

Lumber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

RE: 3213490 - GIEBEIG - SIMPSON/TURMAN

MiTek USA, Inc.

16023 Swingley Ridge Rd Site Information: Customer Info: GIEBEIG HOMES Project Name: Simpson/Turman Res. Model: Custom

Lot/Block: N/A

Subdivision: N/A

Address: 1567 SW CR 242A, N/A

State: FL City: Columbia Cty

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name:

License #:

Address:

City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2020/TPI2014

Design Program: MiTek 20/20 8.5

Wind Code: ASCE 7-16

Wind Speed: 130 mph

Roof Load: 37.0 psf

Floor Load: N/A psf

This package includes 13 individual, Truss Design Drawings and 0 Additional Drawings. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1 2 3 4 5 6 7 8 9 10 11 2 13	T28086079 T28086080 T28086081 T28086082 T28086083 T28086085 T28086085 T28086086 T28086087 T28086088 T28086089 T28086099	T01 T01G T02 T02G T03 T03G T04 T04G T05 T05G T06 T07	6/24/22 6/24/22 6/24/22 6/24/22 6/24/22 6/24/22 6/24/22 6/24/22 6/24/22 6/24/22
13	T28086091	V01	6/24/22



The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: Velez, Joaquin

My license renewal date for the state of Florida is February 28, 2023.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

June 24,2022

GIEBEIG - SIMPSON/TURMAN Job Truss Type Qty Ply Truss T28086079 T01 Common 3213490 Job Reference (optional) Builders FirstSource (Lake City,FL), Lake City, FL - 32055. 8.530 s Dec 6.2021 MiTek Industries, Inc. Thu Jun 23.09.16.59.2022 Page 1 ID.2jmv4WygRhB5xAfKERQk28z3SFU-ygQnchS9SVuu1DcOux216yw5NbS1lotORJh5?kz3RqY 16-10-0 5-10-4 22-8-4 5-10-3 27-11-14 33-8-0 Scale = 1:60.2 4x4 = 6.00 12 3x6 = 3x6 > 2x4 🖠 2x4 4 13 32 30 1528 16 31 12 14 3x4 = 3x6 = 4×6 3x4 = 3x6 = 3x8 = 3x6 =

	8-5-2 8-5-2		16-1		25-2-14				33-8-0			
Diata Office	late Offsets (X,Y) [10:0-2-15,Edge]			8-4-	14		8-	4-14			8-5-2	
Plate Offse	ets (X,Y)	[10:0-2-15,Eage]		_								
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	-0.22	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.38	12-14	>999	180	2.00000000	
BCLL	0.0	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS	v svinskino#end19801					Weight: 175 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.3 WEBS

(size) 2=0-3-8, 10=0-3-8

Max Horz 2=-197(LC 13)

Max Uplift 2=-534(LC 12), 10=-534(LC 13) Max Grav 2=1427(LC 2), 10=1427(LC 2)

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

TOP CHORD 2-3=-2513/882, 3-5=-2348/819, 5-6=-1619/660, 6-7=-1619/660, 7-9=-2348/819,

9-10=-2513/882

2-16=-872/2220, 14-16=-623/1830, 12-14=-487/1830, 10-12=-676/2220 **BOT CHORD** WEBS

6-14=-369/1151, 7-14=-610/415, 7-12=-152/538, 9-12=-276/262, 5-14=-610/415, 5-16=-151/538, 3-16=-276/262

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-10-6, Interior(1) 1-10-6 to 16-10-0, Exterior(2R) 16-10-0 to 20-2-6, Interior(1) 20-2-6 to 35-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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=534, 10=534.



Structural wood sheathing directly applied or 3-4-8 oc purlins.

Rigid ceiling directly applied or 6-3-8 oc bracing.

Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022

ters and READ NOTES ON THIS AND INCLUDED MITEK REPERENCE PAGE MII-7473 (ev. 5/19/2020 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 bucking 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/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN	
						T28086080
3213490	T01G	Common Supported Gable	1	1	10000000000000000000000000000000000000	
	11000000				Job Reference (optional)	
Builders FirstSour	ce (Lake City,FL), Lake	City, FL - 32055,		8.530 s De	c 6 2021 MiTek Industries, Inc. Thu Jun 23 09:17	7:01 2022 Page 1
		5 770 - 55534	ID:2imv4WvaRhB5xAf	KERQk28z3	SFU-u3YY1NUP 68cGXmn0L4VBN?U?PMmDsX	hvdAC3cz3RaW
, -1-6	6-0 ,	16-10-0	- 10		33-8-0	,35-2-0

1-6-0 Scale = 1.61.7

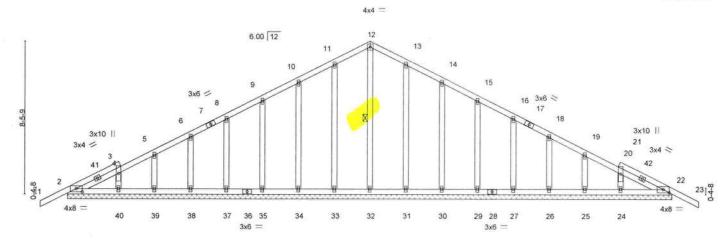


Plate Off	sets (X,Y)	[2:0-4-0,0-2-1], [22:0-4-0	0-2-1]			33-8-0						
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	23	n/r	120	MT20	244/190
CDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.01	23	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-S	188 18					Weight: 212 lb	FT = 20%

LUMBER-

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

BRACING-TOP CHORD

WEBS

33-8-0

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

16-10-0

BOT CHORD 1 Row at midpt

12-32

REACTIONS. All bearings 33-8-0

(lb) - Max Horz 2=190(LC 16)

Max Uplift All uplift 100 lb or less at joint(s) 2, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24, 22 Max Grav All reactions 250 lb or less at joint(s) 2, 32, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24, 22

16-10-0

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 10-11=-98/281, 11-12=-119/339, 12-13=-119/339, 13-14=-98/281

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-10-6, Exterior(2N) 1-10-6 to 16-10-0, Corner(3R) 16-10-0 to 20-2-6, Exterior(2N) 20-2-6 to 35-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) 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.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 33, 34, 35, 37, 38, 39, 40, 31, 30, 29, 27, 26, 25, 24, 22.



Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022



b	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON	I/TURMAN	T2808608
13490	T02	COMMON	5	1			12808608
		- Land Control of the			Job Reference (option		7.00.0000 0
uilders FirstSource	(Lake City,FL), Lake Cit	y, FL - 32055,	ID:2imv4\\\\\aPhi			ries, Inc. Thu Jun 23 09: OKVrw97m6zGo4hoCrsh	
	7-6	5-0	13-4-4	18-7-14		24-4-0 ,25-10)-0 j
	7-6	5-0	5-10-3	5-3-10		5-8-2 1-6-	0 1
		4x6 =					Scale = 1 52
		4x0 —					(500) (500)
	2 22 1/2	2					
1	6.00 12	4					
		16	17				
	15 /						
	13/		3x4 >				
	4x4 /		3				
	1//	- 11	The same of the sa	3x6	8		
_ 1	F8	11		\ 4			
8-9-8				Jo.	2×4 //		
60		11					
1.1		11			5		
5-0-8		< II			79		
2			//	\	//		
11				1	//	18	
11				\\ //			
		To The state of th		1		6	_ ,∞
1 1			[6]	10)			7 18
	11 3x6	10	9 19 20	8		× ×	2
		3x8 =	3x6 =	3x4 =		3x6 =	
	6842		Installations		9000000000		
	7-6		15-10-14 8-4-14		24-4-0 8-5-2		
late Offsets (X,Y)			8-4-14		8-5-2		
						The second second	
OADING (psf)	SPACING-	2-0-0 CSI.	DEFL.	in (loc)	I/defI L/d	PLATES	GRIP
CLL 20.0	Plate Grip DOL	1,25 TC 0.7		.14 8-10	>999 240	MT20	244/190
CDL 7.0	Lumber DOL	1.25 BC 0.7		.23 8-10	>999 180		
	Rep Stress Incr	YES WB 0.7		.03 6	n/a n/a		FT 9901
CLL 0.0 *	0 1 50000000						
CLL 0.0 * CDL 10.0	Code FBC2020/1	TPI2014 Matrix-MS	5			Weight: 137 lb	FT = 20%

BOT CHORD

except end verticals

Rigid ceiling directly applied or 8-9-10 oc bracing.

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

REACTIONS.

2x4 SP No.3 WEBS

(size) 11=0-3-8, 6=0-3-8

Max Horz 11=-347(LC 13)

Max Uplift 11=-337(LC 13), 6=-411(LC 13) Max Grav 11=970(LC 2), 6=1042(LC 2)

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

TOP CHORD 1-2=-774/358, 2-3=-760/374, 3-5=-1508/556, 5-6=-1676/616, 1-11=-864/421

BOT CHORD 10-11=-76/336, 8-10=-233/1068, 6-8=-444/1476 WEBS

2-10=-86/384, 3-10=-618/412, 3-8=-158/557, 5-8=-287/267, 1-10=-264/715

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 7-6-0, Exterior(2R) 7-6-0 to 10-6-0, Interior(1) 10-6-0 to 25-10-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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) 11=337, 6=411.



Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

June 24,2022



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN	T28086082
3213490	T02G	GABLE	1	1		1,000,000
		55555			Job Reference (optional)	

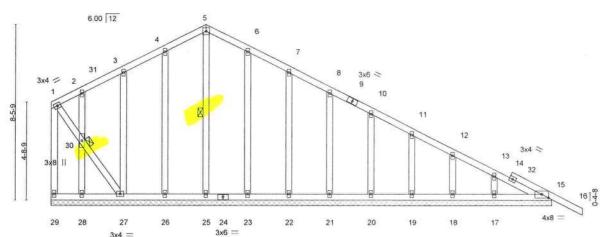
Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.530 s Dec 6 2021 MiTek Industries, Inc. Thu Jun 23 09:17:04 2022 Page 1 ID:2jmv4WygRhB5xAfKERQk28z3SFU-leDgfPWHH1WB7_VMhUeCp?d?EcNOQCG7bbPsgxz3RqT

24-4-0 16-10-0 25-10-0



Scale = 1:53.7



24-4-0 24-4-0

Plate Off	sets (X,Y)	[15:0-4-0,0-2-1]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.01	16	n/r	120	MT20	244/190
CDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	16	n/r	120	1982	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	15	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-S	100000000000000000000000000000000000000					Weight: 175 lb	FT = 20%

LUMBER-

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

BOT CHORD 2x4 SP No.3 WEBS

2x4 SP No.3 **OTHERS**

BRACING-TOP CHORD

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

except end verticals BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing WEBS 1 Row at midpt 5-25

JOINTS 1 Brace at Jt(s): 30

REACTIONS. All bearings 24-4-0.

