-0-0	9-0-5	7-11-14	7-11-14	7-11-14	7-11-14	9-0-5	2-0-0

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

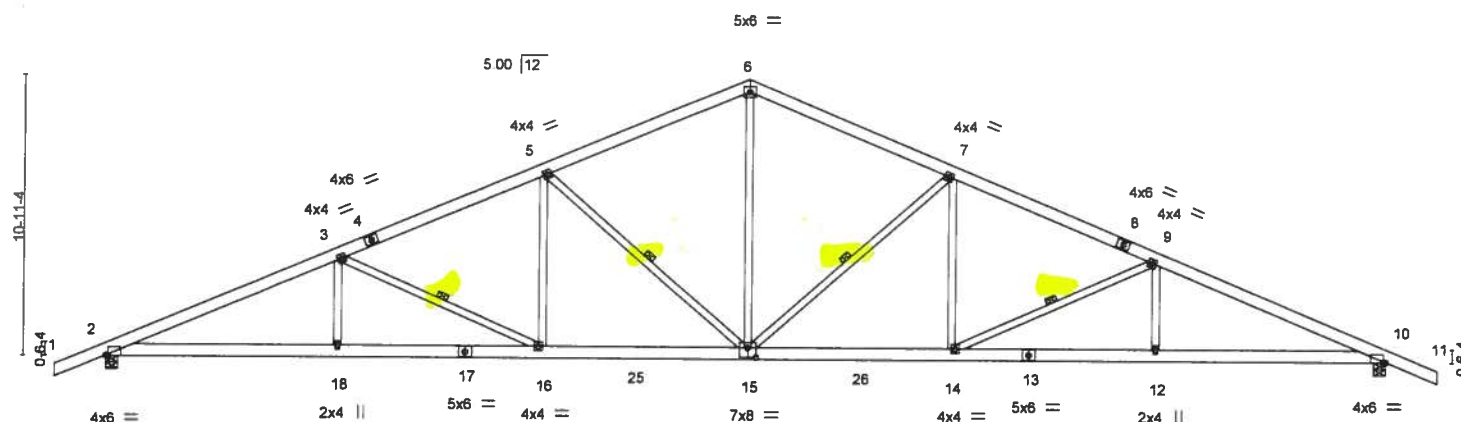


Plate Offsets (X,Y) -		[2:0-1-0, Edge], [10:0-1-0, Edge], [15:0-4-0, 0-4-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	-0.25 14-15	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.79	Vert(CT)	-0.51 14-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.92	Horz(CT)	0.18 10	n/a	n/a		
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-MS						
								Weight: 355 lb	FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-3 oc bracing.
WEBS 1 Row at midpt 7-15, 9-14, 5-15, 3-16

REACTIONS.

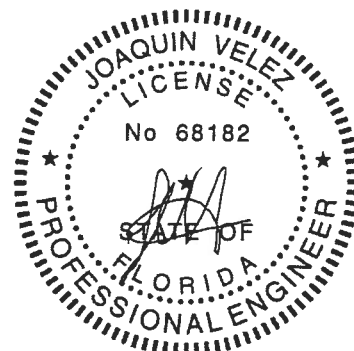
(lb/size) 2=2120/0-5-8, 10=2120/0-5-8
Max Horz 2=95(LC 13)
Max Uplift 2=171(LC 12), 10=171(LC 13)

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

TOP CHORD 2-3=4366/1197, 3-5=3541/1034, 5-6=2707/867, 6-7=2707/867, 7-9=3541/1034,
9-10=4366/1196
BOT CHORD 2-18=979/3954, 16-18=979/3954, 15-16=717/3185, 14-15=719/3185, 12-14=994/3954,
10-12=994/3954
WEBS 6-15=452/1559, 7-15=1055/374, 7-14=80/593, 9-14=859/304, 9-12=0/345,
5-15=1055/374, 5-16=80/593, 3-16=859/304, 3-18=0/345

NOTES- (6-7)

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=171, 10=171.
- Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
- Ensure that over-all building bracing is designed by qualified engineer architect or building designer.



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Date:

October 21, 2019

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSUTP1 Quality Criteria, DSB-99 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N Lee Street, Suite 312, Alexandria, VA 22314.



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Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

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ID:RGwS14cPREnm5p9yfgzNgAycgdx-3r0LFO8B3z0WjCPKz00TNZpbbPrYedm0mK3KRUYrFJS

2-0-0	3-9-4	8-11-14	14-2-10	19-5-5	25-0-0	30-6-11	35-9-6	41-0-2	46-2-12	50-0-0	52-0-0
2-0-0	3-9-4	5-2-10	5-2-12	5-2-11	5-6-11	5-6-11	5-2-11	5-2-12	5-2-10	3-9-4	2-0-0

Scale = 1:86.6

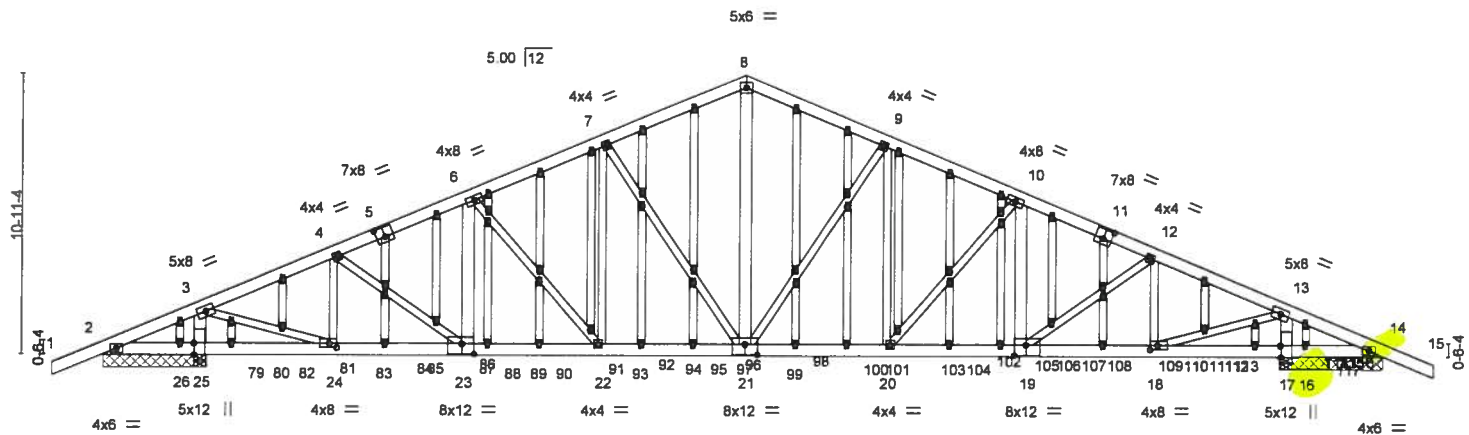


Plate Offsets (X,Y)-	[5:0-4-0,0-4-8], [11:0-4-0,0-4-8], [17:0-5-8,Edge], [18:0-3-8,0-2-0], [19:0-5-8,0-5-0], [21:0-6-0,0-5-0], [23:0-5-8,0-5-0], [24:0-3-8,0-2-0], [25:0-5-8,Edge], [52:0-0-0,0-0-0], [52:0-0-0,0-0-0], [55:0-0-0,0-0-0], [55:0-0-0,0-0-0], [63:0-0-0,0-0-0], [63:0-0-0,0-0-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.00	TC 0.37	Vert(LL)	-0.03	22	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.00	BC 0.24	Vert(CT)	-0.20	20-21	>999		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.73	Horz(CT)	0.04	17	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 1420 lb	FT = 20%

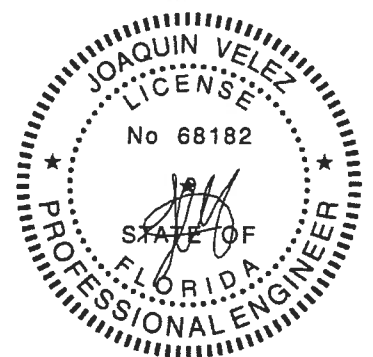
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 "Except"
8-21,10-19,13-17,6-23,3-25: 2x6 SP No.2, 13-18,3-24: 2x4 SP No.2
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 3-6-8.
(lb) - Max Horz 2=160(LC 13)
Max Uplift All uplift 100 lb or less at joint(s) except 2=604(LC 26), 26=2541(LC 27), 16=2526(LC 64), 14=609(LC 9), 2=498(LC 1), 14=498(LC 1)
Max Grav All reactions 250 lb or less at joint(s) except 17=9115(LC 64), 17=8336(LC 1), 25=9130(LC 27), 25=8336(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/2138, 3-4=6097/0, 4-6=6955/0, 6-7=6308/0, 7-8=5250/0, 8-9=5250/0, 9-10=6411/0, 10-12=6974/0, 12-13=6133/0, 13-14=0/2152
BOT CHORD 2-26=1864/0, 25-26=1864/0, 24-25=1864/0, 23-24=0/5531, 22-23=0/6360, 21-22=0/5765, 20-21=0/5860, 19-20=0/6378, 18-19=0/5563, 17-18=1876/0, 16-17=1876/0, 14-16=1876/0
WEBS 8-21=0/3633, 9-21=2015/0, 9-20=0/1833, 10-20=1119/0, 10-19=0/804, 12-19=0/1201, 12-18=1281/0, 13-18=0/7745, 13-17=5960/0, 7-21=1973/0, 7-22=0/1787, 6-22=1148/0, 6-23=0/835, 4-23=0/1200, 4-24=1281/0, 3-24=0/7711, 3-25=5935/0

- NOTES-** (17-18)
- 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=120mph (3-second gust) Vasd=93mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 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.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.



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October 21,2019

Continued on page 2

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource,

Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 14 09 2019 Page 2

ID.RGwSt4cPREnm5p9yfgzNgAycgdx-3r0LFO8B3z0WjCPKz00TNZpbpPrYedm0mK3KRUYrFJS

NOTES- (17-18)

- 9) * 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 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 604 lb uplift at joint 2, 2541 lb uplift at joint 26, 2526 lb uplift at joint 16, 609 lb uplift at joint 14, 604 lb uplift at joint 2 and 609 lb uplift at joint 14.
- 11) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
- 12) MULTIPLE LOADCASES - This design is the composite result of multiple load cases.
- 13) User moving load cases exist: Review the load cases for details.
- 14) 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.
- 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 361 lb down at 14-2-10, and 241 lb down at 25-0-0, and 361 lb down at 35-9-6 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 16) Studding applied to ply: 1(Front)
- 17) Warning: the unusually long span and/or configuration of this truss requires that extreme care be used in its application.
- 18) Ensure that over-all building bracing is designed by qualified engineer architect or building designer.

LOAD CASE(S) Standard Except:

- 1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 1-8=60, 8-15=60, 25-73=20, 17-76=20

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)

- 2) Dead + 0.75 Roof Live (balanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.00, Plate Increase=1.00

Uniform Loads (plf)

Vert: 1-8=50, 8-15=50, 25-73=20, 17-76=20

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)

- 3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-8=20, 8-15=20, 25-73=40, 17-76=40

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=232(F=192)-to-81=198(F=158), 81=380(F=340)-to-84=353(F=313), 84=171(F=131)-to-91=104(F=64), 91=286(F=246)-to-94=259(F=219), 94=77(F=37)-to-21=40, 21=40-to-102=77(F=37), 102=259(F=219)-to-105=286(F=246), 105=104(F=64)-to-112=171(F=131), 112=353(F=313)-to-115=380(F=340), 115=198(F=158)-to-17=232(F=192)

- 4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=50, 2-8=28, 8-14=28, 14-15=23, 25-73=23, 17-76=23

Horz: 1-2=58, 2-8=36, 8-14=36, 14-15=32

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)

- 5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=23, 2-8=28, 8-14=28, 14-15=50, 25-73=23, 17-76=23

Horz: 1-2=32, 2-8=36, 8-14=36, 14-15=58

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)

- 6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=12, 2-8=33, 8-14=33, 14-15=28, 25-73=15, 17-76=15

Horz: 1-2=8, 2-8=13, 8-14=13, 14-15=8

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Continued on page 3.



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MIT-7473 rev. 10/03/2015 BEFORE USE.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 14 09 2019 Page 3
ID:RGWSt4cPREnm5p9yfgzNgAycgdx-3rOLF08B3z0WJCPKz00TNZpbbPrYedm0mK3KRUYRFJS

LOAD CASE(S) Standard Except:

- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=28, 2-8=33, 8-14=33, 14-15=12, 25-73=15, 17-76=15
Horz: 1-2=8, 2-8=13, 8-14=13, 14-15=8
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=26, 2-8=15, 8-14=13, 14-15=9, 25-73=10, 17-76=10
Horz: 1-2=35, 2-8=24, 8-14=22, 14-15=17
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)
- 9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=9, 2-8=13, 8-14=15, 14-15=26, 25-73=10, 17-76=10
Horz: 1-2=17, 2-8=22, 8-14=24, 14-15=35
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)
- 10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=1, 2-8=6, 8-14=8, 14-15=3, 25-73=4, 17-76=4
Horz: 1-2=19, 2-8=14, 8-14=12, 14-15=17
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=3, 2-8=8, 8-14=6, 14-15=1, 25-73=4, 17-76=4
Horz: 1-2=17, 2-8=12, 8-14=14, 14-15=19
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=20, 2-8=25, 8-14=10, 14-15=6, 25-73=6, 17-76=6
Horz: 1-2=28, 2-8=33, 8-14=19, 14-15=14
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)
- 13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-2=6, 2-8=10, 8-14=25, 14-15=20, 25-73=6, 17-76=6
Horz: 1-2=14, 2-8=19, 8-14=33, 14-15=28
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)

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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 14:09 2019 Page 4
ID RGWSt4cPREnm5p9yfgzNgAycgdx-3r0LF08B3z0WjCPKz00TNZpbpPrYedm0mK3KRUYrFJS

LOAD CASE(S) Standard Except:

Trapezoidal Loads (plf)

Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)

14) Dead + 0.6 MWFRS Wind (Pos. Internal) 3rd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=20, 2-8=25, 8-14=10, 14-15=6, 25-73=6, 17-76=6
Horz: 1-2=28, 2-8=33, 8-14=19, 14-15=14

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)

15) Dead + 0.6 MWFRS Wind (Pos. Internal) 4th Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=6, 2-8=10, 8-14=25, 14-15=20, 25-73=6, 17-76=6
Horz: 1-2=14, 2-8=19, 8-14=33, 14-15=28

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=198(F=192)-to-81=164(F=158), 81=346(F=340)-to-84=319(F=313), 84=137(F=131)-to-91=70(F=64), 91=252(F=246)-to-94=225(F=219), 94=43(F=37)-to-21=6, 21=6-to-102=43(F=37), 102=225(F=219)-to-105=252(F=246), 105=70(F=64)-to-112=137(F=131), 112=319(F=313)-to-115=346(F=340), 115=164(F=158)-to-17=198(F=192)

16) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=8, 2-8=3, 8-14=11, 14-15=6, 25-73=20, 17-76=20
Horz: 1-2=28, 2-8=23, 8-14=9, 14-15=14

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)

17) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=6, 2-8=11, 8-14=3, 14-15=8, 25-73=20, 17-76=20
Horz: 1-2=14, 2-8=9, 8-14=23, 14-15=28

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)

18) Dead + Uninhabitable Attic Storage: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-8=20, 8-15=20, 25-73=20, 17-76=20

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=279(F=219), 94=97(F=37)-to-96=85(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=85(F=25)-to-102=97(F=37), 102=279(F=219)-to-20=292(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)

19) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=36, 2-8=39, 8-14=41, 14-15=37, 25-73=8, 17-76=8
Horz: 1-2=14, 2-8=11, 8-14=9, 14-15=13

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

Trapezoidal Loads (plf)

Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)

20) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60

Uniform Loads (plf)

Vert: 1-2=37, 2-8=41, 8-14=39, 14-15=36, 25-73=8, 17-76=8
Horz: 1-2=13, 2-8=9, 8-14=11, 14-15=14

Concentrated Loads (lb)

Vert: 21=241(F) 19=361(F) 23=361(F)

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc. Mon Oct 21 08 14 09 2019 Page 5
ID:RGWSt4cPREnm5p9yfgzNgAycgdx-3r0LFO8B3z0WjCPKz00TNZpbpPrYedm0mK3KRUYRFJS

LOAD CASE(S) Standard Except:

- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 21) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)**
Vert: 1-2=29, 2-8=32, 8-14=43, 14-15=40, 25-73=20, 17-76=20
Horz: 1-2=21, 2-8=18, 8-14=7, 14-15=10
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)
- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 22) Dead + 0.75 Roof Live (bal.) + 0.75 Uninhab. Attic Storage + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
- Uniform Loads (plf)**
Vert: 1-2=40, 2-8=43, 8-14=32, 14-15=29, 25-73=20, 17-76=20
Horz: 1-2=10, 2-8=7, 8-14=18, 14-15=21
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)
- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 23) 1st Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)**
Vert: 1-8=60, 8-15=20, 25-73=20, 17-76=20
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)
- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 24) 2nd Dead + Roof Live (unbalanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)**
Vert: 1-8=20, 8-15=60, 25-73=20, 17-76=20
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)
- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-94=239(F=219), 94=57(F=37)-to-21=20, 21=20-to-102=57(F=37), 102=239(F=219)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 25) 3rd Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)**
Vert: 1-8=50, 8-15=20, 25-73=20, 17-76=20
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)
- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 26) 4th Dead + 0.75 Roof Live (unbalanced) + 0.75 Uninhab. Attic Storage: Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)**
Vert: 1-8=20, 8-15=50, 25-73=20, 17-76=20
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)
- Trapezoidal Loads (plf)**
Vert: 25=212(F=192)-to-81=178(F=158), 81=360(F=340)-to-84=333(F=313), 84=151(F=131)-to-91=84(F=64), 91=266(F=246)-to-22=252(F=232), 22=282(F=232)-to-94=269(F=219), 94=87(F=37)-to-96=75(F=25), 96=45(F=25)-to-21=20, 21=20-to-101=45(F=25), 101=75(F=25)-to-102=87(F=37), 102=269(F=219)-to-20=282(F=232), 20=252(F=232)-to-105=266(F=246), 105=84(F=64)-to-112=151(F=131), 112=333(F=313)-to-115=360(F=340), 115=178(F=158)-to-17=212(F=192)
- 27) 1st User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
- Uniform Loads (plf)**
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
- Concentrated Loads (lb)**
Vert: 21=241(F) 19=361(F) 23=361(F)

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

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ID.RGwSt4cPREnm5p9ygzNgAycgdx-3r0LF08B3z0WJCPKz00TNzppPrYedm0mK3KRUYrFJS

LOAD CASE(S)

- Trapezoidal Loads (plf)**
Vert: 25=212(F)-to-79=193(F), 79=565(F=193)-to-80=556(F=184), 80=184(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 28) 2nd User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-80=184(F), 80=556(F=184)-to-81=550(F=178), 81=732(F=360)-to-82=729(F=357), 82=357(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 29) 3rd User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-82=357(F), 82=729(F=357)-to-24=719(F=347), 24=347(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 30) 4th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-24=347(F), 24=719(F=347)-to-83=711(F=339), 83=339(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 31) 5th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-83=339(F), 83=711(F=339)-to-84=705(F=333), 84=523(F=151)-to-85=520(F=148), 85=148(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 32) 6th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-85=148(F), 85=520(F=148)-to-86=511(F=139), 86=139(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 33) 7th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-86=139(F), 86=511(F=139)-to-87=501(F=129), 87=129(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 34) 8th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-87=129(F), 87=501(F=129)-to-23=492(F=120), 23=120(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 35) 9th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)

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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

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ID:RGWSi4cPREnm5p9yfgzNgAycgdx-3r0LFO8B3z0VWCPKz00TNZppPrYedm0mK3KRUYRFJS

LOAD CASE(S)

- Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-23=-120(F), 23=-492(F)-to-88=-483(F=-111), 88=-111(F)-to-91=-84(F),
 91=-266(F)-to-94=-239(F), 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F), 105=-84(F)-to-112=-151(F),
 112=-333(F)-to-115=-360(F), 115=-178(F)-to-17=-212(F)
- 36) 10th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-88=-111(F), 88=-483(F=-111)-to-89=-474(F=-102), 89=-102(F)-to-91=-84(F),
 91=-266(F)-to-94=-239(F), 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F), 105=-84(F)-to-112=-151(F),
 112=-333(F)-to-115=-360(F), 115=-178(F)-to-17=-212(F)
- 37) 11th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-89=-102(F), 89=-474(F=-102)-to-90=-465(F=-93), 90=-93(F)-to-91=-84(F),
 91=-266(F)-to-94=-239(F), 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F), 105=-84(F)-to-112=-151(F),
 112=-333(F)-to-115=-360(F), 115=-178(F)-to-17=-212(F)
- 38) 12th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-90=-93(F), 90=-465(F=-93)-to-91=-456(F=-84), 91=-266(F)-to-94=-239(F),
 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F), 105=-84(F)-to-112=-151(F), 112=-333(F)-to-115=-360(F),
 115=-178(F)-to-17=-212(F)
- 39) 13th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-91=-84(F), 91=-638(F=-266)-to-92=-629(F=-257), 92=-257(F)-to-94=-239(F),
 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F), 105=-84(F)-to-112=-151(F), 112=-333(F)-to-115=-360(F),
 115=-178(F)-to-17=-212(F)
- 40) 14th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-91=-84(F), 91=-266(F)-to-92=-257(F),
 92=-629(F=-257)-to-93=-620(F=-248), 93=-248(F)-to-94=-239(F), 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F),
 102=-239(F)-to-105=-266(F), 105=-84(F)-to-112=-151(F), 112=-333(F)-to-115=-360(F), 115=-178(F)-to-17=-212(F)
- 41) 15th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-91=-84(F), 91=-266(F)-to-93=-248(F),
 93=-620(F=-248)-to-94=-611(F=-239), 94=-57(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F),
 105=-84(F)-to-112=-151(F), 112=-333(F)-to-115=-360(F), 115=-178(F)-to-17=-212(F)
- 42) 16th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)
 Trapezoidal Loads (plf)
 Vert: 25=-212(F)-to-81=-178(F), 81=-360(F)-to-84=-333(F), 84=-151(F)-to-91=-84(F), 91=-266(F)-to-94=-239(F),
 94=-429(F=-57)-to-95=-420(F=-48), 95=-48(F)-to-21=-20(F), 21=-20(F)-to-102=-57(F), 102=-239(F)-to-105=-266(F),
 105=-84(F)-to-112=-151(F), 112=-333(F)-to-115=-360(F), 115=-178(F)-to-17=-212(F)
- 43) 17th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
 Uniform Loads (plf)
 Vert: 1-8=-60(F), 8-15=-60(F), 25-73=-20(F), 17-76=-20(F)
 Concentrated Loads (lb)
 Vert: 21=-241(F) 19=-361(F) 23=-361(F)

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MiTek

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Tampa, FL 35610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

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ID.RGwSt4cPREnm5p9yfgzNgAycgdx-3r0LF08B3z0WjCPKz00TNzppPrYedm0mK3KRUYrFJS

LOAD CASE(S)

- Trapezoidal Loads (plf)**
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-95=48(F),
95=420(F)-to-97=411(F)=39, 97=39(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F),
112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 44) 18th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-97=39(F),
97=411(F)=39)-to-98=402(F)=30, 98=30(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F),
112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 45) 19th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-98=30(F),
98=402(F)=30)-to-21=392(F)=20, 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 46) 20th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F),
21=392(F)=20)-to-99=400(F)=28, 99=28(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 47) 21st User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-99=28(F),
99=400(F)=28)-to-100=409(F)=37, 100=37(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 48) 22nd User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F),
94=57(F)-to-21=20(F), 21=20(F)-to-101=45(F), 101=45(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 49) 23rd User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F),
94=57(F)-to-21=20(F), 21=20(F)-to-101=45(F), 101=45(F)-to-102=429(F)=57, 102=239(F)-to-105=266(F),
105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 50) 24th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F),
94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=611(F)=239)-to-103=618(F)=246, 103=246(F)-to-105=266(F),
105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 51) 25th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)

Continued on page 9



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10/03/2015 BEFORE USE.

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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

8 240 s Jul 14 2019 MiTek Industries, Inc Mon Oct 21 08:14 09 2019 Page 9
ID:RGwSt4cPREnm5p9yfgzNgAycgdx-3r0LF08B3z0WjCPKz00TNZpbpPrYedm0mK3KRUFJJS

LOAD CASE(S)

- Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F),
102=239(F)-to-103=246(F), 103=618(F)=246(F)-to-104=627(F)=255, 104=255(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 52) 26th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F),
102=239(F)-to-104=255(F), 104=627(F)=255(F)-to-105=638(F)=266, 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 53) 27th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F),
102=239(F)-to-105=266(F), 105=456(F)=84(F)-to-106=463(F)=91, 106=91(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 54) 28th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F),
102=239(F)-to-105=266(F), 105=84(F)-to-106=91(F), 106=463(F)=91(F)-to-107=473(F)=101, 107=101(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 55) 29th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F),
102=239(F)-to-105=266(F), 105=84(F)-to-107=101(F), 107=473(F)=101(F)-to-108=482(F)=110, 108=110(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 56) 30th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F),
102=239(F)-to-105=266(F), 105=84(F)-to-108=110(F), 108=482(F)=110(F)-to-109=492(F)=120, 109=120(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 57) 31st User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F),
94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-109=120(F),
109=492(F)=120(F)-to-109=500(F)=128, 109=128(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 58) 32nd User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F),
94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-109=128(F),
109=500(F)=128(F)-to-110=509(F)=137, 110=137(F)-to-112=151(F), 112=333(F)-to-115=360(F),
115=178(F)-to-17=212(F)
- 59) 33rd User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)

Continued on page 10

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MH-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-88 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.

MiTek

6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Bruce Hart - Hanger 2	T18428011
2140857	T10G	GABLE	1	3	Job Reference (optional)	

Builders FirstSource, Lake City, FL

8.240 s Jul 14 2019 MiTek Industries, Inc Mon Oct 21 08 14 09 2019 Page 10
ID.RGwSt4cPREnm5p9yfgzNgAycgdx-3r0LF08B3z0WjCPKz00TNZppPrYedm0mK3KRyRfJS

LOAD CASE(S)

- Trapezoidal Loads (plf)**
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-110=137(F), 110=509(F)-to-111=518(F)=146, 111=146(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 60) 34th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-111=146(F), 111=518(F)=146)-to-112=523(F)=151, 112=705(F)=333)-to-113=709(F)=337, 113=337(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 61) 35th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-113=337(F), 113=709(F)=337)-to-114=719(F)=347, 114=347(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 62) 36th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-113=337(F), 113=709(F)=337)-to-114=727(F)=355, 114=355(F)-to-115=360(F), 115=178(F)-to-17=212(F)
- 63) 37th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-114=355(F), 114=727(F)=355)-to-115=732(F)=360, 115=550(F)=178)-to-116=554(F)=182, 116=182(F)-to-17=212(F)
- 64) 38th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-116=182(F), 116=554(F)=182)-to-117=563(F)=191, 117=191(F)-to-17=212(F)
- 65) 39th User Defined Moving Load - Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-8=60(F), 8-15=60(F), 25-73=20(F), 17-76=20(F)
Concentrated Loads (lb)
Vert: 21=241(F) 19=361(F) 23=361(F)
Trapezoidal Loads (plf)
Vert: 25=212(F)-to-81=178(F), 81=360(F)-to-84=333(F), 84=151(F)-to-91=84(F), 91=266(F)-to-94=239(F), 94=57(F)-to-21=20(F), 21=20(F)-to-102=57(F), 102=239(F)-to-105=266(F), 105=84(F)-to-112=151(F), 112=333(F)-to-115=360(F), 115=178(F)-to-116=182(F), 116=554(F)=182)-to-117=563(F)=191, 117=191(F)-to-17=212(F)



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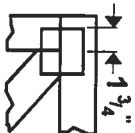
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-88 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



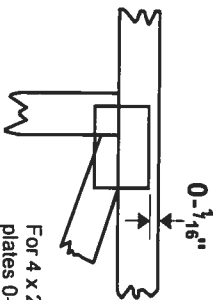
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

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

* Plate location details available in MiTek 20120 software or upon request.

PLATE SIZE

4 X 4

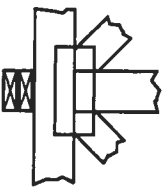
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



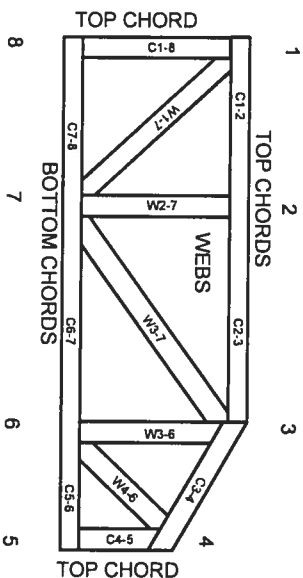
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP11: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.
Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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MiTek Engineering Reference Sheet: MIL-7473 rev. 10/03/2015

General Safety Notes

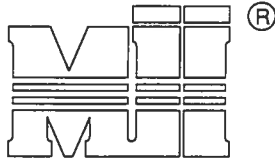
Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.

