



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

RE: 2552276 - EDGLEY CONST. - SEALS RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Project Name: Model:
Lot/Block: Subdivision:
Address:
City: State:

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: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 50 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	No.	Seal#	Truss Name	Date
1	T22027522	CJ01	12/1/20	23	T22027544	T07	12/1/20
2	T22027523	CJ03	12/1/20	24	T22027545	T08	12/1/20
3	T22027524	CJ05	12/1/20	25	T22027546	T09	12/1/20
4	T22027525	EJ01	12/1/20	26	T22027547	T10	12/1/20
5	T22027526	HJ09	12/1/20	27	T22027548	T11	12/1/20
6	T22027527	HJ10	12/1/20	28	T22027549	T12	12/1/20
7	T22027528	PB01	12/1/20	29	T22027550	T13	12/1/20
8	T22027529	PB02	12/1/20	30	T22027551	T14	12/1/20
9	T22027530	PB03	12/1/20	31	T22027552	T15	12/1/20
10	T22027531	PB04	12/1/20	32	T22027553	T16	12/1/20
11	T22027532	PB05	12/1/20	33	T22027554	T17	12/1/20
12	T22027533	PB06	12/1/20	34	T22027555	T18	12/1/20
13	T22027534	PB07	12/1/20	35	T22027556	T20	12/1/20
14	T22027535	PB08	12/1/20	36	T22027557	T21	12/1/20
15	T22027536	PB09	12/1/20	37	T22027558	T22	12/1/20
16	T22027537	T01	12/1/20	38	T22027559	T23	12/1/20
17	T22027538	T01G	12/1/20	39	T22027560	T24	12/1/20
18	T22027539	T02	12/1/20	40	T22027561	T25	12/1/20
19	T22027540	T03	12/1/20	41	T22027562	T26	12/1/20
20	T22027541	T04	12/1/20	42	T22027563	T27	12/1/20
21	T22027542	T05	12/1/20	43	T22027564	T28	12/1/20
22	T22027543	T06	12/1/20	44	T22027565	T29	12/1/20



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-Jacksonville.

Truss Design Engineer's Name: Finn, Walter

My license renewal date for the state of Florida is February 28, 2021.

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.



Walter P. Finn PE No. 22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1, 2020

Finn, Walter

1 of 2

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RE: 2552276 - EDGLEY CONST. - SEALS RES.

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Project Name: Model: Subdivision:
Lot/Block: Address: State:
City:

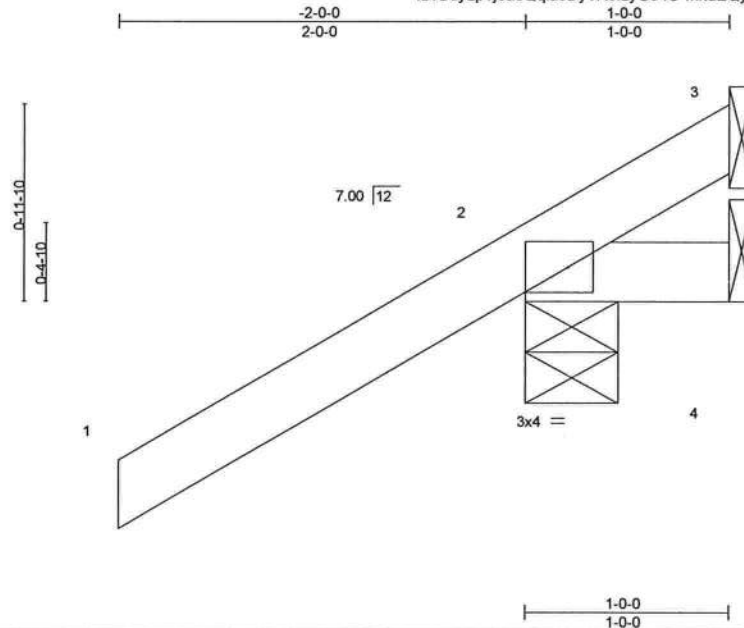
No.	Seal#	Truss Name	Date
45	T22027566	T30	12/1/20
46	T22027567	T31	12/1/20
47	T22027568	T32	12/1/20
48	T22027569	T33	12/1/20
49	T22027570	T33G	12/1/20
50	T22027571	T34	12/1/20

Job 2552276	Truss CJ01	Truss Type Jack-Open	Qty 10	Ply 1	EDGLEY CONST. - SEALS RES. T22027522
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:06 2020 Page 1

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Scale = 1:10.9

Plate Offsets (X,Y)-- [2:Edge,0-1-8]											
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.32	Vert(LL)	-0.00	7	>999	240	MT20	244/190	
TCDL 7.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	0.00	7	>999	180			
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a			
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP								
									Weight: 7 lb	FT = 20%	

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=77(LC 12)
Max Uplift 3=-26(LC 1), 2=-166(LC 12), 4=-52(LC 19)
Max Grav 3=26(LC 16), 2=254(LC 1), 4=48(LC 16)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=166.



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December 1,2020

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 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



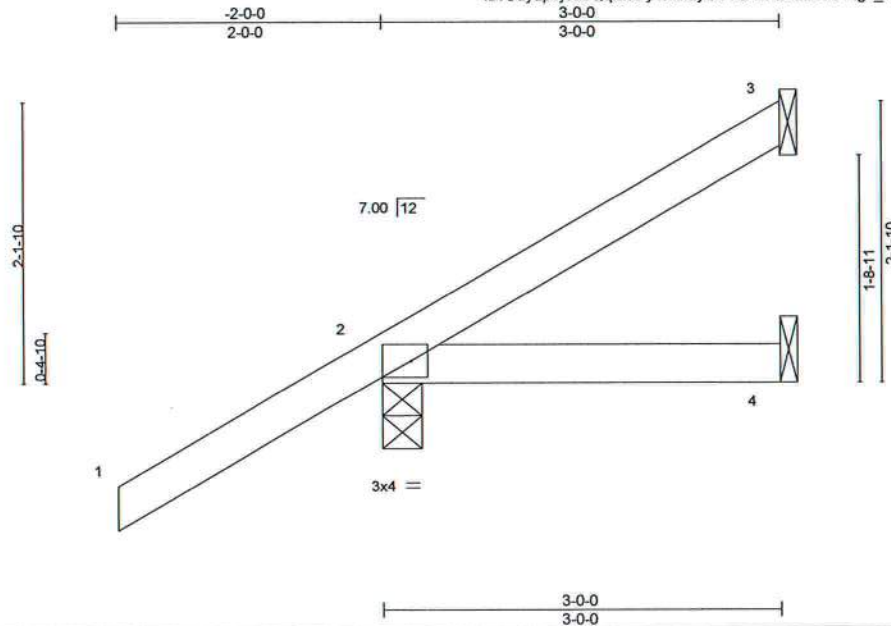
6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss CJ03	Truss Type Jack-Open	Qty 10	Ply 1	EDGLEY CONST. - SEALS RES. T22027523
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:07 2020 Page 1
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Scale = 1:16.8

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.32	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.14	Vert(CT)	-0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP						Weight: 13 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=132(LC 12)
Max Uplift 3=53(LC 12), 2=122(LC 12), 4=23(LC 9)
Max Grav 3=58(LC 19), 2=253(LC 1), 4=48(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=122.



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Tampa, FL 33610

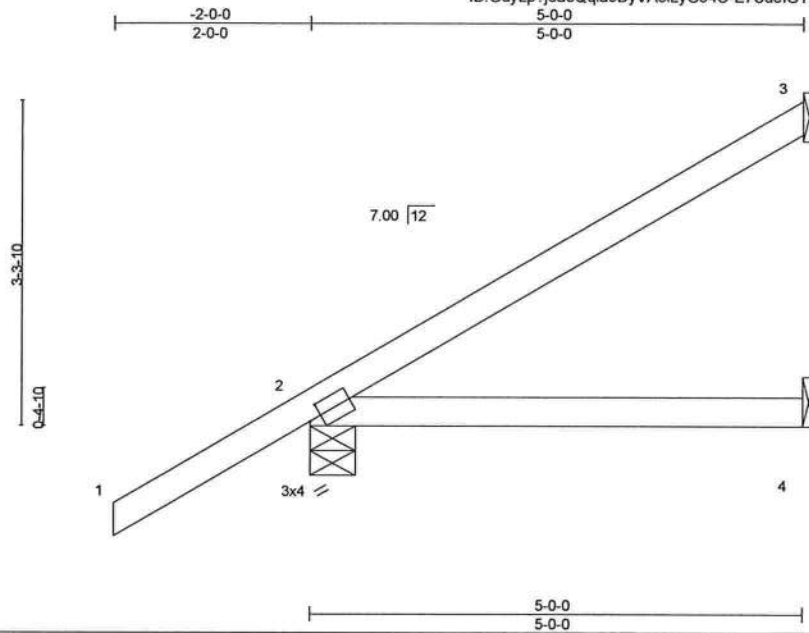
Job 2552276	Truss CJ05	Truss Type Jack-Open	Qty 10	Ply 1	EDGLEY CONST. - SEALS RES.	T22027524
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:07 2020 Page 1

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.33	Vert(LL)	0.08	4-7	>788	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.33	Vert(CT)	0.07	4-7	>906	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP							
									Weight: 20 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=189(LC 12)
Max Uplift 3=107(LC 12), 2=127(LC 12), 4=45(LC 9)
Max Grav 3=118(LC 19), 2=313(LC 1), 4=87(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=107, 2=127.



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Date:

December 1,2020

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027525
2552276	EJ01	Jack-Partial	26	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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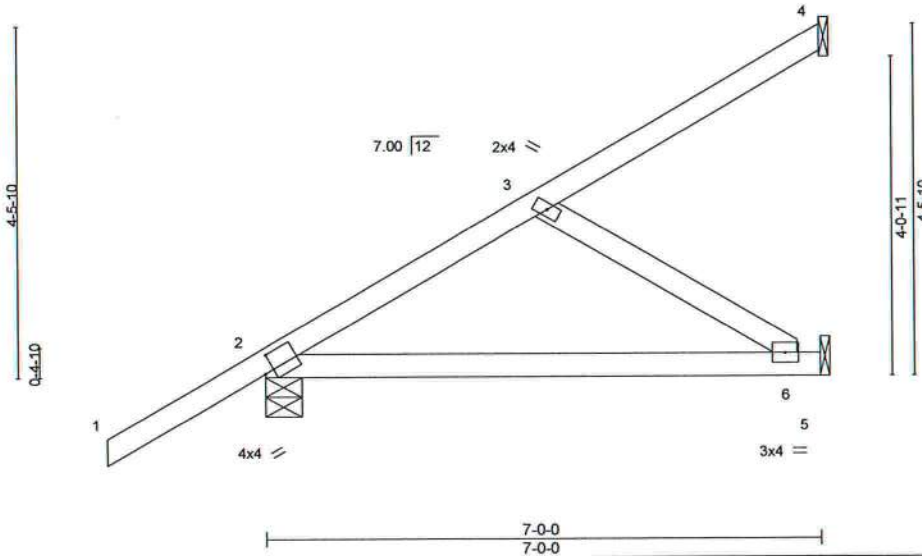


Plate Offsets (X,Y)-- [2'-0-1-7'-0-2-8]

LOADING (psf)	SPACING-	2'-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.34	Vert(LL)	-0.08	6-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.43	Vert(CT)	-0.15	6-9	>553	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 32 lb	FT = 20%

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

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

REACTIONS. (size) 4=Mechanical, 2=0-5-8, 5=Mechanical
Max Horz 2=246(LC 12)
Max Uplift 4=83(LC 12), 2=139(LC 12), 5=82(LC 12)
Max Grav 4=84(LC 19), 2=380(LC 1), 5=184(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-6=-179/288
WEBS 3-6=-340/212

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=139.



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6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss HJ09	Truss Type Diagonal Hip Girder	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027526
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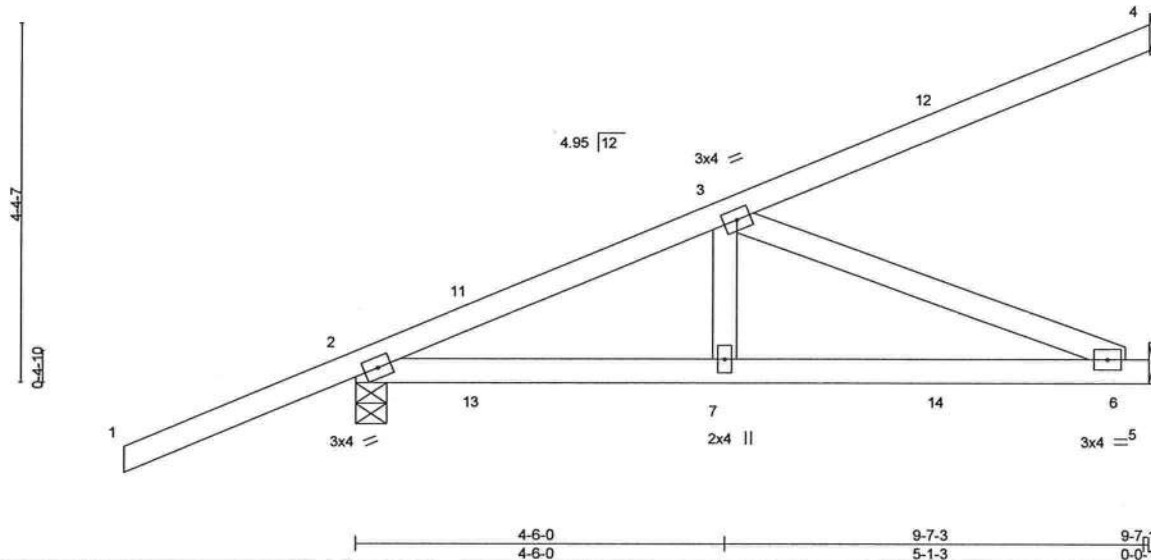
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Scale = 1:27.0



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 0.56	Vert(LL)	0.10	6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.57	Vert(CT)	-0.11	6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.30	Horz(CT)	-0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 45 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-5 oc bracing.

REACTIONS.

(size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=241(LC 8)
Max Uplift 4=146(LC 8), 2=421(LC 4), 5=255(LC 3)
Max Grav 4=147(LC 1), 2=455(LC 1), 5=263(LC 3)

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

TOP CHORD 2-3=-699/469
BOT CHORD 2-7=-552/512, 6-7=-552/512
WEBS 3-6=-551/594

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=146, 2=421, 5=255.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 103 lb up at 1-6-1, 84 lb down and 103 lb up at 1-6-1, 102 lb down and 52 lb up at 4-4-0, 102 lb down and 52 lb up at 4-4-0, and 134 lb down and 115 lb up at 7-1-15, and 134 lb down and 115 lb up at 7-1-15 on top chord, and 72 lb down and 75 lb up at 1-6-1, 72 lb down and 75 lb up at 1-6-1, 54 lb down and 32 lb up at 4-4-0, 54 lb down and 32 lb up at 4-4-0, and 40 lb down and 59 lb up at 7-1-15, and 40 lb down and 59 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=20
Concentrated Loads (lb)
Vert: 7=6(F=3, B=3) 11=50(F=25, B=25) 12=64(F=32, B=32) 13=69(F=35, B=35) 14=48(F=-24, B=-24)



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December 1,2020

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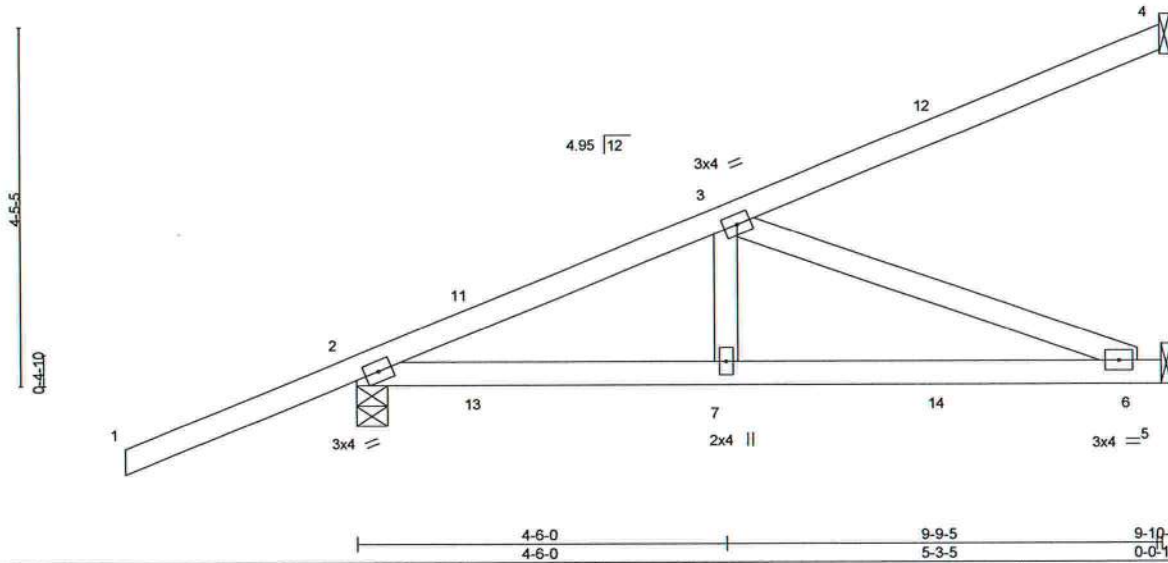


6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss HJ10	Truss Type Diagonal Hip Girder	Qty 4	Ply 1	EDGLEY CONST. - SEALS RES. T22027527
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:10 2020 Page 1					

ID: GdYLP7j6aeQqia9DyVA5iLyG34O-ei8lGKIQUocFjRevRaHwqdvPILMDISzsgCVCeYDzCZ					
-2-9-15 2-9-15		4-6-0 4-6-0		9-10-1 5-4-1	

Scale = 1:27.3



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.59	Vert(LL)	0.11 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.12 6-7	>991	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.33	Horz(CT)	-0.01 5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 45 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-2-7 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-9, 5=Mechanical
Max Horz 2=245(LC 26)
Max Uplift 4=-147(LC 8), 2=-426(LC 4), 5=-257(LC 5)
Max Grav 4=149(LC 1), 2=462(LC 1), 5=267(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-714/487
BOT CHORD 2-7=-574/533, 6-7=-574/533
WEBS 3-6=-571/615

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=147, 2=426, 5=257.
- 6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 84 lb down and 103 lb up at 1-6-1, 84 lb down and 103 lb up at 1-6-1, 102 lb down and 52 lb up at 4-4-0, 102 lb down and 52 lb up at 4-4-0, and 134 lb down and 115 lb up at 7-1-15, and 134 lb down and 115 lb up at 7-1-15 on top chord, and 72 lb down and 75 lb up at 1-6-1, 72 lb down and 75 lb up at 1-6-1, 54 lb down and 32 lb up at 4-4-0, 54 lb down and 32 lb up at 4-4-0, and 40 lb down and 59 lb up at 7-1-15, and 40 lb down and 59 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=6(F=3, B=3) 11=50(F=25, B=25) 12=-64(F=-32, B=-32) 13=69(F=35, B=35) 14=-48(F=-24, B=-24)



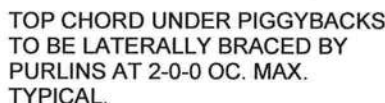
Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1, 2020

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Scale = 1:22.2

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

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

REACTIONS. All bearings 11-1-11.
(lb) - Max Horz 2=33(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 7, 12, 9 except 10=107(LC 9), 11=123(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 2, 7, 10, 12, 9 except 11=262(LC 24)

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

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7, 12, 9 except (jt=lb) 10=107, 11=123.
- 8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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6904 Parke East Blvd
Tampa, FL 36610

Job 2552276	Truss PB02	Truss Type GABLE	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027529
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:12 2020 Page 1
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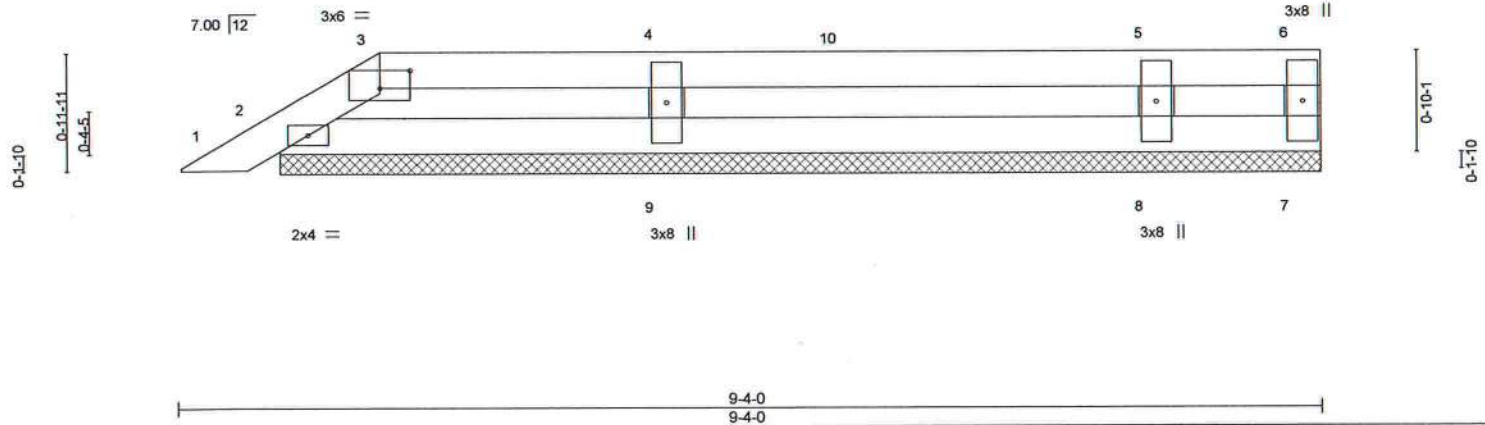


Plate Offsets (X,Y)-- [3:0-3:0,0-1-12]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.13	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
BCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	-0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 28 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 8-5-13.
(lb) - Max Horz 2=38(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2 except 9=134(LC 9), 8=115(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 7, 2, 8 except 9=293(LC 1)

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

NOTES-

- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2 except (jt=lb) 9=134, 8=115.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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December 1, 2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss PB03	Truss Type GABLE	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027530
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:13 2020 Page 1
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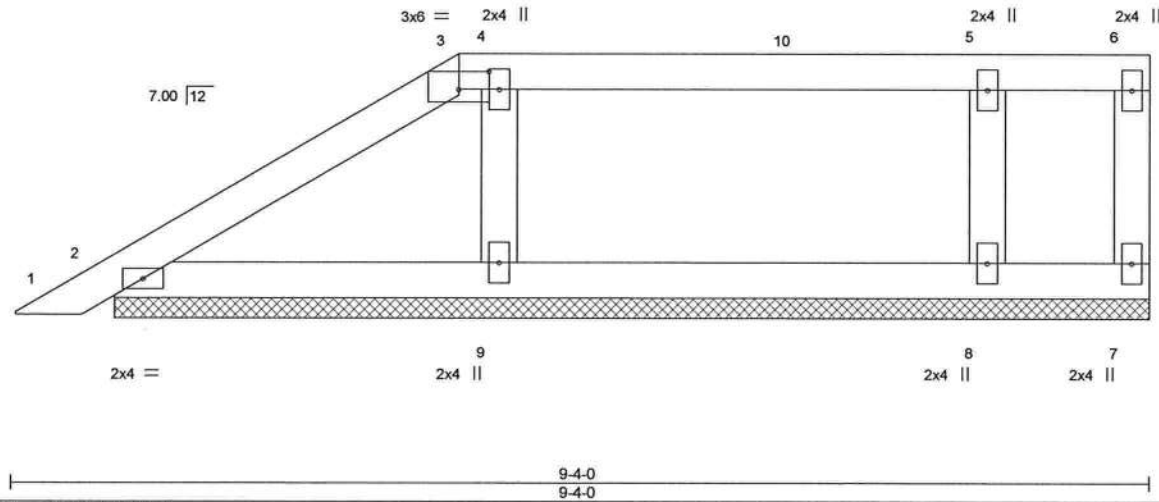


Plate Offsets (X,Y)-- [3:0-3:0,0-1:12]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.13	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.11	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	-0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S							
									Weight: 34 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 9-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 8-5-13.
(lb) - Max Horz 2=95(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2 except 9=157(LC 12), 8=151(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 7, 2 except 9=295(LC 1), 8=284(LC 24)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 4-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2 except (jt=lb) 9=157, 8=151.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss PB04	Truss Type GABLE	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027531
Job Reference (optional)					

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:14 2020 Page 1
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8-10-12
5-8-12

Scale = 1:17.4

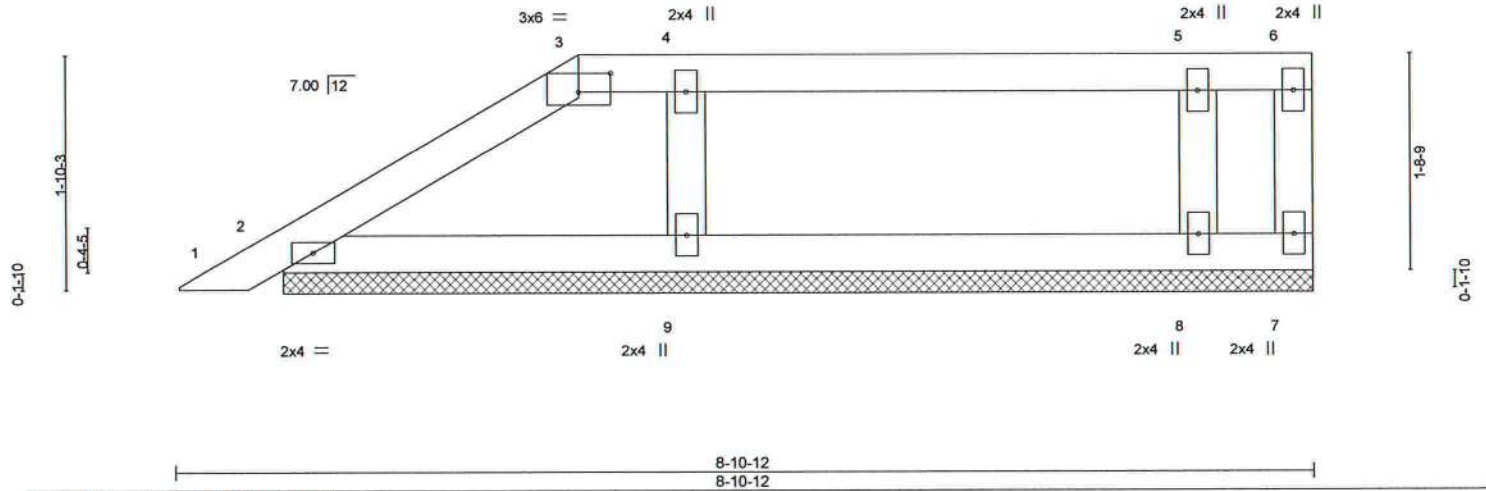


Plate Offsets (X,Y) - [3-0-3-0,0-1-12]

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 0.13	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.10	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.07	Horz(CT)	0.00	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 31 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS.