(lb) -Max Horz 29=-331(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 26, 28, 23, 22, 21, 20, 19, 18, 17, 15 except 29=-164(LC 13),

27=-136(LC 12)

Max Grav All reactions 250 lb or less at joint(s) 29, 25, 26, 27, 28, 23, 22, 21, 20, 19, 18, 17, 15

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

TOP CHORD **BOT CHORD**

4-5=-93/259, 5-6=-93/260

28-29=-93/330, 27-28=-93/330, 26-27=-77/269, 25-26=-77/269, 23-25=-77/269,

22-23=-77/269, 21-22=-77/269, 20-21=-77/269, 19-20=-77/269, 18-19=-77/269,

17-18=-77/269, 15-17=-77/269

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) 0-1-12 to 3-1-12, Exterior(2N) 3-1-12 to 7-6-0, Corner(3R) 7-6-0 to 10-6-0, Exterior(2N) 10-6-0 to 25-10-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60
- 3) 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.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads
- 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.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 26, 28, 23, 22, 21, 20, 19, 18, 17, 15 except (jt=lb) 29=164, 27=136.



Joaquin Velez PE No.68182 MiTek Inc. DRA MiTek USA - FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Dates

June 24,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 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 amage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

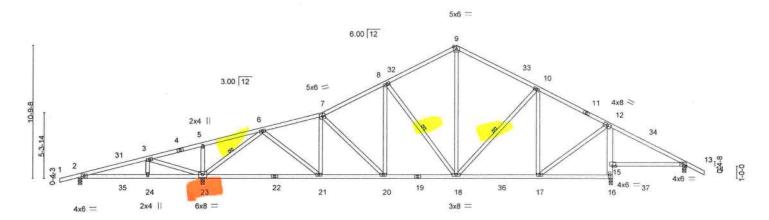


Job	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN
750x350	1750 TO				T28086083
3213490	Т03	Roof Special	10	1	
101972-9-20-0-20-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			1000	1000	Job Reference (optional)
Builders FirstSour	ce (Lake City.FL). Lake	City. FL - 32055.		3.530 s De	c 6 2021 MiTek Industries, Inc. Thu Jun 23 09:17:06 2022 Page 1

ID:2jmv4WygRhB5xAfKERQk28z3SFU-E0LR45XYoenvNlfkovgguQiG7QuNu_sQ2vuzlqz3RqR 49-8-0 37-6-0 43-8-0

10-1-12 19-10-12 25-0-0 4-5-12 4-10-8 5-10-0 6-2-0 6-0-0 4-10-8

Scale = 1:90.6



	l.	5-8-0 5-8-0	10-1-12 4-5-12		19-10-12 9-9-0	1 25-0-0 5-1-4	30-10 5-10-			37-6-0 6-8-0	_	43-8-0 6-2-0		9-8-0
LOADING	(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d		PLATES	GRIP
TCLL	20.0		Plate Grip DO	L 1.25	TC	0.47	Vert(LL)	0.13	15-30	>557	240		MT20	244/190
TCDL	7.0		Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.40	21-23	>999	180			
BCLL	0.0	•	Rep Stress In	cr YES	WB	0.62	Horz(CT)	0.04	16	n/a	n/a			
BCDL	10.0	1	Code FBC20	20/TPI2014	Matri	x-MS	1859 15						Weight: 289	lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

2x4 SP No.2 *Except* **BOT CHORD**

12-16: 2x6 SP No.2

2x4 SP No.3 WEBS

BRACING-TOP CHORD

WEBS

BOT CHORD

Structural wood sheathing directly applied or 4-5-12 oc purlins.

Rigid ceiling directly applied or 5-7-0 oc bracing. 1 Row at midpt 6-23 8-18 10-18

REACTIONS. All bearings 0-3-8.

Max Horz 2=253(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) except 2=-296(LC 8), 16=-529(LC 13), 13=-152(LC 13),

23=-835(LC 12)

All reactions 250 lb or less at joint(s) 13 except 2=264(LC 23), 16=1699(LC 2), 23=2026(LC 2)

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

TOP CHORD 2-3=-130/468, 3-5=-693/848, 5-6=-639/851, 6-7=-1590/616, 7-8=-1482/694,

8-9=-1080/635, 9-10=-1089/630, 10-12=-983/513, 12-13=-64/283 2-24=-419/177, 23-24=-419/177, 21-23=-412/880, 20-21=-560/1522, 18-20=-433/1289, **BOT CHORD**

17-18=-193/828, 15-16=-1613/938, 12-15=-1488/695 WEBS

3-24=-437/150, 3-23=-709/1236, 5-23=-250/206, 6-23=-2132/1128, 6-21=-317/816,

7-21=-265/260, 7-20=-338/177, 8-20=-99/418, 8-18=-634/397, 9-18=-293/654,

10-17=-481/265, 12-17=-389/1208

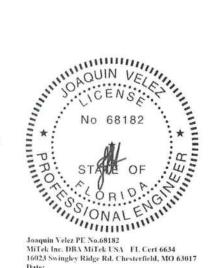
NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 3-5-10, Interior(1) 3-5-10 to 30-10-0, Exterior(2R) 30-10-0 to 35-9-10, Interior(1) 35-9-10 to 51-2-0 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) All plates are 3x6 MT20 unless otherwise indicated.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) *This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 2, 529 lb uplift at joint 16, 152 lb uplift at joint 13 and 835 lb uplift at joint 23.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022

🛦 WARNING - Verily design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL 7473 rev. 5/19/2020 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

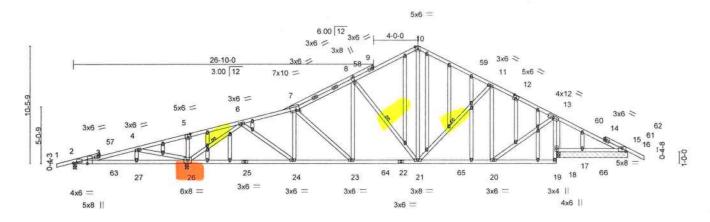
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN
					T28086084
3213490	T03G	GABLE	1	1	- 101AL-04-04-04-04
(2001) (2002) (2002) (2002) (2002)	10.55				Job Reference (optional)
Builders FirstSou	rce (Lake City FL). Lake	City. FL - 32055.		8.530 s De	c 6 2021 MiTek Industries, Inc. Thu Jun 23 09:17:09 2022 Page 1

ID:2jmv4WygRhB5xAfKERQk28z3SFU-fb1Zi6aQ5Z9UEmNJU1DNW3KmQdwQ5Mhskt6dL9z3RqO 49-8-0 19-10-12 30-10-0 37-6-0 43-8-0 15-0-12 25-0-0

Scale = 1:99.5



		5-8-0	10-2-12 10-3-8 4-6-12 0-0-12	19-10-12 9-7-4	25-0-0	5-10-0		37-6-0 6-8-0			8-0 49-8 4-0 6-0	
Plate Offset	s (X,Y)	[2:0-3-4,0-0-5], [2:0-0-9,E	dge], [5:0-3-0,0-	3-0], [7:0-4-	0,0-1-12], [8:0-5-0,0-1	1-0], [9:0-2-0,0-	1-8], [12	:0-3-0,0-3	-0], [15:0-4-	0,0-3-1]		
LOADING ((psf)	SPACING-	2-0-0	CSI.	DI	EFL. ir	(loc)	I/defl	L/d	PLA	TES	GRIP
TCLL 2	20.0	Plate Grip DOL	1.25	TC	0.47 Ve	ert(LL) -0.18	24-26	>999	240	MT2	0	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70 Ve	ert(CT) -0.37	24-26	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.55 Ho	orz(CT) 0.02	18	n/a	n/a			
BCDL 1	10.0	Code FBC2020/T	PI2014	Matrix	-MS					Wei	ght: 371 lb	FT = 20%

LUMBER-TOP CHORD **BOT CHORD** WEBS

2x4 SP No.2 2x4 SP No.2 2x4 SP No.3 2x4 SP No.3

BRACING-TOP CHORD **BOT CHORD**

WEBS

Structural wood sheathing directly applied or 4-5-12 oc purlins. Rigid ceiling directly applied or 6-0-0 oc bracing.

6-26, 8-21, 11-21 1 Row at midpt

All bearings 6-3-8 except (jt=length) 2=0-3-8, 26=0-3-8. REACTIONS.

(lb) - Max Horz 2=257(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 15, 17 except 2=-290(LC 8), 18=-540(LC 13), 26=-827(LC 12) Max Grav All reactions 250 lb or less at joint(s) 17, 15 except 2=268(LC 23), 18=1551(LC 2), 18=1432(LC 1), 15=259(LC 24), 26=2016(LC 2)

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

TOP CHORD

OTHERS

2-4=-154/390, 4-5=-958/939, 5-6=-911/950, 6-7=-1631/565, 7-8=-1492/642,

8-10=-1076/604, 10-11=-1097/597, 11-13=-995/482, 13-15=-90/255

BOT CHORD

2-27=-380/149, 26-27=-380/149, 24-26=-419/879, 23-24=-570/1540, 21-23=-454/1302,

20-21=-199/839, 13-18=-1449/691

WEBS

4-27=-433/144, 4-26=-761/1397, 5-26=-263/217, 6-26=-2219/1274, 6-24=-389/848,

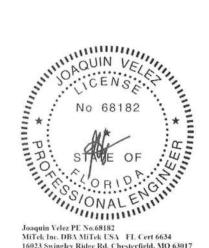
7-24=-272/298, 7-23=-315/150, 8-23=-70/386, 8-21=-636/408, 10-21=-276/657.