AUGUST 1, 2016

T-BRACE / I-BRACE DETAIL WITH 2X BRACE ONLY

MII-T-BRACE 2



MiTek USA, Inc.

ENGINEERED BY
TRENCO
A MiTek Affiliate

MiTek USA, Inc. Page 1 of 1

Note: T-Bracing / I-Bracing to be used when continuous lateral bracing is impractical. T-Brace / I-Brace must cover 90% of web length.

Note: This detail NOT to be used to convert T-Brace / I-Brace webs to continuous lateral braced webs.

Nailing Pattern

T-Brace size	Nail Size	Nail Spacing
2x4 or 2x6 or 2x8	10d (0.131" X 3")	6" o.c.
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)		

Brace Size for One-Ply Truss

Specified Continuous Rows of Lateral Bracing

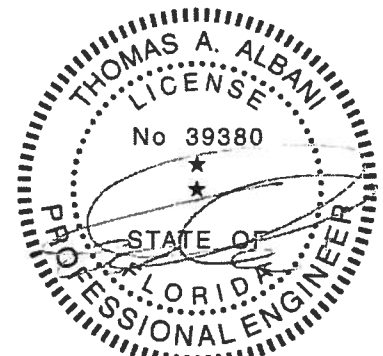
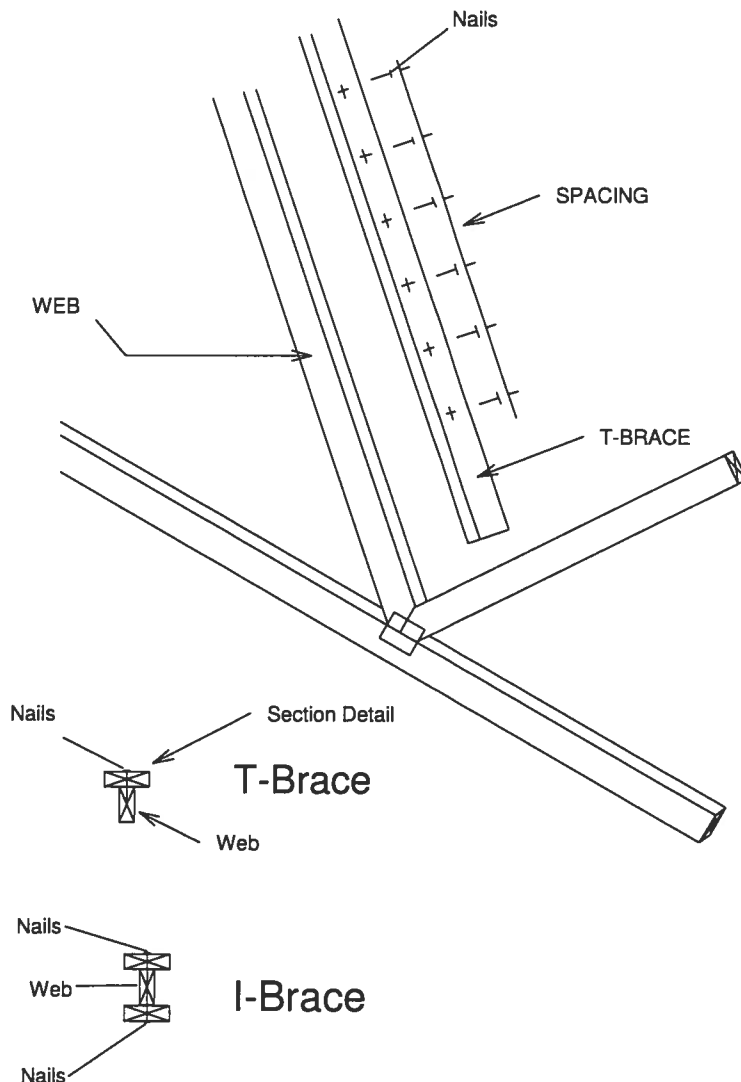
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

Brace Size for Two-Ply Truss

Specified Continuous Rows of Lateral Bracing

Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

T-Brace / I-Brace must be same species and grade (or better) as web member.



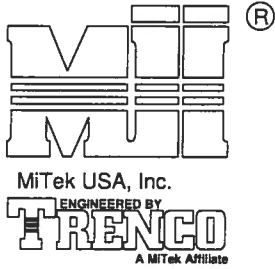
Thomas A. Albani PE No. 39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018

AUGUST 1, 2016

SCAB-BRACE DETAIL

MII-SCAB-BRACE



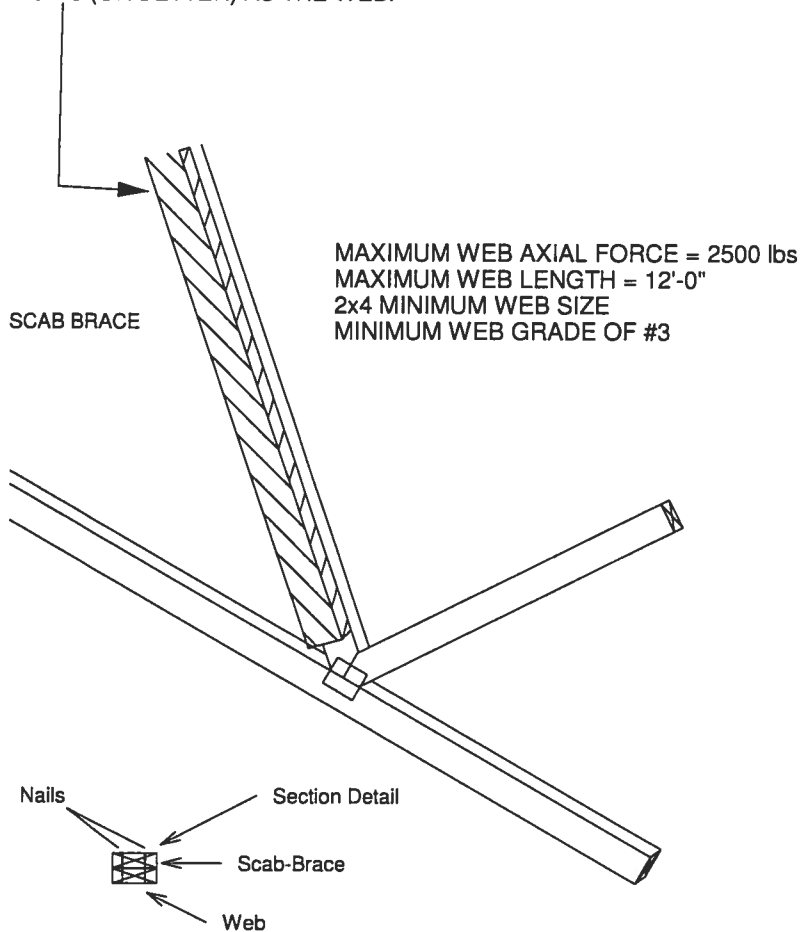
MiTek USA, Inc.

Page 1 of 1

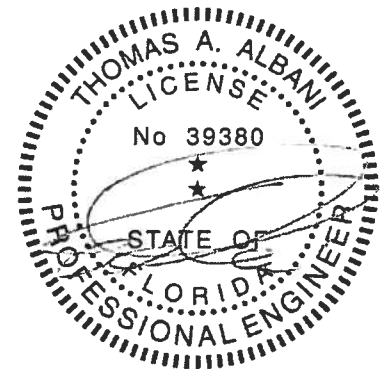
Note: Scab-Bracing to be used when continuous lateral bracing at midpoint (or T-Brace) is impractical.
Scab must cover full length of web +/- 6".

*** THIS DETAIL IS NOT APLICABLE WHEN BRACING IS ***
REQUIRED AT 1/3 POINTS OR I-BRACE IS SPECIFIED.

APPLY 2x SCAB TO ONE FACE OF WEB WITH
2 ROWS OF 10d (0.131" X 3") NAILS SPACED 6" O.C.
SCAB MUST BE THE SAME GRADE, SIZE AND
SPECIES (OR BETTER) AS THE WEB.



Scab-Brace must be same species grade (or better) as web member.



Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

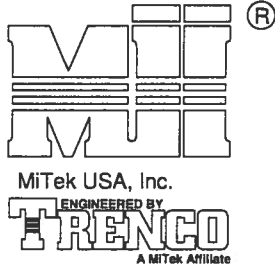
February 12, 2018

AUGUST 1, 2016

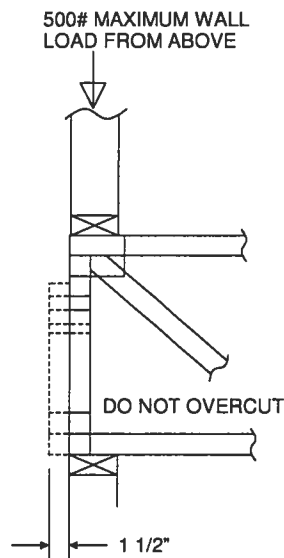
STANDARD REPAIR TO REMOVE END VERTICAL (RIBBON NOTCH VERTICAL)

MII-REP05

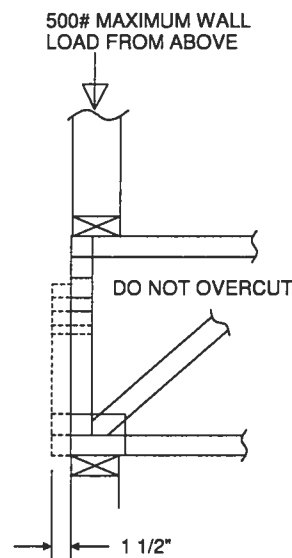
MiTek USA, Inc. Page 1 of 1



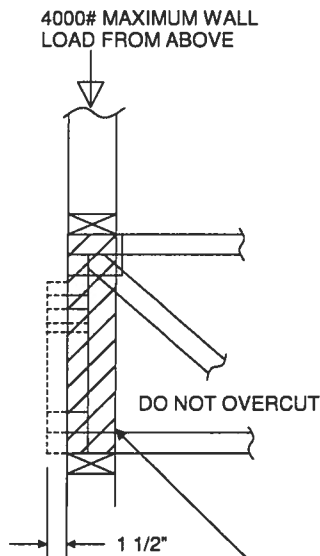
1. THIS IS A SPECIFIC REPAIR DETAIL TO BE USED ONLY FOR ITS ORIGINAL INTENTION. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD.
4. LUMBER MUST BE CUT CLEANLY AND ACCURATELY AND THE REMAINING WOOD MUST BE UNDAMAGED.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 4X₂ ORIENTATION ONLY.
6. CONNECTOR PLATES MUST BE FULLY IMBEDDED AND UNDISTURBED.



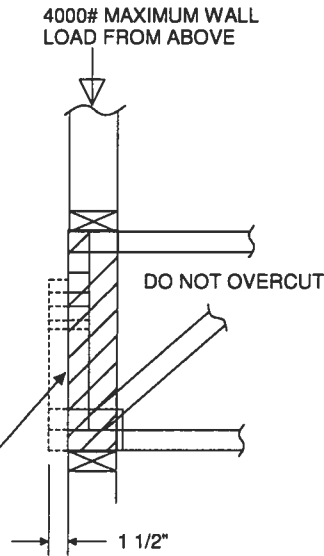
REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES



TRUSSES BUILT WITH 4x2 MEMBERS

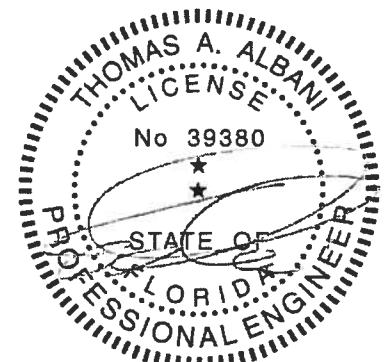


REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES



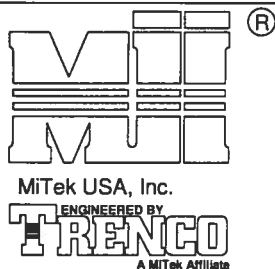
TRUSSES BUILT WITH 4x2 MEMBERS

ATTACH 2x4 SQUASH BLOCK (CUT TO FIT TIGHTLY) TO BOTH SIDES OF THE TRUSS AS SHOWN WITH 10d (0.131" X 3") NAILS SPACED 3" O.C.

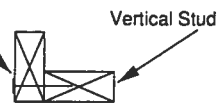


Thomas A. Albani PE No.39380
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Date:

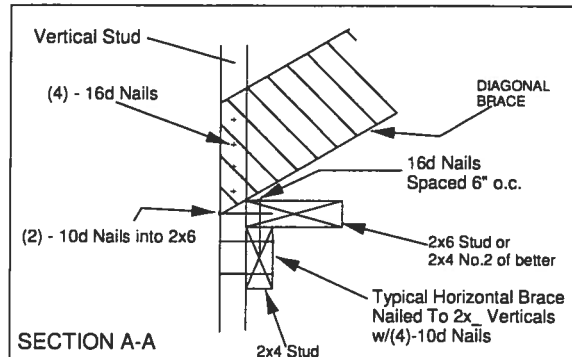
February 12, 2018



Typical 1x4 L-Brace Nailed To
2x Verticals W/10d Nails spaced 6" o.c.



SECTION B-B

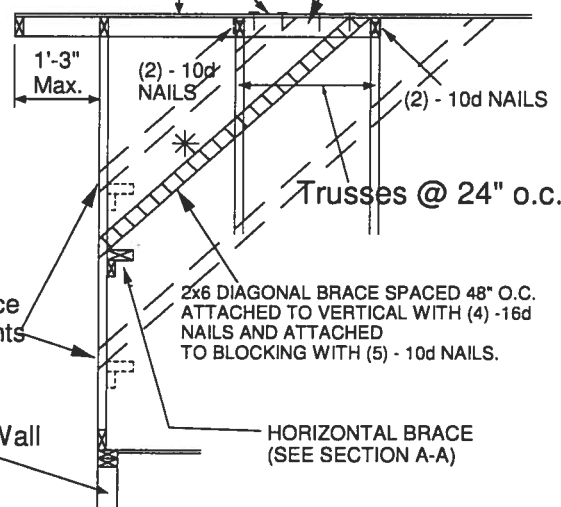


SECTION A-A

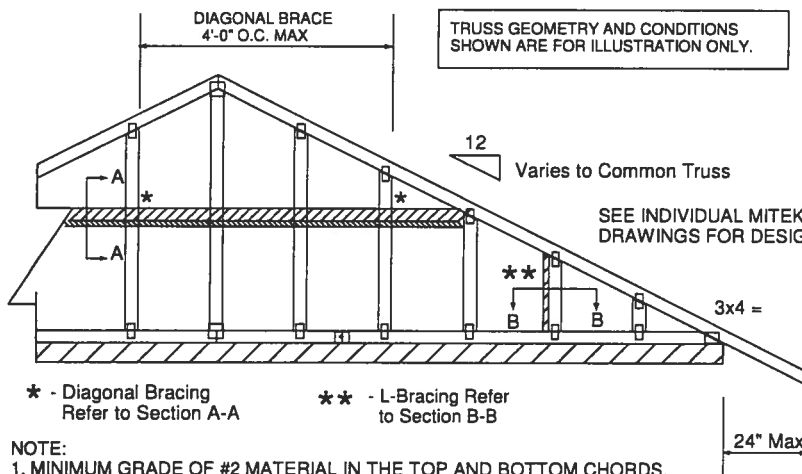
PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK

Roof Sheathing



TRUSS GEOMETRY AND CONDITIONS SHOWN ARE FOR ILLUSTRATION ONLY.