All bearings 8-0-9.
(lb) - Max Horz 2=80(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2 except 9=125(LC 9), 8=178(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 7, 2 except 9=297(LC 1), 8=278(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) 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.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 4-0-0 oc.
- 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.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2 except (jt=lb) 9=125, 8=178.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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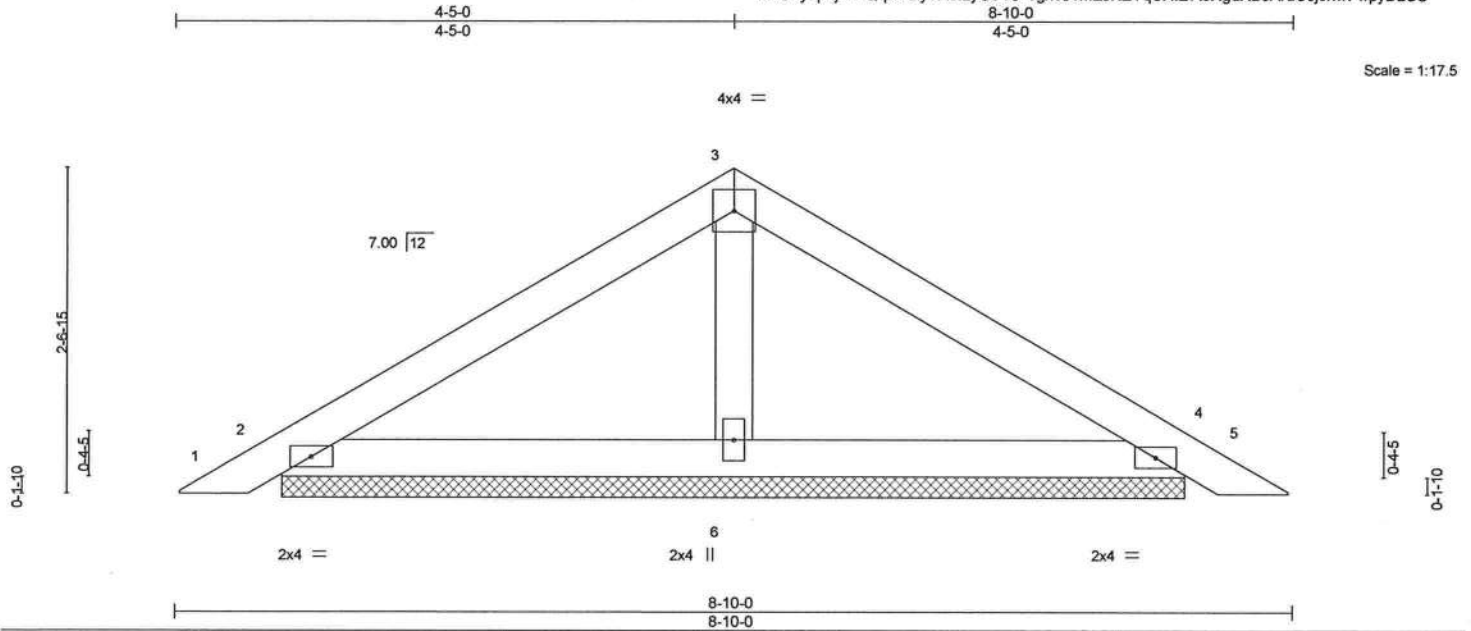


6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss PB05	Truss Type Piggyback	Qty 5	Ply 1	EDGLEY CONST. - SEALS RES. T22027532
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:15 2020 Page 1
ID:GdyLp?j6aeQqia9DyVA5iLyG34O-7gxeJ1MZJKEYqCXtE7i5XgdXBJAruCJj0xwFwpyDzCU



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 0.13	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	0.01	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TP12014		Matrix-S						Weight: 28 lb	FT = 20%

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

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

REACTIONS. (size) 2=7-1-11, 4=7-1-11, 6=7-1-11
Max Horz 2=-75(LC 10)
Max Uplift 2=-78(LC 12), 4=-88(LC 13), 6=-75(LC 12)
Max Grav 2=156(LC 1), 4=158(LC 20), 6=275(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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December 1, 2020



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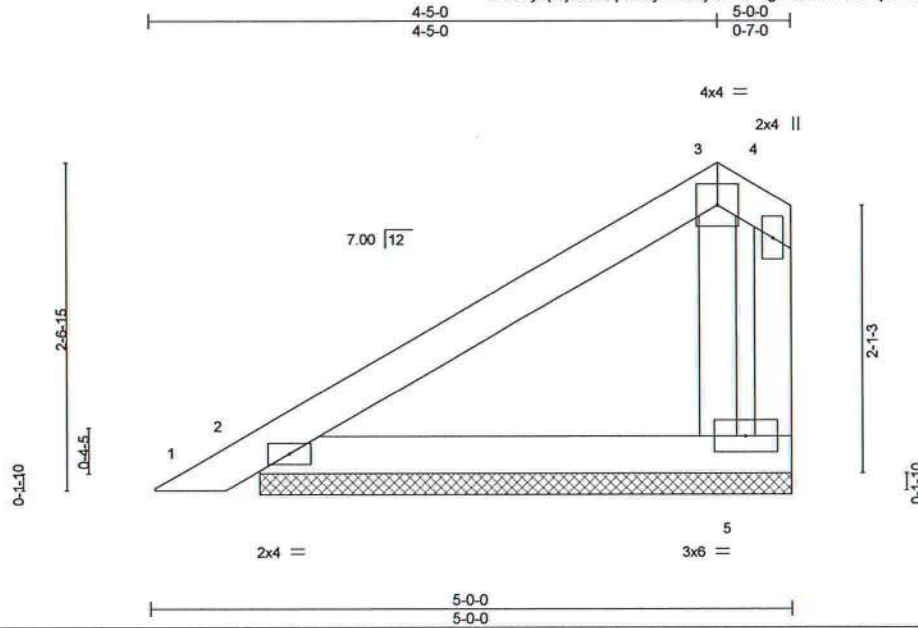
6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss PB06	Truss Type Piggyback	Qty 1	Ply 2	EDGLEY CONST. - SEALS RES. T22027533
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Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:15 2020 Page 1
ID:GdyLp7j6aeQqia9DyVA5iLyG340-7gxeJ1MZJKEyqCXtE7i5XgdYdJAQuCbJ0xwFwpyDzCU



Scale = 1:17.3

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.11	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	0.00	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.02	Horz(CT)	-0.00	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-P						Weight: 40 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. (size) 5=4-1-13, 2=4-1-13
Max Horz 2=108(LC 12)
Max Uplift 5=88(LC 12), 2=59(LC 12)
Max Grav 5=156(LC 19), 2=171(LC 1)

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

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
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Date:

December 1, 2020



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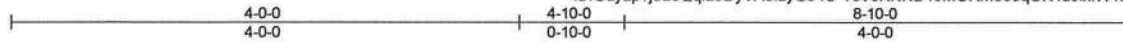
Job 2552276	Truss PB07	Truss Type GABLE	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027534
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

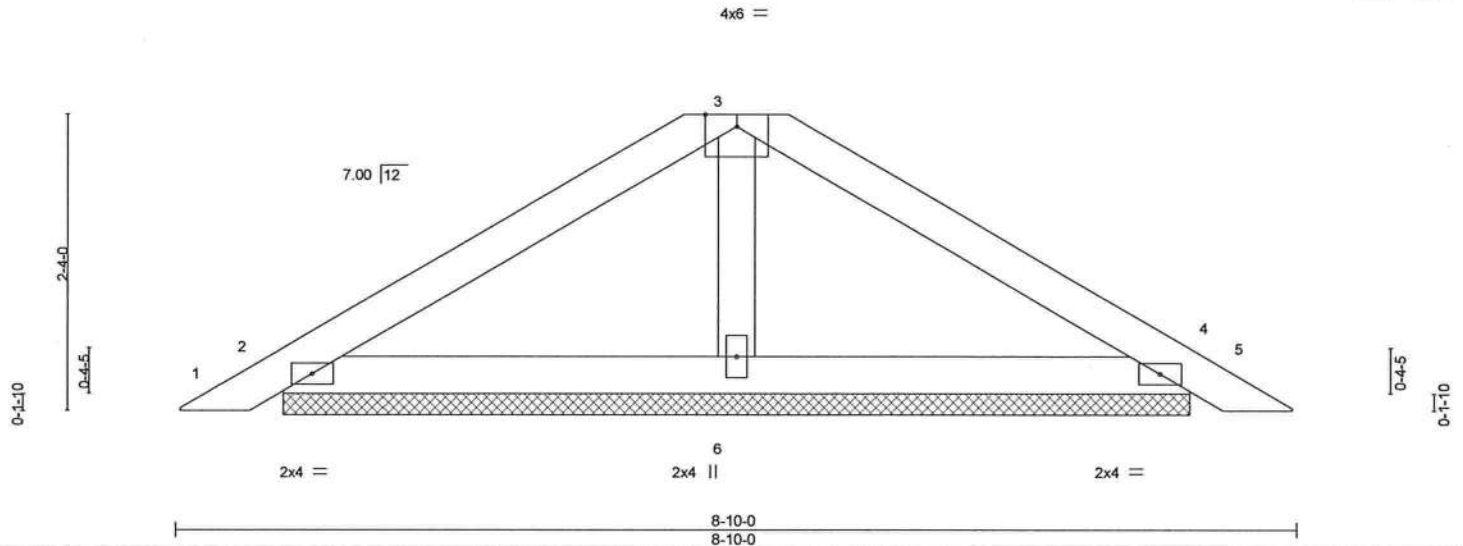
8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:16 2020 Page 1

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Job Reference (optional)



Scale = 1:17.5



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.13	Vert(LL) 0.00	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.12	Vert(CT) 0.01	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.03	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-S						
							Weight: 28 lb	FT = 20%

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

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

REACTIONS. (size) 2=7-1-11, 4=7-1-11, 6=7-1-11
Max Horz 2=75(LC 11)
Max Uplift 2=-78(LC 12), 4=-88(LC 13), 6=-75(LC 12)
Max Grav 2=156(LC 1), 4=158(LC 20), 6=275(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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6904 Parke East Blvd. Tampa FL 33610
Date:

December 1, 2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
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Job 2552276	Truss PB08	Truss Type Piggyback	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027535
Job Reference (optional)					

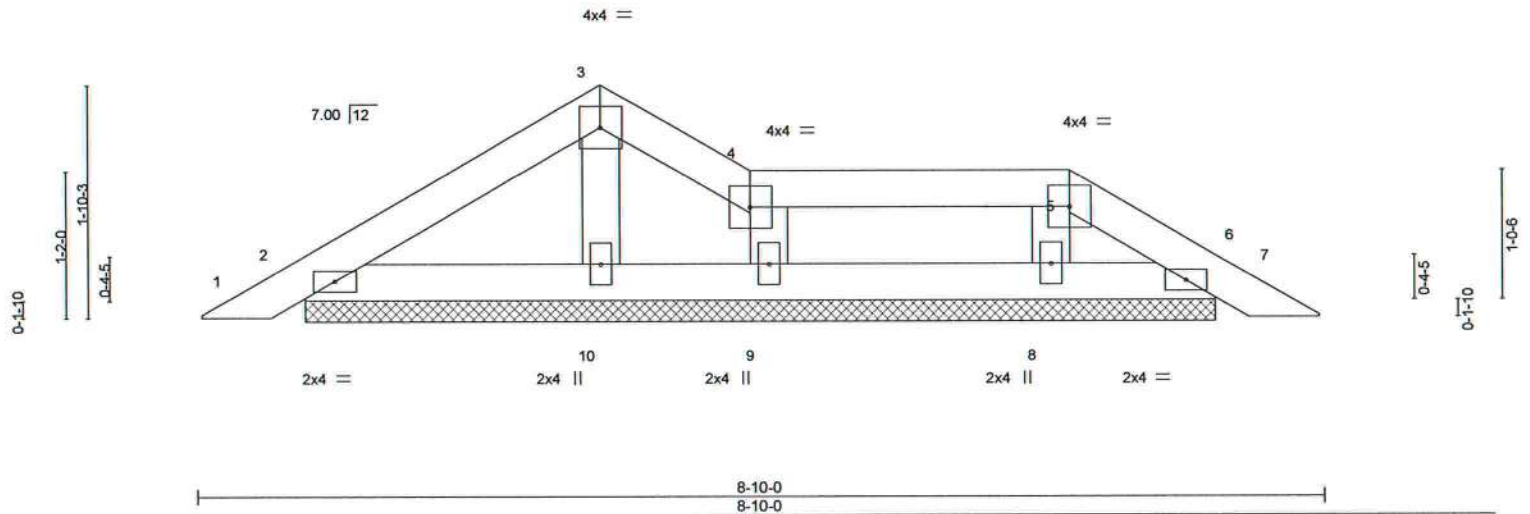
Builders FirstSource (Jacksonville, FL),

Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:17 2020 Page 1
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3-2-0 3-2-0 8-10-0 5-8-0

Scale = 1:17.5



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00 6 n/r 120	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00 6 n/r 120				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00 6 n/a n/a				
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							
								Weight: 28 lb FT = 20%			

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-9.

REACTIONS. All bearings 7-1-11.
(lb) - Max Horz 2=52(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 10, 8, 9
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 8, 9

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 10, 8, 9.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
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December 1, 2020

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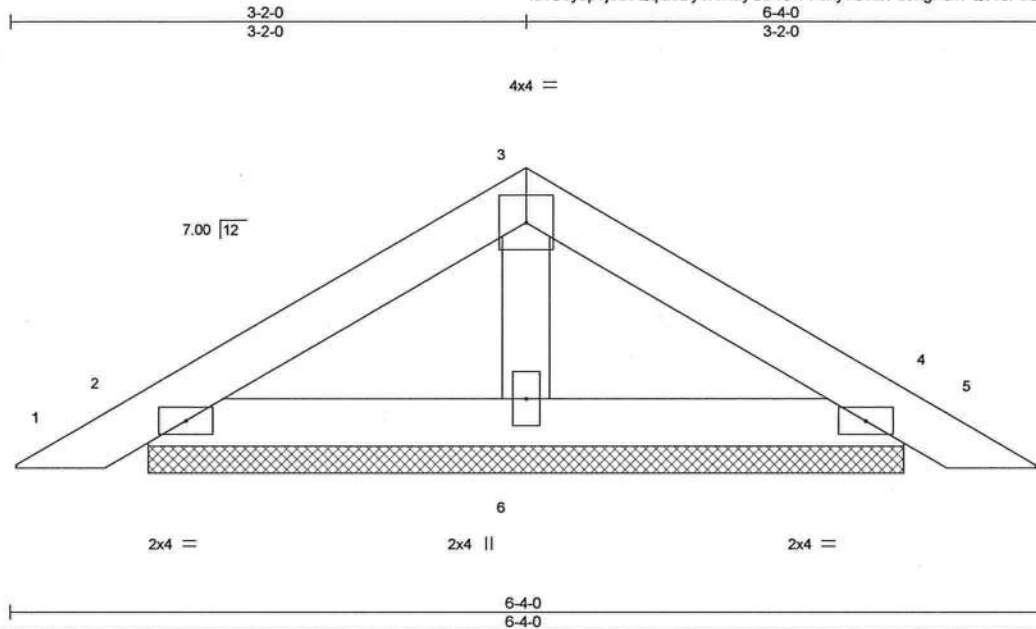
6904 Parke East Blvd.
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Job 2552276	Truss PB09	Truss Type Piggyback	Qty 8	Ply 1	EDGLEY CONST. - SEALS RES. T22027536
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:18 2020 Page 1

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Scale = 1:13.6

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 0.08	Vert(LL) 0.00	5	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.05	Vert(CT) 0.00	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-P						
							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 2=4-7-11, 4=4-7-11, 6=4-7-11
Max Horz 2=52(LC 11)
Max Uplift 2=66(LC 12), 4=73(LC 13), 6=31(LC 12)
Max Grav 2=121(LC 1), 4=121(LC 20), 6=159(LC 1)

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Gable requires continuous bottom chord bearing.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
- See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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MiTek USA, Inc. FL Cert 6634
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December 1, 2020

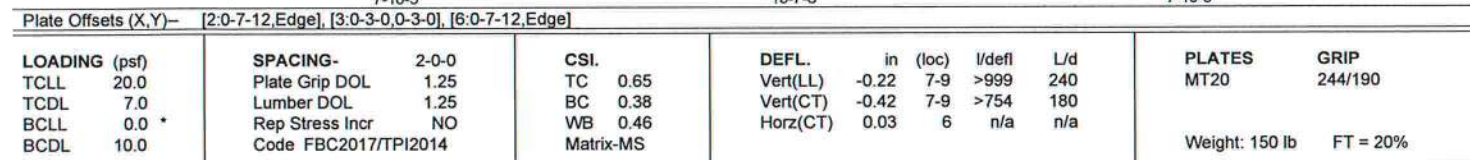
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MITek Industries, Inc. Mon Nov 30 14:28:19 2020 Page 1
ID:GdyLp7j6aeQqia9DyVA5iLyG340-iRA99PP3M3ZlqqeTxz1hWn5BwUkqvfIxzU3ayDzCQ
-2-0-0 7-10-5 13-2-0 18-5-11 26-4-0
2-0-0 7-10-5 5-3-11 5-3-11 7-10-5



REACTIONS. (size) 6=0-5-8, 2=0-5-8
Max Horz 2=263(LC 11)
Max Uplift 6=-504(LC 13), 2=-576(LC 12)
Max Grav 6=1318(LC 20), 2=1427(LC 19)

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

TOP CHORD	2-3=-2319/942, 3-4=-2358/1136, 4-5=-2386/1158, 5-6=-2338/955
BOT CHORD	2-9=-755/2080, 7-9=-383/1294, 6-7=-697/1916
WEBS	4-7=-671/1402, 5-7=-434/387, 4-9=-641/1367, 3-9=-431/380

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 6=504, 2=576.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
- A circular professional engineer seal for Walter P. Finn. The outer ring contains the text "WALTER P. FINN" at the top and "LICENSE" at the bottom. Inside the ring, the text "No. 22839" is visible.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=54, 4-6=54, 2-9=20, 7-9=80(F=60), 6-7=20



December 1, 2020

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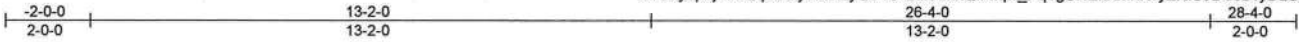


Job 2552276	Truss T01G	Truss Type Common Supported Gable	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. Job Reference (optional)	T22027538
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:20 2020 Page 1

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Scale = 1:52.1

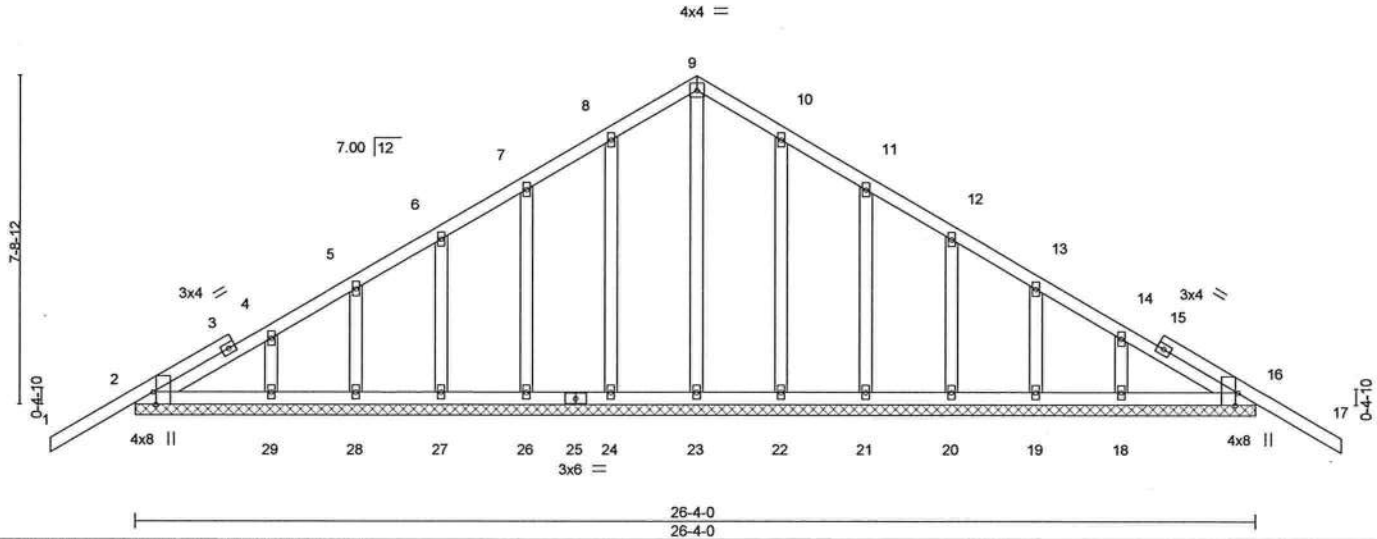


Plate Offsets (X,Y)--		[2-0-3-8,Edge], [16-0-3-8,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.27
TCDL 7.0	Lumber DOL	1.25	BC 0.06
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.18
BCDL 10.0	Code	FBC2017/TPI2014	Matrix-S
			DEFL. in (loc) l/defl L/d
			Vert(LL) -0.02 17 n/r 120
			Vert(CT) -0.03 17 n/r 120
			Horz(CT) 0.01 16 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 163 lb FT = 20%

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

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

REACTIONS. All bearings 26-4-0.
(lb) - Max Horz 2=265(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 27, 29, 22, 20, 18 except 24=102(LC 12), 26=104(LC 12), 28=108(LC 12), 21=105(LC 13), 19=107(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18 except 2=254(LC 1), 16=254(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 8-9=203/252, 9-10=203/252

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 27, 29, 22, 20, 18 except (it=lb) 24=102, 26=104, 28=108, 21=105, 19=107.
- Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 16.



Walter P. Finn PE No.22839
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6904 Parke East Blvd. Tampa FL 33610
Date:

December 1,2020

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MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss T02	Truss Type Common	Qty 4	Ply 1	EDGLEY CONST. - SEALS RES.	T22027539
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:21 2020 Page 1
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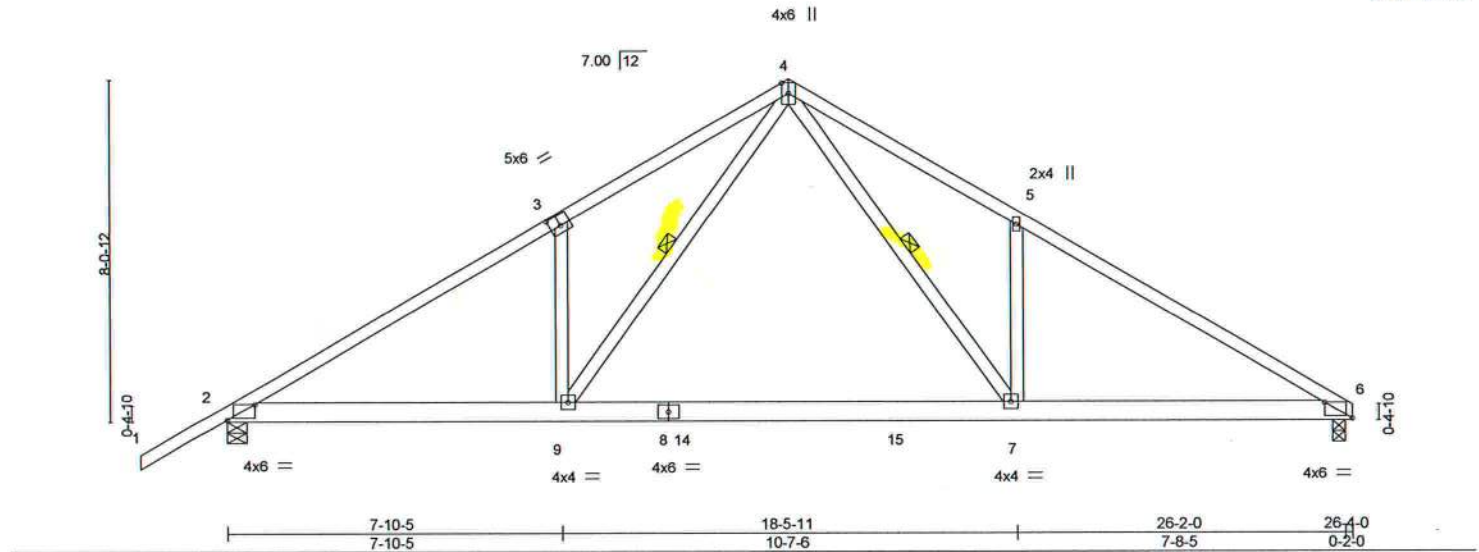


Plate Offsets (X,Y)--- [2:0-7-12,Edge], [3:0-3-0,0-3-0], [6:0-7-12,Edge]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.65		Vert(LL) -0.22 7-9	>999 240	MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.38		Vert(CT) -0.42 7-9	>753 180		
BCLL 0.0 *		Rep Stress Incr NO		WB 0.46		Horz(CT) 0.03 6	n/a n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS				Weight: 150 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-9, 4-7

REACTIONS. (size) 2=0-5-8, 6=0-3-8
Max Horz 2=263(LC 11)
Max Uplift 2=-576(LC 12), 6=-504(LC 13)
Max Grav 2=1427(LC 19), 6=1318(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2319/942, 3-4=-2358/1136, 4-5=-2386/1158, 5-6=-2338/955
BOT CHORD 2-9=-755/2080, 7-9=-383/1294, 6-7=-697/1917
WEBS 3-9=-431/380, 4-9=-641/1367, 4-7=-671/1402, 5-7=-434/387

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=576, 6=504.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-9=-20, 7-9=-80(F=-60), 6-7=-20



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MiTek USA, Inc. FL Cert 6634
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Date:

December 1,2020



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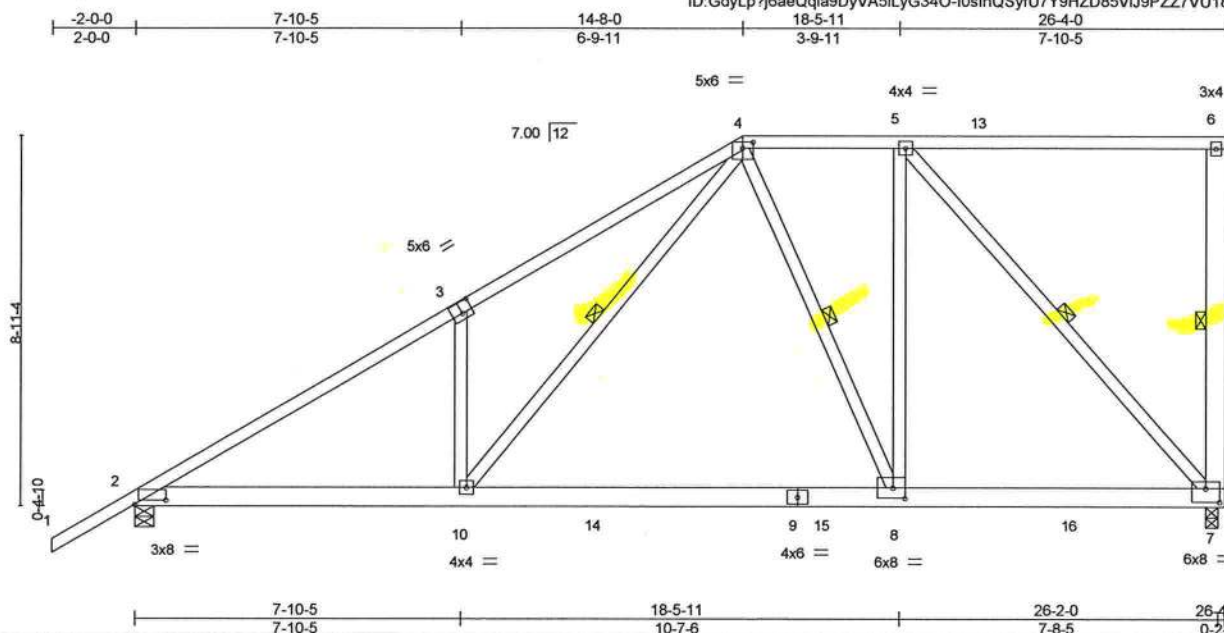
Job 2552276	Truss T03	Truss Type Half Hip	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027540
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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Job Reference (optional)



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.89	Vert(LL)	0.21 8-10 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	-0.39 8-10 >799 180				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.02 7 n/a n/a				
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							
								Weight: 191 lb FT = 20%			

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
6-7: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-7-6 oc bracing.
WEBS 1 Row at midpt 6-7, 4-10, 4-8, 5-7

REACTIONS. (size) 7=0-3-8, 2=0-5-8
Max Horz 2=466(LC 12)
Max Uplift 7=554(LC 12), 2=582(LC 12)
Max Grav 7=1295(LC 2), 2=1432(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2323/869, 3-4=-2400/1104, 4-5=-1010/504
BOT CHORD 2-10=-1028/2022, 8-10=-577/1091, 7-8=-504/1010
WEBS 3-10=-506/436, 4-10=-739/1490, 4-8=-276/235, 5-8=-323/1017, 5-7=-1498/741

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=554, 2=582.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-10=-20, 8-10=-80(F=-60), 7-8=-20



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December 1,2020

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6904 Parke East Blvd.
Tampa, FL 36610

Job 2552276	Truss T04	Truss Type Half Hip	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027541
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:23 2020 Page 1

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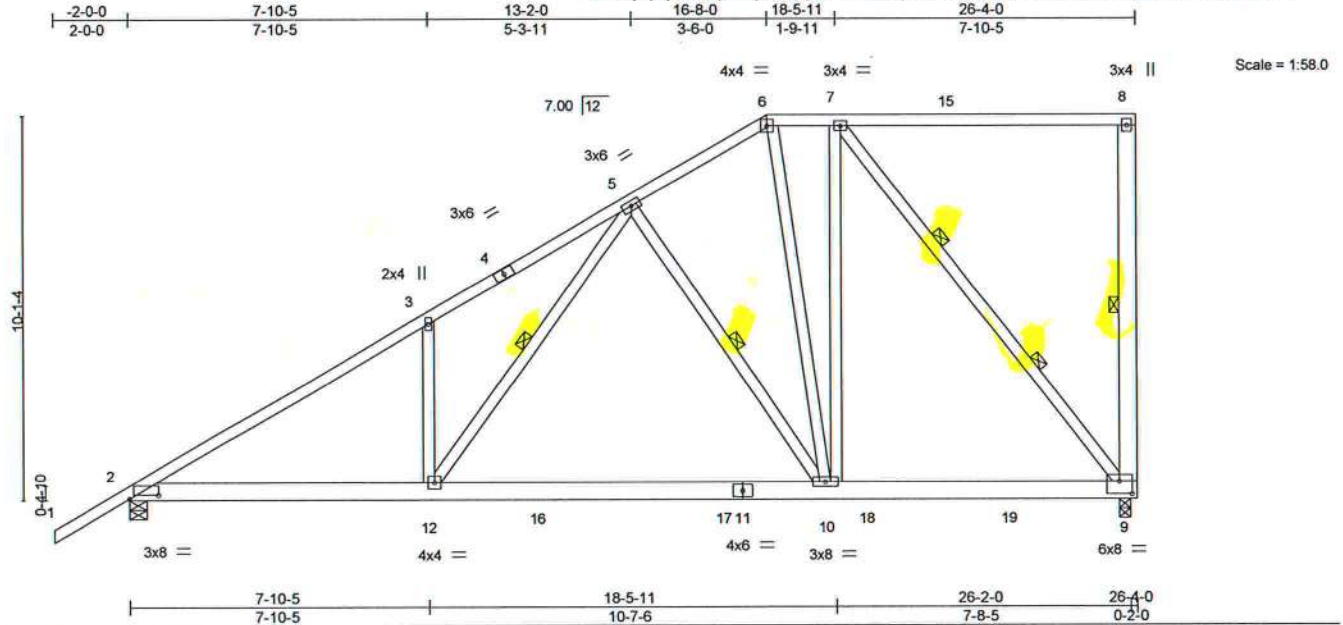


Plate Offsets (X,Y)– [2-0-9-4,0-1-3], [9-0-4-0,0-4-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.		in (loc) l/defl L/d		PLATES GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.64		Vert(LL) 0.24 10-12		>999 240		MT20 244/190	
TCDL 7.0		Lumber DOL 1.25		BC 1.00		Vert(CT) -0.45 10-12		>691 180			
BCLL 0.0 *		Rep Stress Incr NO		WB 0.80		Horz(CT) 0.04 9		n/a n/a			
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS						Weight: 208 lb FT = 20%	

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-14 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 5-10
2 Rows at 1/3 pts 7-9

REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=523(LC 12)
Max Uplift 9=585(LC 12), 2=564(LC 12)
Max Grav 9=1277(LC 2), 2=1447(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2343/815, 3-5=-2384/1026, 5-6=-1020/448, 6-7=-917/458
BOT CHORD 2-12=-1043/2048, 10-12=-681/1292, 9-10=-452/891
WEBS 3-12=-433/374, 5-12=-637/1328, 5-10=-810/491, 6-10=-255/507, 7-10=-306/996,
7-9=-1436/719

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=585, 2=564.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=54, 6-8=54, 2-12=20, 10-12=80(F=60), 9-10=20



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Date:

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Tampa, FL 33610

Job 2552276	Truss T05	Truss Type Piggyback Base	Qty 2	Ply 1	EDGLEY CONST. - SEALS RES. T22027542
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:24 2020 Page 1