11-20=-475/267, 13-20=-415/1226

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 3-5-10, Interior(1) 3-5-10 to 30-10-0, Exterior(2R) 30-10-0 to 35-9-10, Interior(1) 35-9-10 to 51-2-0 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
- 3) 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.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 17, 15 except (jt=lb) 2=290, 18=540, 26=827.



MiTek Inc. DBA MiTek USA FL Cert 6634 16923 Swingley Ridge Rd. Chesterfield, MO 63017

June 24.2022

tors and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 tov. 5/19/2020 REFORE 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



ob	Truss	Truss Type		Qty	Ply		GIEBEIG - S	IMPSON/TURN	IAN	T2808608
213490	T04	Roof Special		5		1	Job Reference	ce (optional)		12000000
Builders FirstSource	(Lake City,FL), Lake City	, FL - 32055,		ID 0		s Dec	6 2021 MiTe	ek Industries, In		17:10 2022 Page 1
	5-8-0	11-6-0	, 1	8-2-0 ID:2jmv4VVy	24-	4-0	K2823SFU-7	30-4-0	31-10-0 1-6-0	sw?zXsAubz3RqN
	5-8-0	5-10-0	1	6-8-0	6-2	2-0		6-0-0	1-6-0	
			4x4 =							Scale = 1:69
12	0.00 [_	3							
	6.00 1	20		21						
	3	3x4 = 2			1 🗢					
	19	1		4		6 🗢				
	4x4 = 19				5					
10-9-8	1 1		-				3x8 <			
		10					A			
	5-0-8				20	//	/ `		22	
	3								_	
					//		9		8 14 8 18	1-0-0
- 1	15	22	13 42	24			4x6	= 2		11
	2x4	14	13 12 x6 =	24 11 3x4			10 3x6		3x6 =	
		3X4 — 3	3x8 =	384						
				8-2-0	24	4-0		30-4-0	9	
	5-8-0	, 11-6-0	. 1	8-2-0						
late Offsets (X.Y)-	5-8-0 5-8-0 [7:0-2-15,Edge]	11-6-0 5-10-0		3-8-0	6-2			6-0-0	1	
Plate Offsets (X,Y)-	5-8-0 - [7:0-2-15,Edge]	5-10-0		5-8-0	6-2	2-0	l/doft 1		DIATES	CDID
OADING (psf)	5-8-0	5-10-0			6-2	2-0 oc)	I/defl L >625 24	/d	PLATES MT20	GRIP 244/190
OADING (psf)	5-8-0 - [7:0-2-15,Edge] SPACING-	2-0-0 1.25 1.25	CSI.	5-8-0 DEFL.	in (le 0.12 9-	0c) -18		/d .0 .0		

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2

2x4 SP No.2 *Except* BOT CHORD

6-10: 2x6 SP No.2

WEBS 2x4 SP No.3

REACTIONS. (size) 15=0-3-8, 10=0-3-8, 7=0-3-8

Max Horz 15=-340(LC 13)

Max Uplift 15=-327(LC 12), 10=-398(LC 13), 7=-174(LC 13) Max Grav 15=982(LC 2), 10=1273(LC 2), 7=298(LC 24)

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

1-2=-707/290, 2-3=-711/390, 3-4=-720/384, 4-6=-781/340, 1-15=-900/374 TOP CHORD 14-15=-79/336, 12-14=-165/667, 11-12=-97/648, 9-10=-1186/622, 6-9=-1065/413 **BOT CHORD**

WEBS

2-14=-326/201, 3-12=-127/338, 4-12=-157/255, 4-11=-270/137, 6-11=-165/806,

NOTES-

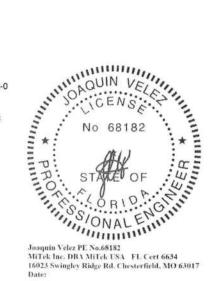
1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-2-2, Interior(1) 3-2-2 to 11-6-0, Exterior(2R) 11-6-0 to 14-6-6, Interior(1) 14-6-6 to 31-10-0 zone; porch right exposed C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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) 15=327, 10=398, 7=174.



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

2-12, 4-12

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

except end verticals

1 Row at midpt

MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MITENS 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Ply GIEBEIG - SIMPSON/TURMAN Job Truss Truss Type Qty T28086086 3213490 T04G Roof Special Job Reference (optional) 8.530 s Dec 6 2021 MiTek Industries, Inc. Thu Jun 23 09 17:11 2022 Page 1 ID 2jmv4WygRhB5xAfKERQk28z3SFU-b_8K7obgdBPBT3XibSGrbUQ7KRg5ZJD9CBbkQ1z3RqM Builders FirstSource (Lake City,FL), Lake City, FL - 32055. 18-2-0 24-4-0 30-4-0 31-10-0 11-6-0 5-10-0 6-8-0 6-2-0 6-0-0 Scale = 1:72.8 3 6.00 12 20 3x4 = 3x4 > 3x6 < 4 4x12 > 6 3x10 13 24 23 10 9 14 12 11 3x6 2x4 || 3x6 = 3x4 = 3x4 = 2x4 | 3x4 11 24-0-0 11-6-0 18-2-0 30-4-0 6-0-0 Plate Offsets (X,Y)--[7:0-2-15,Edge] LOADING (psf) SPACING-2-0-0 CSI DEFL **PLATES** GRIP (loc) I/defl L/d 1.25 TCLL 20.0 Plate Grip DOL TC 0.44 Vert(LL) -0.06 11-12 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 BC 0.44 Vert(CT) -0.11 9-18 >723 180 BCLL 0.0 Rep Stress Incr YES WB 0.36 Horz(CT) 0.01 n/a n/a BCDL Code FBC2020/TPI2014 Matrix-MS Weight: 200 lb FT = 20%LUMBER-BRACING-

TOP CHORD 2x4 SP No.2

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

TOP CHORD

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

2-12, 4-12

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:

6-0-0 oc bracing: 10-11.

WEBS 1 Row at midpt

REACTIONS. All bearings 6-3-8 except (jt=length) 15=0-3-8.

Max Horz 15=-340(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) except 15=-326(LC 12), 9=-385(LC 13), 7=-188(LC 13)

All reactions 250 lb or less at joint(s) except 15=977(LC 2), 9=1247(LC 2), 9=1125(LC 1), 7=321(LC Max Grav 24), 7=316(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown TOP CHORD 1-2=-703/293, 2-3=-705/395, 3-4=-714/389, 4-6=-765/352, 1-15=-895/378

BOT CHORD 14-15=-79/336, 12-14=-165/663, 11-12=-95/635, 6-9=-1046/401

WEBS 2-14=-322/204, 3-12=-126/335, 4-12=-147/254, 4-11=-280/129, 6-11=-152/804,

1-14=-252/761

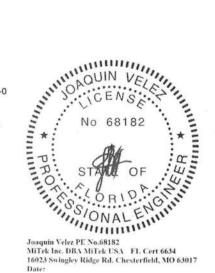
NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-2-2, Interior(1) 3-2-2 to 11-6-0, Exterior(2R) 11-6-0 to 14-6-6, Interior(1) 14-6-6 to 31-10-0 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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 326 lb uplift at joint 15, 385 lb uplift at joint 9, 188 lb uplift at joint 7 and 188 lb uplift at joint 7.



16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

June 24,2022

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 5/19/2020 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

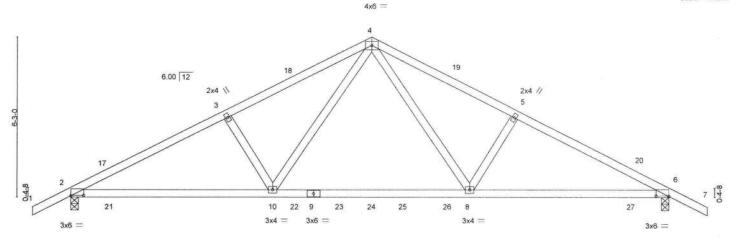
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



1	Job	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN	T28086087
	3213490	T05	Common	1	1	Job Reference (optional)	12000007
	Builders FirstSource (Lake	City,FL), Lake City, FL -	32055,			ec 6 2021 MiTek Industries, Inc. Thu Jun 23 09:1 ERQk28z3SFU-3AiiK8cIOUX25D6u99n48hyElry9l	
	, -1-6-0	6-1-7	11-9-0	000	17-4-9	23-6-0	, 25-0-0
	1-6-0	6-1-7	5-7-9		5-7-9	6-1-7	1-6-0

Scale = 1:43.4



	E	7-10-9		1-0-0		15-7-7		- 1			23-6-0	1
		7-10-9				7-8-14					7-10-9	
Plate Off	sets (X,Y)	[2:0-6-0,0-0-3], [6:0-6-0,0	-0-3]									
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.25	8-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.22	8-10	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS						Weight: 110 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.3

(size) 2=0-3-8, 6=0-3-8

Max Horz 2=-142(LC 13)

Max Uplift 2=-431(LC 9), 6=-431(LC 8) Max Grav 2=1013(LC 2), 6=1013(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-1613/2082, 3-4=-1495/2081, 4-5=-1495/2081, 5-6=-1613/2082

BOT CHORD 2-10=-1756/1415, 8-10=-1065/935, 6-8=-1775/1415

WEBS 4-8=-1008/643, 5-8=-321/313, 4-10=-1008/643, 3-10=-321/313

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-9-0, Exterior(2R) 11-9-0 to 14-9-0, Interior(1) 14-9-0 to 25-0-0 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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 431 lb uplift at joint 2 and 431 lb uplift at joint 6.



Structural wood sheathing directly applied or 4-4-1 oc purlins.

Rigid ceiling directly applied or 3-9-1 oc bracing.

Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022

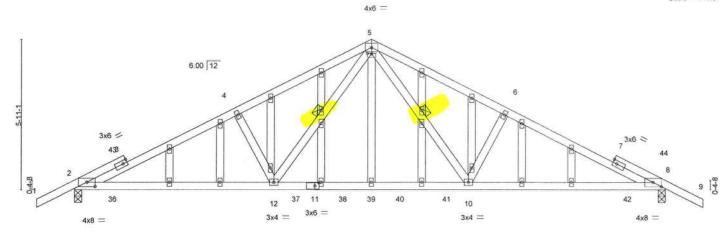
Marking - Verily design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT 7473 (ev. 5/19/2020 BEFORE USE Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design in to 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Tr	uss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN	T28086088
3213490	T05G	G	ABLE	1	1		120000000
						Job Reference (optional)	
Builders FirstSour	ce (Lake City,FL),	Lake City, FL - 3205	55,		8.530 s De	c 6 2021 MiTek Industries, Inc. Thu Jun 23 09:17	114 2022 Page 1
			ID	2jmv4WygRhB5x/	AfKERQk28z	3SFU-0ZqSlqeZw6nmKXGHGapYD62bQed5mg9	bu8qO1Mz3RqJ
, -1-6-	0	6-5-6	, 11-9-0		17-0-10	23-6-0	25-0-0
1-6-0	0	6-5-6	5-3-10		5-3-10	6-5-6	1-6-0

Scale = 1.44.0



		7-10-	9			15-7-7			4		23-6-0	1
	r	7-10-	9			7-8-14			1		7-10-9	1
Plate Offse	ets (X,Y)	[2:0-4-0,0-2-1], [5:0-2-0,0										
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	0.58	Vert(LL)	0.34	10-35	>819	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	0.30	10-35	>933	180	100000000	
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	-0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS	A GABIOMORA O					Weight: 153 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*

2-5,5-8: 2x4 SP M 31

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

2x4 SP No 3 **OTHERS**

REACTIONS.

(size) 2=0-3-8, 8=0-3-8

Max Horz 2=135(LC 16) Max Uplift 2=-429(LC 9), 8=-429(LC 8) Max Grav 2=1006(LC 2), 8=1006(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1685/2550, 4-5=-1598/2565, 5-6=-1598/2565, 6-8=-1685/2550

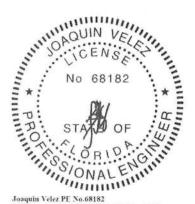
BOT CHORD 2-12=-2220/1518, 10-12=-1262/957, 8-10=-2210/1518

4-12=-365/494, 5-12=-1296/726, 5-10=-1296/726, 6-10=-365/494 WEBS

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-0 to 1-6-0, Exterior(2N) 1-6-0 to 11-9-0, Corner(3R) 11-9-0 to 14-9-0, Exterior(2N) 14-9-0 to 25-0-0 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
- 3) 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.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 429 lb uplift at joint 2 and 429 lb uplift at joint 8.



Structural wood sheathing directly applied or 5-4-8 oc purlins.

5-12, 5-10

Rigid ceiling directly applied or 2-11-1 oc bracing.

1 Row at midpt

Joaquin Velez PF No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-7473 rev. 5/19/0026 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters show, 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

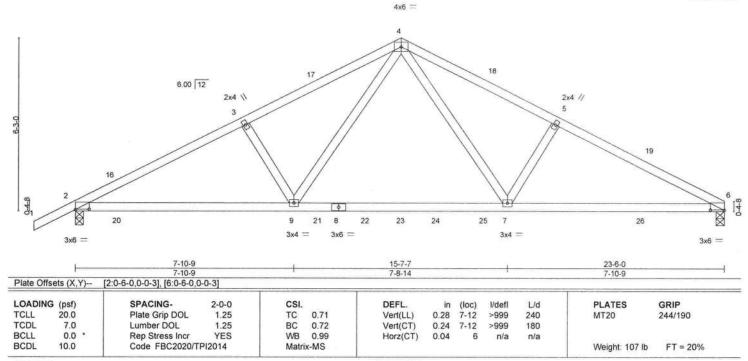
ANSITP! Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	GIEBEIG - SIMPSON/TURMAN	
(2013-0.1s)	The state of the s	90-000-00-00-00-00-00-00-00-00-00-00-00-			DODANIA MARKE PROFESSIONAL ALAS BOARDA DOVE	T28086089
3213490	T06	Common	5	1		
			(5)2		Job Reference (optional)	
Builders FirstSource	(Lake City,FL), Lake	City, FL - 32055,		8.530 s De	c 6 2021 MiTek Industries, Inc. Thu Jun 23	09:17:15 2022 Page 1
			ID:2jmv4V	VygRhB5xAfKER	Qk28z3SFU-UlOrzAeBhPvdyhrTqlKnmKak6	2zYVzHI7oZxZoz3RqI
-1-6-0	6-1-7	. 1	1-9-0	17-4	9 , 23-6	-0
1-6-0	6-1-7	5	-7-9	5-7-	9 6-1-	.7

Scale = 1:40.2



BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.3

(size) 6=0-3-8, 2=0-3-8

Max Horz 2=158(LC 16)

Max Uplift 6=-408(LC 8), 2=-432(LC 9) Max Grav 6=945(LC 2), 2=1016(LC 2)

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

2-3=-1619/2094, 3-4=-1501/2093, 4-5=-1510/2099, 5-6=-1628/2100

BOT CHORD 2-9=-1824/1420, 7-9=-1115/940, 6-7=-1816/1431

WEBS 4-7=-1018/655, 5-7=-328/318, 4-9=-1005/643, 3-9=-321/313

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-9-0, Exterior(2R) 11-9-0 to 14-9-0, Interior(1) 14-9-0 to 23-6-0 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
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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 408 lb uplift at joint 6 and 432 lb uplift at joint 2.



Structural wood sheathing directly applied or 4-2-7 oc purlins.

Rigid ceiling directly applied or 3-6-15 oc bracing.

Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

June 24,2022



b	Truss	Truss Type	Q	y Ply	GIEBEIG - SIMPS	SON/TURMAN	
							T2808609
13490	T07	Common	4	1	Job Reference (op	otional)	
Builders FirstSource (Lake City,FL), Lake Ci	ty, FL - 32055,	Master Sta		ec 6 2021 MiTek Ind	dustries, Inc. Thu Jun 23	3 09:17:16 2022 Page 1
-1-6-0	6-1-7	4	11-9-0 ID:2jmv4V	/ygRhB5xAfKER 17-4	Qk28z3SFU-yyyDA\ I-9	VfpSj1UZqQfO?r0IX7?08	SloEbouLSJV5Fz3RqH -6-0
1-6-0	6-1-7		5-7-9	5-7	-9		1-7
							Scale = 1.40
			4x4 =				3555335. N.35
	38						
			4				
				_			
	000000		17////\	1	18		
	6.00			1/			
	6.00	2x4 \\	//// `			2×4 //	
	6.00					2x4 // 5	
	6.00	2x4 \\					
	6.00	2x4 \\					40
	6.00	2x4 \\					19
	6.00	2x4 \\					19
		2x4 \\					
87 2 RT		2x4 \\					
A CONTRACTOR		2x4 \\\ 3	20	21 8	7		
1		2x4 \\\ 3 9	20	21 8	7 3vd =		
4		2x4 \\\ 3			7 3x4 =		
4		2x4 \\\ 3 9 3x4 =		21 8			

DEFL.

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

I/defl

>999

n/a

(loc)

7-9

7-9 >999

-0.13

-0.21

0.04

L/d

240

180

n/a

Structural wood sheathing directly applied or 4-2-7 oc purlins.

Rigid ceiling directly applied or 7-10-12 oc bracing.

PLATES

Weight: 107 lb

MT20

GRIP

244/190

FT = 20%

LUMBER-

TCLL

TCDL

BCLL

BCDL

LOADING (psf)

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

20.0

7.0

0.0

10.0

2x4 SP No.3 WEBS

REACTIONS. (size) 6=0-3-8, 2=0-3-8

Max Horz 2=158(LC 16)

Max Uplift 6=-335(LC 13), 2=-389(LC 12) Max Grav 6=945(LC 2), 2=1015(LC 2)

SPACING-

Plate Grip DOL

Rep Stress Incr

Code FBC2020/TPI2014

Lumber DOL

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

TOP CHORD 2-3=-1617/656, 3-4=-1500/658, 4-5=-1508/672, 5-6=-1626/670

BOT CHORD 2-9=-545/1419, 7-9=-260/939, 6-7=-520/1429

WEBS 4-7=-277/654, 5-7=-328/311, 4-9=-265/642, 3-9=-321/305

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 11-9-0, Exterior(2R) 11-9-0 to 14-9-0, Interior(1) 14-9-0 to 23-6-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

2-0-0

1.25

1.25

YES

CSI.

TC

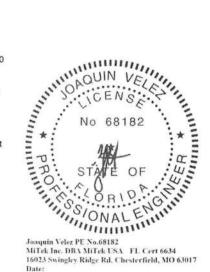
BC

WB 0.27

0.38

0.72

- 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 335 lb uplift at joint 6 and 389 lb uplift at joint 2.



16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

June 24,2022

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ob	Truss	Truss Type		Qty	P	ly	GIEBEI	G - SIMPSON/T	URMAN	T28086091
213490	V01	GABLE		1		1				12000009
		ASSET PROVIDE					Job Ref	erence (optional)	
Builders FirstSource	(Lake City,FL), Lake City,	FL - 32055,							s, Inc. Thu Jun 23 09:	
		12-3-8		ID:2jmv4vvygR	URDXVI	IKERQE	28235FU	24-7-1	9LB_syjMFrlgDhsnnz	5A1a622enz3RqG
-		12-3-8						12-3-8		
				3x6 =						Scale = 1:42.
				Ana.						
				7						
1			770	ý (h						
			. //		89					
			56	790	, g	25				
1	6.00	12	24	135	A	25				
		4 /				//	10			
		A					Fal .			
2		3	11 1					11		
6-1-12										
ď			4-7-0					19	12	
	2		4						26	
1	23								B	
			11 1	400				11		
				4-0-0	11			11		13
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	*******	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	000000000000000000000000000000000000000	0000000000000	XXXXX	00000	000000	00000000000	300000000000000000000000000000000000000	A CONTRACTOR OF THE CONTRACTOR
3x6 =	22	21 20	19 18		17	33	16	15	14	3x6 ◇
		3x6					22	100		
		3,0	_				14			
				24-7-1						
n	1700051-1100000	. 01 140 0 0 4 0 4 0		24-7-1						
Plate Offsets (X,Y)-	[7:0-3-0,Edge], [9:0-0-0,0-0)-0], [19:0-2-1,0-1-8]								
LOADING (psf)	SPACING-	2-0-0	SI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL		C 0.13	Vert(LL)	n/a	(100)	n/a	999	MT20	244/190
TCDL 7.0	Lumber DOL		BC 0.16	Vert(CT)	n/a		n/a	999	III LAS	m s. M. D. S. S.
3CLL 0.0 *	Rep Stress Incr		VB 0.07		0.00	13	n/a	n/a		
JULL U.U										

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3 **OTHERS** 2x4 SP No.3

REACTIONS. All bearings 24-7-1.