NOTE:

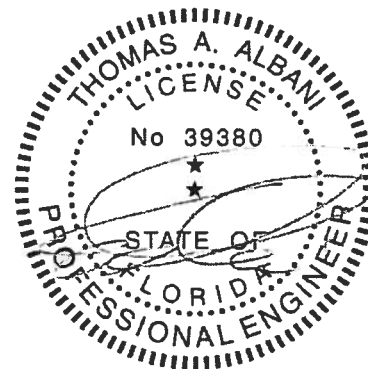
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Maximum Stud Length				
		Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
2x4 SP No. 3 / Stud	12" O.C.	3-9-13	4-1-1	5-9-6	7-1-3	11-5-7
2x4 SP No. 3 / Stud	16" O.C.	3-5-4	3-6-8	5-0-2	6-10-8	10-3-13
2x4 SP No. 3 / Stud	24" O.C.	2-9-11	2-10-11	4-1-1	5-7-6	8-5-1

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 l-braces attached to both edges. Fasten T and l braces to narrow edge of diagonal brace with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE D
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



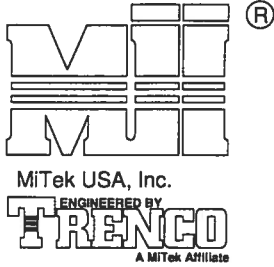
Thomas A. Albani PE No.39380
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Date:

February 12, 2018

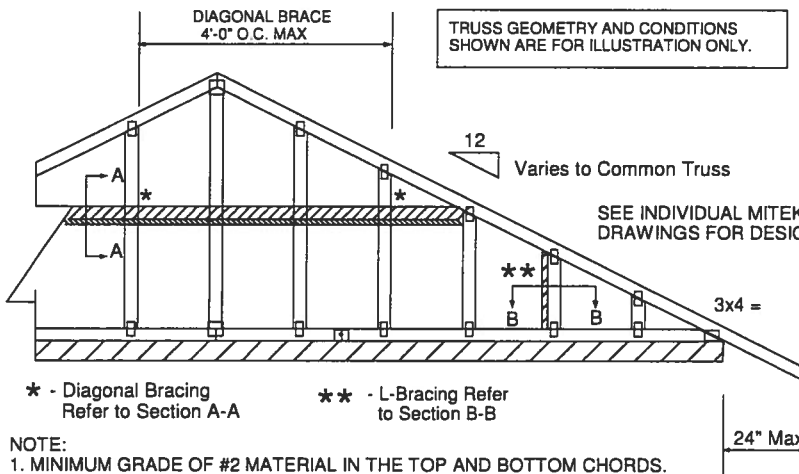
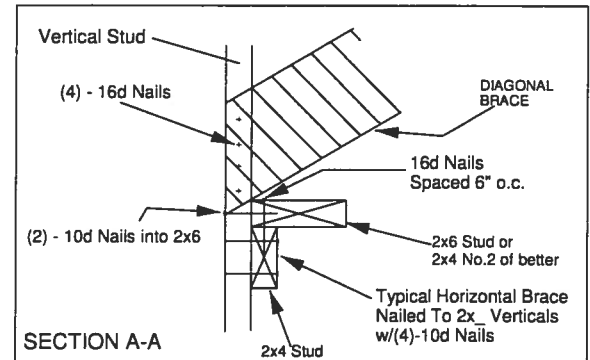
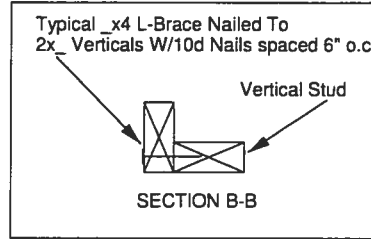
AUGUST 1, 2016

Standard Gable End Detail

MII-GE130-SP



MiTek USA, Inc. Page 1 of 2

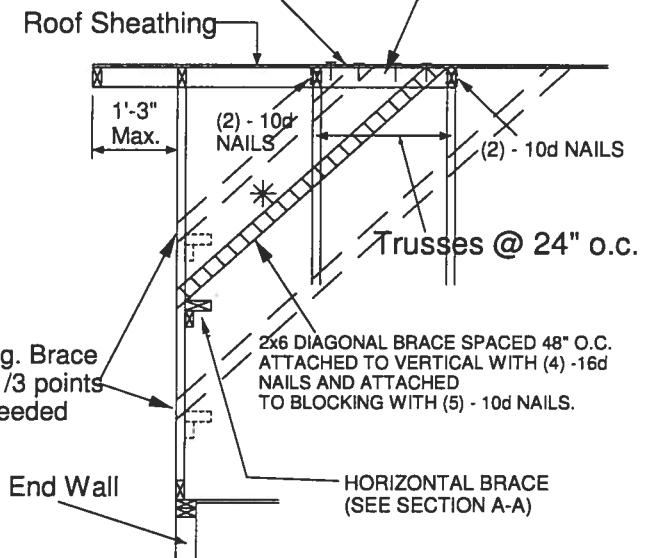


NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK

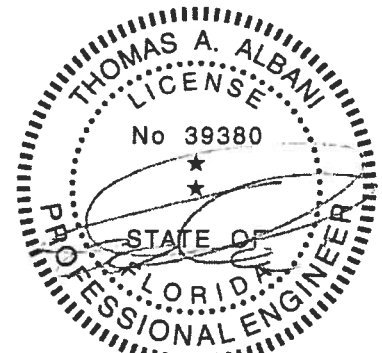


Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 SP No. 3 / Stud	12" O.C.	4-0-7	4-5-6	6-3-8	8-0-15	12-1-6
2x4 SP No. 3 / Stud	16" O.C.	3-8-0	3-10-4	5-5-6	7-4-1	11-0-1
2x4 SP No. 3 / Stud	24" O.C.	3-0-10	3-1-12	4-5-6	6-1-5	9-1-15

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 l-braces attached to both edges. Fasten T and l braces to narrow edge of diagonal brace with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

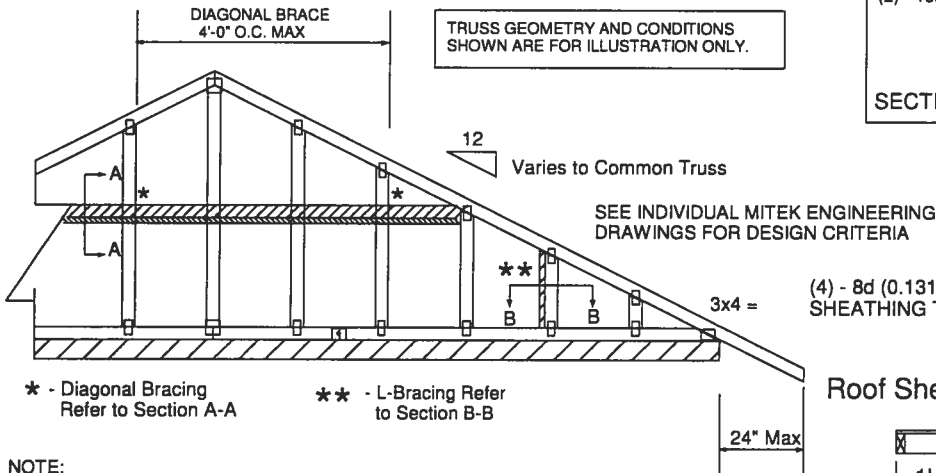
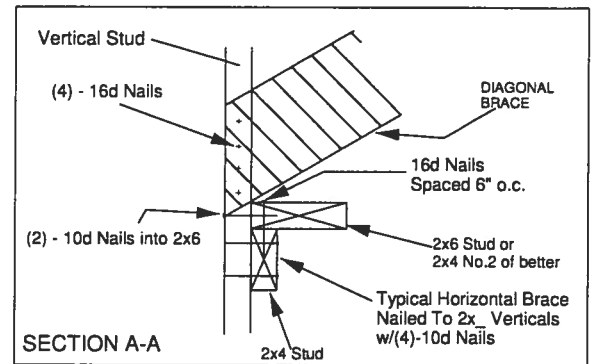
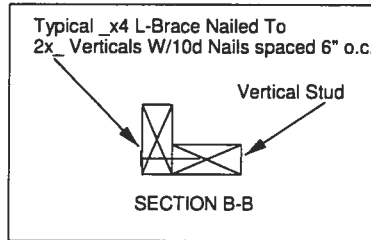
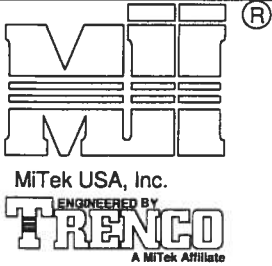
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH
ASCE 7-10 160 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



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Date:

February 12, 2018

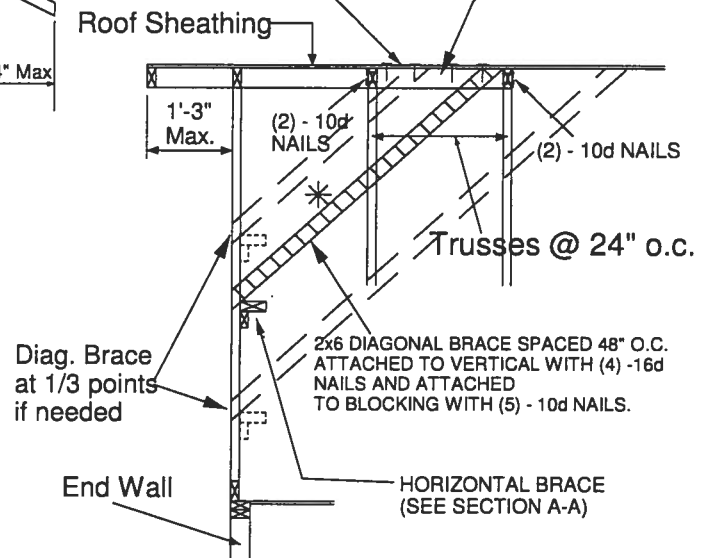


NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 1x4 SRB OR 2x4 STUD OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD DF/SPF BLOCK

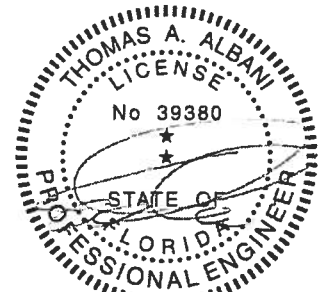


Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length				
2x4 DF/SPF Std/Stud	12" O.C.	3-10-1	3-11-7	5-7-2	7-8-2	11-6-4
2x4 DF/SPF Std/Stud	16" O.C.	3-3-14	3-5-1	4-10-2	6-7-13	9-11-11
2x4 DF/SPF Std/Stud	24" O.C.	2-8-9	2-9-8	3-11-7	5-5-2	8-1-12

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAXIMUM WIND SPEED = 140 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



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Date:

January 19, 2018

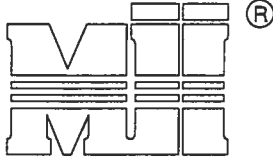
AUGUST 1, 2016

Standard Gable End Detail

MII-GE170-D-SP

MiTek USA, Inc.

Page 1 of 2



MiTek USA, Inc.

ENGINEERED BY
TRENCO
 A MiTek Affiliate

 Typical 2x4 L-Brace Nailed To
 2x4 Verticals W/10d Nails spaced 6" o.c.

Vertical Stud

SECTION B-B

 DIAGONAL BRACE
 4'-0" O.C. MAX

 TRUSS GEOMETRY AND CONDITIONS
 SHOWN ARE FOR ILLUSTRATION ONLY.

 12
 Varies to Common Truss

 SEE INDIVIDUAL MITTEK ENGINEERING
 DRAWINGS FOR DESIGN CRITERIA

3x4 =

24" Max

 * - Diagonal Bracing
 Refer to Section A-A

 ** - L-Bracing Refer
 to Section B-B

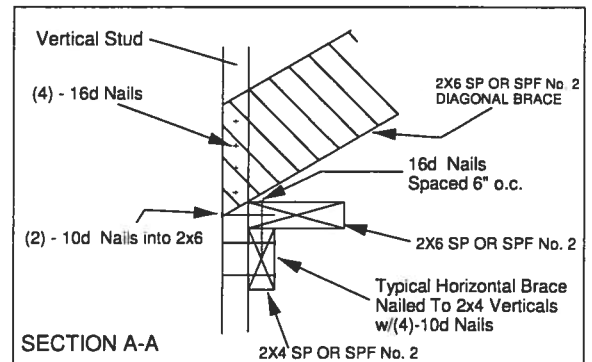
NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH, SPF OR SP No.3 OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 AND A 2x4 AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST GABLE STUD. ATTACH TO VERTICAL GABLE STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
2x4 SP No. 3 / Stud	12" O.C.	3-9-7	5-8-8	6-11-1	11-4-4
2x4 SP No. 3 / Stud	16" O.C.	3-4-12	4-11-15	6-9-8	10-2-3
2x4 SP No. 3 / Stud	24" O.C.	2-9-4	4-0-7	5-6-8	8-3-13
2x4 SP No. 2	12" O.C.	3-11-13	5-8-8	6-11-1	11-11-7
2x4 SP No. 2	16" O.C.	3-7-7	4-11-5	6-11-1	10-10-5
2x4 SP No. 2	24" O.C.	3-1-15	4-0-7	6-3-14	9-5-14

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 l-braces attached to both edges. Fasten T and l braces to narrow edge of diagonal brace with 10d nails 6" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length. T or l braces must be 2x4 SPF No. 2 or SP No. 2.