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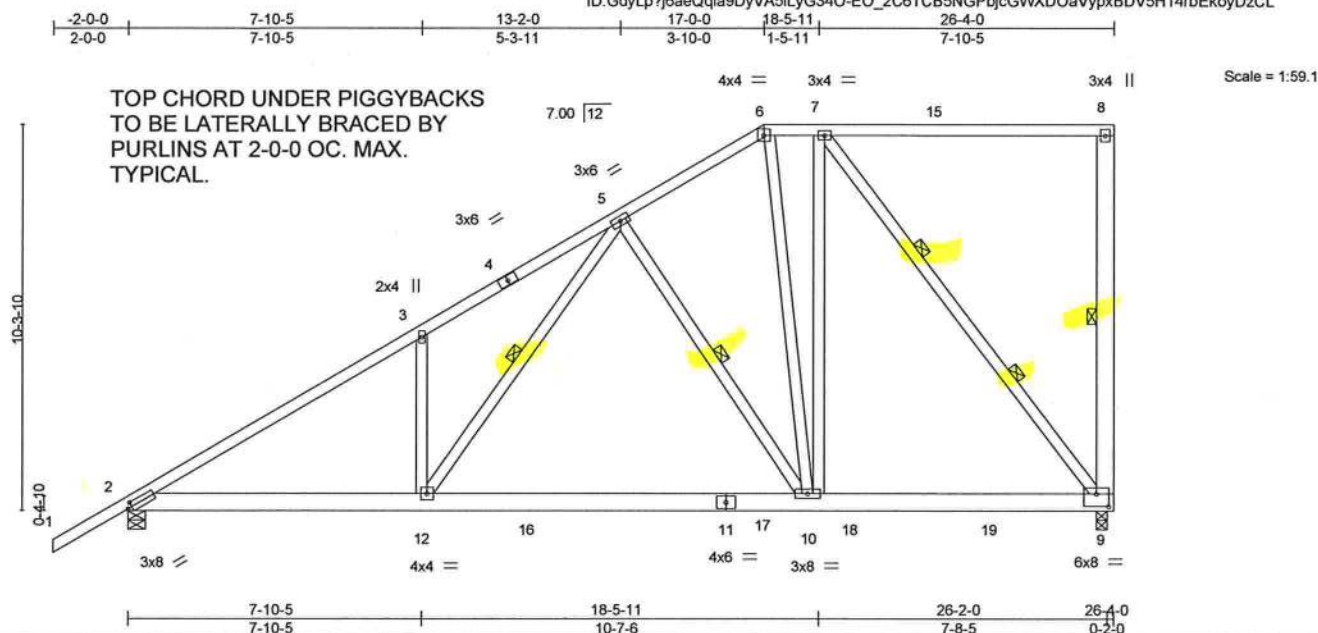


Plate Offsets (X,Y)- [2:0-1-8,0-1-8], [9:0-4-0,0-4-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	0.19 10-12	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.35 10-12	>890	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.82	Horz(CT)	0.02 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 210 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
8-9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-5-14 oc bracing.
WEBS 1 Row at midpt 8-9, 5-12, 5-10
2 Rows at 1/3 pts 7-9

REACTIONS. (size) 9=0-3-8, 2=0-5-8
Max Horz 2=532(LC 12)
Max Uplift 9=592(LC 12), 2=561(LC 12)
Max Grav 9=1280(LC 2), 2=1452(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2346/807, 3-5=-2385/1016, 5-6=-1030/443, 6-7=-909/451
BOT CHORD 2-12=-1045/2052, 10-12=-685/1302, 9-10=-445/882
WEBS 3-12=-426/370, 5-12=-632/1319, 5-10=-814/496, 6-10=-272/532, 7-10=-298/1000, 7-9=-1439/716

- NOTES-**
- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Provide adequate drainage to prevent water ponding.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=592, 2=561.
 - 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-8=-54, 2-12=-20, 10-12=-80(F=-60), 9-10=-20



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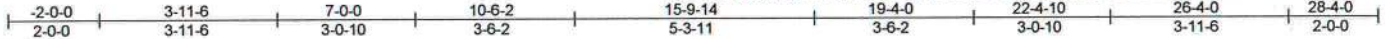
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Tampa, FL 33610

Job 2552276	Truss T06	Truss Type Hip Girder	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. Job Reference (optional)	T22027543
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:26 2020 Page 1

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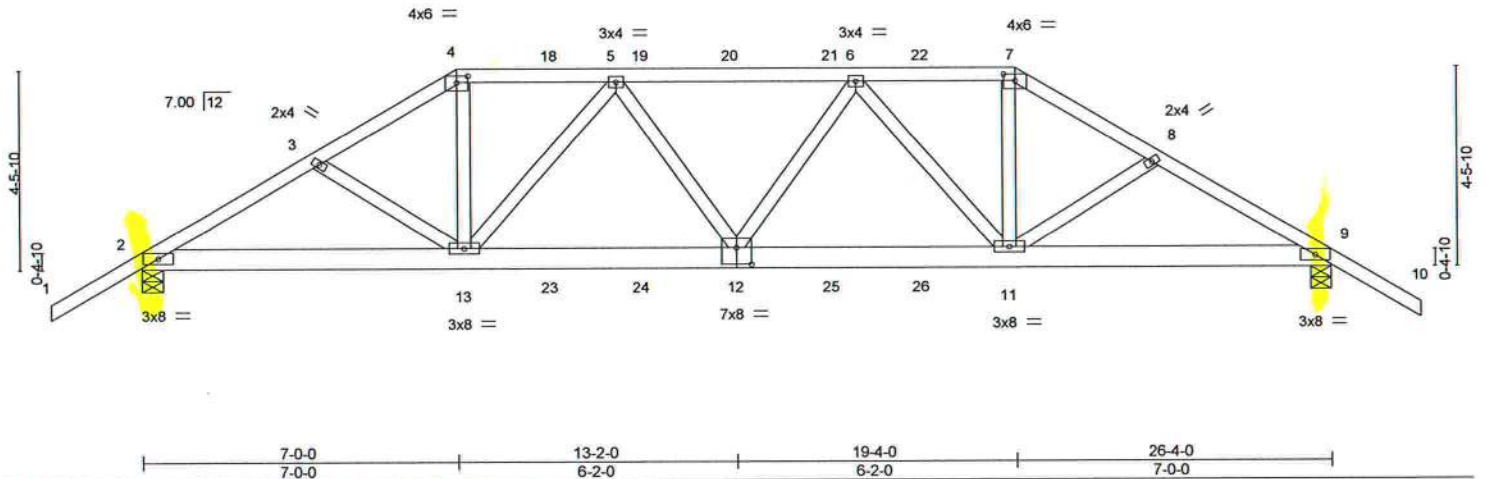


Plate Offsets (X,Y)--		[4:0-3-0,0-1-12], [7:0-3-0,0-1-12], [12:0-4-0,0-4-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.77	Vert(LL)	0.26 12-13	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.81	Vert(CT)	-0.30 11-12	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.55	Horz(CT)	0.09 9	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 162 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-5 oc bracing.

REACTIONS. (size) 2=0-5-8, 9=0-5-8
Max Horz 2=164(LC 6)
Max Uplift 2=1298(LC 9), 9=1334(LC 9)
Max Grav 2=1993(LC 1), 9=2027(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3430/2309, 3-4=-3265/2249, 4-5=-2837/2013, 5-6=-3671/2514, 6-7=-2893/2071,
7-8=-3332/2319, 8-9=-3497/2380
BOT CHORD 2-13=-1980/2921, 12-13=-2299/3418, 11-12=-2296/3442, 9-11=-1930/2979
WEBS 4-13=-973/1454, 5-13=-956/728, 5-12=-284/523, 6-12=-222/497, 6-11=-896/647,
7-11=-918/1414

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf, BCDL=3.0psf, h=18ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (if=lb) 2=1298, 9=1334.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 89 lb down and 84 lb up at 7-0-0, 89 lb down and 80 lb up at 9-0-12, 89 lb down and 80 lb up at 11-0-12, 89 lb down and 71 lb up at 13-0-12, 89 lb down and 71 lb up at 13-3-4, 89 lb down and 80 lb up at 15-3-4, and 89 lb down and 80 lb up at 17-3-4, and 158 lb down and 239 lb up at 19-4-0 on top chord, and 382 lb down and 389 lb up at 7-0-0, 159 lb down and 102 lb up at 9-0-12, 159 lb down and 102 lb up at 11-0-12, 159 lb down and 102 lb up at 13-0-12, 159 lb down and 102 lb up at 13-3-4, 159 lb down and 102 lb up at 15-3-4, and 159 lb down and 102 lb up at 17-3-4, and 382 lb down and 389 lb up at 19-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 2-9=-20

Continued on page 2



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December 1, 2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027543
2552276	T06	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:26 2020 Page 2
ID:GdyLp?j6aeQqia9DyVA5iLyG34O-An5odoVSjjd_ evs_ NxZhU?ahYkkmz3wKY94LogyDzCJ

LOAD CASE(S) Standard
Concentrated Loads (lb)

Vert: 4=-20(B) 7=-93(B) 12=-294(B) 13=-370(B) 11=-370(B) 18=-20(B) 19=-20(B) 20=-40(B) 21=-20(B) 22=-20(B) 23=-147(B) 24=-147(B) 25=-147(B) 26=-147(B)



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ANSI/TPI1 Quality Criteria, DSB-99 and BCSI Building Component

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



6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027544
2552276	T07	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:27 2020 Page 1
ID:GdyLp7?6aeQqia9DyVA5iLyG34O-ezfBq8V5U0lrG2RAxe4w0C7Yo87GibgUmpqul7yDzCl

-2-0-0	4-11-4	9-0-0	13-2-0	17-4-0	21-4-12	26-4-0	28-4-0
2-0-0	4-11-4	4-0-12	4-2-0	4-2-0	4-0-12	4-11-4	2-0-0

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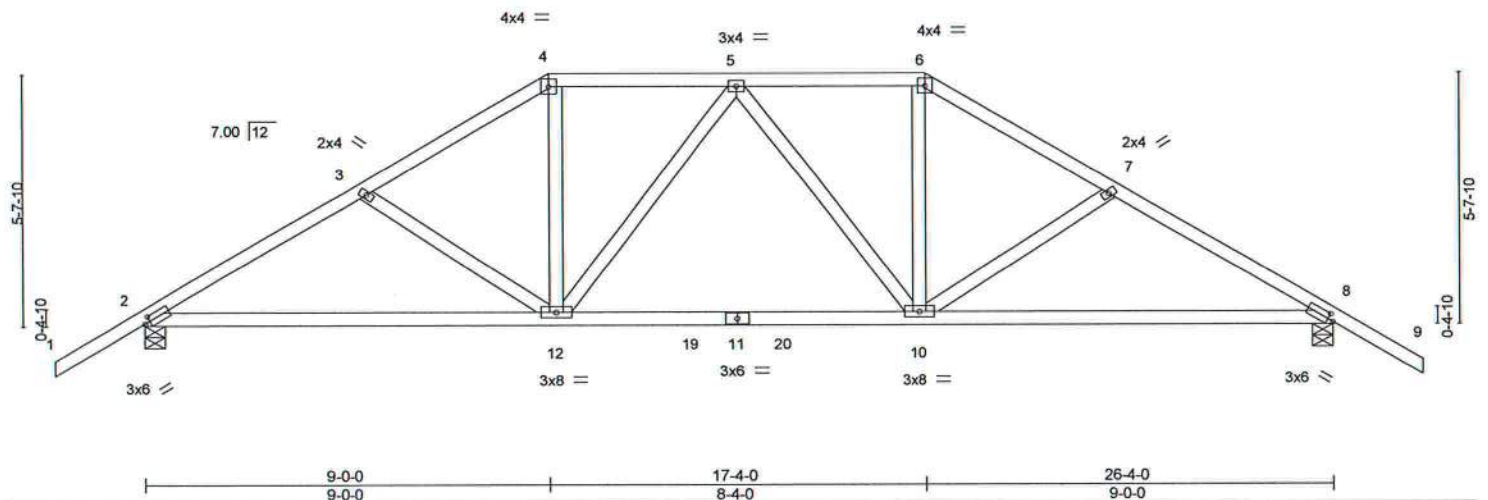


Plate Offsets (X,Y)--		[2-0-1-8,0-1-8], [8-0-1-8,0-1-8]							
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	-0.14	12-15	>999	240
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.29	12-15	>999
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	0.05	8	n/a
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS					
								Weight: 138 lb	
								FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-6-8 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 8-2-14 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-201(LC 10)
Max Uplift 2=-439(LC 12), 8=-439(LC 13)
Max Grav 2=1082(LC 1), 8=1082(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1554/710, 3-4=-1321/629, 4-5=-1095/591, 5-6=-1095/591, 6-7=-1321/629, 7-8=-1554/710
BOT CHORD 2-12=-511/1298, 10-12=-370/1188, 8-10=-487/1298
WEBS 3-12=-354/243, 4-12=-162/444, 6-10=-162/444, 7-10=-354/244

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=439, 8=439.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1,2020

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Job 2552276	Truss T08	Truss Type Hip	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027545
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,						8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:28 2020 Page 1
Job Reference (optional)						ID:GdyLp?j6aeQqia9DyVA5iLyG340-6ADZ2UWjFKlitC0NVMc9ZQfj_YXNR?id?TZrtZyDzCH

-2-0-0	5-11-7	11-0-0	15-4-0	20-4-9	26-4-0	28-4-0
2-0-0	5-11-7	5-0-9	4-4-0	5-0-9	5-11-7	2-0-0

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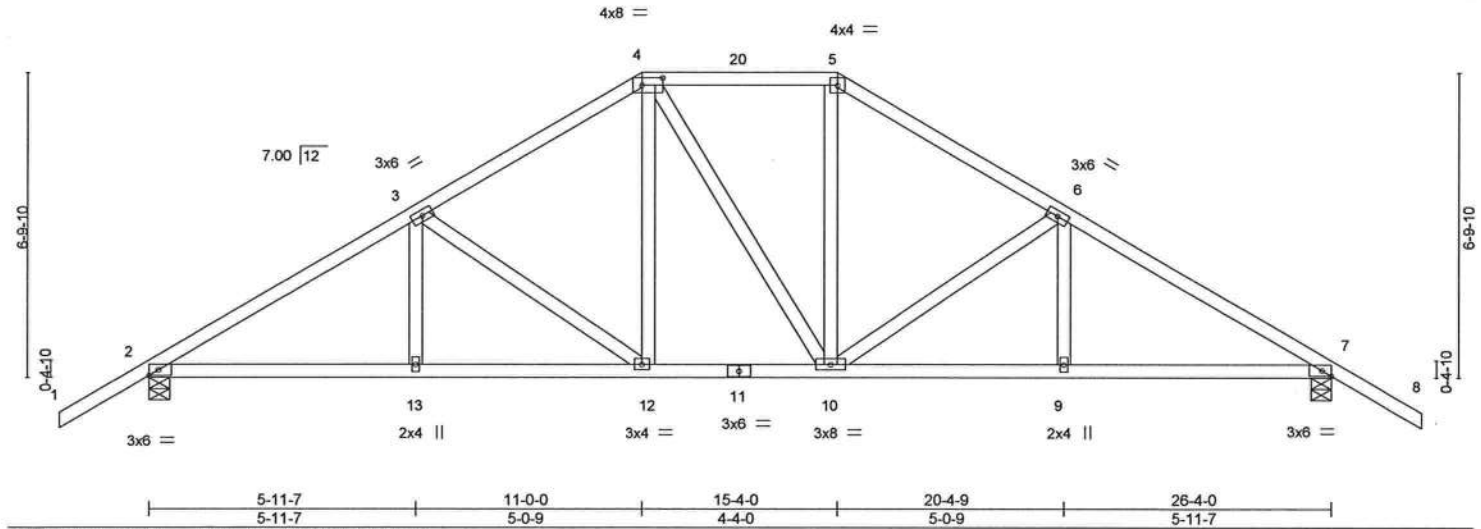


Plate Offsets (X,Y) - [4:0-5-8,0-2-0], [7:0-2-8,Edge]		LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES	
		TCLL 20.0		Plate Grip DOL 1.25		TC 0.32		in (loc) l/defl L/d		MT20	
		TCDL 7.0		Lumber DOL 1.25		BC 0.41		Vert(LL) -0.06 12 >999 240		GRIP	
		BCLL 0.0 *		Rep Stress Incr YES		WB 0.40		Vert(CT) -0.11 12-13 >999 180		244/190	
		BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS		Horz(CT) 0.05 7 n/a n/a		Weight: 148 lb FT = 20%	

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-4-7 oc bracing.

REACTIONS. (size) 2=0-5-8, 7=0-5-8
Max Horz 2=-237(LC 10)
Max Uplift 2=-434(LC 12), 7=-434(LC 13)
Max Grav 2=1082(LC 1), 7=1082(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1564/667, 3-4=-1178/587, 4-5=-983/560, 5-6=-1179/587, 6-7=-1564/667
BOT CHORD 2-13=-489/1289, 12-13=-489/1289, 10-12=-249/956, 9-10=-438/1289, 7-9=-438/1289
WEBS 3-12=-534/294, 4-12=-137/379, 5-10=-123/377, 6-10=-532/295

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=434, 7=434.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1, 2020

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Tampa, FL 33610

Job 2552276	Truss T09	Truss Type FINK	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027546
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8,240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:29 2020 Page 1
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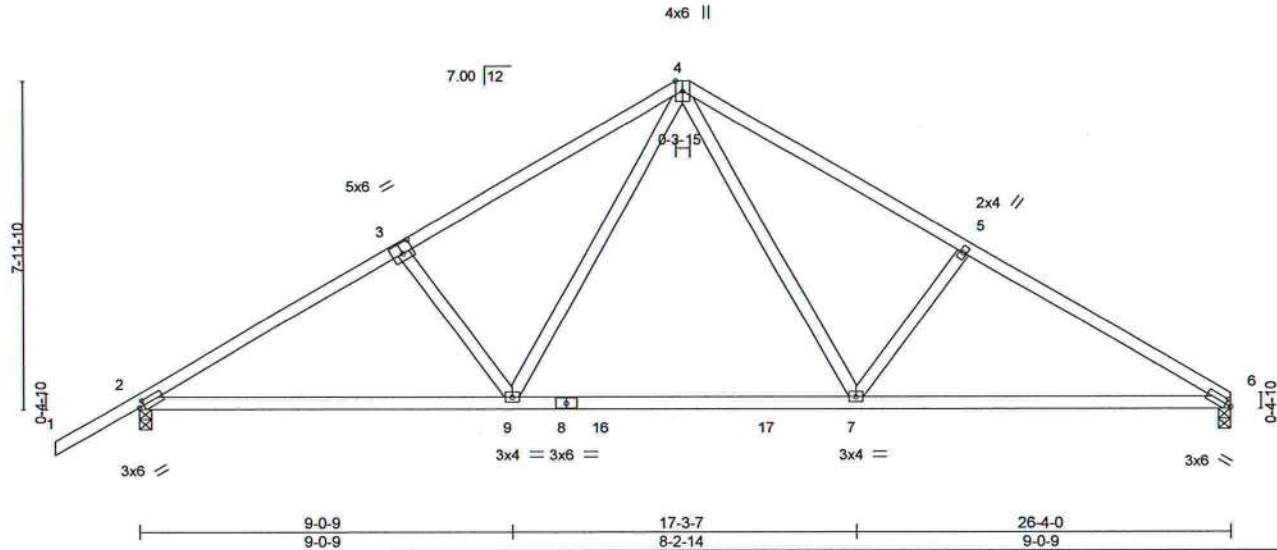


Plate Offsets (X,Y)-- [2-0-1-8,0-1-8], [3-0-3-0,0-3-0], [6-0-1-8,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.52	Vert(LL)	-0.22	7-9	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.75	Vert(CT)	-0.31	7-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.42	Horz(CT)	0.04	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						Weight: 127 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-1 oc bracing.

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=262(LC 9)
Max Uplift 2=428(LC 12), 6=357(LC 13)
Max Grav 2=1086(LC 1), 6=971(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1533/674, 3-4=-1405/671, 4-5=-1398/682, 5-6=-1532/686
BOT CHORD 2-9=-539/1425, 7-9=-211/901, 6-7=-502/1287
WEBS 3-9=-424/347, 4-9=-263/634, 4-7=-282/656, 5-7=-418/357

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=428, 6=357.



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MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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December 1,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss T10	Truss Type Common	Qty 7	Ply 1	EDGLEY CONST. - SEALS RES.	T22027547
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8,240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:29 2020 Page 1

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Job Reference (optional)



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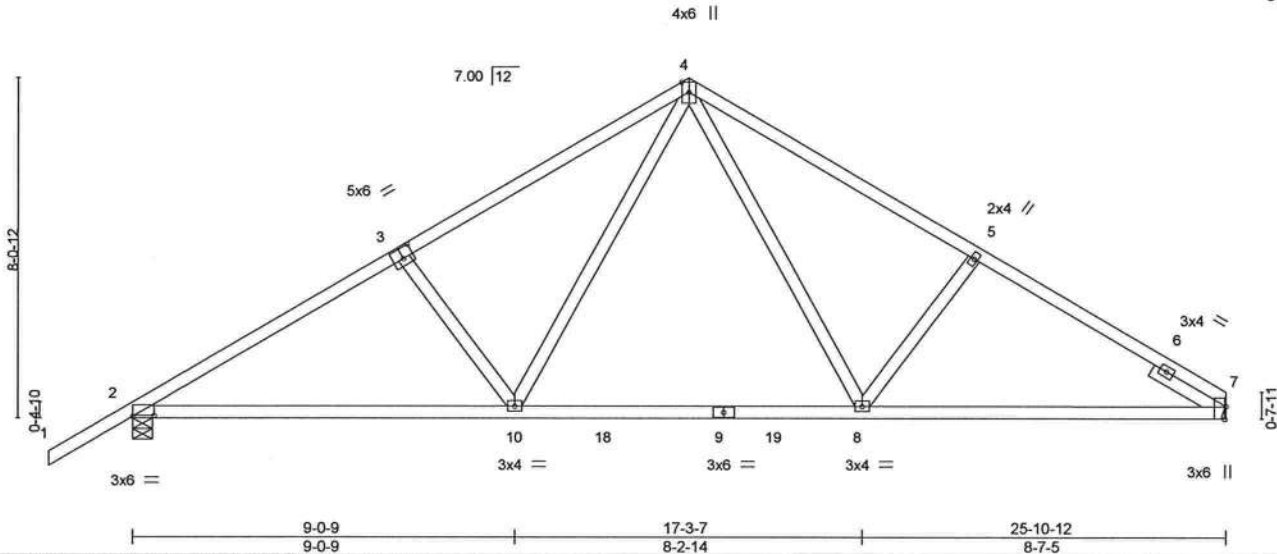


Plate Offsets (X,Y)~		[2-0-6-0,0-0-3], [3-0-3-0,0-3-0], [7-0-3-10,Edge]	
LOADING (psf)	SPACING-	CSI.	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.53	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.74	Vert(LL) -0.22 8-10 >999 240
BCLL 0.0 *	Rep Stress Incr YES	WB 0.40	Vert(CT) -0.31 8-10 >999 180
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS	Horz(CT) 0.04 7 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 128 lb FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x4 SP No.3 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-1 oc bracing.

REACTIONS. (size) 7=Mechanical, 2=0-5-8
Max Horz 2=262(LC 9)
Max Uplift 7=-348(LC 13), 2=-423(LC 12)
Max Grav 7=954(LC 1), 2=1070(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1503/661, 3-4=-1376/659, 4-5=-1318/648, 5-7=-1359/649
BOT CHORD 2-10=-539/1399, 8-10=-209/868, 7-8=-471/1190
WEBS 3-10=-429/350, 4-10=-267/645, 4-8=-256/582, 5-8=-374/337

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=348, 2=423.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss T11	Truss Type Half Hip	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027548
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:30 2020 Page 1
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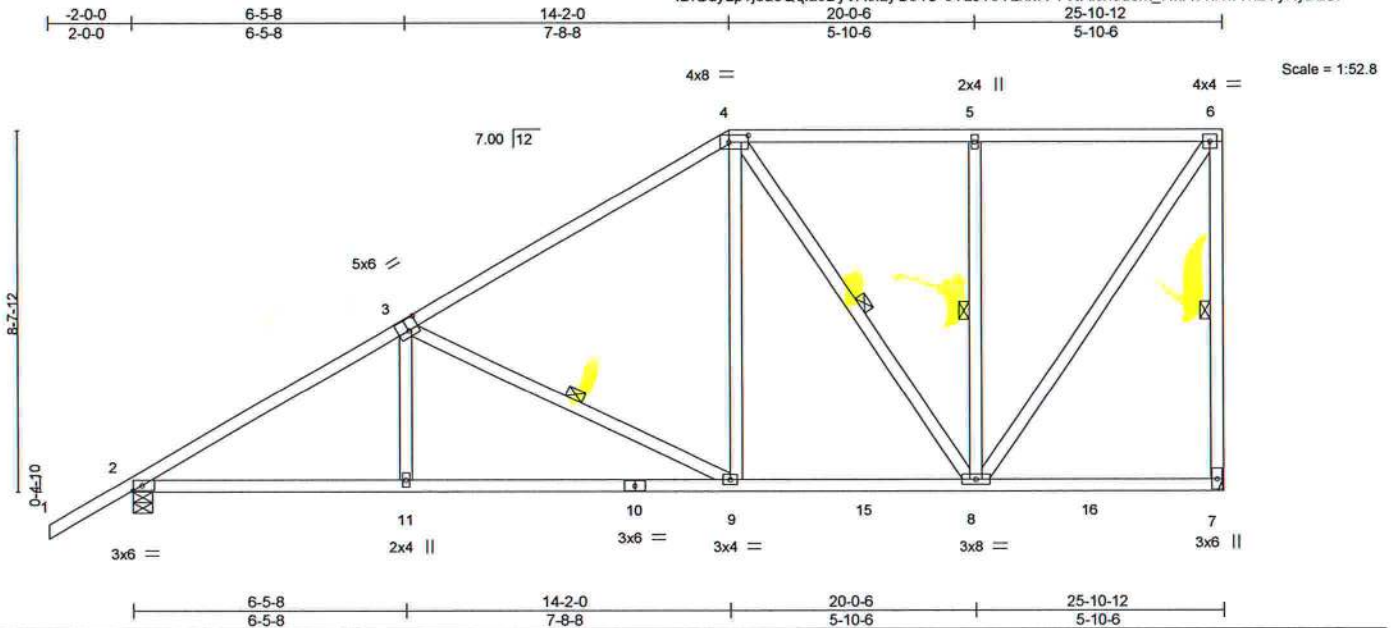


Plate Offsets (X,Y)-- [3:0-3-0,0-3-4], [4:0-5-8,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.60	Vert(LL)	-0.10	9-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.21	9-11	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.97	Horz(CT)	0.04	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS							
									Weight: 167 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 4-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-8-1 oc bracing.
WEBS 1 Row at midpt 6-7, 3-9, 4-8, 5-8

REACTIONS.

(size) 7=Mechanical, 2=0-5-8
Max Horz 2=452(LC 12)
Max Uplift 7=397(LC 12), 2=432(LC 12)
Max Grav 7=963(LC 2), 2=1065(LC 1)

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

TOP CHORD 2-3=-1539/552, 3-4=-972/389, 4-5=-532/286, 5-6=-532/286, 6-7=-896/513
BOT CHORD 2-11=-785/1358, 9-11=-785/1358, 8-9=-419/747
WEBS 3-11=0/304, 3-9=-736/418, 4-9=-143/496, 4-8=-449/275, 5-8=-348/285, 6-8=-501/930

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=397, 2=432.



Walter P. Finn PE No.22839
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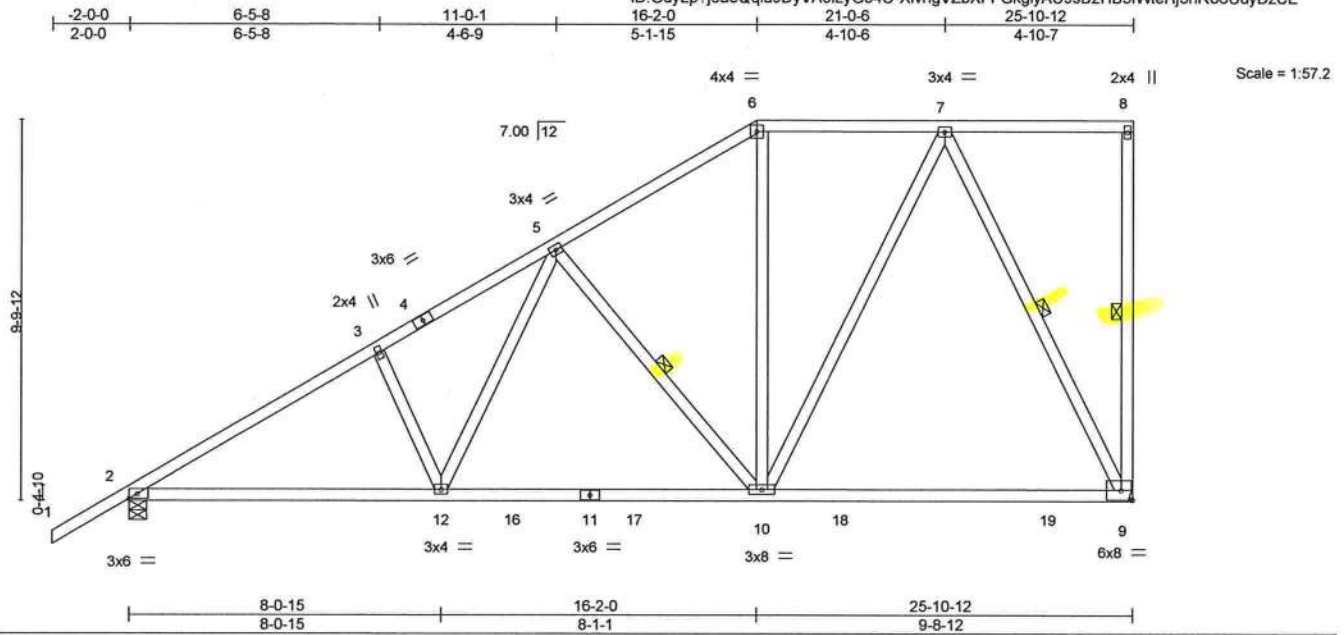
6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss T12	Truss Type Half Hip	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027549
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8 240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:31 2020 Page 1

ID:GdyLp7?6aeQqia9DyVA5iLyG34O-XlvhgVZbXFFGkglyAU9sB2HB5iVMeHj3hRo6UuyDzCE



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.46	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.62	Vert(LL) -0.28 9-10 >999 240		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.65	Vert(CT) -0.46 9-10 >674 180		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS	Horz(CT) 0.03 9 n/a n/a		
				Weight: 170 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
 9-11: 2x4 SP M 31
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-6-5 oc bracing.
WEBS 1 Row at midpt 8-9, 5-10, 7-9

REACTIONS. (size) 9=Mechanical, 2=0-5-8
 Max Horz 2=509(LC 12)
 Max Uplift 9=433(LC 12), 2=416(LC 12)
 Max Grav 9=994(LC 2), 2=1090(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=1521/503, 3-5=1422/553, 5-6=807/333, 6-7=655/342
BOT CHORD 2-12=788/1359, 10-12=586/1022, 9-10=228/387
WEBS 3-12=343/267, 5-12=229/547, 5-10=599/384, 7-10=297/680, 7-9=851/511

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=433, 2=416.