(lb) - Max Horz 1=-125(LC 13)

Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 18, 17, 21, 15 except 20=-103(LC 12), 22=-178(LC 12),

16=-104(LC 13), 14=-178(LC 13)

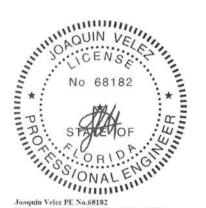
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 20, 21, 16, 15 except 18=315(LC 19), 17=301(LC 2),

22=292(LC 25), 14=292(LC 26)

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

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-7-9 to 3-7-9, Interior(1) 3-7-9 to 12-3-8, Exterior(2R) 12-3-8 to 15-3-8, Interior(1) 15-3-8 to 23-11-8 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) All plates are 2x4 MT20 unless otherwise indicated.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) * 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 18, 17, 21, 15 except (jt=lb) 20=103, 22=178, 16=104, 14=178.



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

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

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

Joaquin Velez PE No.68182 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

June 24,2022

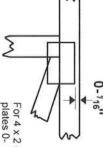


Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss

required direction of slots in connector plates This symbol indicates the

* Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

4 × 4

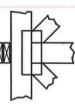
to slots. Second dimension is the length parallel to slots. width measured perpendicular The first dimension is the plate

LATERAL BRACING LOCATION



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

BEARING



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

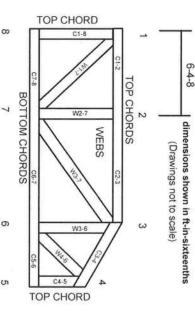
Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction Design Standard for Bracing.

DSB-89

Building Component Safety Information, Guide to Good Practice for Handling, Connected Wood Trusses. Installing & Bracing of Metal Plate

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO

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

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

established by others section 6.3 These truss designs rely on lumber values Lumber design values are in accordance with ANSI/TPI 1

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered. Truss bracing must be designed by an engineer. For
- Never exceed the design loading shown and never stack materials on inadequately braced trusses

ω

- Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
- Cut members to bear tightly against each other
- Place plates on each face of truss at each locations are regulated by ANSI/TPI 1. joint and embed fully. Knots and wane at joint
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- shall not exceed 19% at time of fabrication Unless otherwise noted, moisture content of lumber
- Unless expressly noted, this design is not applicable for

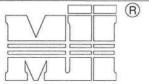
use with fire retardant, preservative treated, or green lumber.

- Camber is a non-structural consideration and is the camber for dead load deflection responsibility of truss fabricator. General practice is to
- 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
- 13 Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
- Connections not shown are the responsibility of others
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.

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

MII-T-BRACE 2

MiTek USA, Inc. Page 1 of 1



MiTek USA, Inc.

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.							

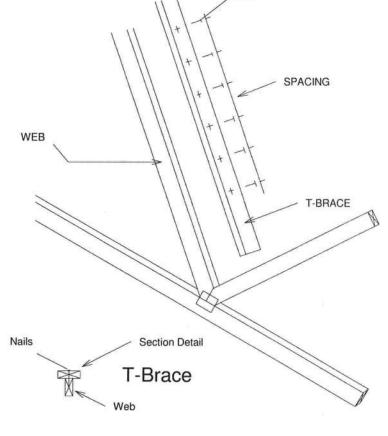
Note: Nail along entire length of T-Brace / I-Brace (On Two-Ply's Nail to Both Plies)

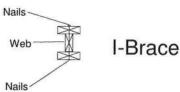
Nails

	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 Rows of La	Continuous iteral 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:

MiTek USA, Inc.

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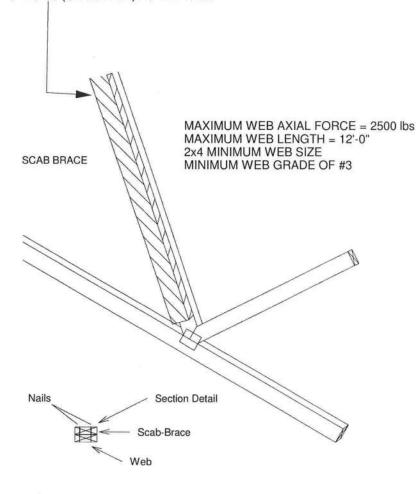


Note: Scab-Bracing to be used when continuous lateral bracing at midpoint (or T-Brace) is impractical.

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.



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STANDARD REPAIR TO REMOVE END VERTICAL (RIBBON NOTCH VERTICAL)

MII-REP05

MiTek USA, Inc. Page 1 of 1



MiTek USA, Inc. ENGINEERED BY 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.

THE LOADS INDICATED.

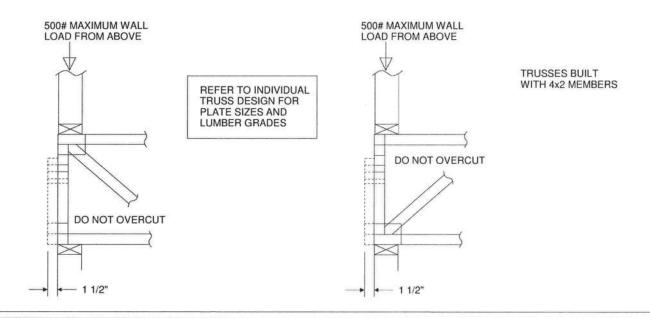
2. ALL MEMBERS MUST BE RETURNED TO THEIR ORIGINAL POSITIONS BEFORE APPLYING REPAIR AND HELD IN PLACE DURING APPLICATION OF REPAIR.

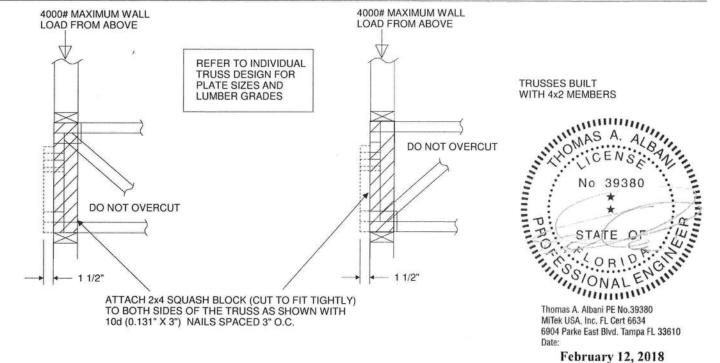
3. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD.

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 4X_ORIENTATION ONLY.

6. CONNECTOR PLATES MUST BE FULLY IMBEDDED AND UNDISTURBED.







Standard Gable End Detail

MII-GE130-D-SP

Page 1 of 2

(2) - 10d NAILS

Trusses @ 24" o.c.

2x6 DIAGONAL BRACE SPACED 48" O.C.

ATTACHED TO VERTICAL WITH (4) -16d

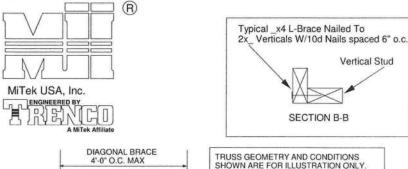
HORIZONTAL BRACE

(SEE SECTION A-A)

TO BLOCKING WITH (5) - 10d NAILS.

NAILS AND ATTACHED

MiTek USA, Inc.



Vertical Stud DIAGONAL (4) - 16d Nails BRACE 16d Nails Spaced 6" o.c. (2) - 10d Nails into 2x6 2x6 Stud or 2x4 No.2 of better Typical Horizontal Brace Nailed To 2x_ Verticals w/(4)-10d Nails SECTION A-A 2x4 Stud

Varies to Common Truss SEE INDIVIDUAL MITEK ENGINEERING DRAWINGS FOR DESIGN CRITERIA ** 3x4 =- Diagonal Bracing L-Bracing Refer

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

(2) - 10d

NAILS

SHEATHING TO 2x4 STD SPF BLOCK

Roof Sheathing

1'-3"

Max.

24" Max

Diag. Brace

at 1/3 points

End Wall

if needed

Refer to Section A-A

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. 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.
- THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES
- 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	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS			
and Grade		Maximum Stud Length							
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 I-braces attached to both edges. Fasten T and I 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.

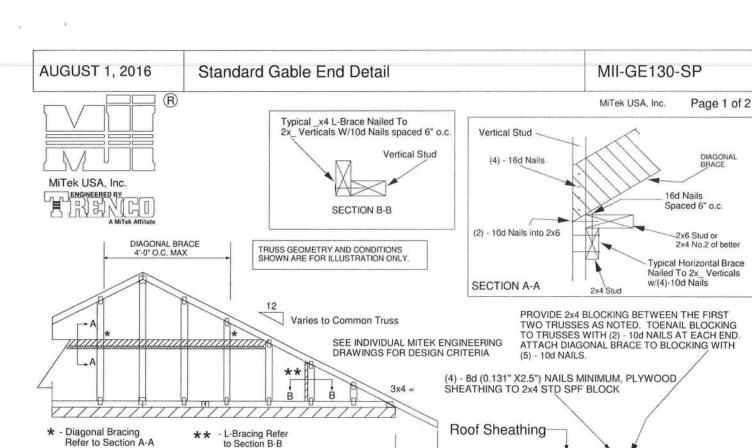
MAX MEAN ROOF HEIGHT = 30 FEET CATEGORY II BUILDING **EXPOSURE D** ASCE 7-98, ASCE 7-02, ASCE 7-05 130 MPH ASCE 7-10 160 MPH

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



24" Max

Diag. Brace

at 1/3 points

End Wall

if needed

1'-3'

Max.