 MAX MEAN ROOF HEIGHT = 30 FEET
 EXPOSURE D
 ASCE 7-10 170 MPH
 DURATION OF LOAD INCREASE : 1.60

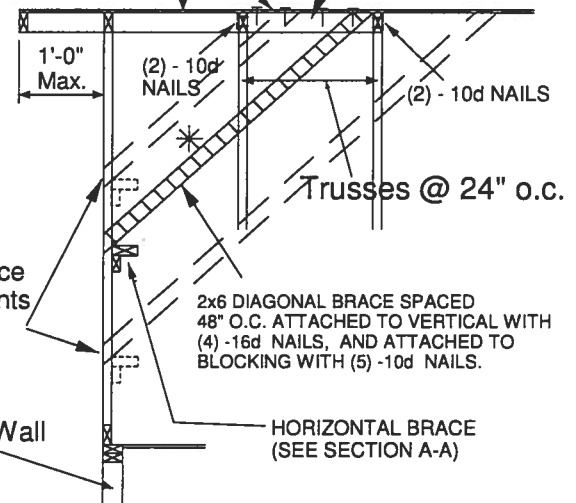
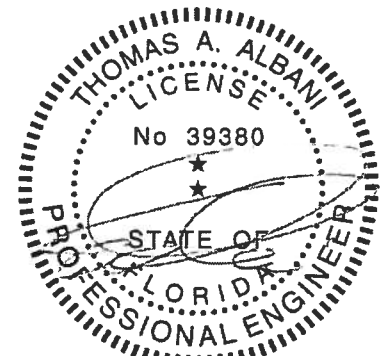
 STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
 CONNECTION OF BRACING IS BASED ON MWFRS.


SECTION A-A

PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SPF BLOCK

Roof Sheathing


 Diag. Brace
 at 1/3 points
 if needed

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 6904 Parke East Blvd. Tampa FL 33610
 Date:

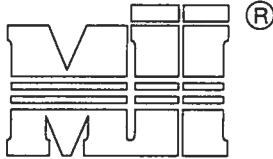
February 12, 2018

AUGUST 1, 2016

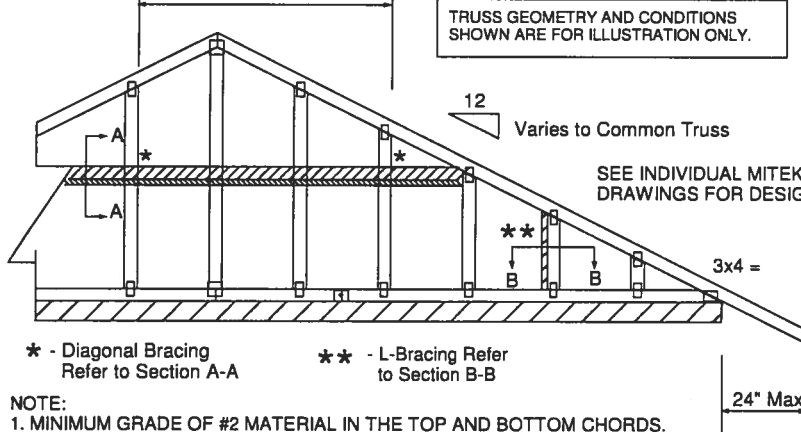
Standard Gable End Detail

MII-GE180-D-SP

MiTek USA, Inc. Page 1 of 2



MiTek USA, Inc.

ENGINEERED BY
TRENCOA MiTek Affiliate
DIAGONAL BRACE
4'-0" O.C. MAX* - Diagonal Bracing
Refer to Section A-A** - L-Bracing Refer
to Section B-B

NOTE:

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH, SPF or SP No.3 OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 AND A 2x4 AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST GABLE STUD. ATTACH TO VERTICAL GABLE STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS 1/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. SOUTHERN PINE LUMBER DESIGN VALUES ARE THOSE EFFECTIVE 06-01-13 BY SPIB/ALSC.
11. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

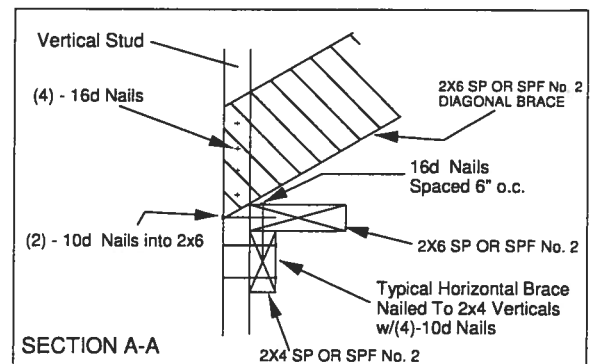
Typical 2x4 L-Brace Nailed To
2x4 Verticals w/10d Nails spaced 6" o.c.

Vertical Stud

SECTION B-B

TRUSS GEOMETRY AND CONDITIONS
SHOWN ARE FOR ILLUSTRATION ONLY.12
Varies to Common TrussSEE INDIVIDUAL MITEK ENGINEERING
DRAWINGS FOR DESIGN CRITERIA

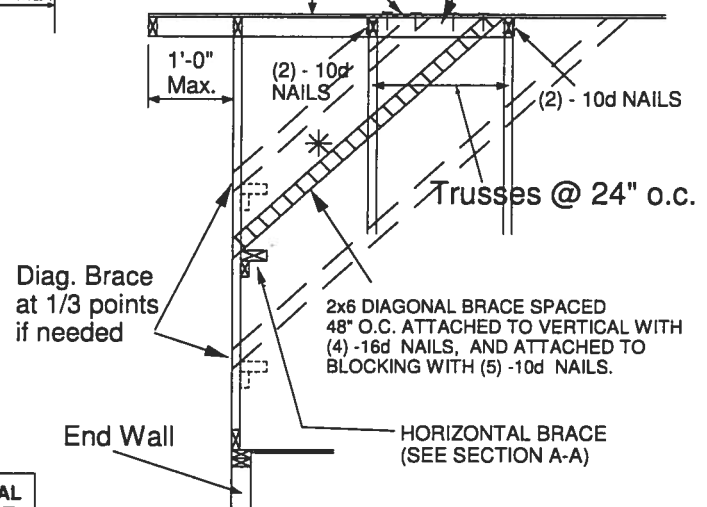
24" Max



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD
SHEATHING TO 2x4 STD SPF BLOCK

Roof Sheathing

Diag. Brace
at 1/3 points
if needed

End Wall

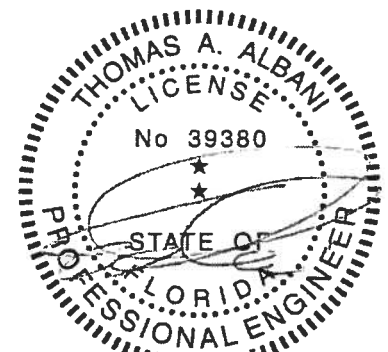
HORIZONTAL BRACE
(SEE SECTION A-A)

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No. 3 / Stud	12" O.C.	3-7-12	5-4-11	6-2-1	10-11-3
2x4 SP No. 3 / Stud	16" O.C.	3-2-8	4-8-1	6-2-1	9-7-7
2x4 SP No. 3 / Stud	24" O.C.	2-7-7	3-9-12	5-2-13	7-10-4
2x4 SP No. 2	12" O.C.	3-10-0	5-4-11	6-2-1	11-6-1
2x4 SP No. 2	16" O.C.	3-5-13	4-8-1	6-2-1	10-5-7
2x4 SP No. 2	24" O.C.	3-0-8	3-9-12	6-1-1	9-1-9

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 l-braces attached to both edges. Fasten T and l braces to narrow edge of diagonal brace with 10d nails 6in o.c., with 3in minimum end distance. Brace must cover 90% of diagonal length. T or l braces must be 2x4 SPF No. 2 or SP No. 2.

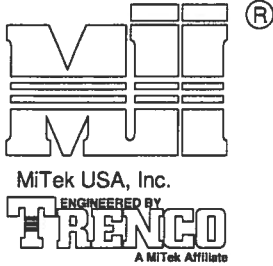
MAX MEAN ROOF HEIGHT = 30 FEET
EXPOSURE D
ASCE 7-10 180 MPH
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



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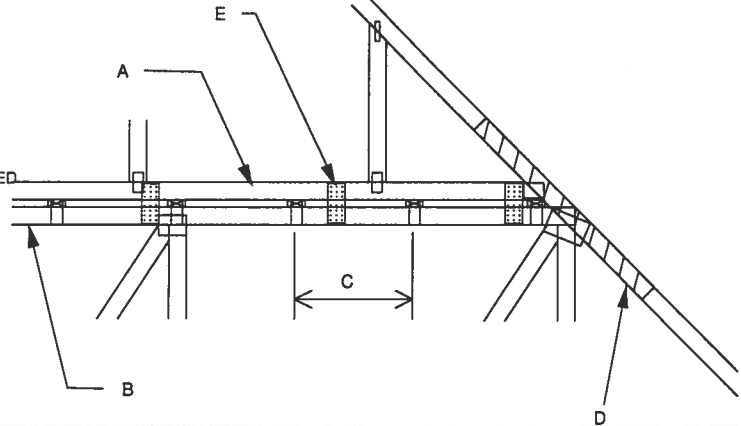
February 12, 2018



MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24' O.C.
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-10
DURATION OF LOAD INCREASE : 1.60

DETAIL IS NOT APPLICABLE FOR TRUSSES
TRANSFERING DRAG LOADS (SHEAR TRUSSES).
ADDITIONAL CONSIDERATIONS BY BUILDING
ENGINEER/DESIGNER ARE REQUIRED.

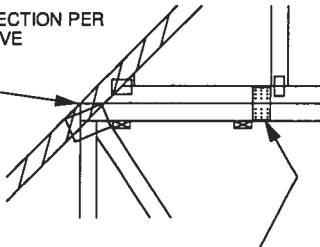
- A - PIGGYBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) (0.131" X 3.5") TOE-NAILED.
- B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) (0.131" X 3.5") NAILS EACH.
- D - 2 X ____ X 4'-0" SCAB, SIZE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, MIN GRADE #2, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF (0.131" X 3") NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
 2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.
- E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 72" O.C. W/ (4) (0.131" X 1.5") NAILS PER MEMBER. STAGGER NAILS FROM OPPOSING FACES. ENSURE 0.5" EDGE DISTANCE. (MIN. 2 PAIRS OF PLATES REQ. REGARDLESS OF SPAN)



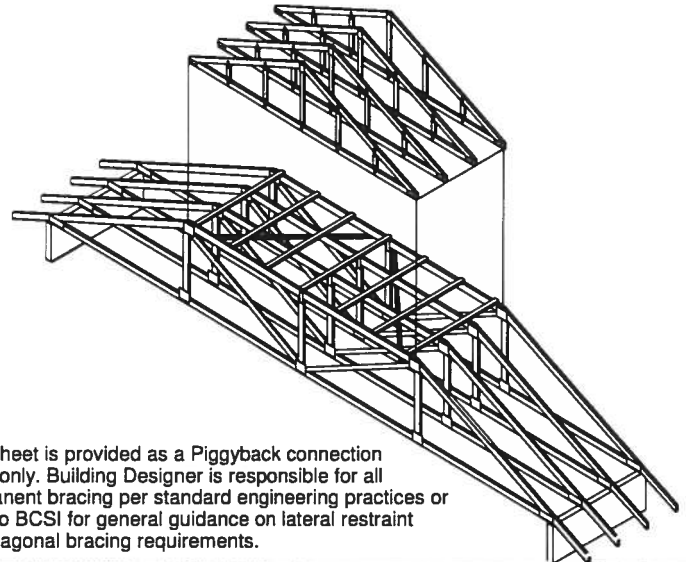
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

SCAB CONNECTION PER
NOTE D ABOVE

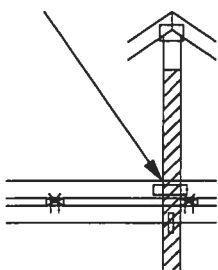


FOR ALL WIND SPEEDS, ATTACH MITEK 3X8 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) (0.131" X 1.5") PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



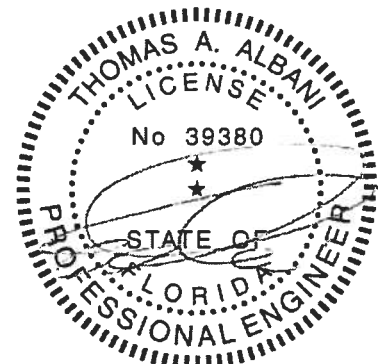
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO
EXTEND THROUGH
BOTTOM CHORD
OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

- 1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
- 2) ATTACH 2 x ____ x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
- 3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
- 4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
- 5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.



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February 12, 2018

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STANDARD PIGGYBACK TRUSS CONNECTION DETAIL

MII-PIGGY-ALT
7-10



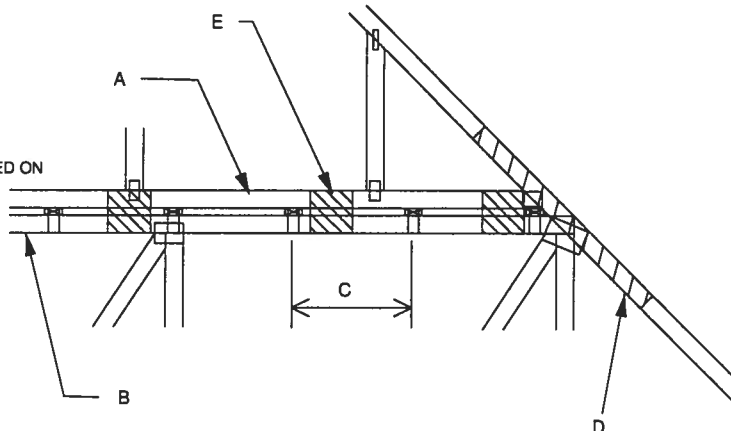
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MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24" O.C.
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-10
DURATION OF LOAD INCREASE : 1.60

DETAIL IS NOT APPLICABLE FOR TRUSSES
TRANSFERING DRAG LOADS (SHEAR TRUSSES).
ADDITIONAL CONSIDERATIONS BY BUILDING
ENGINEER/DESIGNER ARE REQUIRED.