Walter P. Finn PE No.22839
 MiTek USA, Inc. FL Cert 6634
 6904 Parke East Blvd. Tampa FL 33610
 Date:

December 1, 2020

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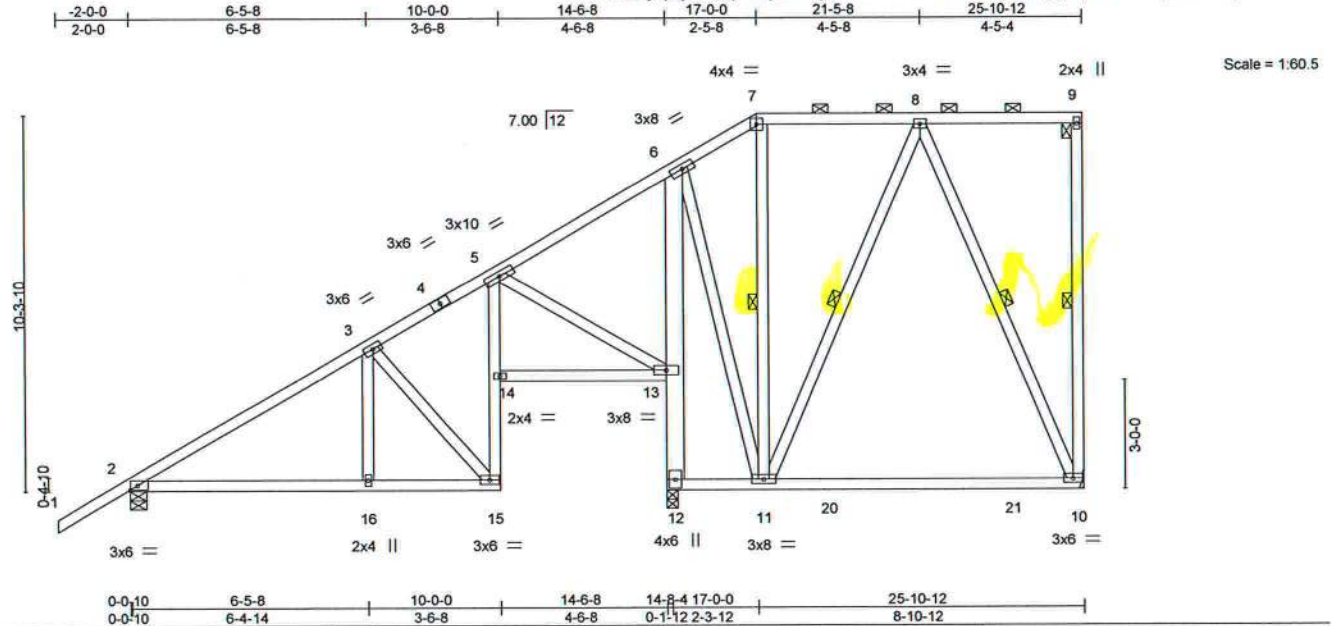
MiTek

6904 Parke East Blvd.
 Tampa, FL 33610

Job 2552276	Truss T13	Truss Type Piggyback Base	Qty 2	Ply 1	EDGLEY CONST. - SEALS RES. T22027550
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:32 2020 Page 1
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.43	Vert(LL)	-0.26 10-11	>516	240	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.92	Vert(CT)	-0.41 10-11	>324	180		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.41	Horz(CT)	-0.03 12	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-MS						
	Code FBC2017/TPI2014						Weight: 206 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-9.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 5-15: 2x4 SP No.3, 6-12: 2x6 SP No.2	WEBS 1 Row at midpt 9-10, 7-11, 8-11, 8-10

REACTIONS. (size) 10=Mechanical, 2=0-5-8, 12=0-3-8
Max Horz 2=532(LC 12)
Max Uplift 10=-222(LC 8), 2=-80(LC 12), 12=-771(LC 12)
Max Grav 10=294(LC 2), 2=536(LC 1), 12=1280(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-481/0, 5-6=-387/538
BOT CHORD 2-16=-250/447, 15-16=-250/447, 14-15=-205/406, 5-14=-168/419, 12-13=-1458/794,
6-13=-1077/600
WEBS 3-15=-509/268, 5-13=-645/377, 6-11=-260/634

NOTES-

- 1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Provide adequate drainage to prevent water ponding.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2 except (jt=lb) 10=222, 12=771.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

December 1, 2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS1 Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



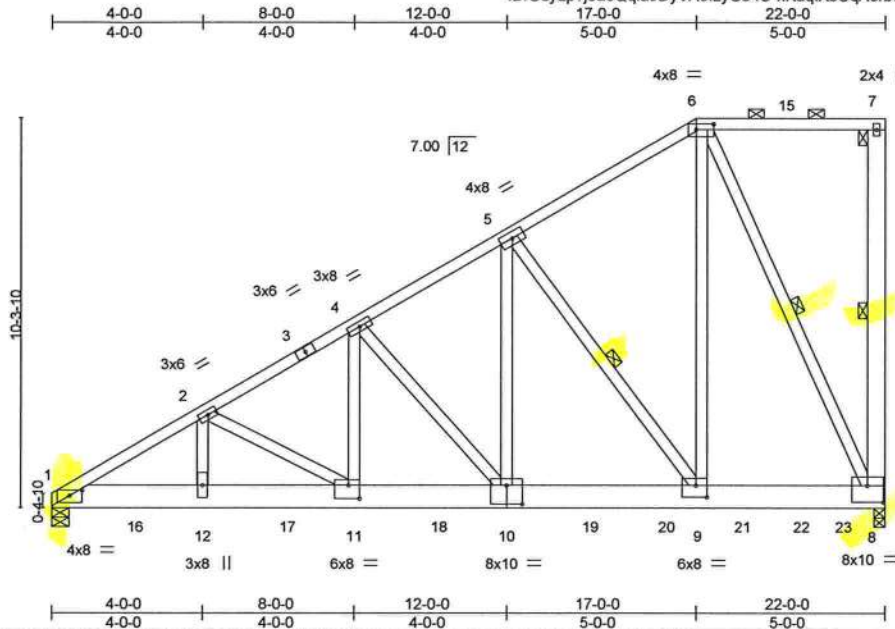
6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss T14	Truss Type Piggyback Base Girder	Qty 1	Ply 2	EDGLEY CONST. - SEALS RES. T22027551
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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Scale = 1:58.6

Plate Offsets (X,Y)-- [1:0-4-0,0-1-1], [6:0-5-8,0-1-12], [8:0-5-0,0-5-4], [9:0-3-8,0-3-12], [10:0-5-0,0-6-0], [11:0-3-8,0-4-4]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCCL 20.0	Plate Grip DOL 1.25	TC 0.40	Vert(LL) 0.14	10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.34	Vert(CT) -0.23	10-11	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.99	Horz(CT) 0.04	8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS						
							Weight: 403 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
7-8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-8, 5-9, 6-8

REACTIONS. (size) 8=0-3-8, 1=0-5-8
Max Horz 1=484(LC 8)
Max Uplift 8=-2125(LC 8), 1=-2344(LC 8)
Max Grav 8=4308(LC 1), 1=6127(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-9306/3590, 2-4=-7237/2819, 4-5=-5093/2042, 5-6=-2256/978
BOT CHORD 1-12=-3517/8018, 11-12=-3517/8018, 10-11=-2742/6218, 9-10=-1962/4357, 8-9=-934/1956
WEBS 2-12=-672/1861, 2-11=-2065/888, 4-11=-1130/3001, 4-10=-2829/1186, 5-10=-1761/4499, 5-9=-4141/1777, 6-9=-2217/4845, 6-8=-4440/2119

NOTES-

- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=2125, 1=2344.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 942 lb down and 360 lb up at 0-0-0, 934 lb down and 368 lb up at 2-2-12, 934 lb down and 368 lb up at 4-2-12, 934 lb down and 368 lb up at 6-2-12, 934 lb down and 368 lb up at 8-2-12, 934 lb down and 368 lb up at 10-2-12, 934 lb down and 368 lb up at 12-2-12, 929 lb down and 417 lb up at 14-2-12, 974 lb down and 453 lb up at 16-2-12, and 240 lb down and 244 lb up at 18-2-12, and 261 lb down and 244 lb up at 20-2-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Continued on page 2



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December 1,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027551
2552276	T14	Piggyback Base Girder	1	2	Job Reference (optional)	

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-6=-54, 6-7=-54, 1-8=-20

Concentrated Loads (lb)

Vert: 1=-942(F) 12=-934(F) 11=-934(F) 10=-934(F) 16=-934(F) 17=-934(F) 18=-934(F) 19=-929(F) 20=-929(F) 21=-211(F) 23=-211(F)



Job 2552276	Truss T15	Truss Type Piggyback Base	Qty 5	Ply 1	EDGLEY CONST. - SEALS RES.	T22027552
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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ID: GdYLP7j6aeQqia9DyVA5iLyG34O-PW8CWtc6bUmiDH3jPKEOuSugNq4a7wfc2mJdfyDzCA

Job Reference (optional)

-2-0-0	5-2-12	11-1-6	17-0-0	21-5-0	25-10-0	31-8-10	37-7-4	42-10-0	44-10-0
2-0-0	5-2-12	5-10-10	5-10-10	4-5-0	4-5-0	5-10-10	5-10-10	5-2-12	2-0-0

Scale = 1:77.5

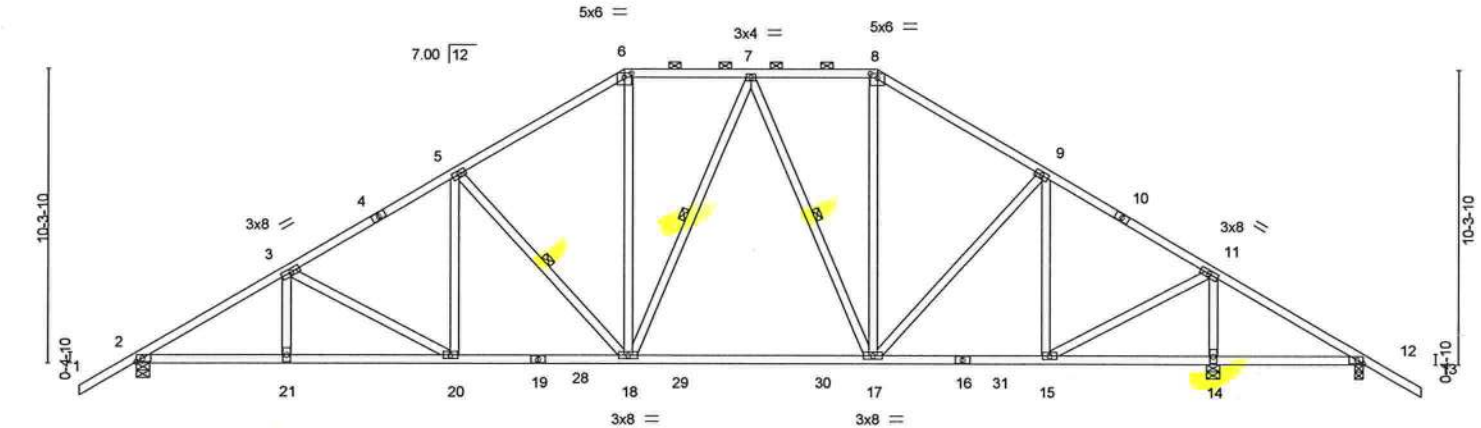


Plate Offsets (X,Y)~	[6-0-3-0,0-1-12], [8-0-3-0,0-1-12], [12-0-2-8,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL)	-0.24 17-18	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.79	Vert(CT)	-0.41 17-18	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.57	Horz(CT)	0.07 14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 275 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except 2-0-0 oc purlins (5-2-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-18, 7-18, 7-17

REACTIONS. (size) 2=0-5-8, 14=0-5-8, 12=0-3-8
Max Horz 2=346(LC 10)
Max Uplift 2=597(LC 12), 14=637(LC 13), 12=166(LC 10)
Max Grav 2=1461(LC 1), 14=1896(LC 1), 12=104(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=2323/1012, 3-5=1945/929, 5-6=1522/831, 6-7=1260/780, 7-8=1079/697,
8-9=1299/735, 9-11=1103/573, 11-12=187/575
BOT CHORD 2-21=854/2114, 20-21=854/2114, 18-20=619/1740, 17-18=322/1203, 15-17=215/891,
14-15=453/267, 12-14=453/267
WEBS 3-20=498/266, 5-20=93/360, 5-18=675/409, 6-18=227/524, 7-18=130/310,
7-17=471/282, 8-17=177/413, 9-17=195/323, 9-15=591/291, 11-15=512/1489,
11-14=1755/813

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) 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 100 lb uplift at joint(s) except (jt=lb) 2=597, 14=637, 12=166.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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December 1, 2020

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Tampa, FL 33610

Job 2552276	Truss T16	Truss Type Piggyback Base	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES. T22027553
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Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:37 2020 Page 1

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Job Reference (optional)

-2-0-0	5-2-12	11-1-6	17-0-0	21-5-0	25-10-0	31-8-10	37-7-4	42-10-0
2-0-0	5-2-12	5-10-10	5-10-10	4-5-0	4-5-0	5-10-10	5-10-10	5-2-12

Scale = 1:74.2

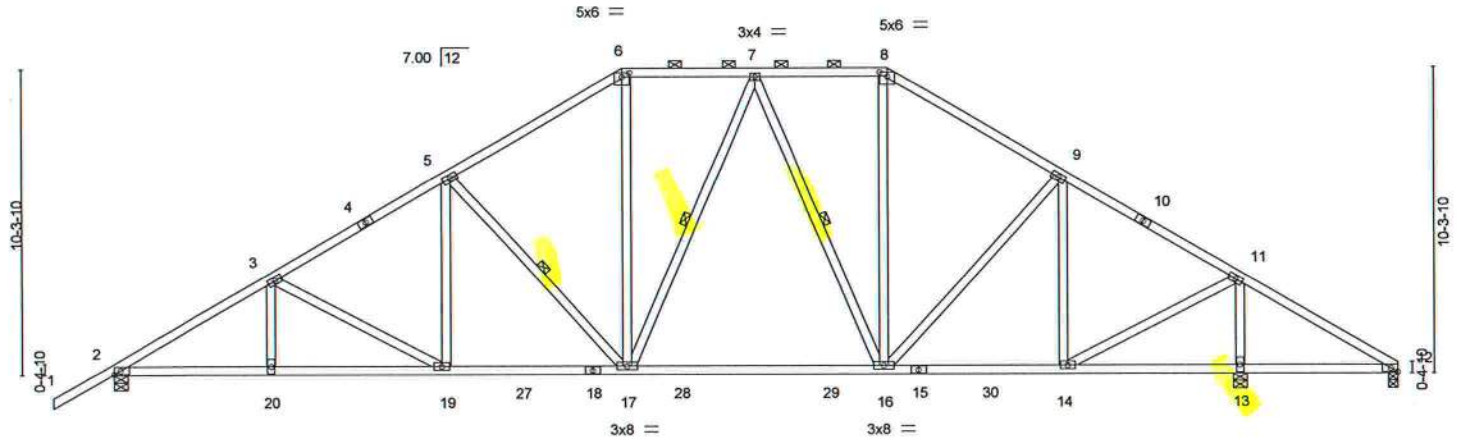


Plate Offsets (X,Y)--		[6:0-3-0,0-1-12], [8:0-3-0,0-1-12], [12:0-2-8,Edge]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.43	Vert(LL)	-0.24 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.79	Vert(CT)	-0.41 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.56	Horz(CT)	0.07 13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 271 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-9-0 oc purlins, except 2-0-0 oc purlins (5-2-0 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-17, 7-17, 7-16

REACTIONS.

(size) 2=0-5-8, 13=0-5-8, 12=0-3-8
Max Horz 2=334(LC 9)
Max Uplift 2=596(LC 12), 13=665(LC 13), 12=189(LC 19)
Max Grav 2=1463(LC 1), 13=1906(LC 1), 12=76(LC 12)

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

TOP CHORD 2-3=-2325/1008, 3-5=-1947/925, 5-6=-1524/827, 6-7=-1259/776, 7-8=-1077/692,
8-9=-1302/729, 9-11=-1110/561, 11-12=-196/553
BOT CHORD 2-20=-877/2099, 19-20=-877/2099, 17-19=-642/1725, 16-17=-336/1205, 14-16=-256/895,
13-14=-414/201, 12-13=-414/201
WEBS 3-19=-498/266, 5-19=-93/360, 5-17=-676/409, 6-17=-225/525, 7-17=-131/309,
7-16=-471/282, 8-16=-173/413, 9-16=-197/322, 9-14=-585/296, 11-14=-512/1472,
11-13=-1749/829

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=596, 13=665, 12=189.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1, 2020



WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK 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 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

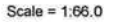


6904 Parke East Blvd.
Tampa, FL 33610

T22027554

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:38 2020 Page 1

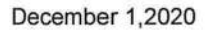
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NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCFL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=669, 10=414.
- 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

A circular professional engineer seal for Walter P. Finn. The outer ring contains the text "WALTER P. FINN" at the top and "LICENSE" at the bottom. In the center, it says "No 22839". Below the number is a stylized signature. The seal is partially cut off on the right side.



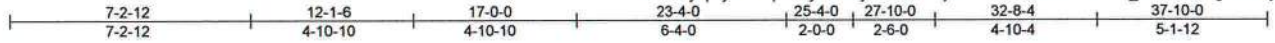
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027555
2552276	T18	Piggyback Base	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:39 2020 Page 1

ID:GdyLp7j6aeQqia9DyVA5iLyG340-IHOjMEfcfG8ivMUe9kVkcXT_ABWxDFXgkXmQyDzC6



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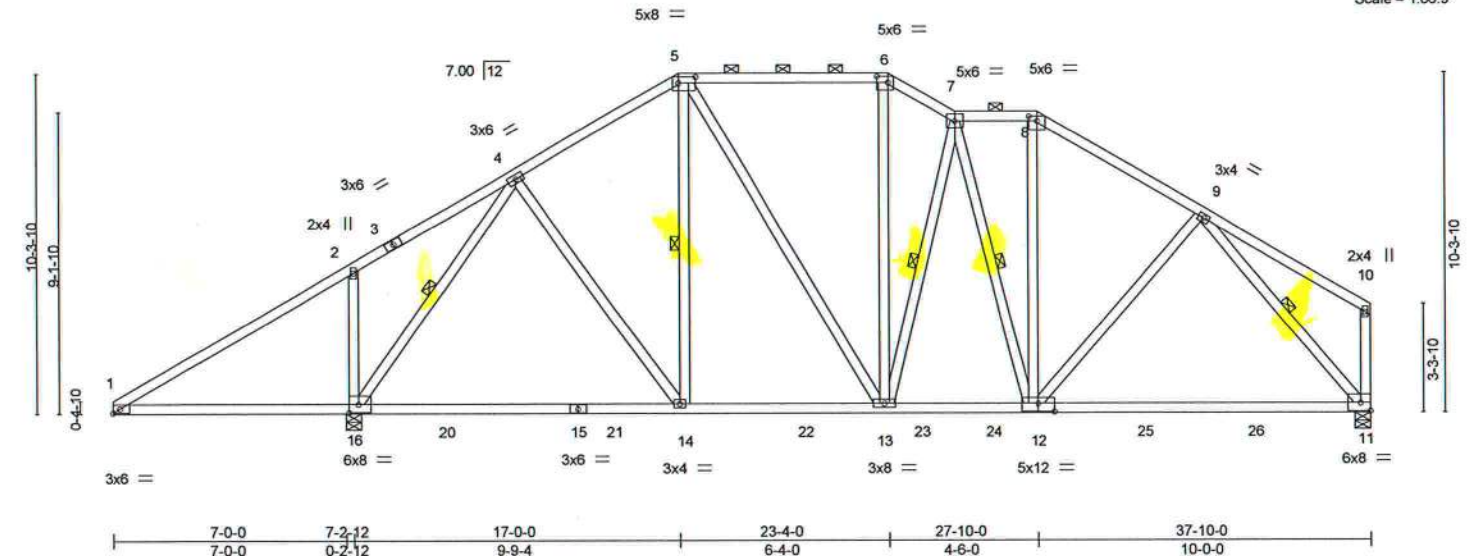


Plate Offsets (X,Y)-- [5:0-6-0,0-2-4], [6:0-4-0,0-2-4], [8:0-3-0,0-1-12], [12:0-6-0,0-3-0], [16:0-3-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.62	Vert(LL)	-0.30 14-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.91	Vert(CT)	-0.54 11-12	>682	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.55	Horz(CT)	0.03 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 262 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-7 oc purlins, except end verticals, and 2-0-0 oc purlins (5-6-0 max.): 5-6, 7-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
WEBS 6-0-0 oc bracing: 1-16. 1 Row at midpt 4-16, 5-14, 7-13, 7-12, 9-11

REACTIONS. (size) 16=0-5-8, 11=0-5-8
Max Horz 16=299(LC 9)
Max Uplift 16=-612(LC 12), 11=-394(LC 13)
Max Grav 16=1725(LC 1), 11=1107(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-457/511, 2-4=-232/454, 4-5=-889/428, 5-6=-827/518, 6-7=-950/550, 7-8=-862/494, 8-9=-1061/516
BOT CHORD 1-16=-365/467, 14-16=-266/593, 13-14=-243/745, 12-13=-253/907, 11-12=-298/754
WEBS 2-16=-440/394, 4-16=-1359/674, 4-14=-153/445, 5-13=-183/287, 6-13=-115/305, 7-13=-429/283, 8-12=-105/331, 9-11=-1093/459

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; cantilever left exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=612, 11=394.
 - 7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1,2020

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Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek

6904 Parke East Blvd.
Tampa, FL 33610

Job 2552276	Truss T20	Truss Type Hip Girder	Qty 1	Ply 2	EDGLEY CONST. - SEALS RES. T22027556
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,					Job Reference (optional)

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:46 2020 Page 1
ID:GdyLp?j6aeQqia9DyVA5iLyG34O-bdJMqdk??s882zOqY8wNHDPklog_f4jH8GwOWWYDzC?

Scale = 1:82.8

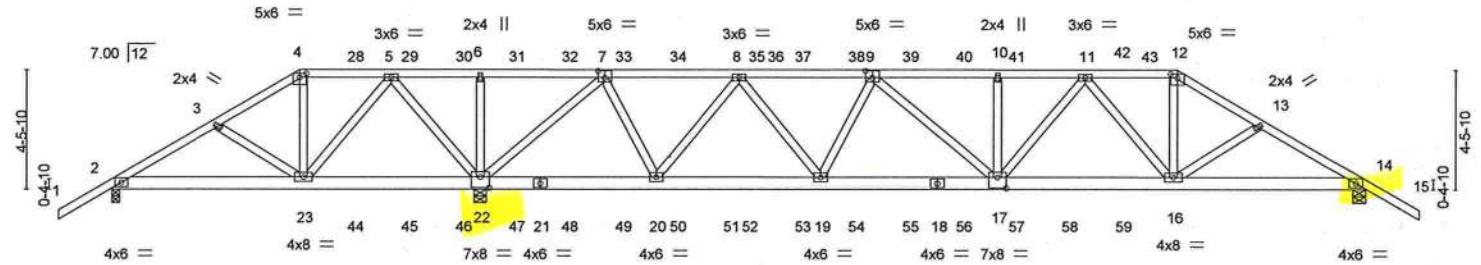


Plate Offsets (X,Y) -		[4:0-3-0-0-1-12], [7:0-3-0-0-3-0], [9:0-3-0-0-3-0], [12:0-3-0-0-1-12], [17:0-4-0-0-4-12], [22:0-4-0-0-4-12]	
LOADING (psf)	SPACING-	CSL	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.52	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.45	Vert(LL) 0.17 16-17 >999 240
BCLL 0.0 *	Rep Stress Incr NO	WB 0.69	Vert(CT) -0.21 17-19 >999 180
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS	Horz(CT) 0.03 14 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 592 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD
BOT CHORD 2x6 SP No.2	BOT CHORD
WEBS 2x4 SP No.3	Structural wood sheathing directly applied or 6-0-0 oc purlins.
	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.	(size) 2=0-3-8, 22=0-5-8, 14=0-5-8
	Max Horz 2=165(LC 7)
	Max Uplift 2=523(LC 27), 22=3432(LC 5), 14=1386(LC 9)
	Max Grav 2=395(LC 6), 22=5204(LC 1), 14=2110(LC 20)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=583/953, 3-4=551/1000, 4-5=486/878, 5-6=2070/3218, 6-7=2070/3218, 7-8=895/603, 8-9=3214/2135, 9-10=4000/2711, 10-11=4000/2711, 11-12=3048/2169, 12-13=3507/2429, 13-14=3668/2486
BOT CHORD	2-23=807/643, 22-23=1946/1396, 20-22=233/310, 19-20=1399/2181, 17-19=2269/3549, 16-17=2320/3608, 14-16=2021/3124
WEBS	4-23=646/415, 5-23=1203/1795, 5-22=2050/1457, 6-22=288/268, 7-22=3979/2604, 7-20=1569/2557, 8-20=2144/1473, 8-19=1072/1722, 9-19=795/640, 9-17=404/606, 11-17=348/646, 11-16=920/616, 12-16=945/1477

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=523, 22=3432, 14=1386.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

Continued on page 2

December 1,2020

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Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027556
2552276	T20	Hip Girder	1	2	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244, 8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:46 2020 Page 2
ID:GdyLp?j6aeQqia9DyVA5iLyG34O-bdJMqdk??s882zOqY8wNHDPklog_f4jH8GwOWWYDzC?

NOTES-
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 89 lb down and 84 lb up at 7-0-0, 89 lb down and 80 lb up at 9-0-12, 89 lb down and 80 lb up at 11-0-12, 89 lb down and 80 lb up at 13-0-12, 89 lb down and 80 lb up at 15-0-12, 89 lb down and 80 lb up at 17-0-12, 89 lb down and 80 lb up at 19-0-12, 89 lb down and 80 lb up at 21-0-12, 89 lb down and 74 lb up at 23-0-12, 89 lb down and 74 lb up at 23-9-4, 89 lb down and 80 lb up at 25-9-4, 89 lb down and 80 lb up at 27-9-4, 89 lb down and 80 lb up at 29-9-4, 89 lb down and 80 lb up at 31-9-4, 89 lb down and 80 lb up at 33-9-4, 89 lb down and 80 lb up at 35-9-4, and 89 lb down and 80 lb up at 37-9-4, and 158 lb down and 239 lb up at 39-10-0 on top chord, and 438 lb down and 389 lb up at 7-0-0, 177 lb down and 102 lb up at 9-0-12, 177 lb down and 102 lb up at 11-0-12, 174 lb down and 102 lb up at 13-0-12, 159 lb down and 102 lb up at 15-0-12, 159 lb down and 102 lb up at 17-0-12, 159 lb down and 102 lb up at 19-0-12, 159 lb down and 102 lb up at 21-0-12, 159 lb down and 102 lb up at 23-0-12, 159 lb down and 102 lb up at 23-9-4, 159 lb down and 102 lb up at 25-9-4, 159 lb down and 102 lb up at 27-9-4, 159 lb down and 102 lb up at 29-9-4, 159 lb down and 102 lb up at 31-9-4, 159 lb down and 102 lb up at 33-9-4, 159 lb down and 102 lb up at 35-9-4, and 159 lb down and 102 lb up at 37-9-4, and 382 lb down and 389 lb up at 39-9-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-12=-54, 12-15=-54, 2-14=-20
Concentrated Loads (lb)
Vert: 4=-20(B) 12=-93(B) 23=-370(B) 16=-370(B) 28=-20(B) 29=-20(B) 30=-20(B) 31=-20(B) 32=-20(B) 33=-20(B) 34=-20(B) 35=-20(B) 36=-20(B) 37=-20(B) 38=-20(B) 39=-20(B) 40=-20(B) 41=-20(B) 42=-20(B) 43=-20(B) 44=-147(B) 45=-147(B) 46=-147(B) 47=-147(B) 48=-147(B) 49=-147(B) 50=-147(B) 51=-147(B) 52=-147(B) 53=-147(B) 54=-147(B) 55=-147(B) 56=-147(B) 57=-147(B) 58=-147(B) 59=-147(B)



Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027557
2552276	T21	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

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ID:GdyLp7j6aeQqia9DyVA5iLyG340-3qlk1zlemAG7f7z06RcQyY3Cx00X4QNwgy2yyDzC_

2-0-0	4-11-4	9-0-0	13-8-12	18-5-11	23-5-0	28-4-5	33-1-4	37-10-0	41-10-12	46-10-0	48-10-0
2-0-0	4-11-4	4-0-12	4-8-12	4-8-15	4-11-5	4-11-5	4-8-15	4-8-12	4-0-12	4-11-4	2-0-0

Scale = 1:82.8

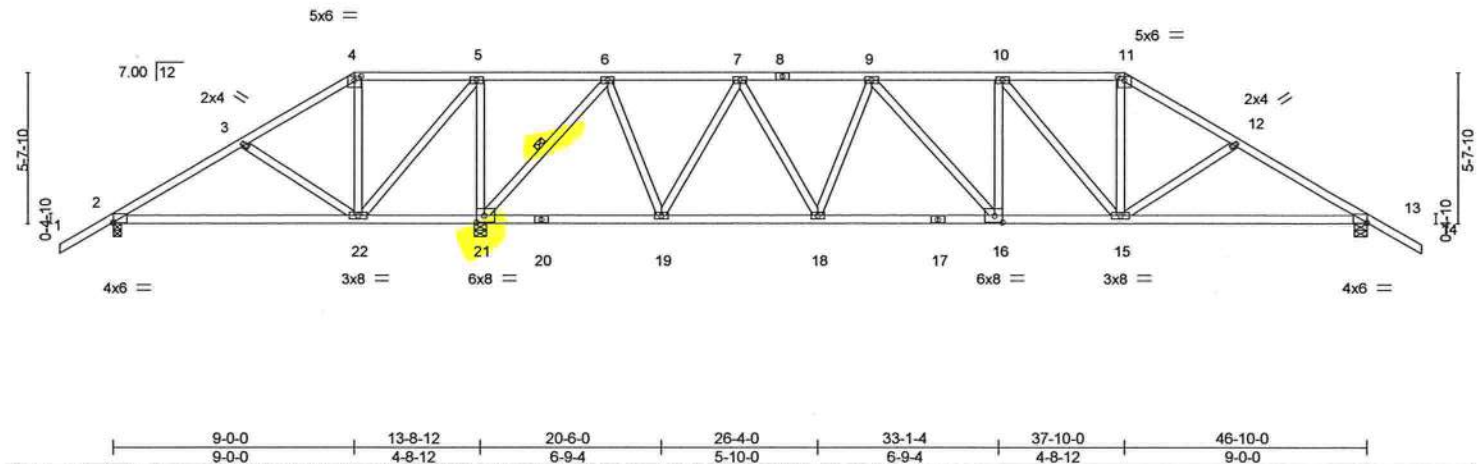


Plate Offsets (X,Y)–		[2:0-0,0-0-5], [4:0-3-0,0-1-12], [11:0-3-0,0-1-12], [13:Edge,0-0-5], [16:0-3-8,0-3-0], [21:0-3-8,0-3-0]								
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.52	Vert(LL)	0.22 22-25 >735	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.33 15-28 >999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.04 13 n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS						
									Weight: 269 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-9 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 5-6-2 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 6-21