- 10d

NAILS,

NOTE

1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS. 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)

GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240. THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES

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	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS			
Species and Grade		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 I-braces attached to both edges. Fasten T and I 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.



DIAGONAL

(2) - 10d NAILS

Trusses @ 24" o.c.

2x6 DIAGONAL BRACE SPACED 48" O.C.

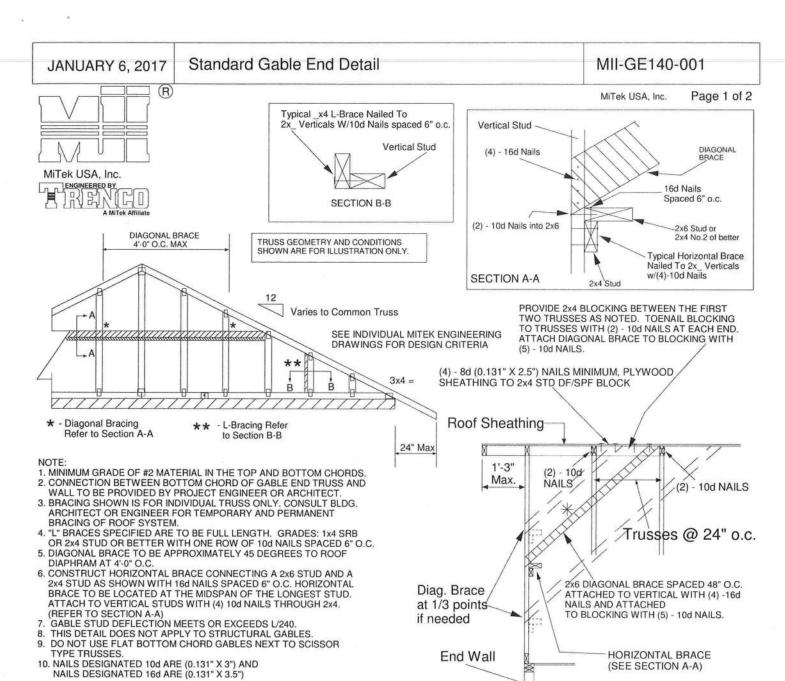
ATTACHED TO VERTICAL WITH (4) -16d NAILS AND ATTACHED

HORIZONTAL BRACE

(SEE SECTION A-A)

TO BLOCKING WITH (5) - 10d NAILS.

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Minimum Stud Size	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS			
Species and Grade		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.



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

January 19, 2018

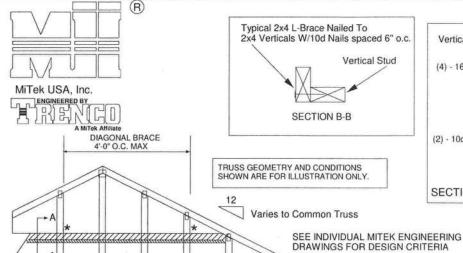


Standard Gable End Detail

MII-GE170-D-SP



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Vertical Stud 2X6 SP OR SPF No. 2 DIAGONAL BRACE (4) - 16d Nails 16d Nails Spaced 6" o.c. (2) - 10d Nails into 2x6 2X6 SP OR SPF No. 2 Typical Horizontal Brace Nailed To 2x4 Verticals w/(4)-10d Nails SECTION A-A 2X4 SP OR SPF No. 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 SPF BLOCK

- Diagonal Bracing Refer to Section A-A

- L-Bracing Refer to Section B-B

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)
GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.

THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.

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")

24" Max	9
1'-0" Max.	(2) - 10d NAILS (2) - 10d NAILS
1	Trusses @ 24" o.c.
Diag. Brace at 1/3 points if needed	2x6 DIAGONAL BRACE SPACED 48" O.C. ATTACHED TO VERTICAL WITH (4) -16d NAILS, AND ATTACHED TO BLOCKING WITH (5) -10d NAILS.
End Wall	HORIZONTAL BRACE (SEE SECTION A-A)

Roof Sheathing

3x4 =

Minimum Stud Size	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS		
Species and Grade		Maximum Stud Length					
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 I-braces attached to both edges. Fasten T and I 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 I 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.



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

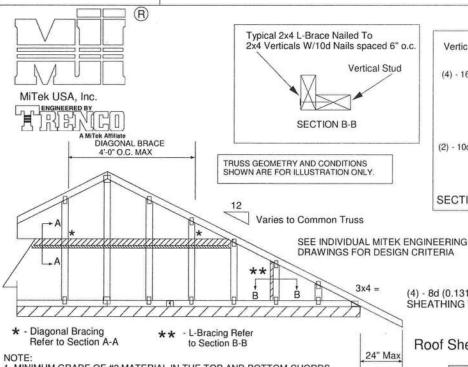


Standard Gable End Detail

MII-GE180-D-SP

MiTek USA, Inc.

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Vertical Stud 2X6 SP OR SPF No. 2 DIAGONAL BRACE (4) - 16d Nails 16d Nails Spaced 6" o.c. (2) - 10d Nails into 2x6 2X6 SP OR SPF No. 2 Typical Horizontal Brace Nailed To 2x4 Verticals w/(4)-10d Nails 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.

2X4 SP OR SPF No. 2

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

10g

NAILS

Roof Sheathing

1'-0'

Max.

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.

"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)
GABLE STUD DEFLECTION MEETS OR EXCEEDS L/240.

THIS DETAIL DOES NOT APPLY TO STRUCTURAL GABLES.
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.

NAILS DESIGNATED 10d ARE (0.131" X 3") AND NAILS DESIGNATED 16d ARE (0.131" X 3.5")

	-24	Was	1 1
Э.		Diag. Brad at 1/3 point if needed	ce nts/
		End V	Vall

2x6 DIAGONAL BRACE SPACED 48" O.C. ATTACHED TO VERTICAL WITH (4) -16d NAILS, AND ATTACHED TO BLOCKING WITH (5) -10d NAILS.

(2) - 10d NAILS

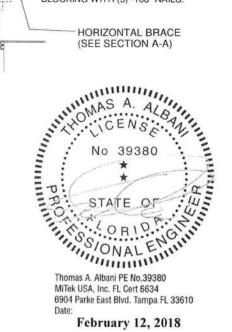
Trusses @ 24" o.c.

Minimum Stud Size Species	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS			
and Grade		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 I-braces attached to both edges. Fasten T and I 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 I 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.



(R)

MiTek USA, Inc.

ENGINEERED B

MiTek USA, Inc. Page 1 of 1

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

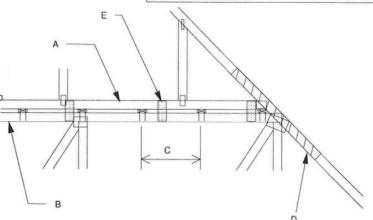
DETAIL IS NOT APPLICABLE FOR TRUSSES TRANSFERING DRAG LOADS (SHEAR TRUSSES). ADDITIONAL CONSIDERATIONS BY BUILDING ENGINEER/DESIGNER ARE REQUIRED

A - PIGGBACK 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: DIRECTIONS AND:

1. WIND SPEED OF 115 MPH OR LESS FOR ANY PIGGYBACK SPAN, OR

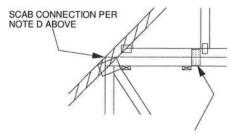
2. WIND SPEED OF 116 MPH TO 160 MPH WITH A MAXIMUM
PIGGYBACK SPAN OF 12 II.

E - FOR WIND SPEEDS BETWEEN 126 AND 160 MPH, ATTACH MITER 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)

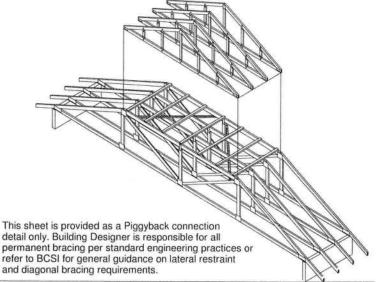


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

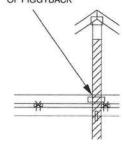
REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH Nail-On PLATES AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING.



FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 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.



VERTICAL WEB TO EXTEND THROUGH BOTTOM CHORD OF PIGGYBACK



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

VERTICAL WEBS OF PIGGYBACK AND BASE TRUSS MUST MATCH IN SIZE, GRADE, AND MUST LINE UP AS SHOWN IN DETAIL.

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)
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.

FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS. NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS. CONCENTRATED LOAD MUST BE APPLIED TO BOTH

THE PIGGYBACK AND THE BASE TRUSS DESIGN.

No 39380

STAITE OF JULY

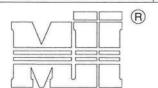
SS/ONAL ENGL

SS A. Albani PE No.39°
(SA, Inc. FL Cert 6°
(9 East Blvd. 7

STANDARD PIGGYBACK TRUSS CONNECTION DETAIL

MII-PIGGY-ALT 7-10

MiTek USA, Inc. Page 1 of 1



MiTek USA, Inc.



A - PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.

- PIGGBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
SHALL BE CONNECTED TO EACH PURLIN
WITH (2) 0(0.131" X 3.5") TOE-NAILED.

- BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- 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.
- 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
SCONTINUOUS OVER INTERSECTION ALL FAIST I.F. IIN BOTH 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

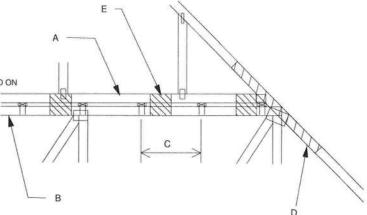
ADD 9" × 9" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 48" O.C. OR LESS. ATTACH WITH 3 - 6d (0. 113" X 2") NAILS INTO EACH CHORD FROM EACH SIDE (TOTAL - 12 NAILS)

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**

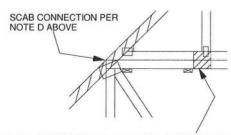
DURATION OF LOAD INCREASE: 1.60

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

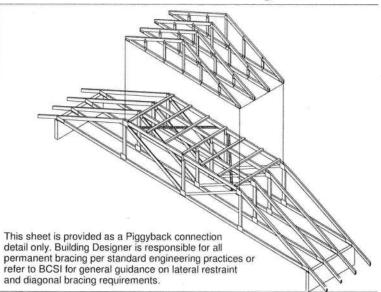


WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

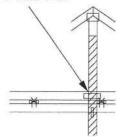
REPLACE TOE NAILING OF PIGGYBACK TRUSS TO PURLINS WITH PLYWOOD GUSSETS AS SHOWN, AND INSTALL PURLINS TO BOTTOM EDGE OF BASE TRUSS TOP CHORD AT SPECIFIED SPACING SHOWN ON BASE TRUSS MITEK DESIGN DRAWING



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)



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

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)

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.