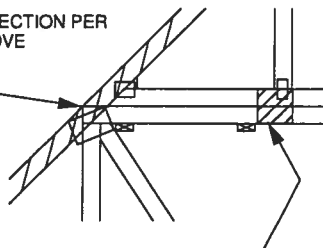
- A - PIGGYBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) 0(0.131" X 3.5") TOE-NAILED.
- B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING. CONNECT TO BASE TRUSS WITH (2) (0.131" X 3.5") NAILS EACH.
- D - 2 X $\frac{1}{2}$ " X 4'-0" SCAB, SIZE TO MATCH TOP CHORD OF PIGGYBACK TRUSS, MIN GRADE #2, ATTACHED TO ONE FACE, CENTERED ON INTERSECTION, WITH (2) ROWS OF (0.131" X 3") NAILS @ 4" O.C. SCAB MAY BE OMITTED PROVIDED THE TOP CHORD SHEATHING IS CONTINUOUS OVER INTERSECTION AT LEAST 1 FT. IN BOTH DIRECTIONS AND:
1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR
 2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM PIGGYBACK SPAN OF 12 ft.
- E - FOR WIND SPEED IN THE RANGE 126 MPH - 160 MPH ADD 9" x 9" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 48" O.C. OR LESS. ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)



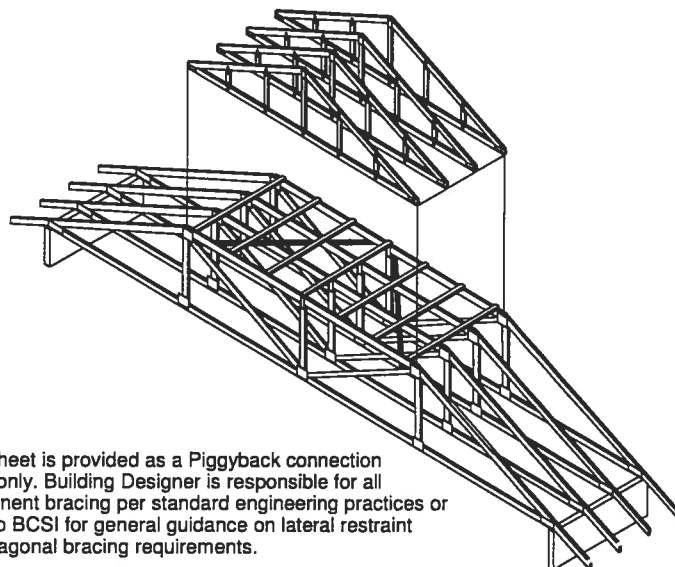
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH PLYWOOD GUSSETS AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.

SCAB CONNECTION PER
NOTE D ABOVE

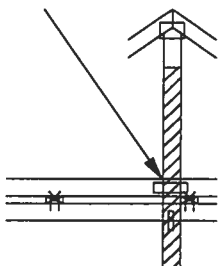


7" x 7" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 24" O.C. ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)



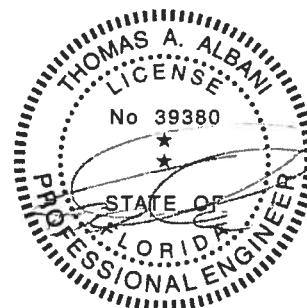
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO
EXTEND THROUGH
BOTTOM CHORD
OF PIGGYBACK



FOR LARGE CONCENTRATED LOADS APPLIED TO CAP TRUSS REQUIRING A VERTICAL WEB:

- 1) VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.
- 2) ATTACH 2 x $\frac{1}{2}$ " x 4'-0" SCAB TO EACH FACE OF TRUSS ASSEMBLY WITH 2 ROWS OF 10d (0.131" X 3") NAILS SPACED 4" O.C. FROM EACH FACE. (SIZE AND GRADE TO MATCH VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS.) (MINIMUM 2X4)
- 3) THIS CONNECTION IS ONLY VALID FOR A MAXIMUM CONCENTRATED LOAD OF 4000 LBS (@1.15). REVIEW BY A QUALIFIED ENGINEER IS REQUIRED FOR LOADS GREATER THAN 4000 LBS.
- 4) FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS.
- 5) CONCENTRATED LOAD MUST BE APPLIED TO BOTH THE PIGGYBACK AND THE BASE TRUSS DESIGN.



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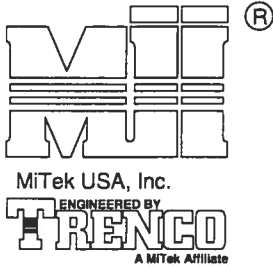
January 19, 2018

AUGUST 1, 2016

STANDARD REPAIR DETAIL FOR BROKEN CHORDS, WEBS
AND DAMAGED OR MISSING CHORD SPLICE PLATES

MII-REP01A1

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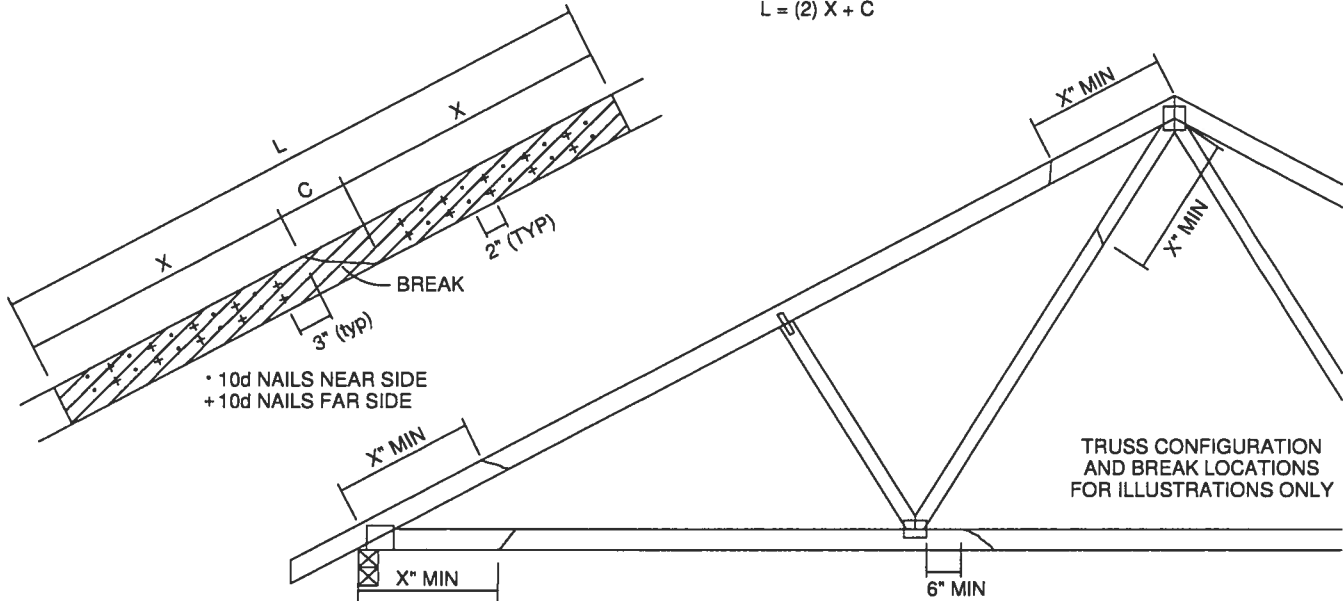
TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
			SP		DF		SPF		HF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608
32	48	36"	2681	4022	2454	3681	2074	3111	2125	3187
38	57	42"	3169	4754	2900	4350	2451	3677	2511	3767
44	66	48"	3657	5485	3346	5019	2829	4243	2898	4347

* DIVIDE EQUALLY FRONT AND BACK

ATTACH 2x SCAB OF THE SAME SIZE AND GRADE AS THE BROKEN MEMBER TO EACH FACE OF THE TRUSS (CENTER ON BREAK OR SPLICE) WITH 10d (0.131" X 3") NAILS (TWO ROWS FOR 2x4, THREE ROWS FOR 2x6) SPACED 4" O.C. AS SHOWN. STAGGER NAIL SPACING FROM FRONT FACE AND BACK FACE FOR A NET 0-2-0 O.C. SPACING IN THE MAIN MEMBER. USE A MIN. 0-3-0 MEMBER END DISTANCE.

THE LENGTH OF THE BREAK (C) SHALL NOT EXCEED 12". (C=PLATE LENGTH FOR SPLICE REPAIRS)
THE MINIMUM OVERALL SCAB LENGTH REQUIRED (L) IS CALCULATED AS FOLLOWS:

$$L = (2) X + C$$

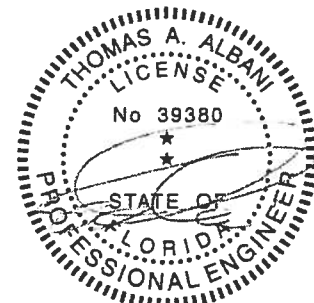


THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

NOTES:

1. THIS REPAIR DETAIL IS TO BE USED ONLY FOR THE APPLICATION SHOWN. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDamAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS WILL BE CAPABLE OF SUPPORTING THE LOADS INDICATED.
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.
3. THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
4. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.
5. THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x ORIENTATION ONLY.
6. THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.



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January 19, 2018

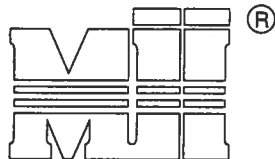
AUGUST 1, 2016

LATERAL TOE-NAIL DETAIL

MII-TOENAIL_SP

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Page 1 of 1



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NOTES:

- TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 45 DEGREES WITH THE MEMBER AND MUST HAVE FULL WOOD SUPPORT. (NAIL MUST BE DRIVEN THROUGH AND EXIT AT THE BACK CORNER OF THE MEMBER END AS SHOWN.)
- THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
- ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

 THIS DETAIL APPLICABLE TO THE
 THREE END DETAILS SHOWN BELOW

 VIEWS SHOWN ARE FOR
 ILLUSTRATION PURPOSES ONLY

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)						
	DIAM.	SP	DF	HF	SPF	SPF-S
3.5" LONG	.131	88.0	80.6	69.9	68.4	59.7
	.135	93.5	85.6	74.2	72.6	63.4
	.162	108.8	99.6	86.4	84.5	73.8
3.25" LONG	.128	74.2	67.9	58.9	57.6	50.3
	.131	75.9	69.5	60.3	59.0	51.1
	.148	81.4	74.5	64.6	63.2	52.5

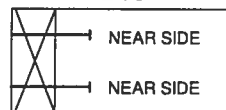
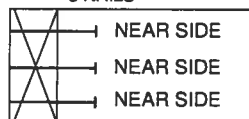
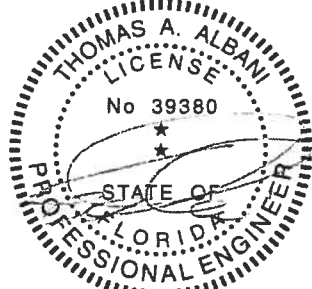
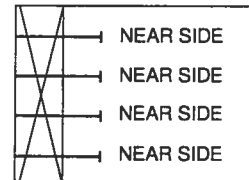
 VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
 APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

EXAMPLE:

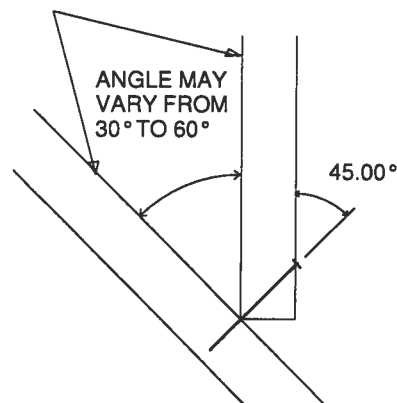
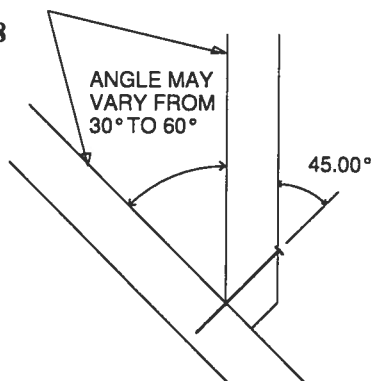
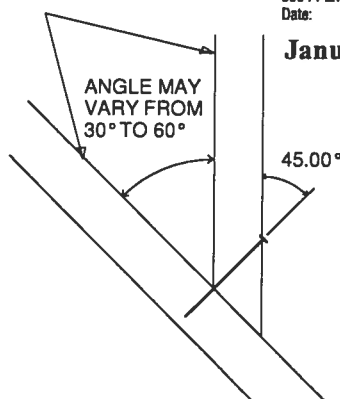
(3) - 16d (0.162" X 3.5") NAILS WITH SPF SPECIES BOTTOM CHORD

For load duration increase of 1.15:

3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

 SIDE VIEW
 (2x3)
 2 NAILS

 SIDE VIEW
 (2x4)
 3 NAILS

 SIDE VIEW
 (2x6)
 4 NAILS

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January 19, 2018



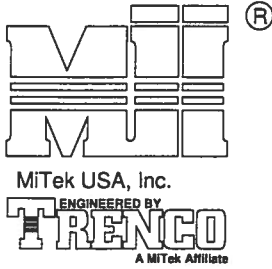
AUGUST 1, 2016

TRUSSED VALLEY SET DETAIL

MII-VALLEY HIGH WIND1

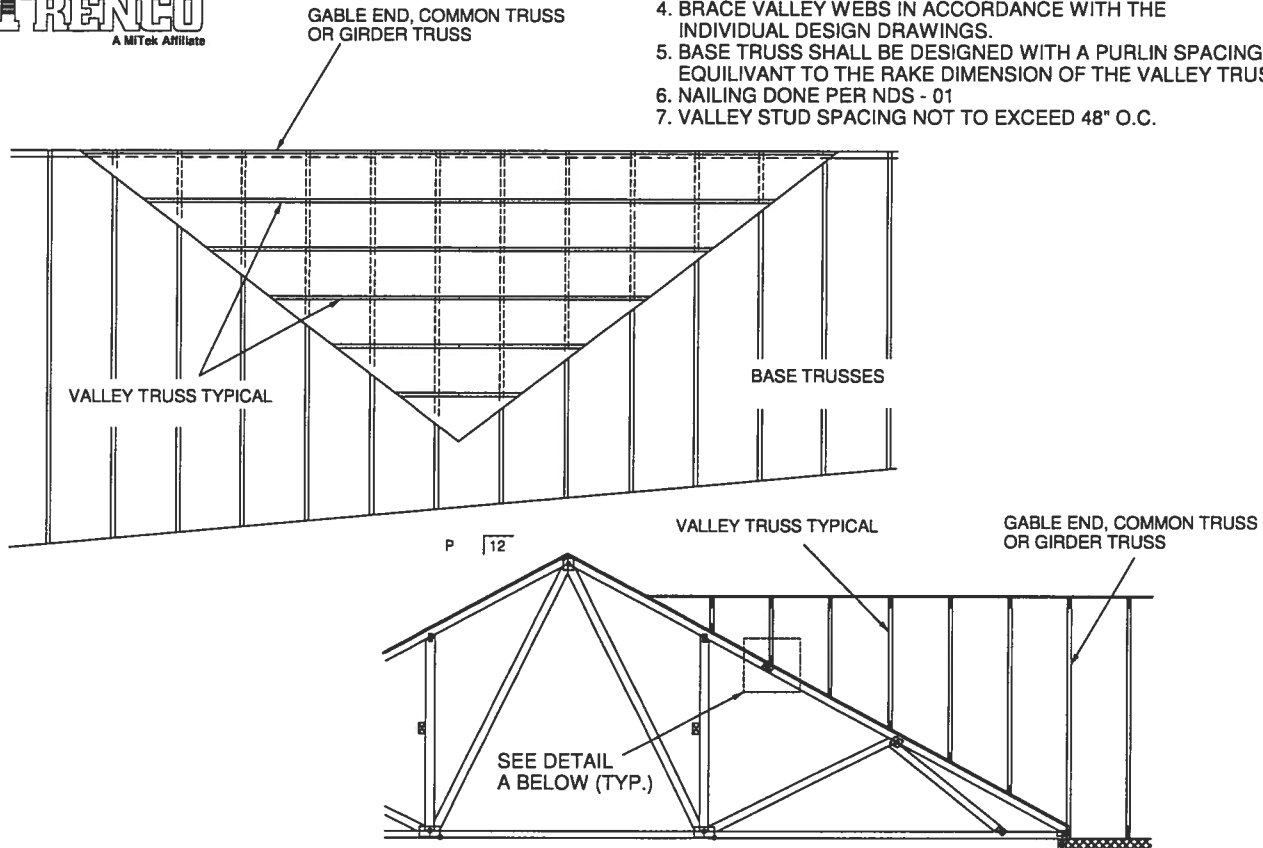
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GENERAL SPECIFICATIONS

1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT
DO NOT USE DRYWALL OR DECKING TYPE SCREW
3. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
4. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
5. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUIVARIANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
6. NAILING DONE PER NDS - 01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.