REACTIONS.	(size) 2=0-3-8, 21=0-5-8, 13=0-5-8
	Max Horz 2=-201(LC 10)
	Max Uplift 2=-177(LC 12), 21=-1072(LC 9), 13=-544(LC 13)
	Max Grav 2=237(LC 23), 21=2317(LC 1), 13=1170(LC 24)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-166/474, 3-4=-154/550, 4-5=-110/476, 5-6=-374/1045, 6-7=-414/303, 7-9=-1147/644, 9-10=-1431/781, 10-11=-1242/674, 11-12=-1488/722, 12-13=-1720/802
BOT CHORD	2-22=-379/310, 21-22=-1045/670, 18-19=-355/855, 16-18=-490/1300, 15-16=-506/1431, 13-15=-566/1441
WEBS	3-22=-363/314, 4-22=-433/170, 5-22=-744/970, 5-21=-1020/779, 6-21=-1596/772, 6-19=-409/1006, 7-19=-929/482, 7-18=-261/620, 9-18=-442/286, 10-15=-364/266, 11-15=-198/504, 12-15=-355/239

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) 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.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=177, 21=1072, 13=544.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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December 1,2020

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027558
2552276	T22	Hip	1	1		

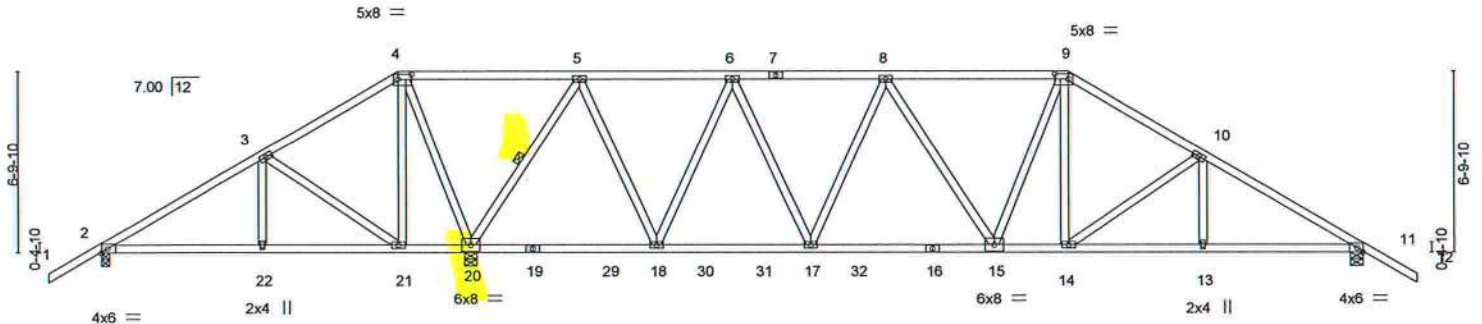
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:49 2020 Page 1

ID:GdyLp7?6aeQqia9DyVAsiLyG34O-7C_VSfnulnXjvR7PEGU4vr1Ew0gasM7jqE936ryDzBy

-2-0-0	5-11-7	11-0-0	17-8-14	23-5-0	29-1-1	35-10-0	40-10-9	46-10-0	48-10-0
2-0-0	5-11-7	5-0-9	6-8-14	5-8-1	5-8-1	6-8-14	5-0-9	5-11-7	2-0-0

Scale = 1:82.8



5-11-7	11-0-0	13-8-12	20-6-15	26-3-1	33-1-4	35-10-0	40-10-9	46-10-0
5-11-7	5-0-9	2-8-12	6-10-3	5-8-2	6-10-3	2-8-12	5-0-9	5-11-7

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

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	-0.11 15-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.21 15-17	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.90	Horz(CT)	0.04 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 280 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-20

REACTIONS. (size) 2=0-3-8, 20=0-5-8, 11=0-5-8
Max Horz 2=237(LC 11)
Max Uplift 2=168(LC 12), 20=997(LC 9), 11=547(LC 13)
Max Grav 2=244(LC 23), 20=2328(LC 1), 11=1173(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-129/478, 3-4=-177/700, 4-5=-332/915, 5-6=-379/277, 6-8=-943/544,
8-9=-1143/642, 9-10=-1355/682, 10-11=-1738/768
BOT CHORD 2-22=-392/320, 21-22=-392/320, 20-21=-559/426, 18-20=-265/275, 17-18=-274/710,
15-17=-378/1121, 14-15=-302/1112, 13-14=-517/1438, 11-13=-517/1438
WEBS 3-22=-243/260, 3-21=-514/542, 4-21=-448/281, 4-20=-959/771, 5-20=-1541/790,
5-18=-421/1052, 6-18=-890/467, 6-17=-246/599, 8-17=-460/287, 9-14=-141/342,
10-14=-534/283

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=168, 20=997, 11=547.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027559
2552276	T23	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:50 2020 Page 1

ID:GdyLp?j6aeQqia9DyVA5iLyG34O-TPYtf?nW35faWbibnz?JS3ZP9Q?ZbrLs3uuceHyDzBx

-2-0-0	6-5-11	13-0-0	18-2-3	23-5-0	28-7-13	33-10-0	40-4-5	46-10-0	48-10-0
2-0-0	6-5-11	6-6-5	5-2-3	5-2-13	5-2-13	5-2-3	6-6-5	6-5-11	2-0-0

Scale = 1:84.2

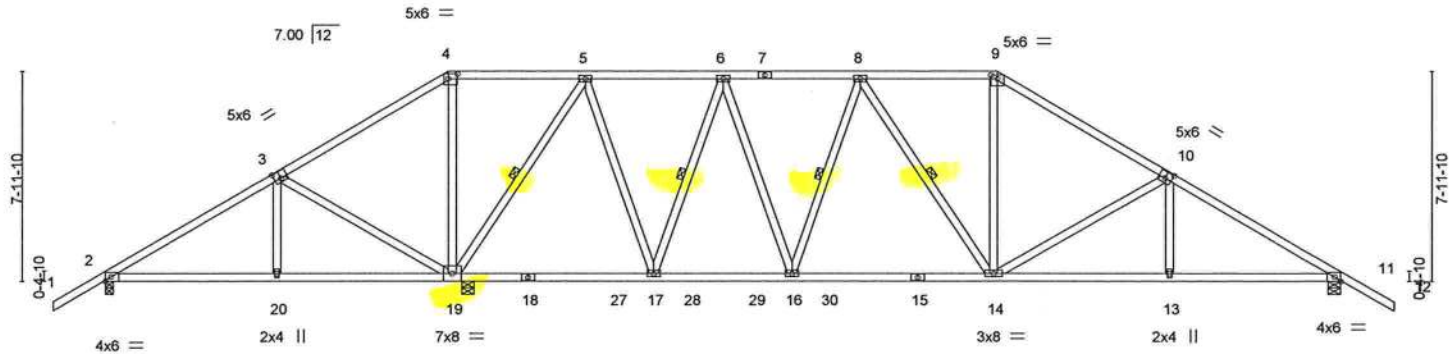


Plate Offsets (X,Y)--	[3:0-3-0,0-3-4], [4:0-4-0,0-2-4], [9:0-3-0,0-1-12], [10:0-3-0,0-3-0]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.59	Vert(LL)	-0.15 14-16	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.27 14-16	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.78	Horz(CT)	0.04 11	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 280 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-12 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-19, 6-17, 8-16, 8-14

REACTIONS.	(size) 2=0-3-8, 19=0-5-8, 11=0-5-8
	Max Horz 2=273(LC 11)
	Max Uplift 2=-148(LC 12), 19=-891(LC 9), 11=-558(LC 13)
	Max Grav 2=246(LC 23), 19=2305(LC 1), 11=1210(LC 24)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-99/503, 3-4=-325/869, 4-5=-199/697, 5-6=-496/335, 6-8=-917/535, 8-9=-1062/636, 9-10=-1321/653, 10-11=-1799/787
BOT CHORD	2-20=-409/330, 19-20=-413/332, 16-17=-252/744, 14-16=-288/1013, 13-14=-529/1486, 11-13=-528/1489
WEBS	3-20=-292/272, 3-19=-599/673, 4-19=-682/364, 5-19=-1447/702, 5-17=-386/1024, 6-17=-828/445, 6-16=-223/546, 8-16=-404/263, 8-14=-55/255, 9-14=-110/371, 10-14=-634/365, 10-13=0/258

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) 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 100 lb uplift at joint(s) except (jt=lb) 2=148, 19=891, 11=558.



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MiTek USA, Inc. FL Cert 6634
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Date:

December 1,2020

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027560
2552276	T24	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:52 2020 Page 1

ID:GdyLp7j6aeQqia9DyVA5iLyG34O-Qngd4hpbvilmus_vO1nXUfkCDeH3mI9WCNjiAyDzBv

2-0-0	8-0-0	15-0-0	20-3-12	26-6-4	31-10-0	38-10-0	46-10-0	48-10-0
2-0-0	8-0-0	7-0-0	5-3-12	6-2-8	5-3-12	7-0-0	8-0-0	2-0-0

Scale = 1:84.2

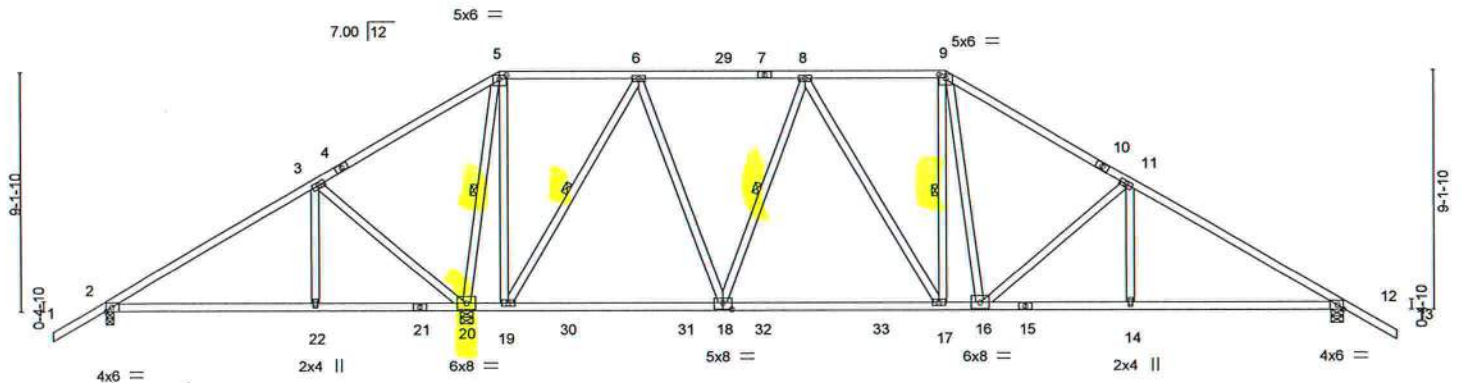


Plate Offsets (X,Y)-	8-0-0	13-8-12	15-0-0	23-5-0	31-10-0	33-1-4	38-10-0	46-10-0
	8-0-0	5-8-12	1-3-4	8-5-0	8-5-0	1-3-4	5-8-12	8-0-0

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.69	Vert(LL)	0.21 22-25	>764	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.78	Vert(CT)	-0.27 17-18	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.72	Horz(CT)	0.05 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 296 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-13 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 5-20, 6-19, 8-18, 9-17

REACTIONS. (size) 2=0-3-8, 20=0-5-8, 12=0-5-8
 Max Horz 2=310(LC 10)
 Max Uplift 2=202(LC 12), 20=744(LC 12), 12=570(LC 13)
 Max Grav 2=439(LC 23), 20=2054(LC 1), 12=1253(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=240/307, 3-5=137/542, 6-8=782/495, 8-9=1006/632, 9-11=1339/691,
 11-12=1826/787
 BOT CHORD 2-22=249/259, 20-22=249/259, 19-20=318/375, 18-19=194/527, 17-18=242/923,
 16-17=180/1007, 14-16=506/1497, 12-14=506/1497
 WEBS 3-22=309/310, 3-20=651/711, 5-20=1678/664, 5-19=399/1210, 6-19=1180/585,
 6-18=280/800, 8-18=543/334, 8-17=103/301, 9-16=237/419, 11-16=706/410,
 11-14=0/312

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x6 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 20=744, 12=570.



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 Date:

December 1, 2020

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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCS! Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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6904 Parke East Blvd.
 Tampa, FL 33610

Job 2552276	Truss T25	Truss Type Hip	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027561
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,						8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:53 2020 Page 1
Job Reference (optional)						ID:GdyLp?j6aeQqia9DyVA5iLyG34O-u_E011qOM018N2RAT6Y04hBy9dzJoAbJls7GFcyDzBu

2-0-0	5-11-6	11-0-11	17-0-0	23-5-0	29-10-0	35-9-5	40-10-10	46-10-0
2-0-0	5-11-6	5-1-5	5-11-5	6-5-0	6-5-0	5-11-5	5-1-6	5-11-6

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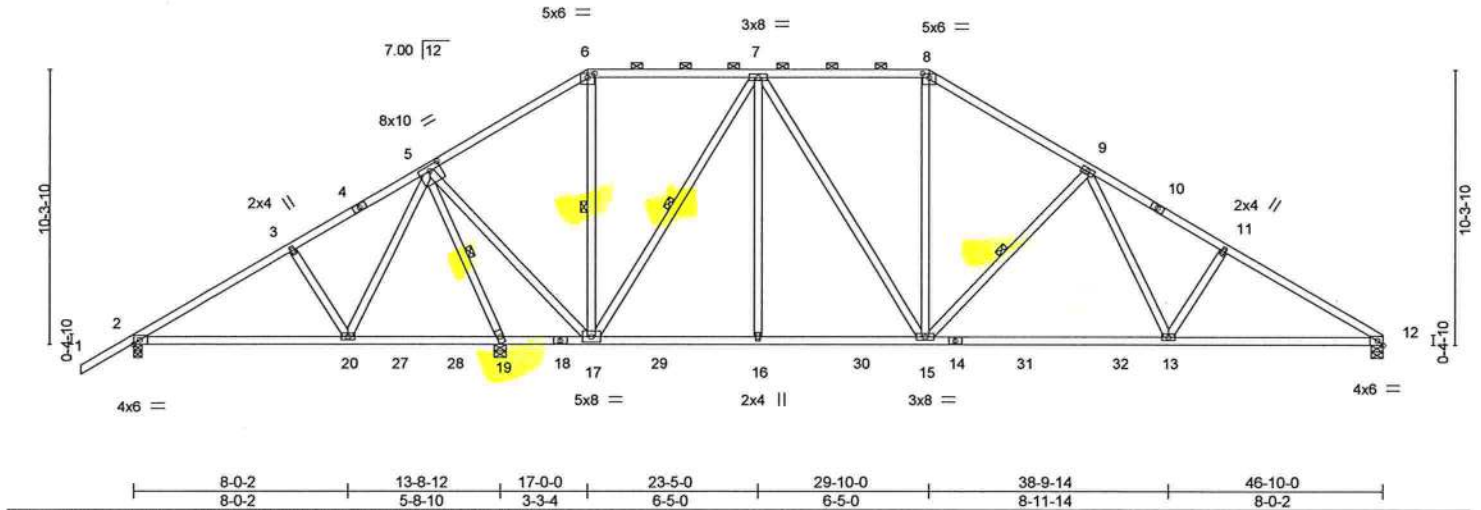


Plate Offsets (X, Y) -		[5:0-5-0,0-2-4], [6:0-3-0,0-1-12], [8:0-3-0,0-1-12]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48	Vert(LL)	0.17 20-23	>987	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.79	Vert(CT)	-0.41 13-15	>956	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.94	Horz(CT)	0.05 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 296 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-9-7 oc purlins, except 2-0-0 oc purlins (5-7-6 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19, 6-17, 7-17, 9-15

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 12=0-5-8
Max Horz 2=334(LC 11)
Max Uplift 2=220(LC 12), 19=716(LC 12), 12=499(LC 13)
Max Grav 2=541(LC 23), 19=1947(LC 2), 12=1188(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=480/403, 3-5=326/419, 5-6=-341/258, 6-7=-325/283, 7-8=-966/618, 8-9=-1186/641, 9-11=-1856/855, 11-12=-1983/838
BOT CHORD 2-20=-382/359, 19-20=-253/270, 17-19=-884/606, 16-17=-226/780, 15-16=-226/780, 13-15=-426/1312, 12-13=-634/1643
WEBS 3-20=-324/271, 5-20=-570/428, 5-19=-2004/1202, 5-17=-617/1577, 7-17=-1068/473, 7-16=0/338, 7-15=-217/472, 8-15=-97/323, 9-15=-662/417, 9-13=-204/566, 11-13=-315/266

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) 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 100 lb uplift at joint(s) except (jt=lb) 2=220, 19=716, 12=499.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839
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Date:

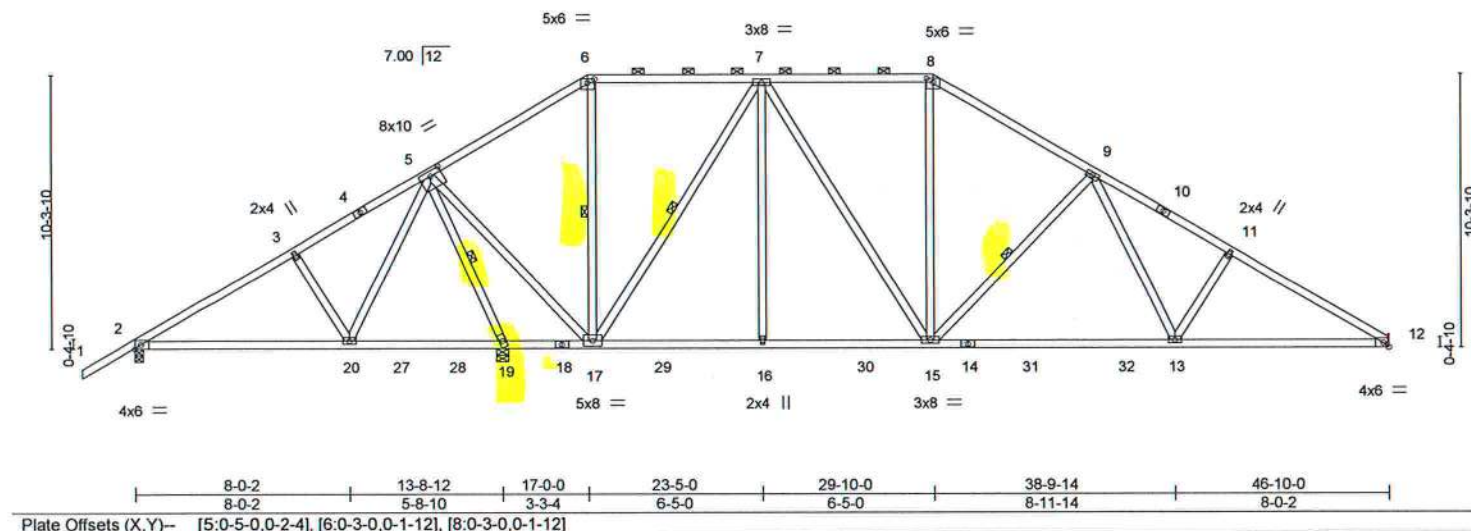
December 1, 2020

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Tampa, FL 33610

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Scale = 1:83.1



LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.48	Vert(LL) 0.17 20-23	>988	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.79	Vert(CT) -0.41 13-15	>957	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.94	Horz(CT) 0.05 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-MS				Weight: 296 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-9-7 oc purlins, except 2-0-0 oc purlins (5-7-6 max.): 6-8.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt. 5-19 6-17 7-17 9-15

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 12=Mechanical
Max Horz 2=334(LC 9)
Max Uplift 2=-220(LC 12), 19=-716(LC 12), 12=-499(LC 13)
Max Grav 2=541(LC 23), 19=1948(LC 2), 12=1188(LC 20)

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

TOP CHORD
2-3=480/403, 3-5=326/419, 5-6=341/258, 6-7=325/283, 7-8=966/618,
8-9=1186/641, 9-11=1856/855, 11-12=1983/838

BOT CHORD
2-20=382/359, 19-20=253/270, 17-19=884/606, 16-17=226/780, 15-16=226/780,
13-15=426/1312, 12-13=634/1642

WEBS
3-20=324/717, 5-20=570/428, 5-19=2004/1202, 5-17=617/1577, 7-17=1068/473,
7-16=0/338, 7-15=217/472, 8-15=97/323, 9-15=662/417, 9-13=204/566,
11-13=315/266

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDF=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCp=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=220, 19=716, 12=499.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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MiTek USA, Inc. FL Cert 6634
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December 1, 2020

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6904 Parke East Blvd
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027563
2552276	T27	Piggyback Base	1	1		

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:56 2020 Page 1

ID:GdyLp7j6aeQqia9DyVA5iLyG34O-IYv8w2sHfxPjEW9l8E6jhKpTBq?x?XXIRqLwrxYDzBr

-2-0-0	5-11-6	11-0-11	16-10-8	23-4-8	23-6-0	29-10-0	35-4-10	40-10-15	46-10-0
2-0-0	5-11-6	5-1-5	5-9-13	6-6-0	0-1-8	6-4-0	5-6-10	5-6-5	5-11-1

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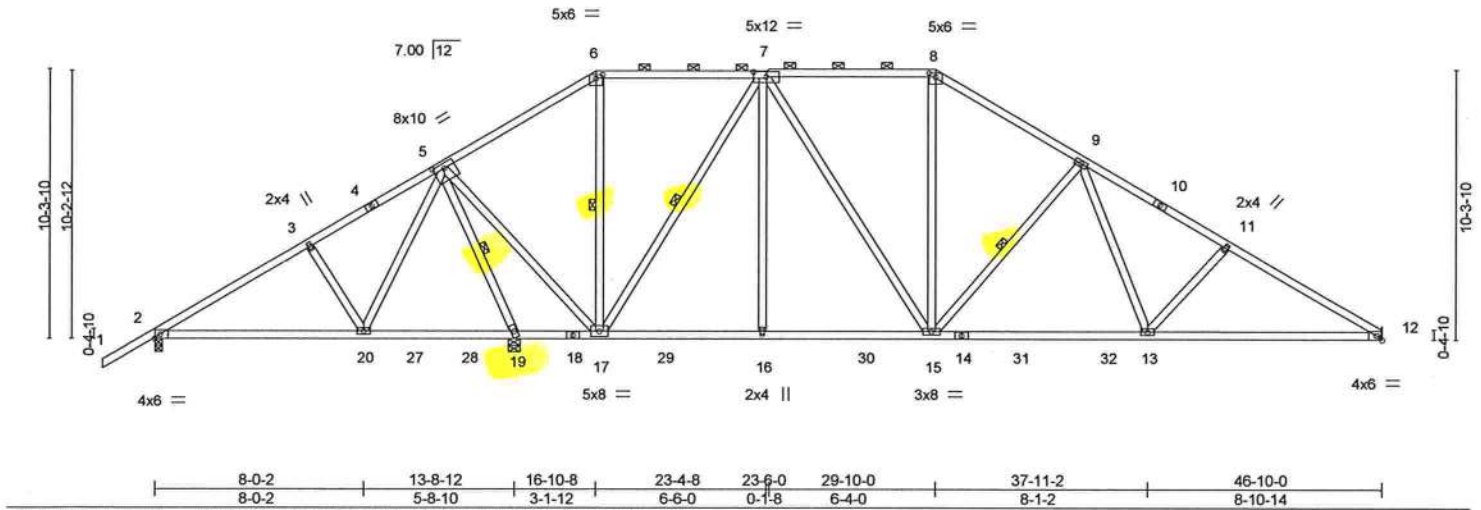


Plate Offsets (X,Y)–		[5:0-5-0,0-2-4], [6:0-3-0,0-1-12], [7:0-6-0,0-2-4], [8:0-3-0,0-1-12]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.17 20-23	>988	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.31 13-15	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.05 12	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-MS						Weight: 296 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-10-0 oc purlins, except
2-0-0 oc purlins (5-7-3 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19, 6-17, 7-17, 9-15

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 12=Mechanical
Max Horz 2=335(LC 11)
Max Uplift 2=215(LC 12), 19=612(LC 12), 12=448(LC 13)
Max Grav 2=542(LC 23), 19=1947(LC 2), 12=1183(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=481/400, 3-5=327/415, 5-6=328/243, 6-7=314/274, 7-8=964/616,
8-9=1177/646, 9-11=1771/816, 11-12=1943/845
BOT CHORD 2-20=382/360, 19-20=252/264, 17-19=879/611, 16-17=228/790, 15-16=228/785,
13-15=406/1291, 12-13=642/1624
WEBS 3-20=326/273, 5-20=571/429, 5-19=2002/1203, 5-17=621/1571, 7-17=1085/478,
7-16=0/354, 7-15=199/458, 8-15=113/341, 9-15=664/417, 9-13=183/530,
11-13=349/287

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=215, 19=612, 12=448.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Walter P. Finn PE No.22839
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

December 1,2020

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.
2552276	T28	Piggyback Base	1	1	T22027564

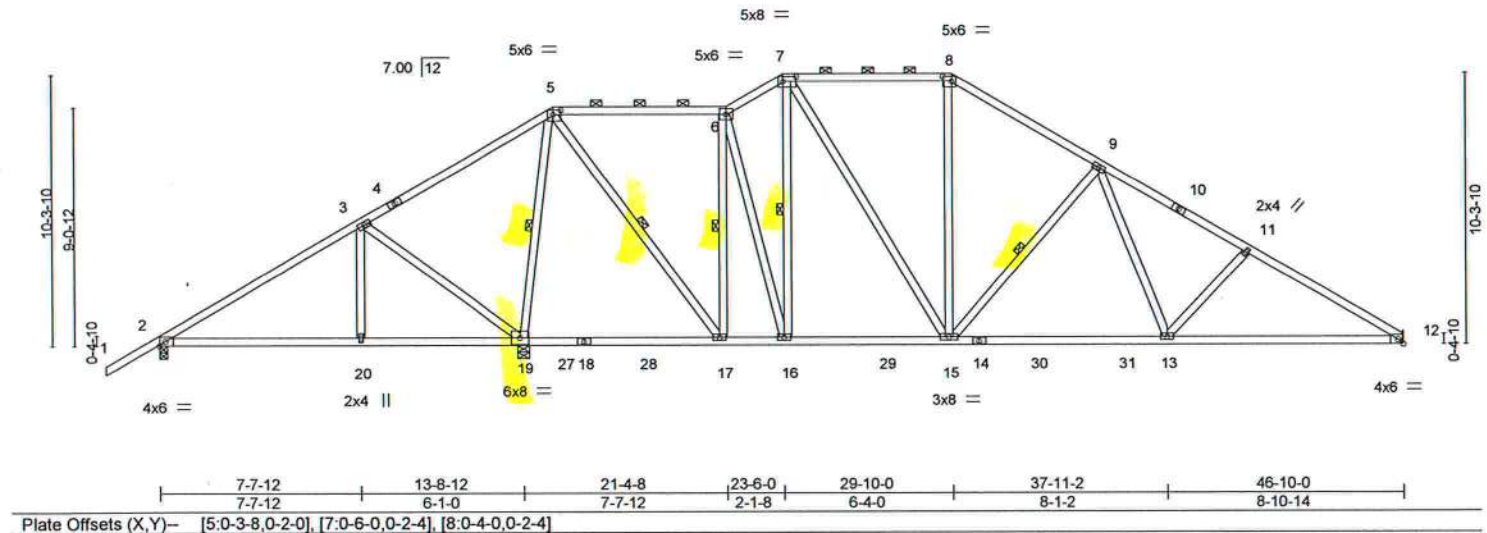
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:28:57 2020 Page 1

ID:GdyLp?6aeQqia9DyVA5iLyG340-mITW7OtvQE XasgkxixdyEXMbOELNk2LugU5UONyDzBq

2-0-0	7-7-12	14-10-8	21-4-8	23-6-0	29-10-0	35-4-10	40-10-15	46-10-0
2-0-0	7-7-12	7-2-12	6-6-0	2-1-8	6-4-0	5-6-10	5-6-5	5-11-1

Scale = 1:83.9



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.66	Vert(LL)	0.17 20-23	>971	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.78	Vert(CT)	-0.29 13-15	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.70	Horz(CT)	0.04 12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 298 lb	FT = 20%

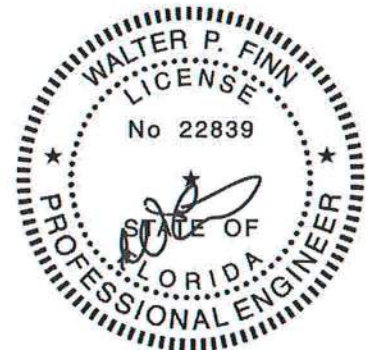
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-1 oc purlins, except 2-0-0 oc purlins (5-1-10 max.): 5-6, 7-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-19, 5-17, 6-17, 7-16, 9-15

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 12=Mechanical
Max Horz 2=334(LC 11)
Max Uplift 2=178(LC 12), 19=775(LC 12), 12=441(LC 13)
Max Grav 2=444(LC 23), 19=2066(LC 1), 12=1155(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-264/284, 3-5=-162/553, 5-6=-572/393, 6-7=-767/523, 7-8=-905/583, 8-9=-1072/605, 9-11=-1717/776, 11-12=-1889/806
BOT CHORD 2-20=-329/221, 19-20=-329/221, 17-19=-368/337, 16-17=-129/600, 15-16=-135/659, 13-15=-371/1209, 12-13=-608/1579
WEBS 3-20=-315/289, 3-19=-645/720, 5-19=-1607/788, 5-17=-556/1264, 6-17=-882/503, 6-16=-79/379, 7-16=-317/84, 7-15=-217/515, 8-15=-86/302, 9-15=-662/416, 9-13=-183/529, 11-13=-350/287

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are 3x6 MT20 unless otherwise indicated.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=178, 19=775, 12=441.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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December 1, 2020

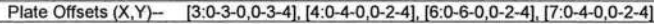
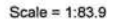
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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T22027565

Job Reference (optional)

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j6aeQqia9DyVA5iLyG340-Ex1vLkXAYfRUUpJ8Ff8BnlvnwehiTU52v7q1wqyDzBp

Weight: 291 lb FT = 20%

Structural wood sheathing directly applied or 4-0-3 oc purlins, except 2-0-0 oc purlins (5-4-12 max.); 4-5, 6-7.
Rigid ceiling directly applied or 6-0-0 oc bracing.
1 Row at midpt 5-18, 6-15, 8-14

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

TOP CHORD 2-3=129/322, 3-4=272/707, 4-5=194/621, 5-6=679/429, 6-7=851/537, 7-8=992/553,
8-10=1643/724, 10-11=1815/754

BOT CHORD 2-19=404/266, 18-19=404/265, 16-18=91/357, 15-16=91/354, 14-15=117/581,
12-14=325/1132, 11-12=564/1515

WEBS 3-19=304/299, 3-18=604/675, 4-18=645/366, 5-18=1482/670, 5-15=202/567,
6-15=392/194, 6-14=234/554, 7-14=74/264, 8-14=663/416, 8-12=183/531,
10-12=351/287

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=160, 18=817, 11=428.
- 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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



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T22027567

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Technical drawing of a roof truss structure. The drawing includes dimensions and material specifications for various components.