FOR PIGGYBACK TRUSSES CARRYING GIRDER LOADS, NUMBER OF PLYS OF PIGGYBACK TRUSS TO MATCH BASE TRUSS. CONCENTRATED LOAD MUST BE APPLIED TO BOTH

THE PIGGYBACK AND THE BASE TRUSS DESIGN



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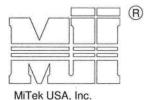
January 19, 2018

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

MII-REP01A1

MiTek USA, Inc.

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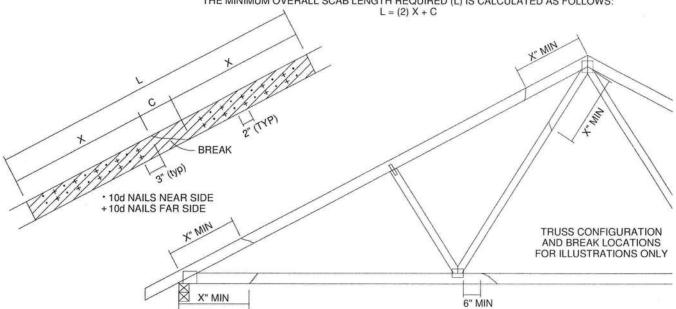
ENGINEERED BY

TOTAL NUMBER OF			MAXIMUM FORCE (lbs) 15% LOAD DURATION								
NAILS EACH SIDE OF BREAK *	X INCHES	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:



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 APPLING REPAIR
- AND HELD IN PLACE DURING APPLICATION OF REPAIR.
 THE END DISTANCE, EDGE DISTANCE AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID
- UNUSUAL SPLITTING OF THE WOOD.
- WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED TO AVOID LOOSENING OF THE CONNECTOR PLATES AT THE JOINTS OR SPLICES.

 THIS REPAIR IS TO BE USED FOR SINGLE PLY TRUSSES IN THE 2x_ORIENTATION ONLY.
- THIS REPAIR IS LIMITED TO TRUSSES WITH NO MORE THAN THREE BROKEN MEMBERS.

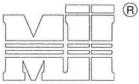


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January 19, 2018

MiTek USA, Inc.

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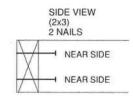
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NOTES:

- 1. 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



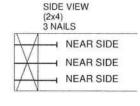
OE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail) DIAM. DF SPF-S HF SPF 131 69.9 88.0 3.5" LONG 80.6 68.4 59.7 63.4 .135 93.5 85.6 74.2 72.6 .162 108.8 99.6 86.4 84.5 73.8 LONG .128 57.6 50.3 74.2 67.9 58.9 75.9 59.0 51.1 69.5 60.3 .131 3.25" 64.6 63.2 .148 81.4 74.5 52.5

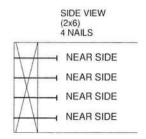
VALUES SHOWN ARE CAPACITY PER TOE-NAIL. APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

EXAMPLE:

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

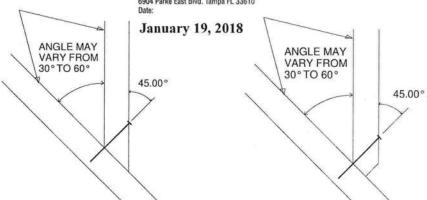
For load duration increase of 1.15: 3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity

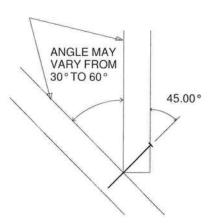






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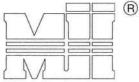


TRUSSED VALLEY SET DETAIL

MII-VALLEY HIGH WIND1

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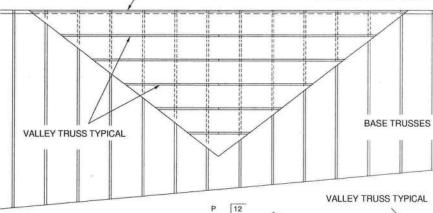


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GABLE END, COMMON TRUSS OR GIRDER TRUSS

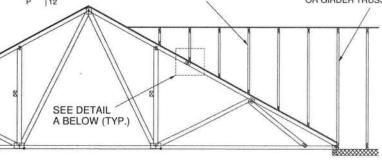
GENERAL SPECIFICATIONS

- 1. NAIL SIZE 10d (0.131" X 3")
- 2. WOOD SCREW = 3" WS3 USP OR EQUIVALENT DO NOT USE DRYWALL OR DECKING TYPE SCREW
- 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 EQUILIVANT 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.

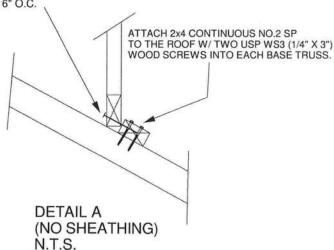


OR GIRDER TRUSS

GABLE END. COMMON TRUSS



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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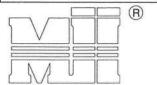
January 19, 2018

TRUSSED VALLEY SET DETAIL

MII-VALLEY HIGH WIND2

MiTek USA, Inc.

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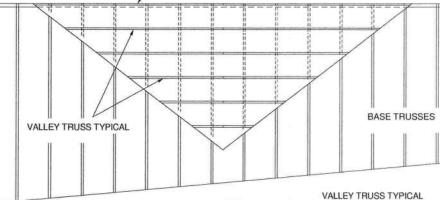


MiTek USA, Inc. ENGINEERED BY

GABLE END, COMMON TRUSS OR GIRDER TRUSS

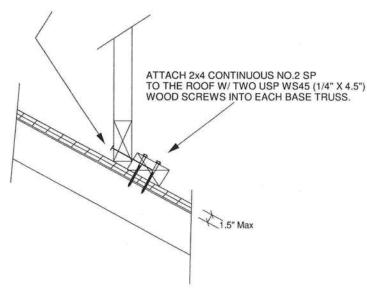
GENERAL SPECIFICATIONS

- 1. NAIL SIZE 10d (0.131" X 3")
 2. WOOD SCREW = 4.5" WS45 USP OR EQUILIVANT
 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.



GABLE END, COMMON TRUSS OR GIRDER TRUSS 12 SEE DETAIL A BELOW (TYP.)

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

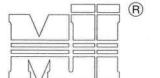
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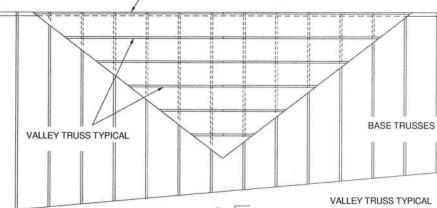
ENGINEERED BY

A MITCH ATTILIATE

GABLE END, COMMON TRUSS OR GIRDER TRUSS

GENERAL SPECIFICATIONS

- 1. NAIL SIZE 16d (0.131" X 3.5")
- INSTALL VALLÈY TRUSSES (24" O.C. MAXIMUM) AND SECURE PER DETAIL A
- BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
- BASE TRUSS SHALL BE DESIGNED WITH A PURLIN SPACING EQUILIVANT 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.



VALLEY TRUSS TYPICAL

GABLE END, COMMON TRUSS
OR GIRDER TRUSS

SEE DETAIL
A BELOW (TYP.)

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

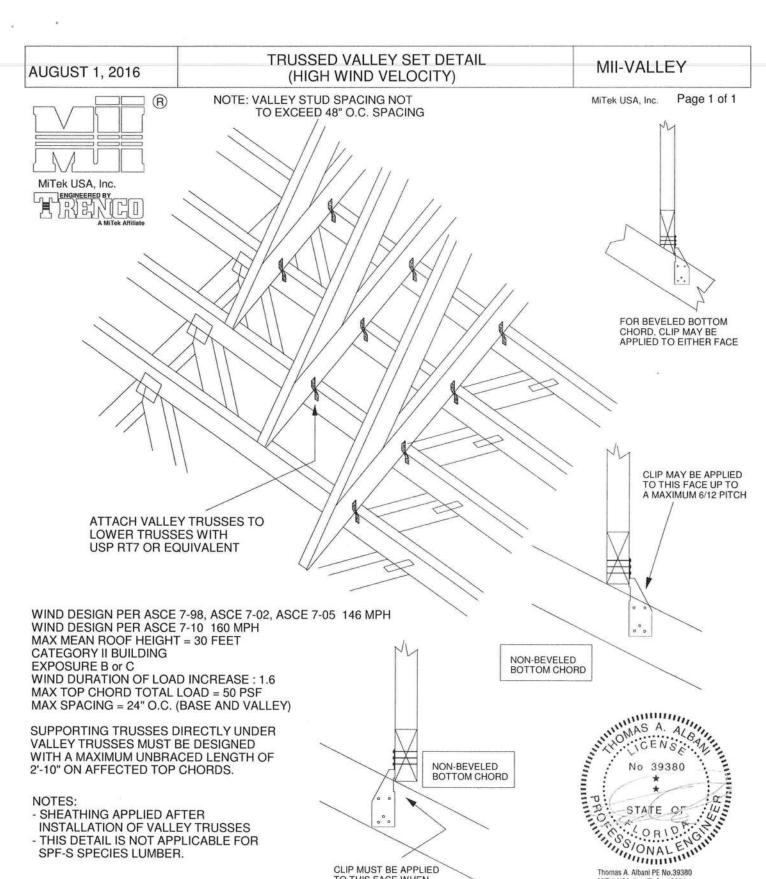
ATTACH 2x4 CONTINUOUS NO.2 SP
TO THE ROOF W/ TWO 16d NAILS
INTO EACH BASE TRUSS.