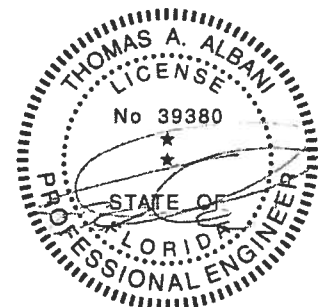


SECURE VALLEY TRUSS
W/ ONE ROW OF 10d
NAILS 6" O.C.

ATTACH 2x4 CONTINUOUS NO.2 SP
TO THE ROOF W/ TWO USP WS3 (1/4" X 3")
WOOD SCREWS INTO EACH BASE TRUSS.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES

DETAIL A
(NO SHEATHING)
N.T.S.



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January 19, 2018

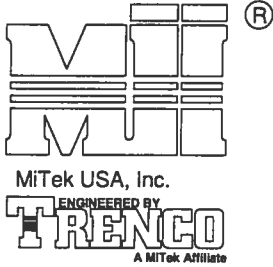
AUGUST 1, 2016

TRUSSED VALLEY SET DETAIL

MII-VALLEY HIGH WIND2

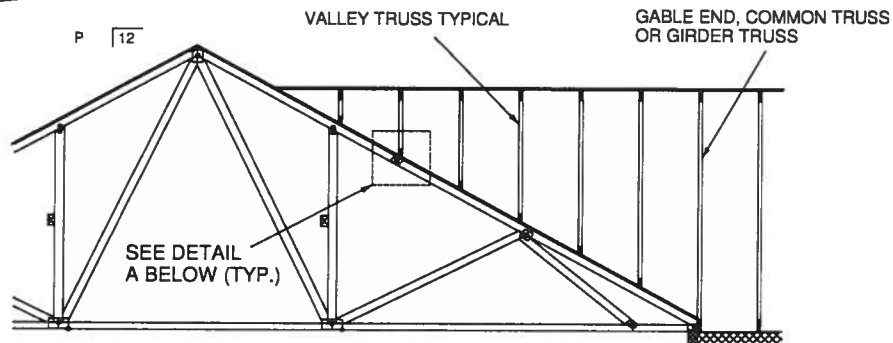
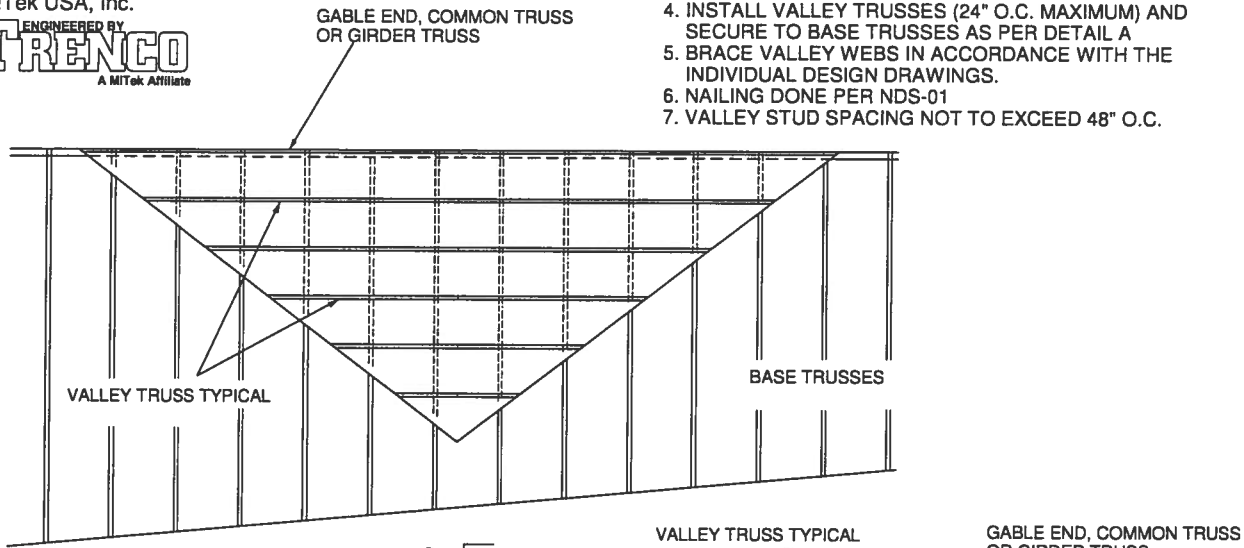
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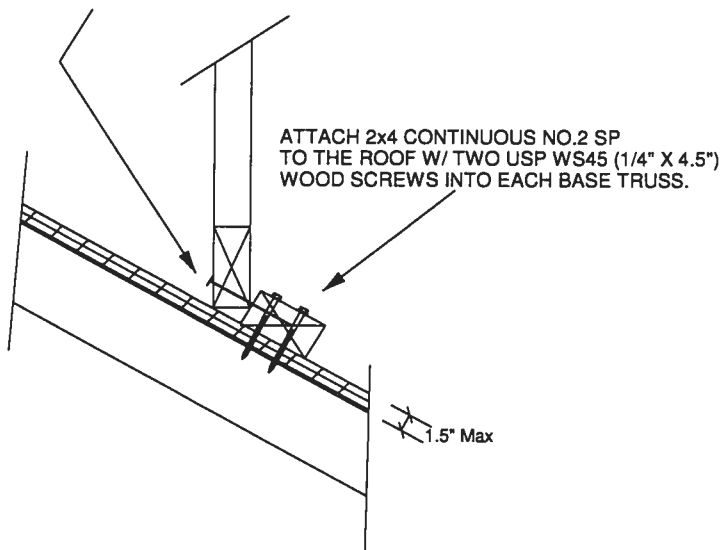


GENERAL SPECIFICATIONS

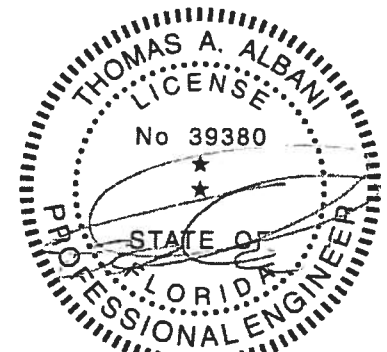
1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 4.5" WS45 USP OR EQUIVARIANT
3. INSTALL SHEATHING TO TOP CHORD OF BASE TRUSSES.
4. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE TO BASE TRUSSES AS PER DETAIL A
5. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
6. NAILING DONE PER NDS-01
7. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.



SECURE VALLEY TRUSS
W/ ONE ROW OF 10d
NAILS 6" O.C.

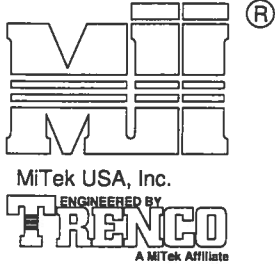


WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 6 PSF
ON THE TRUSSES



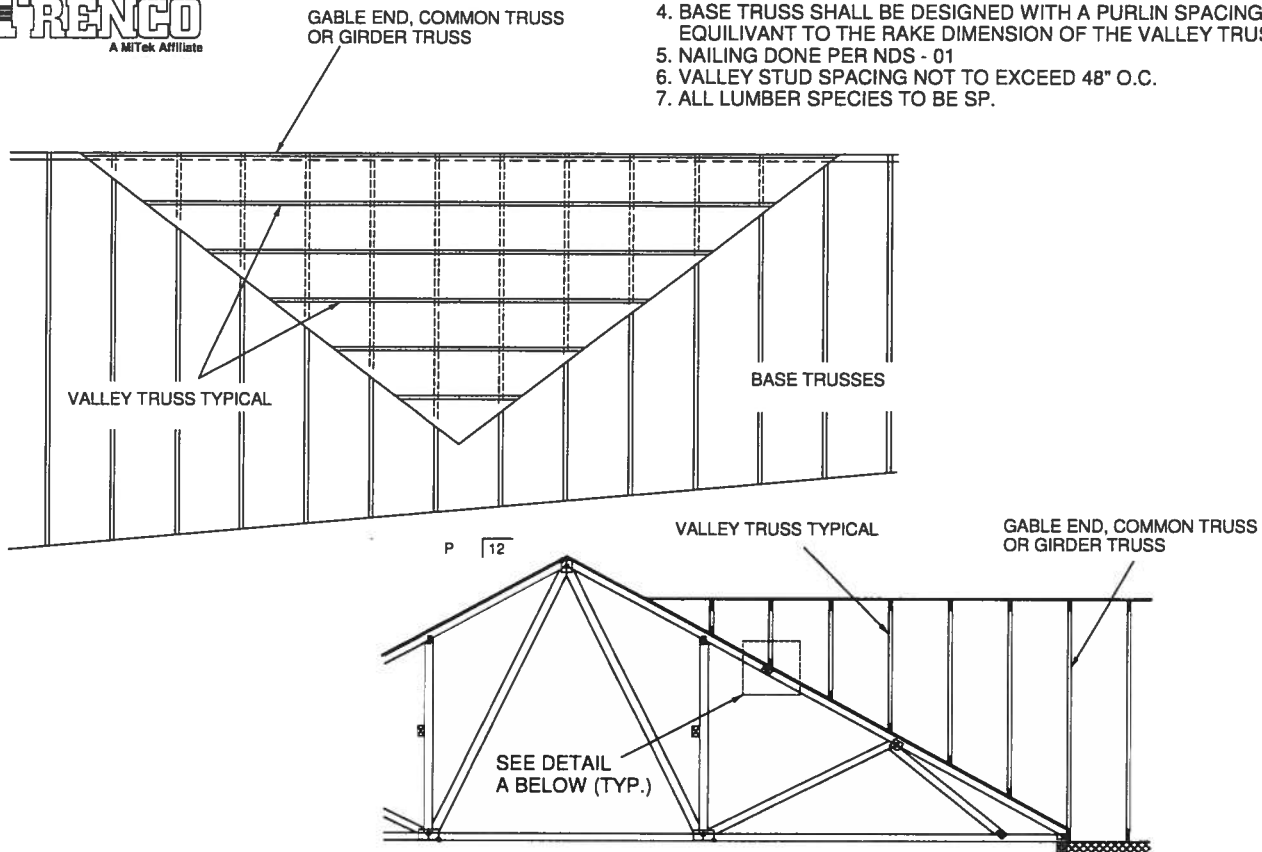
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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018

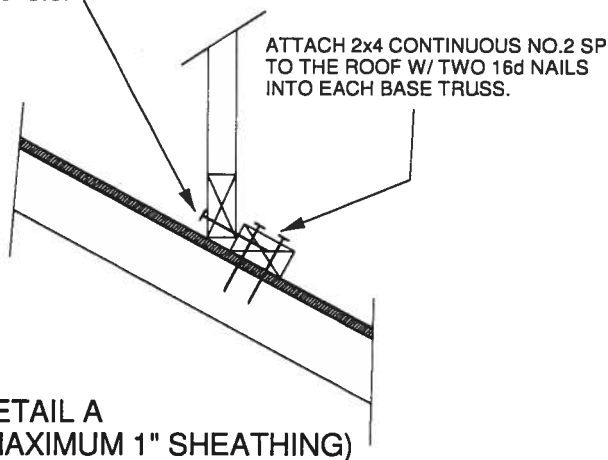


GENERAL SPECIFICATIONS

1. NAIL SIZE 16d (0.131" X 3.5")
2. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
3. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
4. BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUIVARIANT TO THE RAKE DIMENSION OF THE VALLEY TRUSS SPACING.
5. NAILING DONE PER NDS - 01
6. VALLEY STUD SPACING NOT TO EXCEED 48" O.C.
7. ALL LUMBER SPECIES TO BE SP.

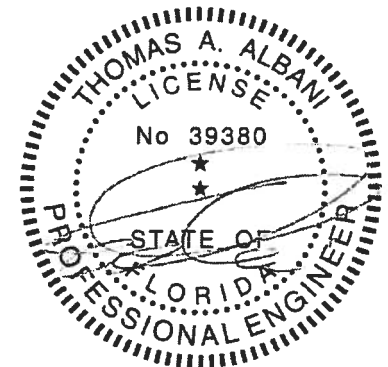


SECURE VALLEY TRUSS
W/ ONE ROW OF 16d
NAILS 6" O.C.



DETAIL A
(MAXIMUM 1" SHEATHING)
N.T.S.