Dimensions:

- Overall height: 10-3-10
- Height from base to peak: 5-6-12
- Height from base to eave: 0-4-10
- Height from base to ridge: 12-1-10
- Horizontal dimensions (from left to right):
 - 8-10-8
 - 8-10-8
 - 13-8-12
 - 4-10-4
 - 19-5-4
 - 5-8-8
 - 23-6-0
 - 4-0-12
 - 29-10-0
 - 6-4-0
 - 37-11-2
 - 8-1-2
 - 46-10-0
 - 8-10-14

Material Specifications:

- 5x6 =
- 5x8 =
- 2x4 =
- 4x6 =
- 6x8 =
- 3x8 =
- 2x4 //

Labels:

- 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 27, 28, 29, 30

BRACING- TOP CHORD	Structural wood sheathing directly applied or 3-11-2 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5, 7-8.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 7-16, 8-16, 9-15

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Provide adequate drainage to prevent water ponding.
- 4) 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) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=192, 19=775, 12=433.
- 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027568
2552276	T32	Piggyback Base Girder	1	1	Job Reference (optional)	

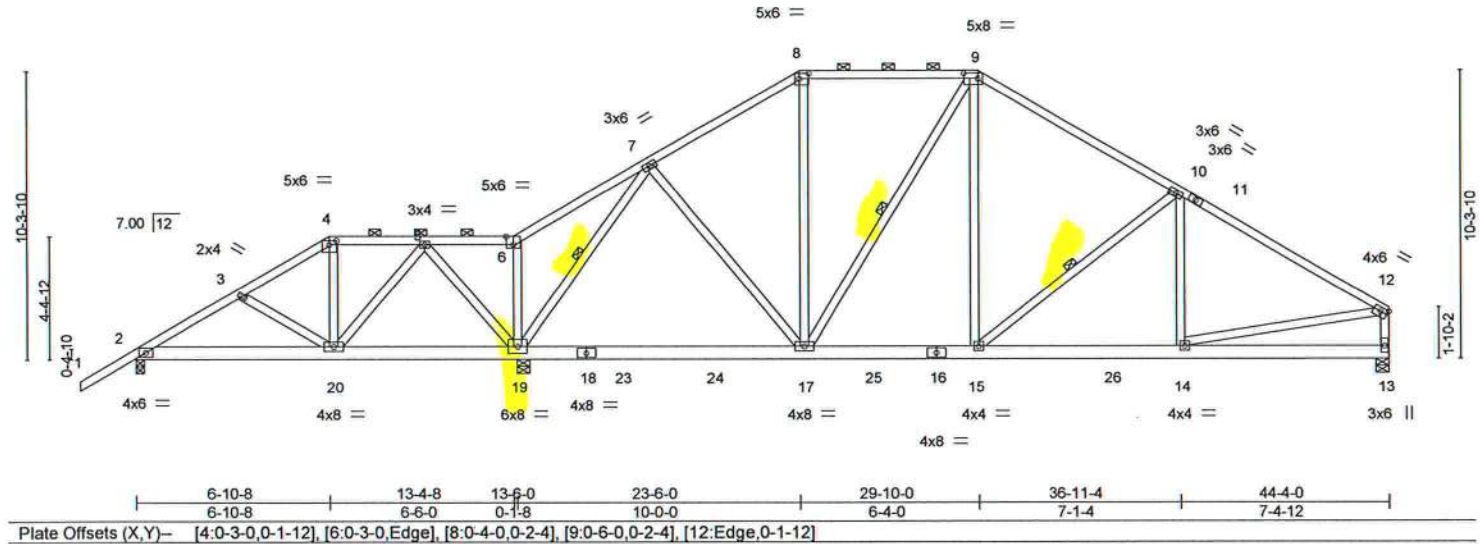
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:29:03 2020 Page 1

ID:GdyLp?j6aeQqia9DyVA5iLyG34O-bvqoORxg?4HkabC52CkMUocczfUW8ppn2PYob1yDzBk

-2-0-0	3-9-8	6-10-8	10-3-4	13-4-8	18-3-2	23-6-0	29-10-0	36-11-4	44-4-0
2-0-0	3-9-8	3-1-0	3-4-12	3-1-5	4-10-10	5-2-14	6-4-0	7-1-4	7-4-12

Scale = 1:78.8



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.65	Vert(LL)	-0.08 17-19	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.41	Vert(CT)	-0.15 17-19	>999	180		
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.51	Horz(CT)	0.03 13	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS					Weight: 314 lb	FT = 20%

LUMBER-				BRACING-	
TOP CHORD	2x4 SP No.2			TOP CHORD	Structural wood sheathing directly applied or 4-1-7 oc purlins, except end verticals, and 2-0-0 oc purlins (5-9-13 max.): 4-6, 8-9.
BOT CHORD	2x6 SP No.2			BOT CHORD	Rigid ceiling directly applied or 9-4-3 oc bracing.
WEBS	2x4 SP No.3			WEBS	1 Row at midpt 7-19, 9-17, 10-15

REACTIONS. (size) 2=0-3-8, 19=0-5-8, 13=0-5-8
Max Horz 2=329(LC 5)
Max Uplift 2=338(LC 8), 19=843(LC 8), 13=400(LC 28)
Max Grav 2=639(LC 19), 19=1878(LC 1), 13=1111(LC 16)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-737/411, 3-4=-578/429, 4-5=-460/371, 5-6=-212/263, 6-7=-202/375, 7-8=-910/399,
8-9=-735/375, 9-10=-1066/451, 10-12=-1372/488, 12-13=1043/413
BOT CHORD 2-20=-614/616, 19-20=-284/245, 17-19=-210/651, 15-17=-123/849, 14-15=-318/1102
WEBS 5-20=-390/438, 5-19=-671/517, 7-19=-1352/519, 7-17=-151/387, 8-17=-99/287,
9-17=-299/189, 9-15=-182/486, 10-15=-479/340, 12-14=-246/1027

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=338, 19=843, 13=400.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 266 lb down and 285 lb up at 6-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 6-8=-54, 8-9=-54, 9-12=-54, 2-13=-20
Concentrated Loads (lb)
Vert: 20=-220(F)



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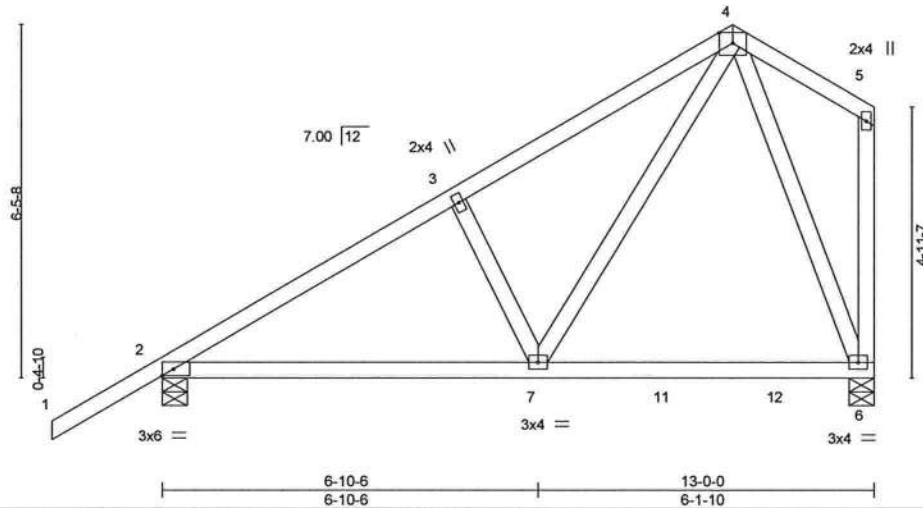


6904 Parke East Blvd.
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Job 2552276	Truss T33	Truss Type Common	Qty 1	Ply 1	EDGLEY CONST. - SEALS RES.	T22027569
Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,						8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:29:03 2020 Page 1
Job Reference (optional)						ID:GdyLp?j6aeQqia9DyVA5iLyG340-bvqoORxg?4HkabC52CkMUociVfUc8rKn2PYob1yDzBk



Scale = 1:40.5



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.30	Vert(LL)	-0.05 6-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.41	Vert(CT)	-0.09 7-10	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.35	Horz(CT)	0.01 6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								Weight: 76 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD 2x4 SP No.2		TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2		BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3			

REACTIONS. (size) 2=0-5-8, 6=0-5-8
 Max Horz 2=305(LC 12)
 Max Uplift 2=234(LC 12), 6=222(LC 12)
 Max Grav 2=592(LC 1), 6=511(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=622/206, 3-4=544/251
 BOT CHORD 2-7=324/595
 WEBS 3-7=354/273, 4-7=241/563, 4-6=433/238

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=234, 6=222.



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December 1, 2020

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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



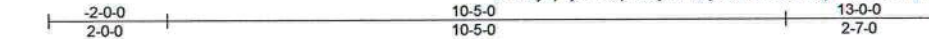
6904 Parke East Blvd.
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027570
2552276	T33G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:29:04 2020 Page 1

ID: GdYLP?j6aeQqia9DyVA5iLyG340-350AbnylmOQbCkmlcwFb009tY3wdtN_wH3HL7TyDzBj



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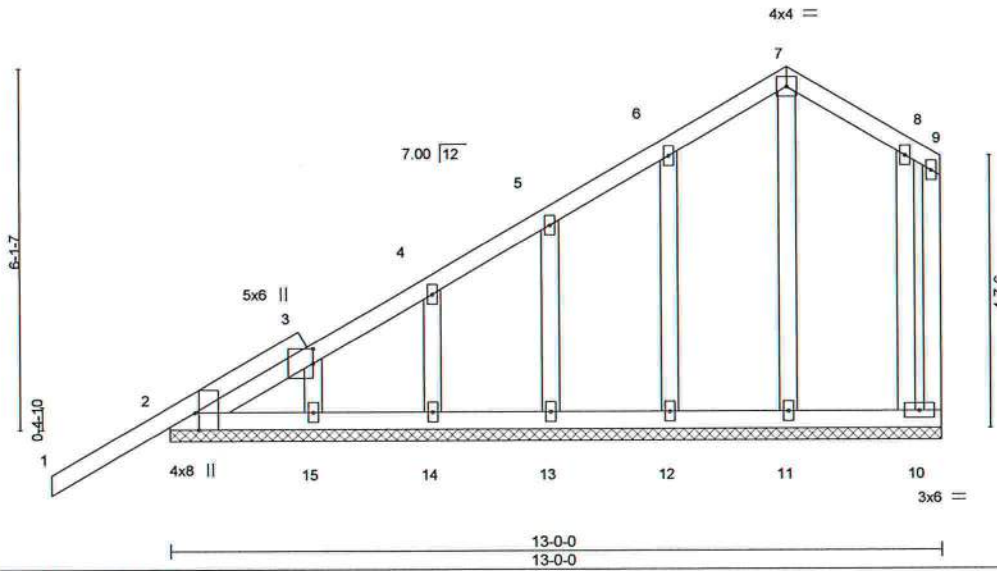


Plate Offsets (X,Y)-- [2-0-3-8,Edge], [3-0-3-0,0-0-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.28	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.04	Vert(CT)	-0.01	1	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 85 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 2=289(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 11, 13, 14, 15 except 12=109(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 11, 12, 13, 14, 15

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

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 11, 13, 14, 15 except (jt=lb) 12=109.



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Date:

December 1,2020

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6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	EDGLEY CONST. - SEALS RES.	T22027571
2552276	T34	Common Girder	1	1	Job Reference (optional)	

Builders FirstSource (Jacksonville, FL), Jacksonville, FL - 32244,

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Nov 30 14:29:05 2020 Page 1

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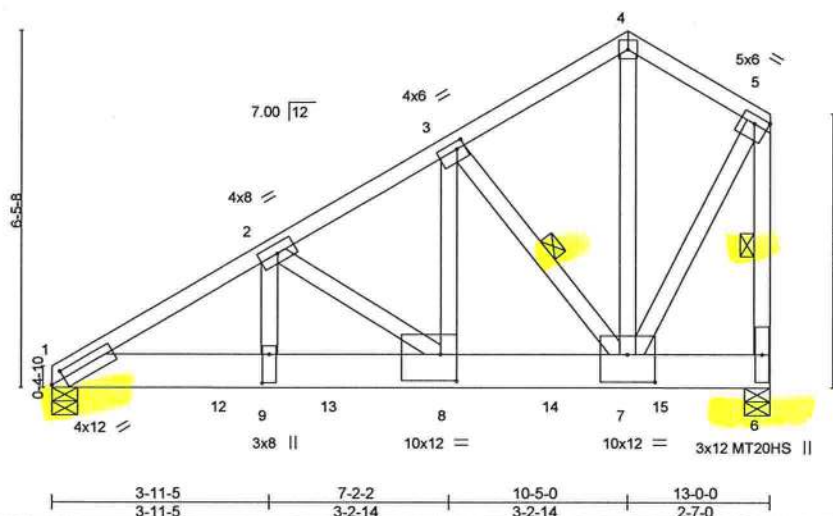


Plate Offsets (X,Y)- [1:0-2-15,0-1-12], [3:0-1-12,0-1-8], [5:Edge,0-1-12], [7:0-6-0,0-6-0], [8:0-3-8,0-5-12], [9:0-6-4,0-1-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.73	Vert(LL)	0.11	8-9	>999	240	MT20 244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.52	Vert(CT)	-0.18	8-9	>875	180	MT20HS 187/143
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.80	Horz(CT)	0.03	6	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS						
								</	

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
3-8,5-7: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-8 oc bracing.
WEBS 1 Row at midpt 3-7, 5-6

REACTIONS. (size) 1=0-5-8, 6=0-5-8
Max Horz 1=256(LC 27)
Max Uplift 1=-1628(LC 8), 6=-1478(LC 8)
Max Grav 1=4015(LC 1), 6=3565(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5722/2276, 2-3=-3648/1450, 3-4=-1597/653, 4-5=-1581/674, 5-6=-3329/1397
BOT CHORD 1-9=-2155/4927, 8-9=-2155/4927, 7-8=-1347/3116
WEBS 2-9=-835/2107, 2-8=-2194/978, 3-8=-1257/3102, 3-7=-2867/1269, 4-7=-575/1439, 5-7=-1180/2820

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1628, 6=1478.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1144 lb down and 519 lb up at 1-0-12, 1145 lb down and 468 lb up at 3-0-12, 1106 lb down and 461 lb up at 5-0-12, 1060 lb down and 448 lb up at 7-0-12, and 1071 lb down and 451 lb up at 9-0-12, and 1103 lb down and 453 lb up at 11-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 1-6=-20
Concentrated Loads (lb)
Vert: 8=-1060(F) 11=-1144(F) 12=-1145(F) 13=-1106(F) 14=-1071(F) 15=-1103(F)



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December 1,2020

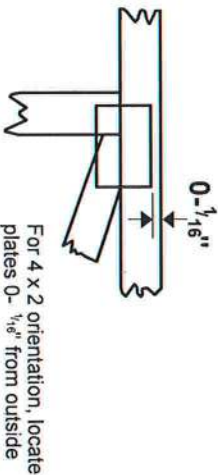
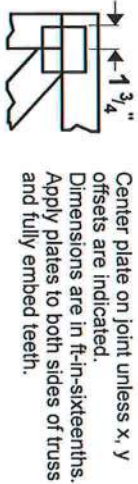
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Symbols

PLATE LOCATION AND ORIENTATION



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

PLATE SIZE

4 X 4

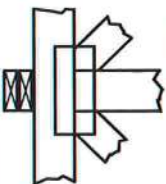
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

Industry Standards:

ANSI/TP1: National Design Specification for Metal

Plate Connected Wood Truss Construction.

DSB-89: Design Standard for Bracing.

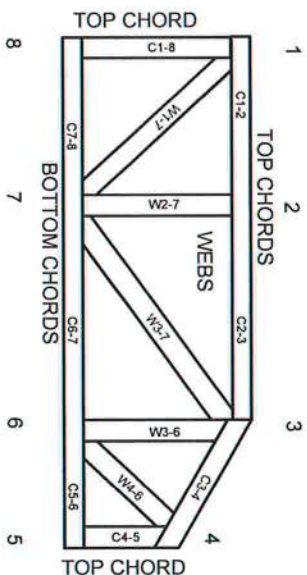
Building Component Safety Information,

Guide to Good Practice for Handling,

Installing & Bracing of Metal Plate

Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ESR1988

ER-3907, ESR-2362, ESR-1397, ESR-3282

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

Lumber design values are in accordance with ANSI/TP1 1 section 6.3 These truss designs rely on lumber values established by others.

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



General Safety Notes

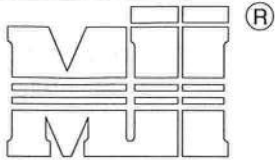
Failure to Follow Could Cause Property Damage or Personal Injury

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

AUGUST 1, 2016

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

MII-T-BRACE 2



MiTek USA, Inc. Page 1 of 1

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ENGINEERED BY
TRENCO
A MiTek Affiliate

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

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

Nailing Pattern

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

Brace Size for One-Ply Truss

Specified Continuous Rows of Lateral Bracing

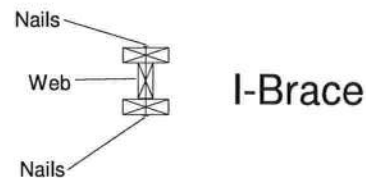
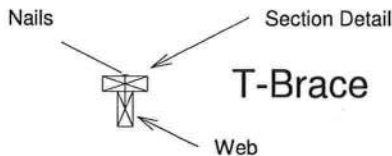
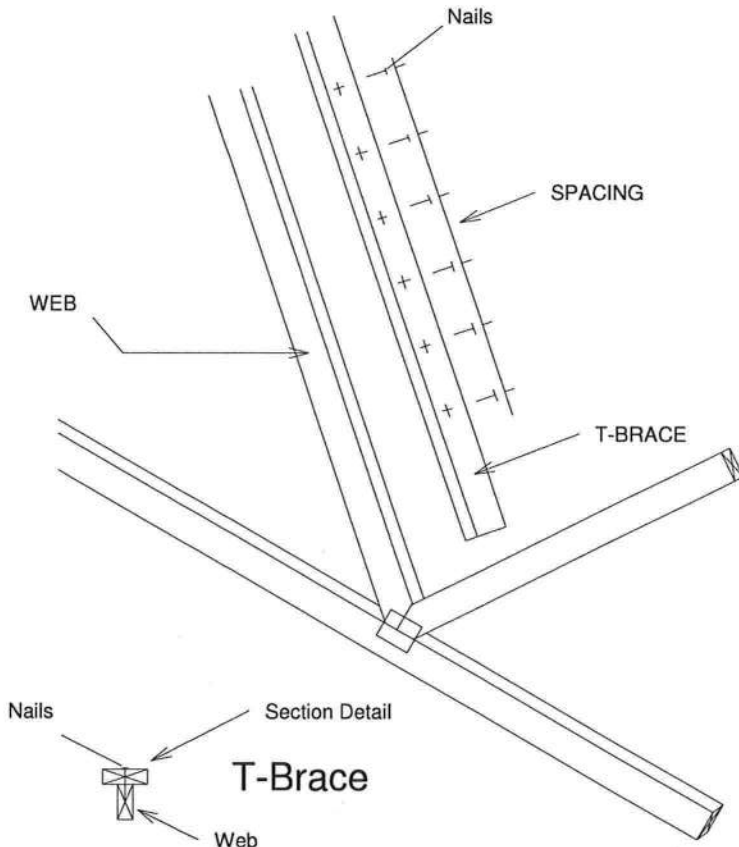
Web Size	1	2
2x3 or 2x4	2x4 T-Brace	2x4 I-Brace
2x6	2x6 T-Brace	2x6 I-Brace
2x8	2x8 T-Brace	2x8 I-Brace

Brace Size for Two-Ply Truss

Specified Continuous Rows of Lateral Bracing

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

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



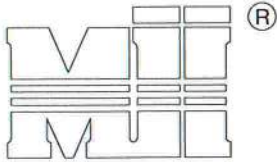
Thomas A. Albani PE No.39380
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

February 12, 2018

AUGUST 1, 2016

SCAB-BRACE DETAIL

MII-SCAB-BRACE



MiTek USA, Inc.

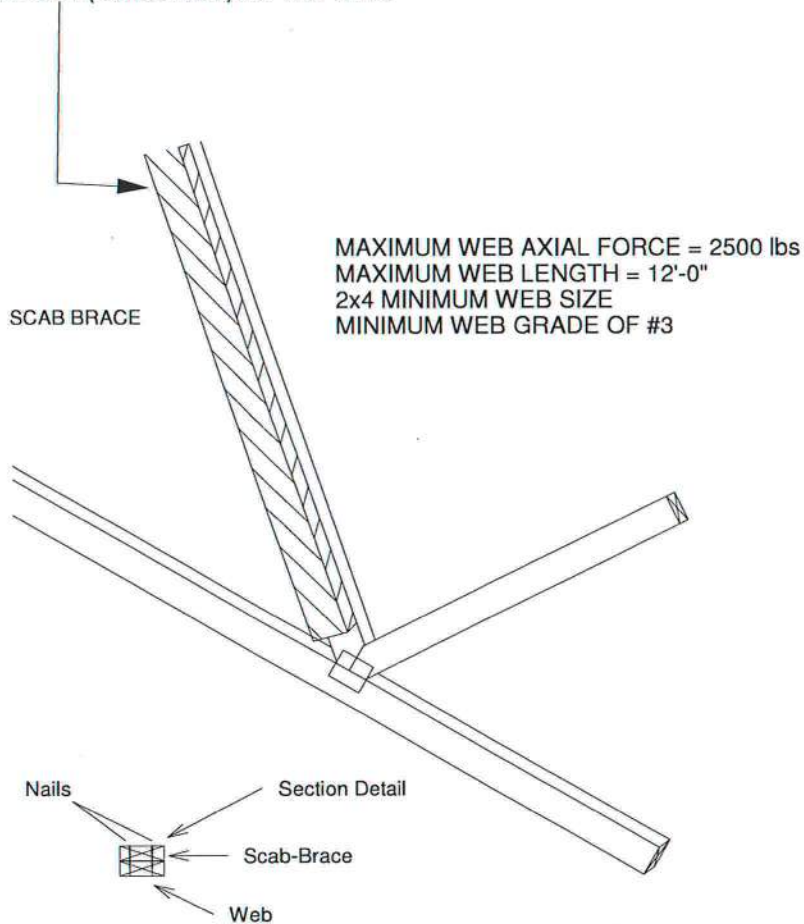
Page 1 of 1

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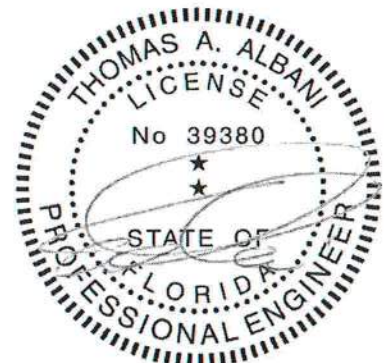
Note: Scab-Bracing to be used when continuous lateral bracing at midpoint (or T-Brace) is impractical.
Scab must cover full length of web +/- 6".

*** THIS DETAIL IS NOT APPLICABLE 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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Date:

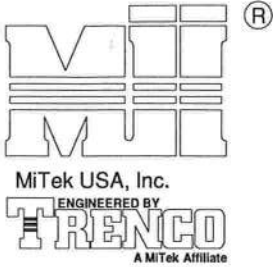
February 12, 2018

AUGUST 1, 2016

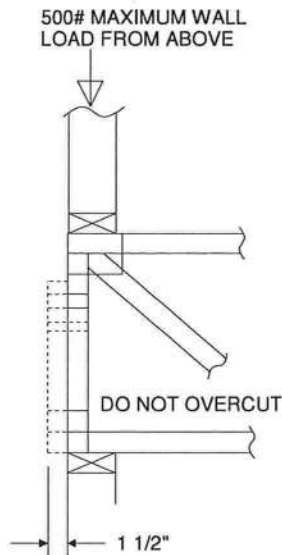
STANDARD REPAIR TO REMOVE END VERTICAL (RIBBON NOTCH VERTICAL)

MII-REP05

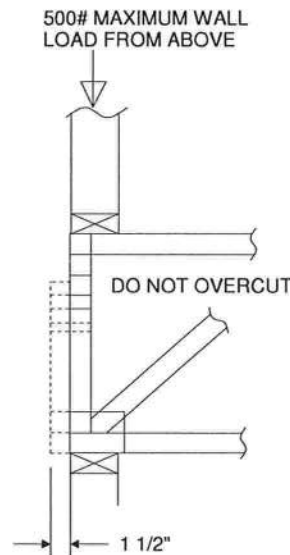
MiTek USA, Inc. Page 1 of 1



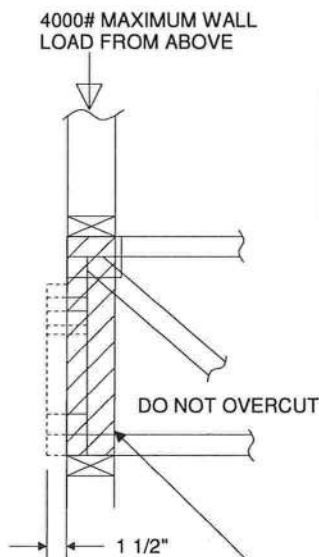
1. THIS IS A SPECIFIC REPAIR DETAIL TO BE USED ONLY FOR ITS ORIGINAL INTENTION. THIS REPAIR DOES NOT IMPLY THAT THE REMAINING PORTION OF THE TRUSS IS UNDAMAGED. THE ENTIRE TRUSS SHALL BE INSPECTED TO VERIFY THAT NO FURTHER REPAIRS ARE REQUIRED. WHEN THE REQUIRED REPAIRS ARE PROPERLY APPLIED, THE TRUSS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



REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES



TRUSSES BUILT WITH 4x2 MEMBERS



REFER TO INDIVIDUAL TRUSS DESIGN FOR PLATE SIZES AND LUMBER GRADES



TRUSSES BUILT WITH 4x2 MEMBERS

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



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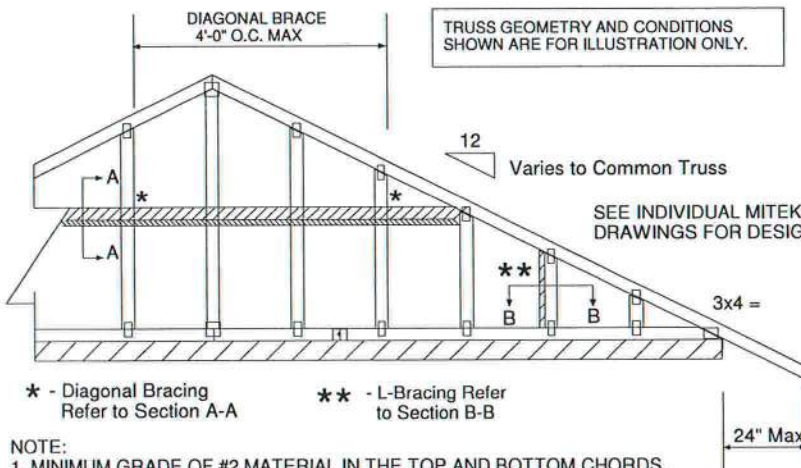
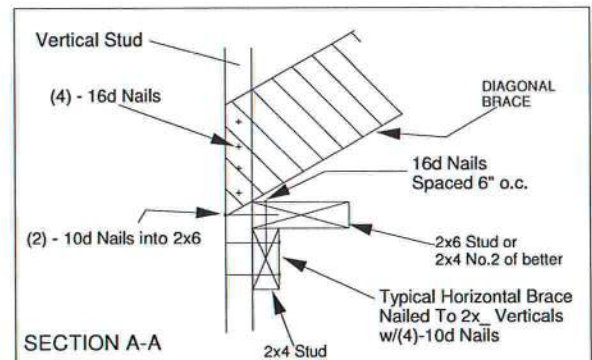
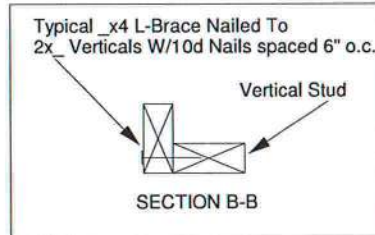
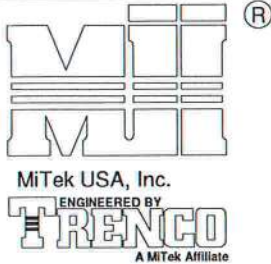
February 12, 2018

AUGUST 1, 2016

Standard Gable End Detail

MII-GE130-D-SP

MiTek USA, Inc. Page 1 of 2



NOTE:

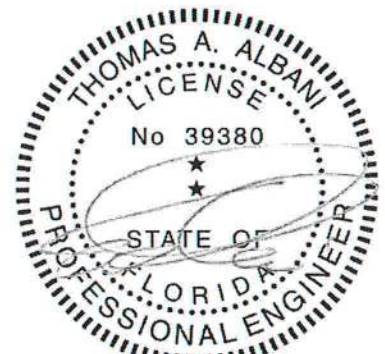
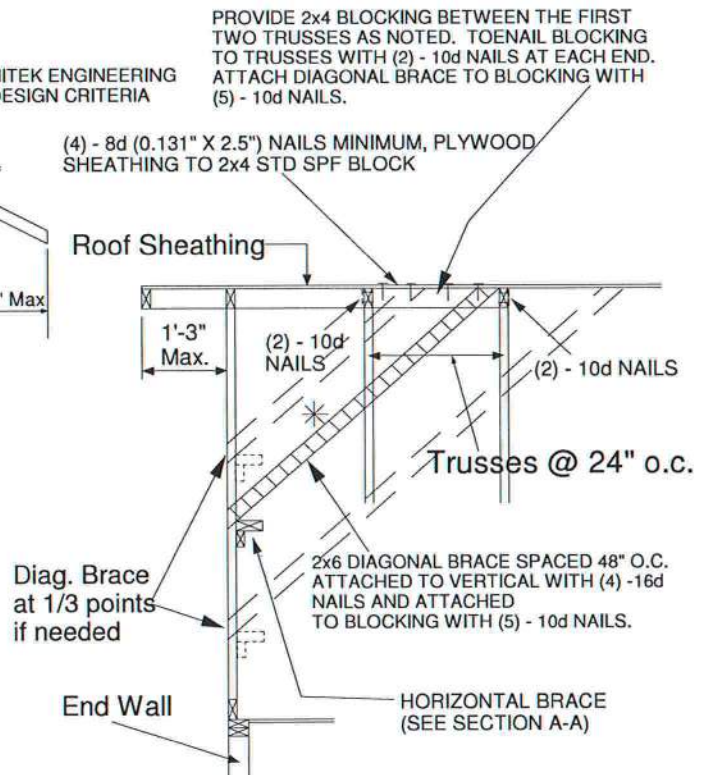
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF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

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	1x4 L-Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
			Maximum Stud Length			
2x4 SP No. 3 / Stud	12" O.C.	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.