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



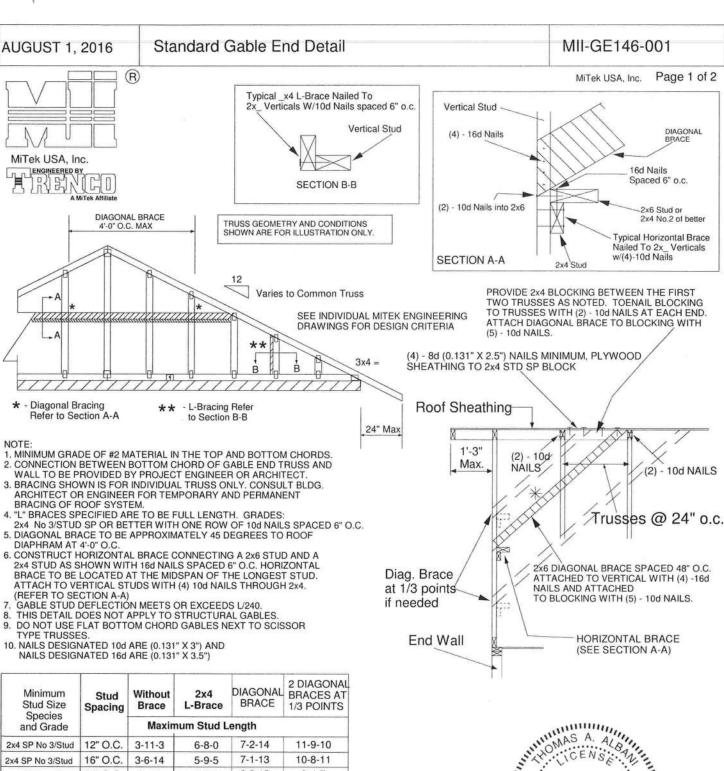
Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:



NOTES:

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

ON LON CLIP MUST BE APPLIED Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 TO THIS FACE WHEN PITCH EXCEEDS 6/12. 6904 Parke East Blvd. Tampa FL 33610 (MAXIMUM 12/12 PITCH) January 19, 2018



Minimum Stud Size	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS			
Species and Grade		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

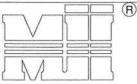
OCTOBER 5, 2016

REPLACE BROKEN OVERHANG

MII-REP13B

MiTek USA, Inc.

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MiTek USA, Inc.

ENGINEERED BY

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

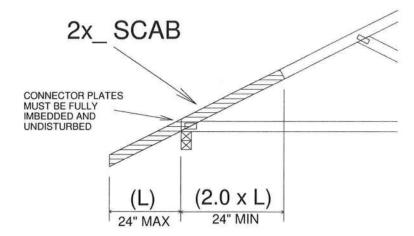
END BEARING CONDITION

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

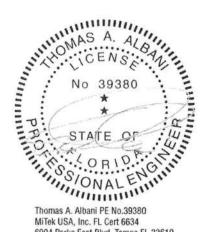
AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.

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.



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



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

LATERAL BRACING RECOMMENDATIONS

MII-STRGBCK

MiTek USA, Inc.

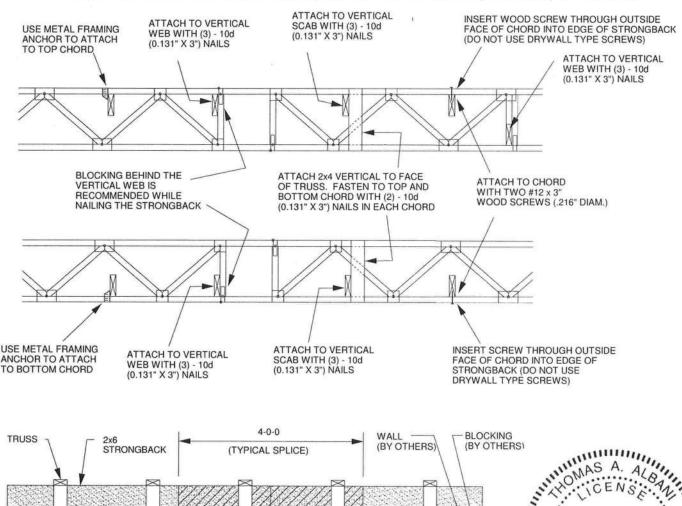
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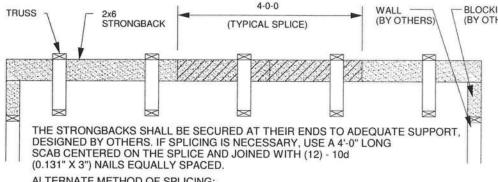


TO MINIMIZE VIBRATION COMMON TO ALL SHALLOW FRAMING SYSTEMS, 2x6 "STRONGBACK" IS RECOMMENDED, LOCATED EVERY 8 TO 10 FEET ALONG A FLOOR TRUSS.

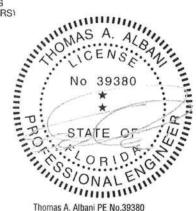
NOTE 1: 2X6 STRONGBACK ORIENTED VERTICALLY MAY BE POSITIONED DIRECTLY UNDER THE TOP CHORD OR DIRECTLY ABOVE THE BOTTOM CHORD. SECURELY FASTENED TO THE TRUSS USING ANY OF THE METHODS ILLUSTRATED BELOW.

NOTE 2: STRONGBACK BRACING ALSO SATISFIES THE LATERAL BRACING REQUIREMENTS FOR THE BOTTOM CHORD OF THE TRUSS WHEN IT IS PLACED ON TOP OF THE BOTTOM CHORD, IS CONTINUOUS FROM END TO END, CONNECTED WITH A METHOD OTHER THAN METAL FRAMING ANCHOR, AND PROPERLY CONNECTED, BY OTHERS, AT THE ENDS.





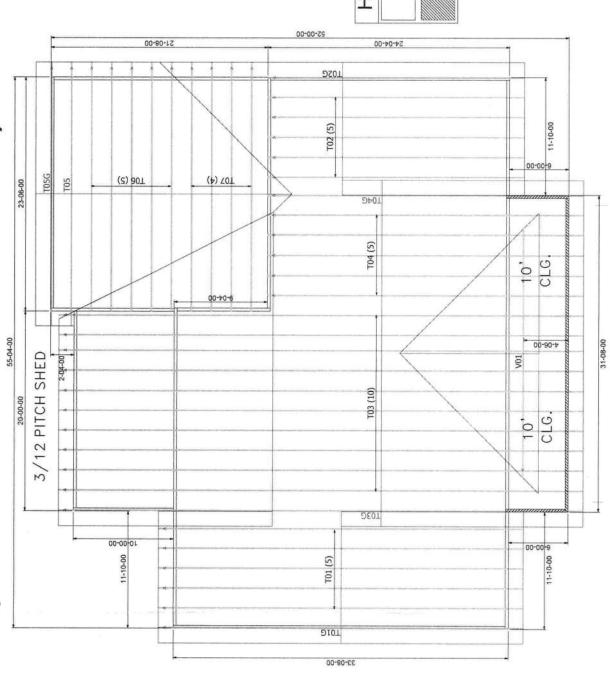
ALTERNATE METHOD OF SPLICING:
OVERLAP STRONGBACK MEMBERS A MINIMUM OF 4'-0" AND FASTEN WITH (12) - 10d
(0.131" X 3") NAILS STAGGERED AND EQUALLY SPACED.
(TO BE USED ONLY WHEN STRONGBACK IS NOT ALIGNED WITH A VERTICAL)



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

6/12 PITCH - 18" 0/H

THE ARROW HEAD AT THE EAST OF THE TRANS ON THE TRANS ON THE TRANS ON THE TRANS OF THE THE TRANS OF THE THE TRANS OF THE THE TRANS OF THE TRANS



Per ANNI/TPI 1-2002 all "Prust to Wall" connections use the responsibility of the Hauling Designer, not the Trust Manufesture.

Clex Manufestures specifications for all hunger vancations andes used septimates for all hunger vancations andes to the 2T a.c. L.N.O.

"Trusts are to the 2T a.c. L.N.O.
"All hangers are to be 5T a.c. L.N.O.
"See 104 vt. 1.22" Milk in hanger connections to smight pit. Builders It is the requiredulity of the Contrastor to ensure of the proper contentiation of the trace placement plans are or the construction decuments, and field conditions of the structure cerebistion. If a reversed or flapped layout is required, it will be supplied at no extra enot by Ruldene FirstSource. This truss placement plan was not resulted by an empirice, but shall be in the second section of the second section of the second section of the second section of the second section critical section of the second section critical section of the second section sectio ACL fumber is currisive to truss plates. Any ACL fur that curres in contact with truss plates t.e. scatibed in tailst must have an approved barrier applied first. Refer to IUSE/EH Summary Sheet-Guide for hundling Installing and Bracing of Metal Plate Connected Woo Truss prior to and during truss installation. uses are not designed to support brick U.N.O. rensions are Feet-Inches: Sixteenths All common framed cod or floor systems must be designed as to XVI impose any back on the floor I below. The floor trasses have not been designed to any additional loads from above or Gibble end transca enquire continuous buttam chore learing. Refecta focal codes for wall framing enginements. Lake City PHONE: 386-755-6894 FAX: 386-755-7973 Jacksonville PHONE: 904-772-6100 FAX: 904-772-1973 ogal Mitness Simpson/Turman GIEBEIG HOMES Tallahassee PHONE: 850-576-5177 No back charges will be accepted by Bailders FirstSource unless approved in writing first. 850-835-4541 Brawn By KLH Custom

10' 1-1/8" 9' 1-1/8" Hatch Legend

3213490 Encloh# 3213490 FIRSTSOURCE 6-23-22 Floor 1 data N/A

MITEK PLATE APPROVAL #'S 2197.2-2197.4, BOISE EWP PRODUCT #'S LVL FL1644-R2, BCI JOISTS FL1392-R2