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 120 MPH
WIND DESIGN PER ASCE 7-10 150 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 10/12
CATEGORY II BUILDING
EXPOSURE C OR B
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 60 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)
MINIMUM REDUCED DEAD LOAD OF 4.2 PSF
ON THE TRUSSES



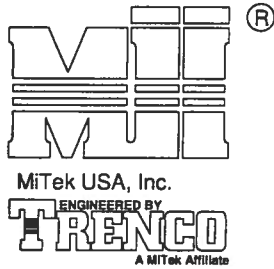
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February 12, 2018

AUGUST 1, 2016

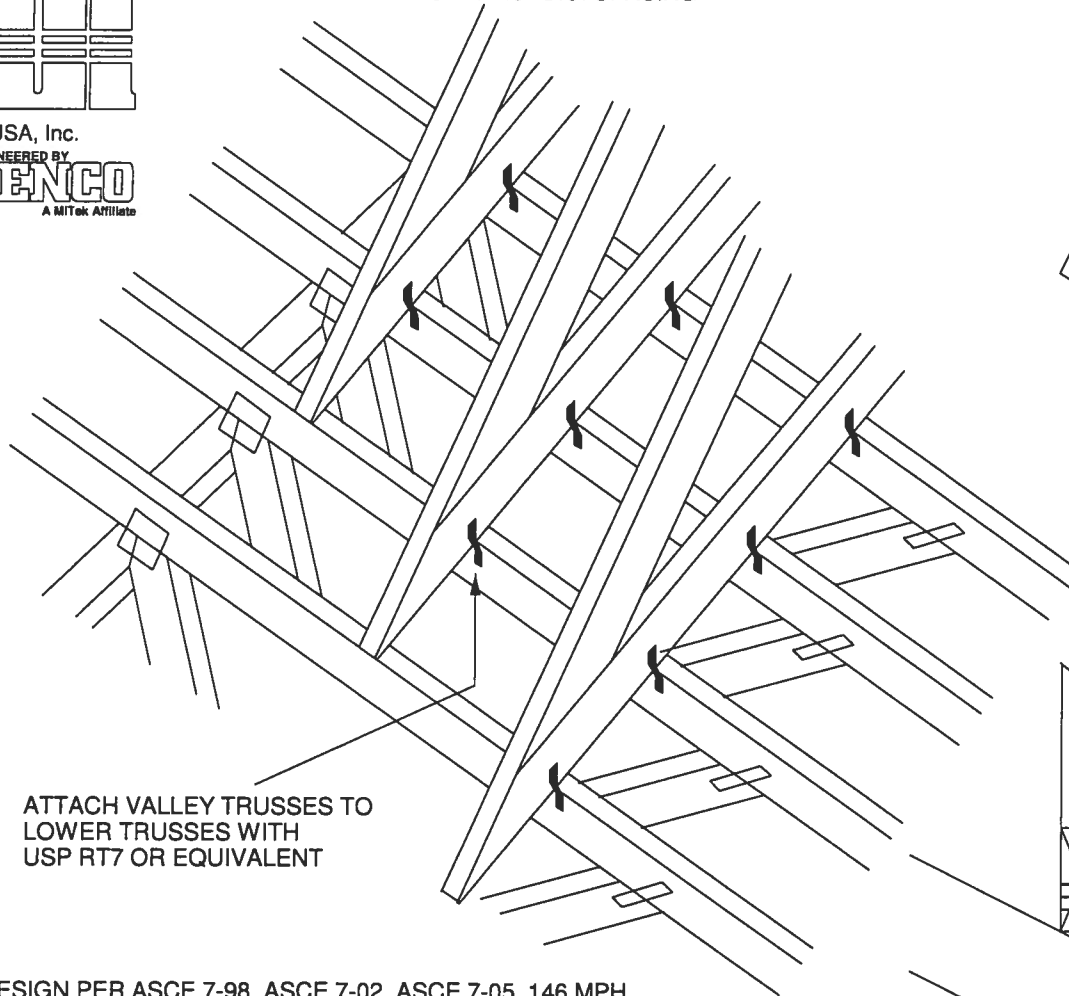
TRUSSED VALLEY SET DETAIL
(HIGH WIND VELOCITY)

MII-VALLEY

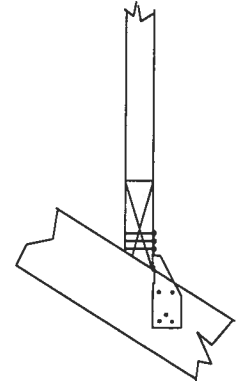


NOTE: VALLEY STUD SPACING NOT
TO EXCEED 48" O.C. SPACING

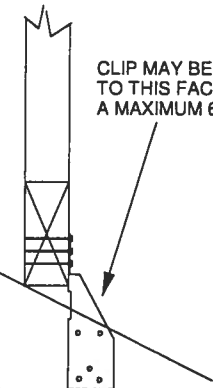
MiTek USA, Inc. Page 1 of 1



ATTACH VALLEY TRUSSES TO
LOWER TRUSSES WITH
USP RT7 OR EQUIVALENT



FOR BEVELED BOTTOM
CHORD, CLIP MAY BE
APPLIED TO EITHER FACE



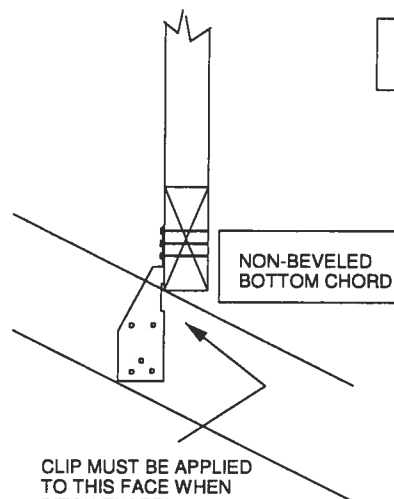
CLIP MAY BE APPLIED
TO THIS FACE UP TO
A MAXIMUM 6/12 PITCH

WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
WIND DURATION OF LOAD INCREASE : 1.6
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)

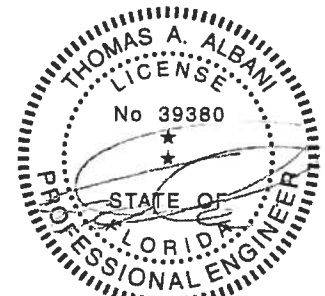
SUPPORTING TRUSSES DIRECTLY UNDER
VALLEY TRUSSES MUST BE DESIGNED
WITH A MAXIMUM UNBRACED LENGTH OF
2'-10" ON AFFECTED TOP CHORDS.

NOTES:

- SHEATHING APPLIED AFTER
INSTALLATION OF VALLEY TRUSSES
- THIS DETAIL IS NOT APPLICABLE FOR
SPF-S SPECIES LUMBER.



CLIP MUST BE APPLIED
TO THIS FACE WHEN
PITCH EXCEEDS 6/12.
(MAXIMUM 12/12 PITCH)



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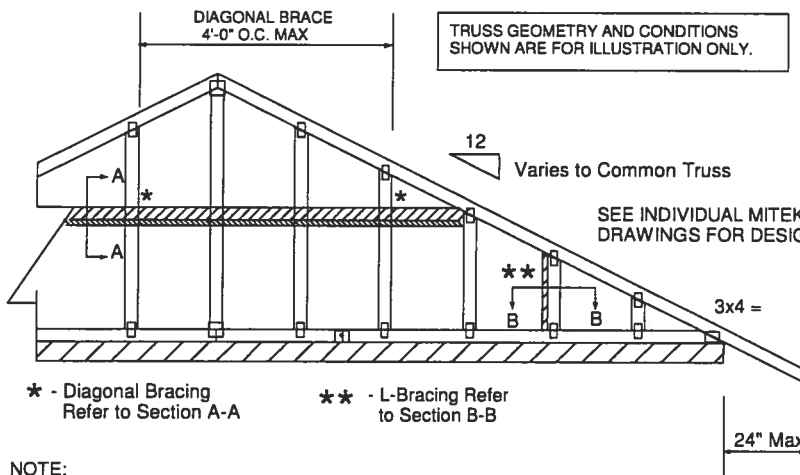
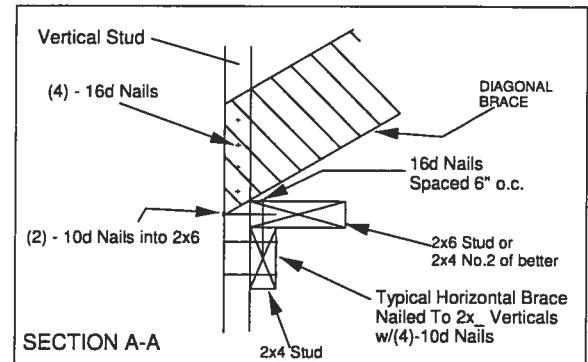
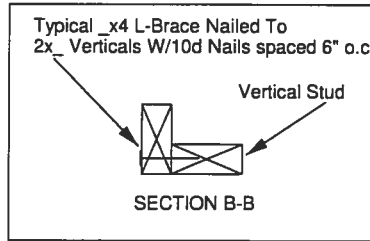
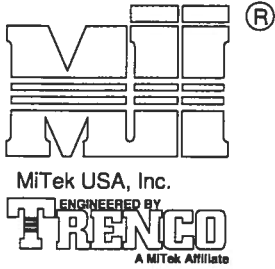
January 19, 2018

AUGUST 1, 2016

Standard Gable End Detail

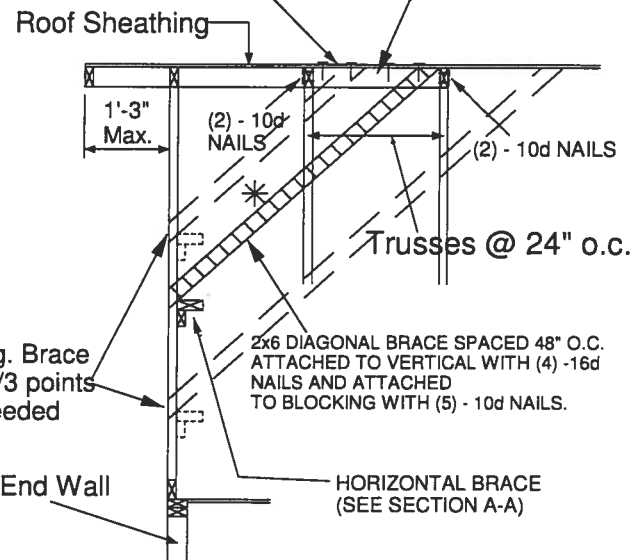
MII-GE146-001

MiTek USA, Inc. Page 1 of 2



PROVIDE 2x4 BLOCKING BETWEEN THE FIRST TWO TRUSSES AS NOTED. TOENAIL BLOCKING TO TRUSSES WITH (2) - 10d NAILS AT EACH END. ATTACH DIAGONAL BRACE TO BLOCKING WITH (5) - 10d NAILS.

(4) - 8d (0.131" X 2.5") NAILS MINIMUM, PLYWOOD SHEATHING TO 2x4 STD SP BLOCK



NOTE:

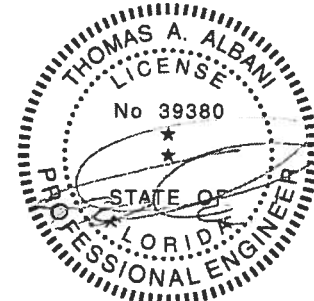
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF SYSTEM.
4. "L" BRACES SPECIFIED ARE TO BE FULL LENGTH. GRADES: 2x4 No 3/STUD SP OR BETTER WITH ONE ROW OF 10d NAILS SPACED 6" O.C.
5. DIAGONAL BRACE TO BE APPROXIMATELY 45 DEGREES TO ROOF DIAPHRAM AT 4'-0" O.C.
6. CONSTRUCT HORIZONTAL BRACE CONNECTING A 2x6 STUD AND A 2x4 STUD AS SHOWN WITH 16d NAILS SPACED 6" O.C. HORIZONTAL BRACE TO BE LOCATED AT THE MIDSPAN OF THE LONGEST STUD. ATTACH TO VERTICAL STUDS WITH (4) 10d NAILS THROUGH 2x4. (REFER TO SECTION A-A)
7. GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.
8. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
9. DO NOT USE FLAT BOTTOM CHORD GABLES NEXT TO SCISSOR TYPE TRUSSES.
10. NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
		Maximum Stud Length			
2x4 SP No 3/Stud	12" O.C.	3-11-3	6-8-0	7-2-14	11-9-10
2x4 SP No 3/Stud	16" O.C.	3-6-14	5-9-5	7-1-13	10-8-11
2x4 SP No 3/Stud	24" O.C.	3-1-8	4-8-9	6-2-15	9-4-7

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 I-braces attached to both edges. Fasten T and I braces to narrow edge of web with 10d nails 8" o.c., with 3" minimum end distance. Brace must cover 90% of diagonal length.

MAXIMUM WIND SPEED = 146 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

STUD DESIGN IS BASED ON COMPONENTS AND CLADDING.
CONNECTION OF BRACING IS BASED ON MWFRS.



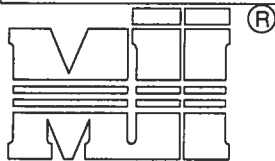
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January 19, 2018

OCTOBER 5, 2016

REPLACE BROKEN OVERHANG

MII-REP13B



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TRENCO
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Page 1 of 1

TRUSS CRITERIA:

LOADING: 40-10-0-10

DURATION FACTOR: 1.15

SPACING: 24" O.C.

TOP CHORD: 2x4 OR 2x6

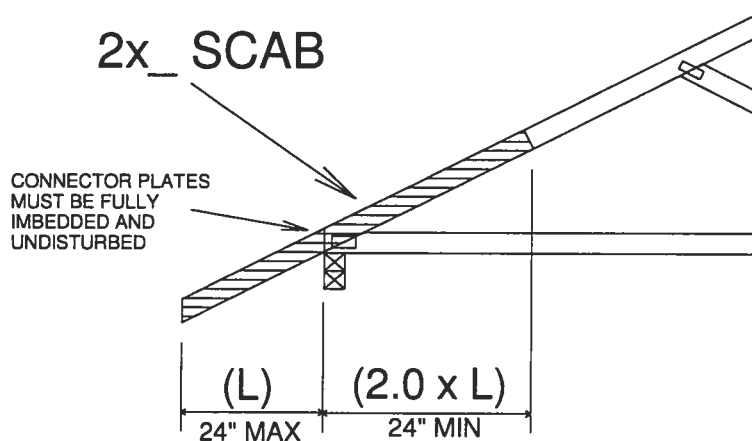
PITCH: 4/12 - 12/12

HEEL HEIGHT: STANDARD HEEL UP TO 12" ENERGY HEEL

END BEARING CONDITION

NOTES:

1. ATTACH 2x_ SCAB (MINIMUM NO.2 GRADE SPF, HF, SP, DF) TO ONE FACE OF TRUSS WITH TWO ROWS OF 10d (0.131" X 3") SPACED 6" O.C.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.

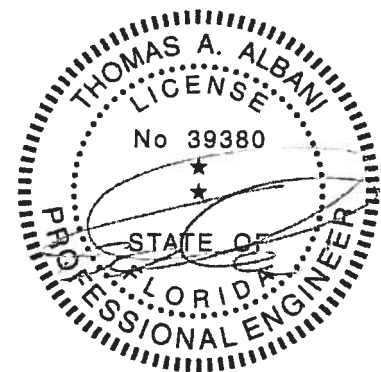


IMPORTANT

This detail to be used only with trusses (spans less than 40') spaced 24" o.c. maximum and having pitches between 4/12 and 12/12 and total top chord loads not exceeding 50 psf.

Trusses not fitting these criteria should be examined individually.

REFER TO INDIVIDUAL TRUSS DESIGN
FOR PLATE SIZES AND LUMBER GRADES



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February 12, 2018