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Date:

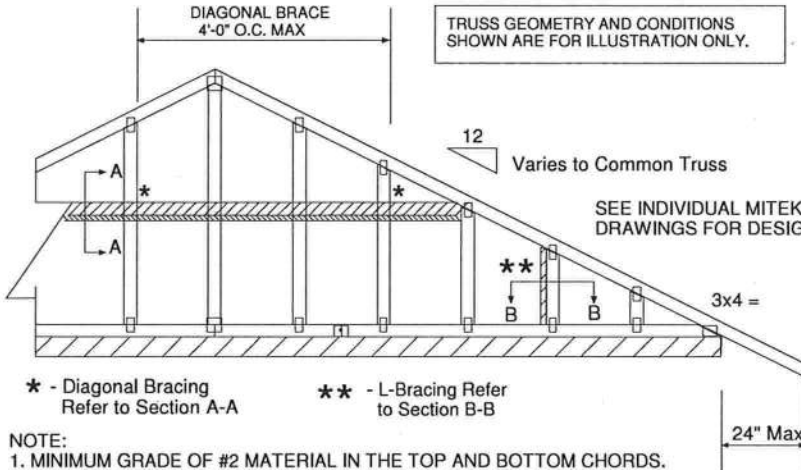
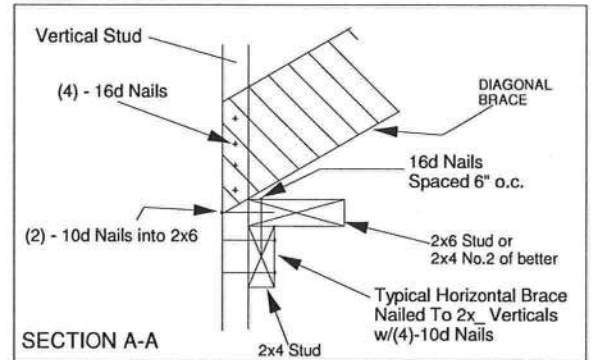
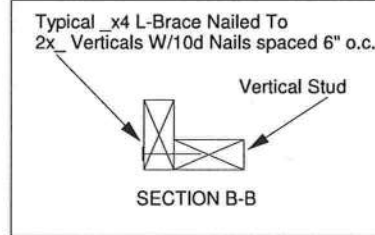
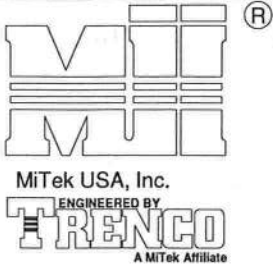
February 12, 2018

AUGUST 1, 2016

Standard Gable End Detail

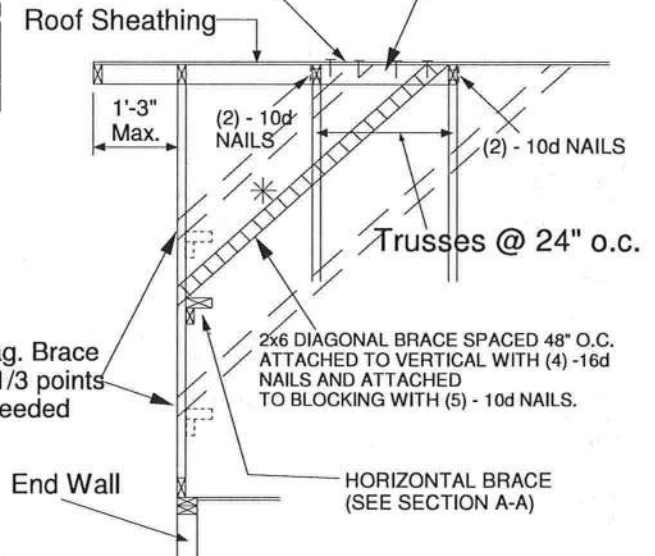
MII-GE130-SP

MiTek USA, Inc. Page 1 of 2



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



NOTE:

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

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

- * Diagonal braces over 6'-3" require a 2x4 T-Brace attached to one edge. Diagonal braces over 12'-6" require 2x4 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.



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February 12, 2018

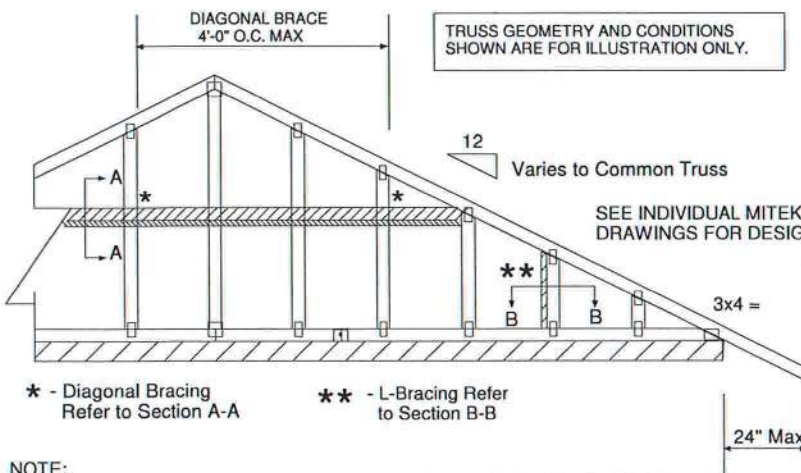
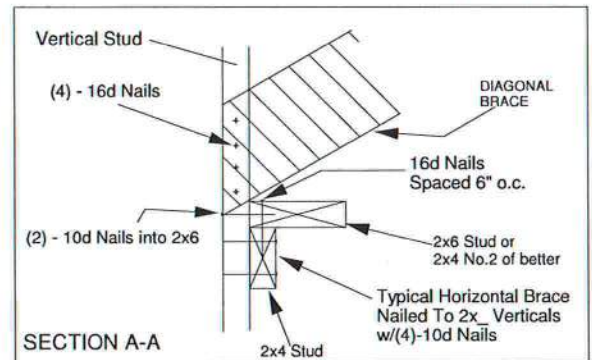
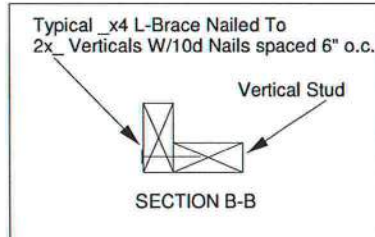
JANUARY 6, 2017

Standard Gable End Detail

MII-GE140-001

MiTek USA, Inc.

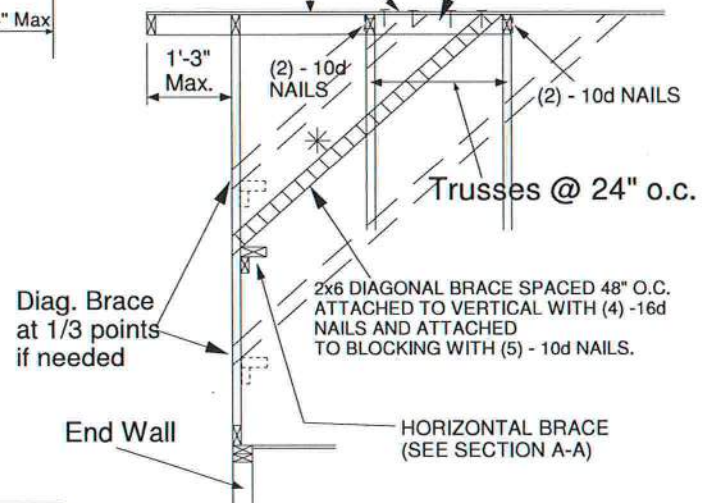
Page 1 of 2



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

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

Roof Sheathing



NOTE:

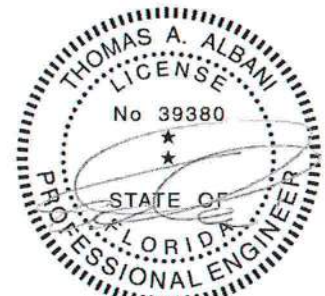
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF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

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

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

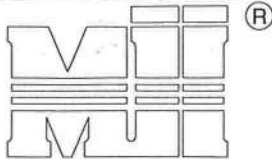
MAXIMUM WIND SPEED = 140 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

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



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Date:

January 19, 2018



MiTek USA, Inc.
ENGINEERED BY
TRENCO
A MiTek Affiliate

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

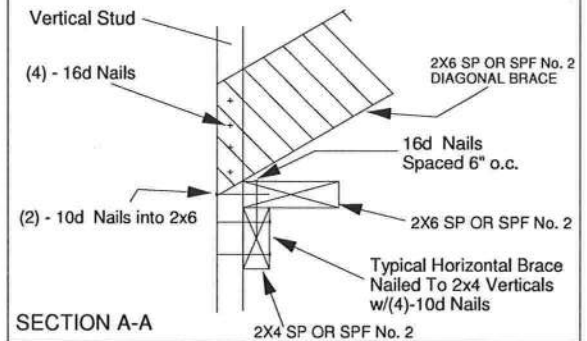
Vertical Stud

SECTION B-B

TRUSS GEOMETRY AND CONDITIONS
SHOWN ARE FOR ILLUSTRATION ONLY.

Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING
DRAWINGS FOR DESIGN CRITERIA



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

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

Roof Sheathing

Diag. Brace
at 1/3 points
if needed

End Wall

Trusses @ 24" o.c.

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

HORIZONTAL BRACE
(SEE SECTION A-A)

* - Diagonal Bracing
Refer to Section A-A

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

NOTE:

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

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



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Date:

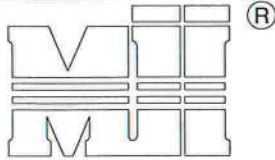
February 12, 2018

AUGUST 1, 2016

Standard Gable End Detail

MII-GE180-D-SP

MiTek USA, Inc. Page 1 of 2



MiTek USA, Inc.
ENGINEERED BY
TRENCO

A MiTek Affiliate
DIAGONAL BRACE
4'-0" O.C. MAX

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

Vertical Stud

SECTION B-B

TRUSS GEOMETRY AND CONDITIONS
SHOWN ARE FOR ILLUSTRATION ONLY.

12
Varies to Common Truss

SEE INDIVIDUAL MITEK ENGINEERING
DRAWINGS FOR DESIGN CRITERIA

3x4 =

24" Max

* - Diagonal Bracing
Refer to Section A-A

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

NOTE:

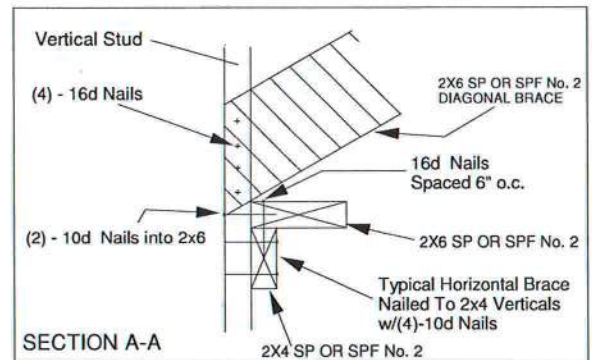
1. MINIMUM GRADE OF #2 MATERIAL IN THE TOP AND BOTTOM CHORDS.
2. CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL TO BE PROVIDED BY PROJECT ENGINEER OR ARCHITECT.
3. BRACING SHOWN IS FOR INDIVIDUAL TRUSS ONLY. CONSULT BLDG. ARCHITECT OR ENGINEER FOR TEMPORARY AND PERMANENT BRACING OF ROOF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

Minimum Stud Size Species and Grade	Stud Spacing	Without Brace	2x4 L-Brace	DIAGONAL BRACE	2 DIAGONAL BRACES AT 1/3 POINTS
2x4 SP No. 3 / Stud	12" O.C.	3-7-12	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.



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

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

Roof Sheathing

1'-0" Max.

(2) - 10d NAILS

(2) - 10d NAILS

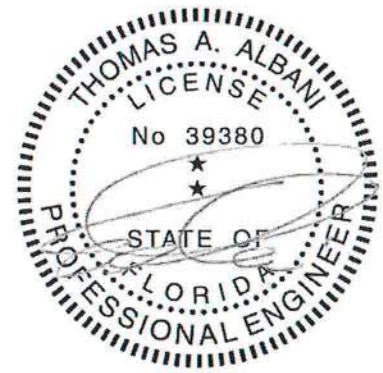
Trusses @ 24" o.c.

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.

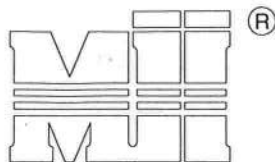
End Wall

HORIZONTAL BRACE
(SEE SECTION A-A)



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Date:

February 12, 2018



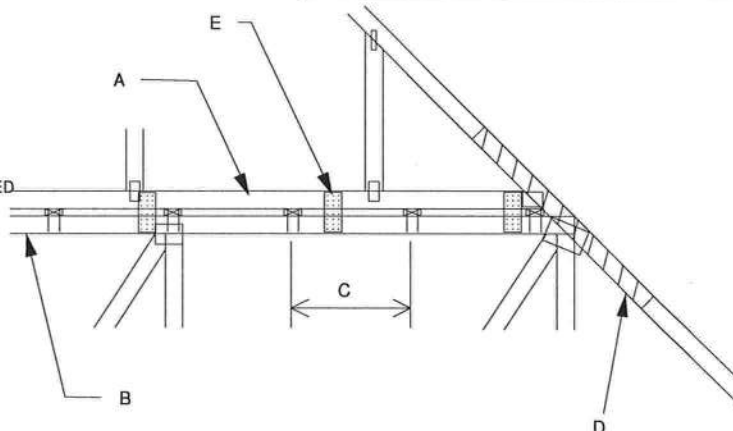
MiTek USA, Inc.

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

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

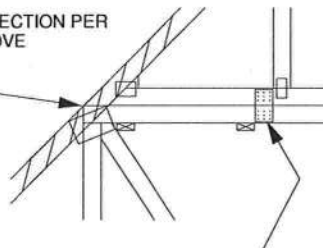
- A - PIGGYBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING. SHALL BE CONNECTED TO EACH PURLIN WITH (2) (0.131" X 3.5") TOE-NAILED.
- B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C. UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING.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



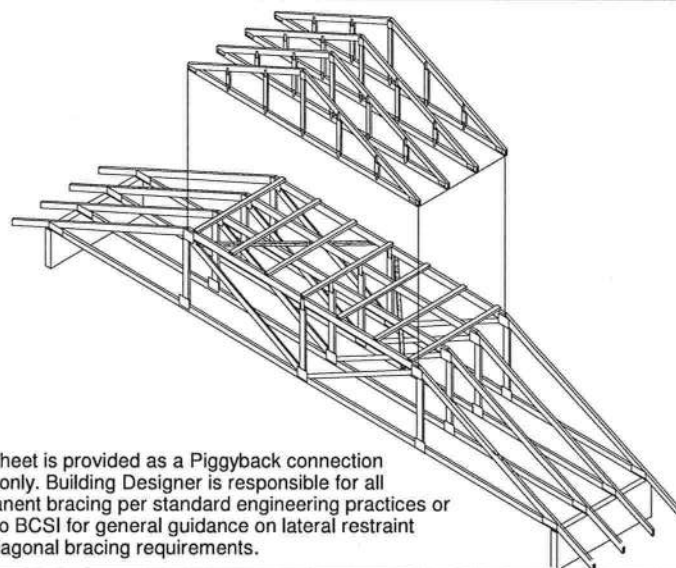
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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

SCAB CONNECTION PER
NOTE D ABOVE

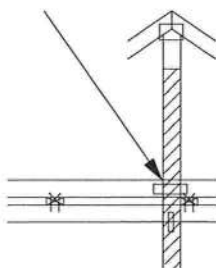


FOR ALL WIND SPEEDS, ATTACH MITEK 3X6 20 GA Nail-On PLATES TO EACH FACE OF TRUSSES AT 48" O.C. W/ (4) (0.131" X 1.5") PER MEMBER. STAGGER NAILS FROM OPPOSING FACES ENSURE 0.5" EDGE DISTANCE.



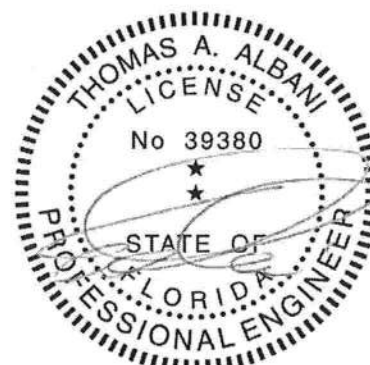
This sheet is provided as a Piggyback connection detail only. Building Designer is responsible for all permanent bracing per standard engineering practices or refer to BCSI for general guidance on lateral restraint and diagonal bracing requirements.

VERTICAL WEB TO
EXTEND THROUGH
BOTTOM CHORD
OF PIGGYBACK



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

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



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 6904 Parke East Blvd. Tampa FL 33610
 Date:

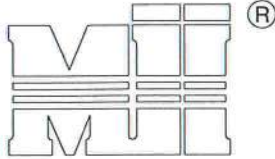
February 12, 2018

AUGUST 1, 2016

STANDARD PIGGYBACK TRUSS CONNECTION DETAIL

MII-PIGGY-ALT
7-10

MiTek USA, Inc. Page 1 of 1



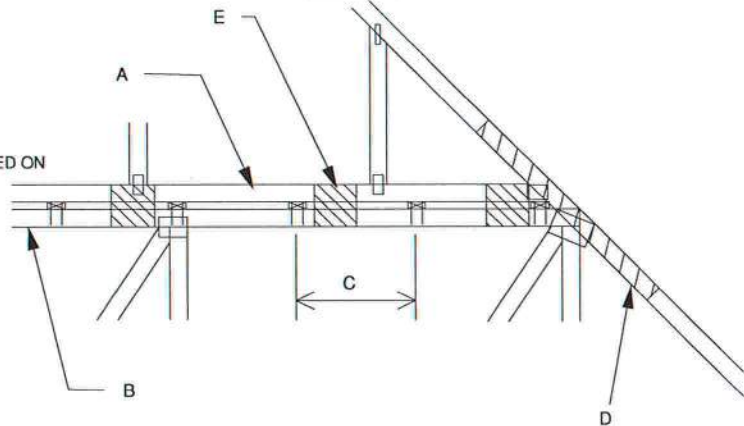
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MAXIMUM WIND SPEED = REFER TO NOTES D AND OR E
MAX MEAN ROOF HEIGHT = 30 FEET
MAX TRUSS SPACING = 24" O.C.
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-10
DURATION OF LOAD INCREASE : 1.60

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

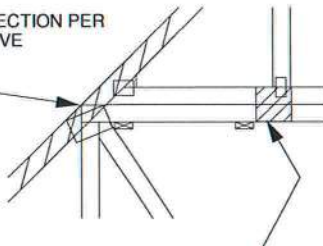
- A - PIGGYBACK TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
SHALL BE CONNECTED TO EACH PURLIN
WITH (2) (0.131" X 3.5") TOE-NAILED.
- B - BASE TRUSS, REFER TO MITEK TRUSS DESIGN DRAWING.
- C - PURLINS AT EACH BASE TRUSS JOINT AND A MAXIMUM 24" O.C.
UNLESS SPECIFIED CLOSER ON MITEK TRUSS DESIGN DRAWING.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



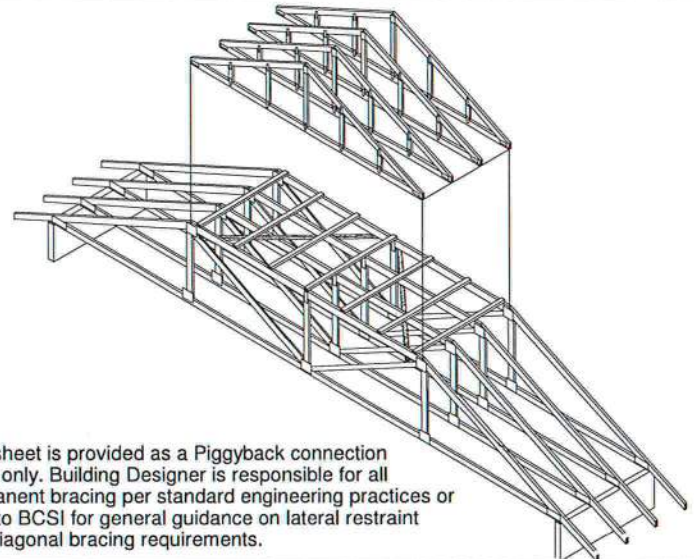
WHEN NO GAP BETWEEN PIGGYBACK AND BASE TRUSS EXISTS:

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

SCAB CONNECTION PER
NOTE D ABOVE

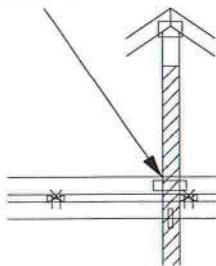


7" x 7" x 1/2" PLYWOOD (or 7/16" OSB) GUSSET EACH SIDE AT 24" O.C.
ATTACH WITH 3 - 6d (0.113" X 2") NAILS INTO EACH CHORD
FROM EACH SIDE (TOTAL - 12 NAILS)



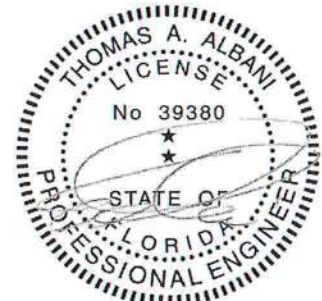
This sheet is provided as a Piggyback connection
detail only. Building Designer is responsible for all
permanent bracing per standard engineering practices or
refer to BCSI for general guidance on lateral restraint
and diagonal bracing requirements.

VERTICAL WEB TO
EXTEND THROUGH
BOTTOM CHORD
OF PIGGYBACK



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

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



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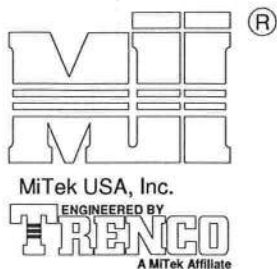
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STANDARD REPAIR DETAIL FOR BROKEN CHORDS, WEBS
AND DAMAGED OR MISSING CHORD SPLICE PLATES

MII-REP01A1

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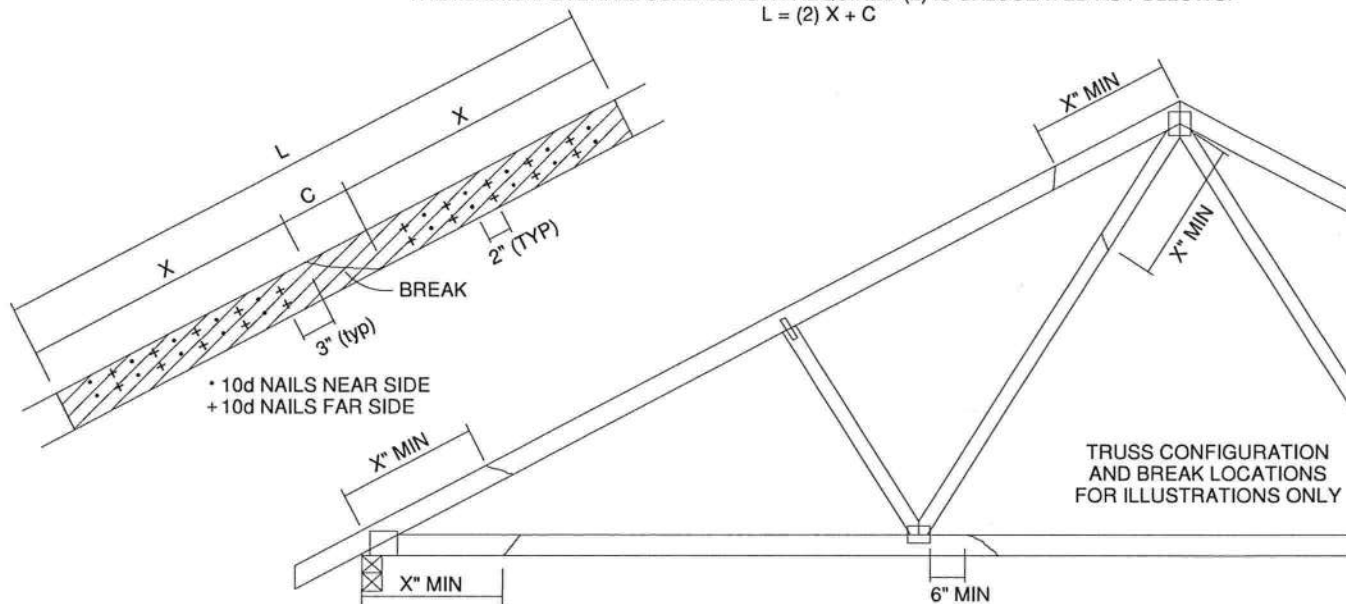
TOTAL NUMBER OF NAILS EACH SIDE OF BREAK *		X INCHES	MAXIMUM FORCE (lbs) 15% LOAD DURATION							
			SP		DF		SPF		HF	
2x4	2x6		2x4	2x6	2x4	2x6	2x4	2x6	2x4	2x6
20	30	24"	1706	2559	1561	2342	1320	1980	1352	2028
26	39	30"	2194	3291	2007	3011	1697	2546	1738	2608
32	48	36"	2681	4022	2454	3681	2074	3111	2125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

* DIVIDE EQUALLY FRONT AND BACK

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

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

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

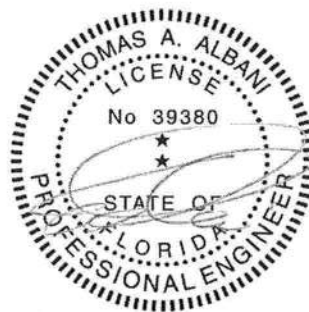


THE LOCATION OF THE BREAK MUST BE GREATER THAN OR EQUAL TO THE REQUIRED X DIMENSION FROM ANY PERIMETER BREAK OR HEEL JOINT AND A MINIMUM OF 6" FROM ANY INTERIOR JOINT (SEE SKETCH ABOVE)

DO NOT USE REPAIR FOR JOINT SPLICES

NOTES:

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



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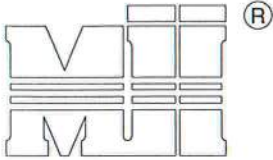
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LATERAL TOE-NAIL DETAIL

MII-TOENAIL_SP

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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.)
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE TWO SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

THIS DETAIL APPLICABLE TO THE
THREE END DETAILS SHOWN BELOW

VIEWS SHOWN ARE FOR
ILLUSTRATION PURPOSES ONLY

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

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

EXAMPLE:

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

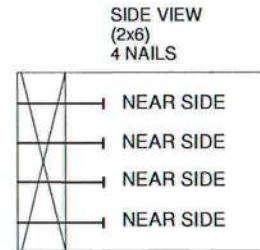
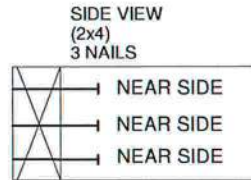
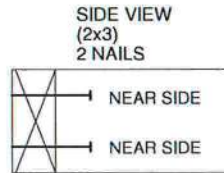
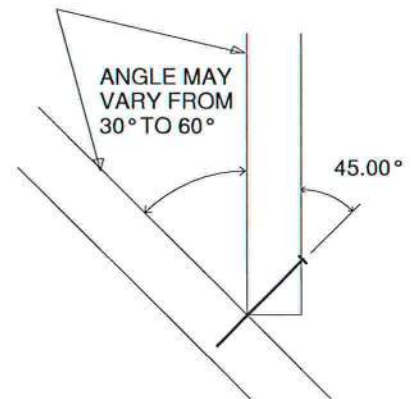
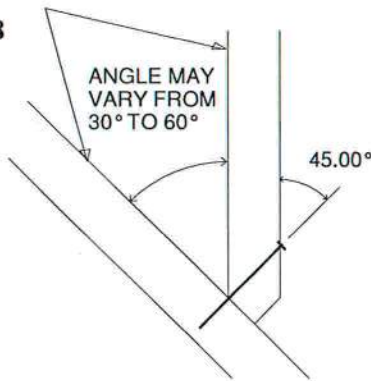
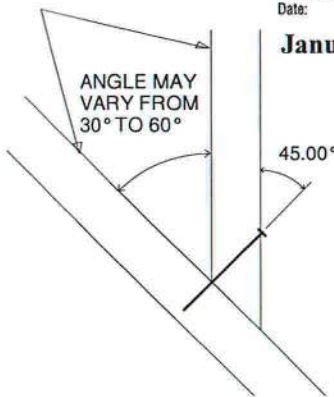
For load duration increase of 1.15:

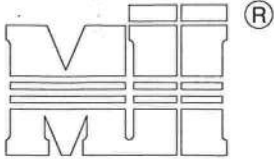
3 (nails) X 84.5 (lb/nail) X 1.15 (DOL) = 291.5 lb Maximum Capacity



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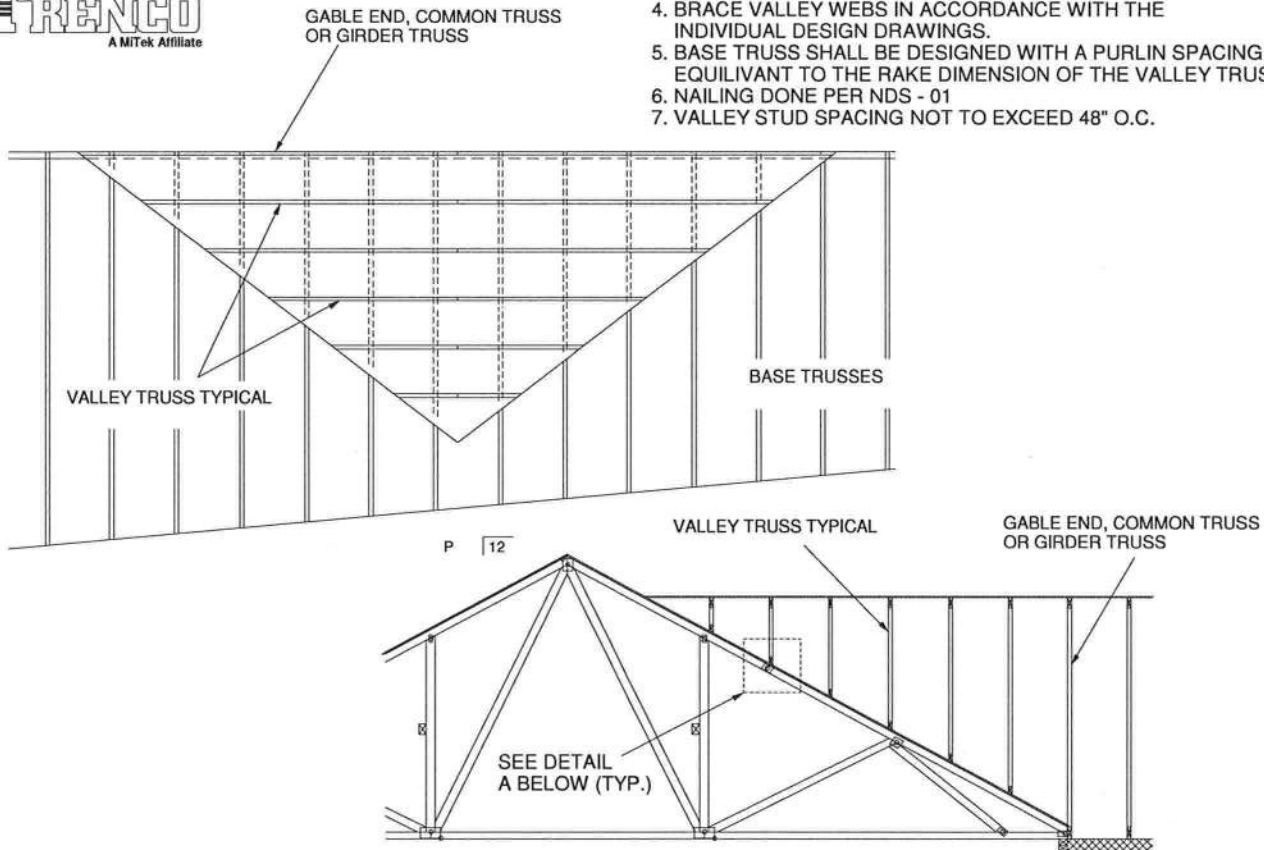


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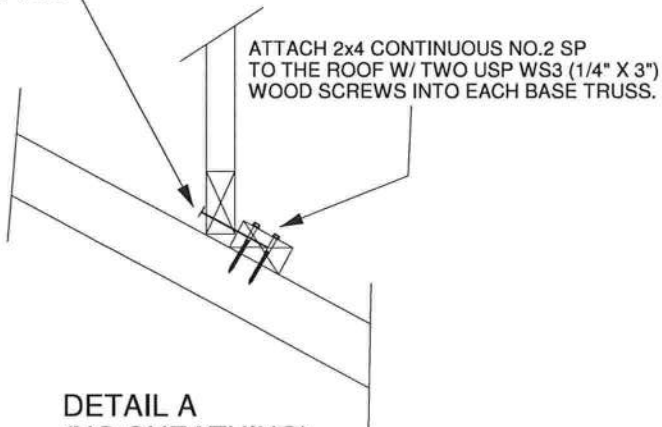
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GENERAL SPECIFICATIONS

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



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



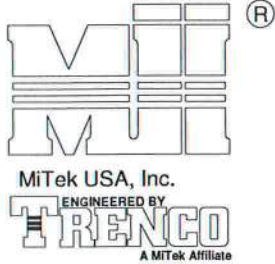
DETAIL A
(NO SHEATHING)
N.T.S.

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



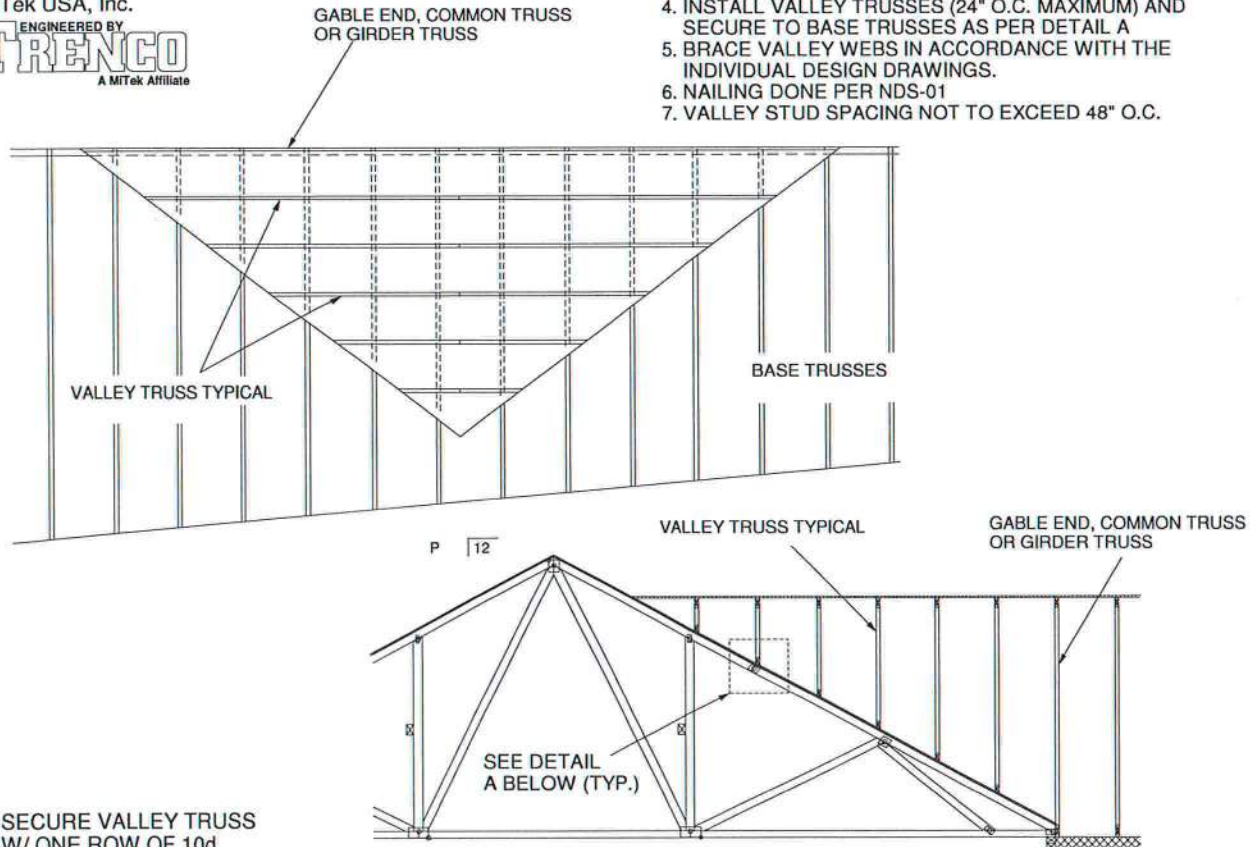
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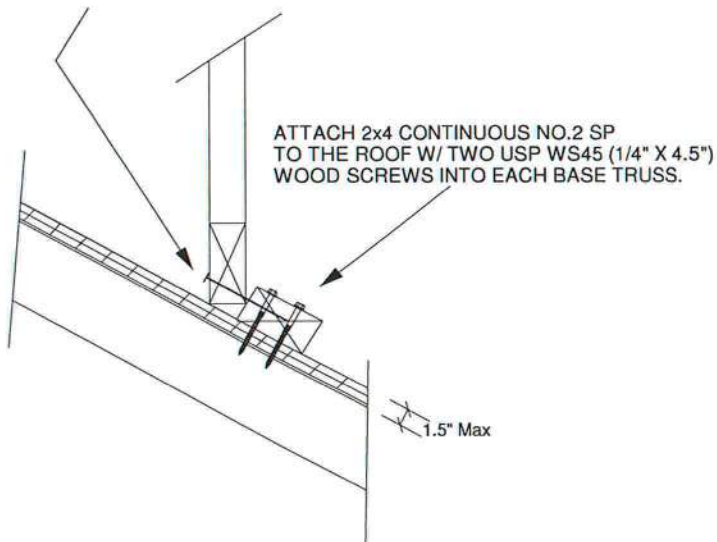


GENERAL SPECIFICATIONS

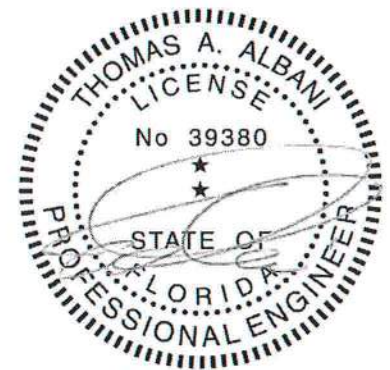
1. NAIL SIZE 10d (0.131" X 3")
2. WOOD SCREW = 4.5" WS45 USP OR EQUIVANT
3. INSTALL SHEATHING TO TOP CHORD OF BASE TRUSSES.
4. INSTALL VALLEY TRUSSES (24" O.C. MAXIMUM) AND SECURE TO BASE TRUSSES AS PER DETAIL A
5. BRACE VALLEY WEBS IN ACCORDANCE WITH THE INDIVIDUAL DESIGN DRAWINGS.
6. NAILING DONE PER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



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

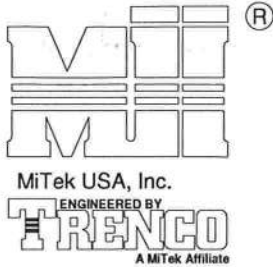


WIND DESIGN PER ASCE 7-98, ASCE 7-02, ASCE 7-05 146 MPH
WIND DESIGN PER ASCE 7-10 160 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
ROOF PITCH = MINIMUM 3/12 MAXIMUM 6/12
CATEGORY II BUILDING
EXPOSURE C
WIND DURATION OF LOAD INCREASE : 1.60
MAX TOP CHORD TOTAL LOAD = 50 PSF
MAX SPACING = 24" O.C. (BASE AND VALLEY)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



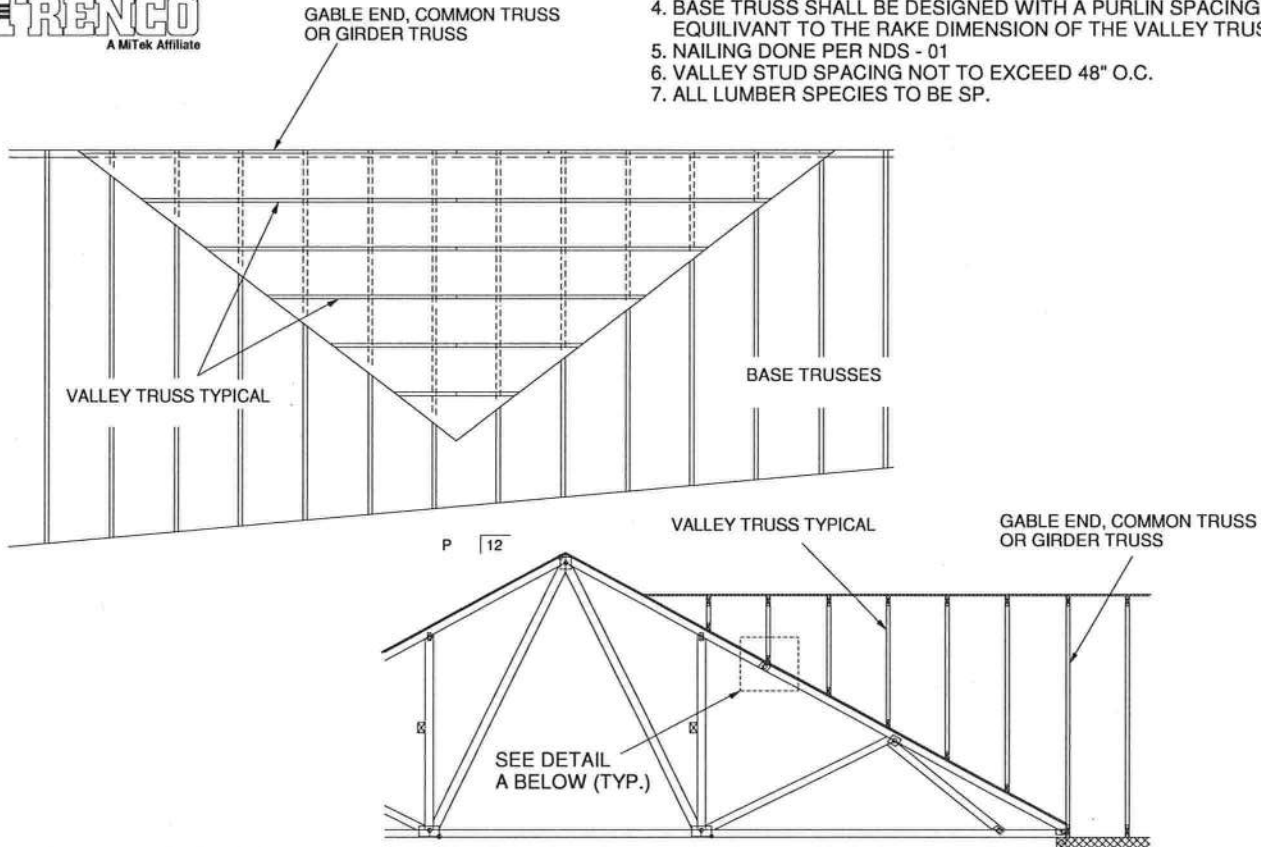
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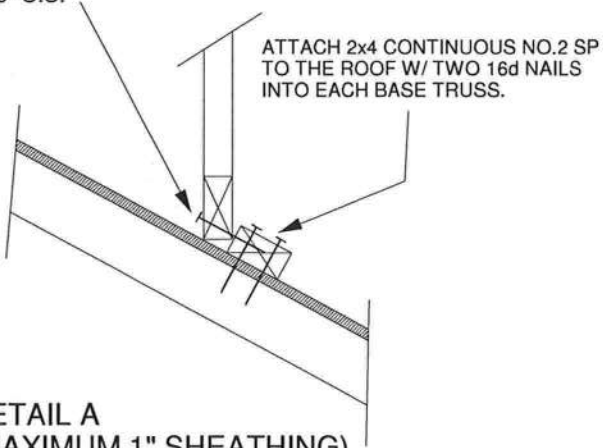


GENERAL SPECIFICATIONS

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



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



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

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



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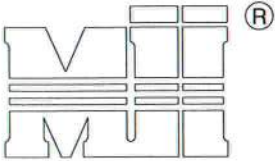
February 12, 2018

AUGUST 1, 2016

TRUSSED VALLEY SET DETAIL
(HIGH WIND VELOCITY)

MII-VALLEY

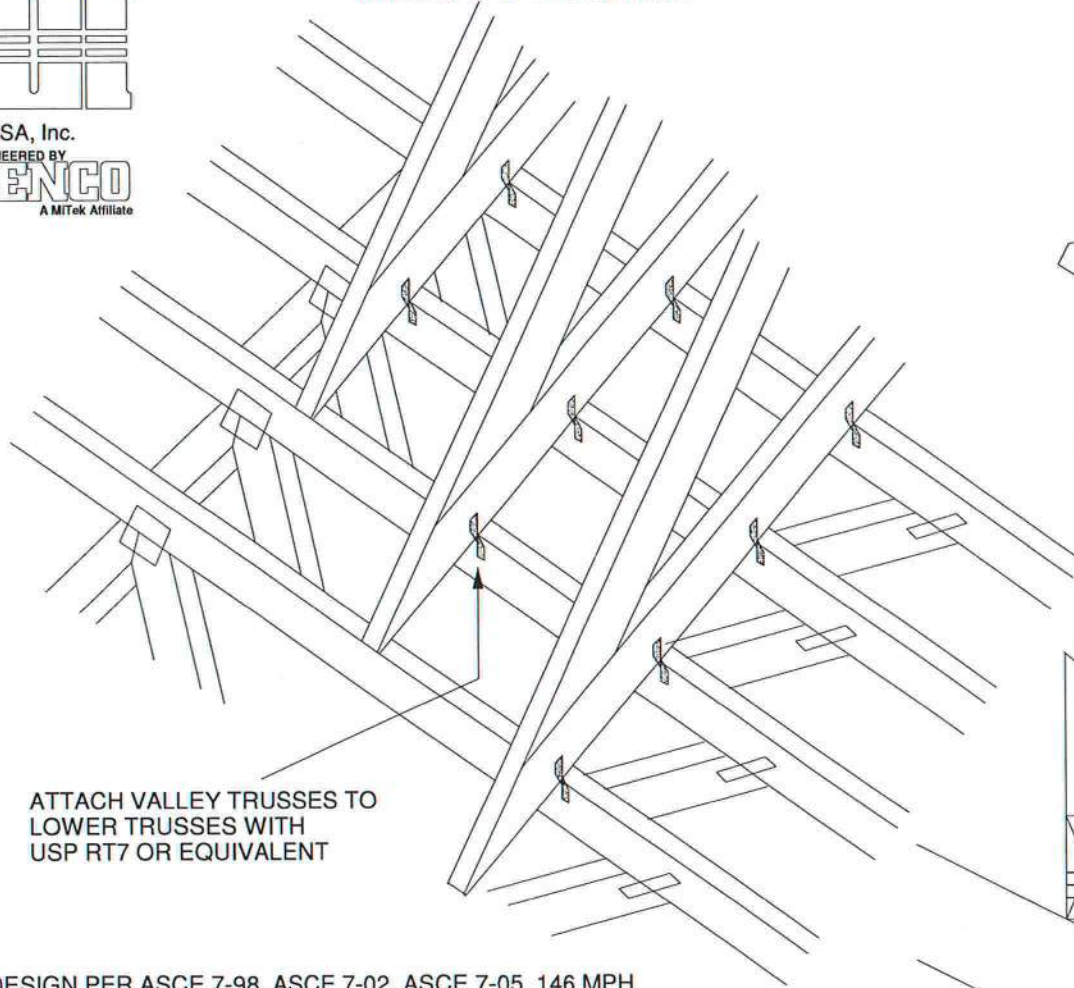
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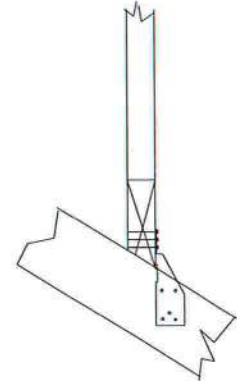
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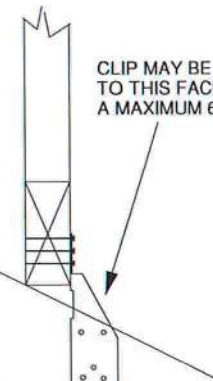
NOTE: VALLEY STUD SPACING NOT
TO EXCEED 48" O.C. SPACING



ATTACH VALLEY TRUSSES TO
LOWER TRUSSES WITH
USP RT7 OR EQUIVALENT



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



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

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

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

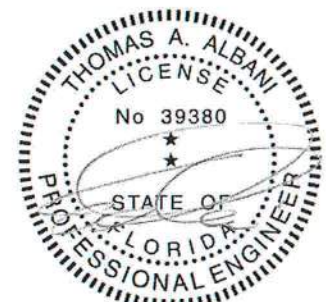
NOTES:

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

NON-BEVELED
BOTTOM CHORD

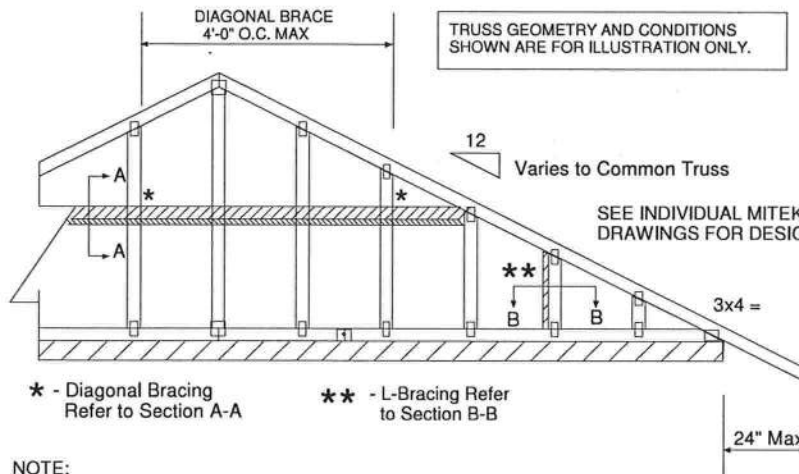
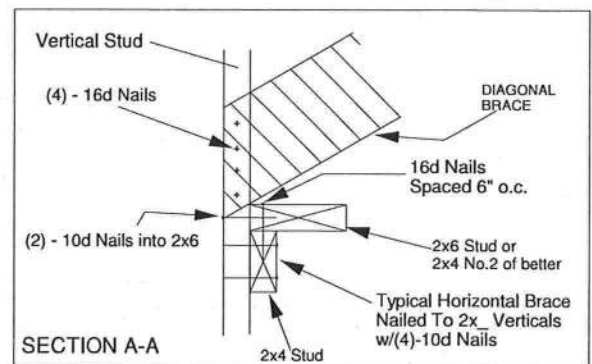
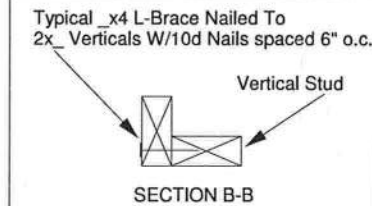
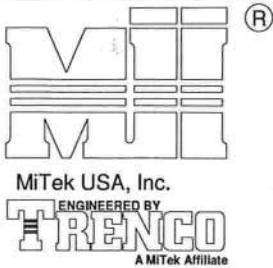
NON-BEVELED
BOTTOM CHORD

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



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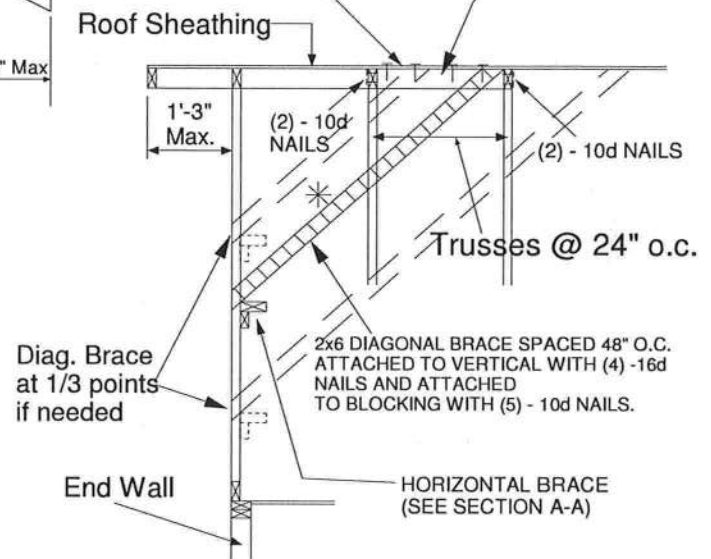


NOTE:

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

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

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



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

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

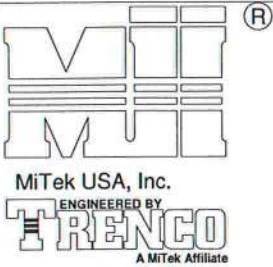
MAXIMUM WIND SPEED = 146 MPH
MAX MEAN ROOF HEIGHT = 30 FEET
CATEGORY II BUILDING
EXPOSURE B or C
ASCE 7-98, ASCE 7-02, ASCE 7-05
DURATION OF LOAD INCREASE : 1.60

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



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January 19, 2018

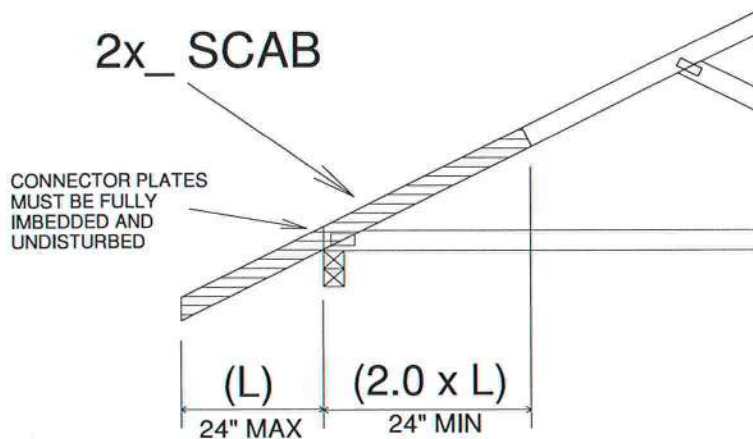


TRUSS CRITERIA:

LOADING: 40-10-0-10
 DURATION FACTOR: 1.15
 SPACING: 24" O.C.
 TOP CHORD: 2x4 OR 2x6
 PITCH: 4/12 - 12/12
 HEEL HEIGHT: STANDARD HEEL UP TO 12" ENERGY HEEL
 END BEARING CONDITION

NOTES:

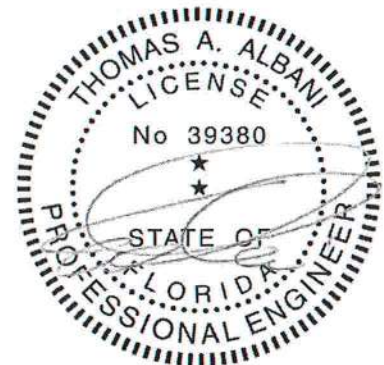
1. ATTACH 2x SCAB (MINIMUM NO.2 GRADE SPF, HF, SP, DF) TO ONE FACE OF TRUSS WITH TWO ROWS OF 10d (0.131" X 3") SPACED 6" O.C.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. WHEN NAILING THE SCABS, THE USE OF A BACKUP WEIGHT IS RECOMMENDED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



IMPORTANT

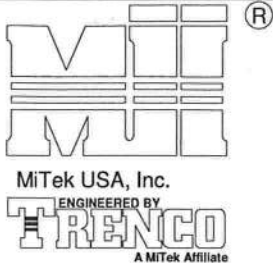
This detail to be used only with trusses (spans less than 40') spaced 24" o.c. maximum and having pitches between 4/12 and 12/12 and total top chord loads not exceeding 50 psf. Trusses not fitting these criteria should be examined individually.

REFER TO INDIVIDUAL TRUSS DESIGN
 FOR PLATE SIZES AND LUMBER GRADES



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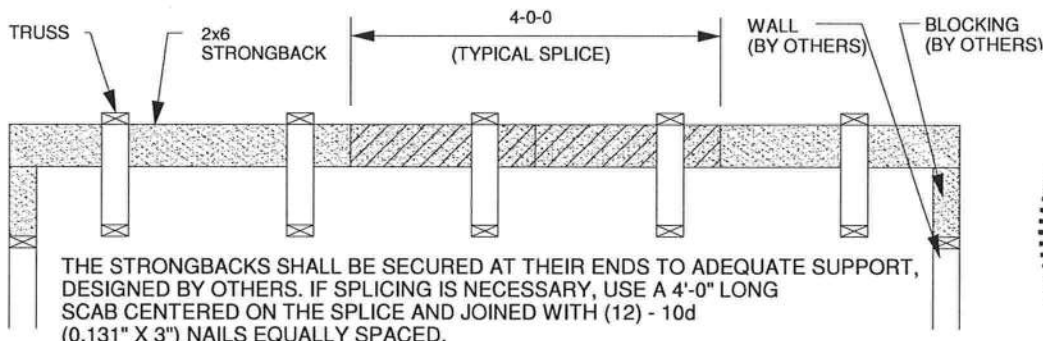
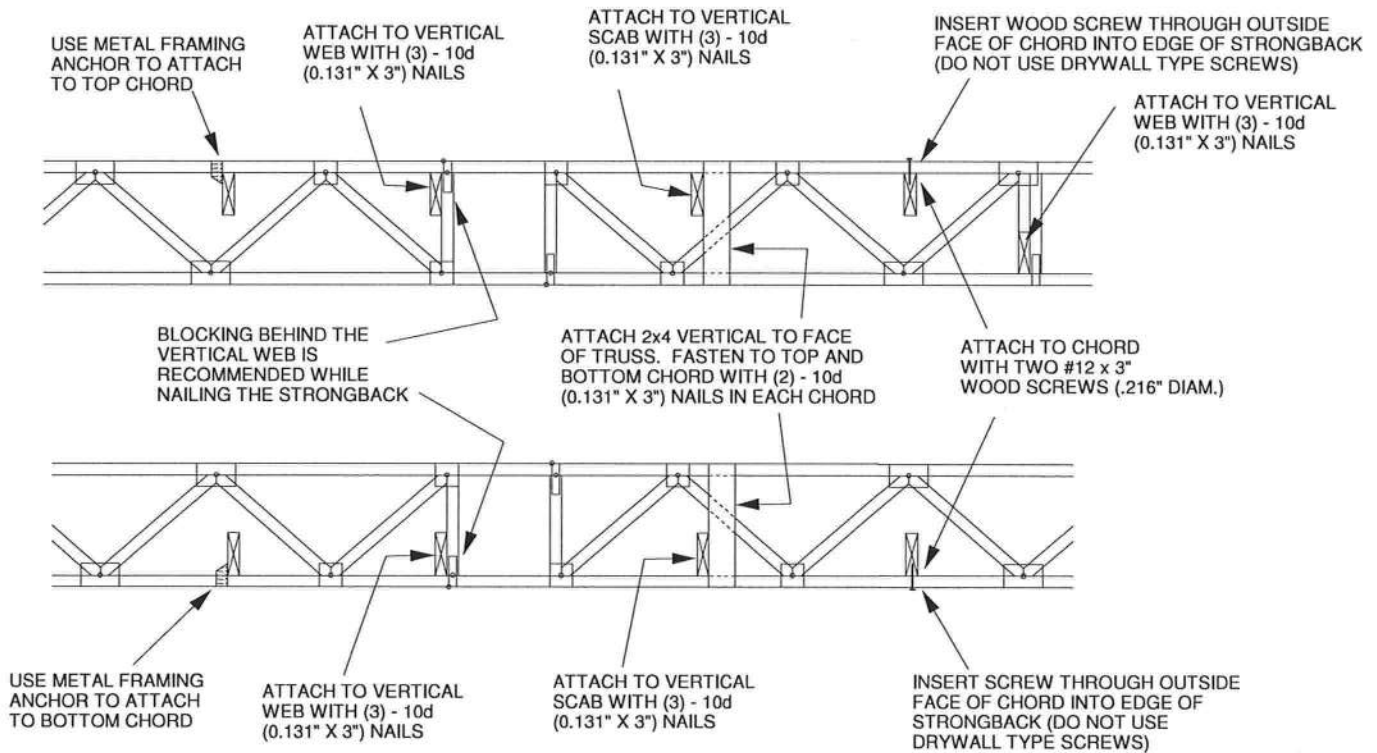
February 12, 2018



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)



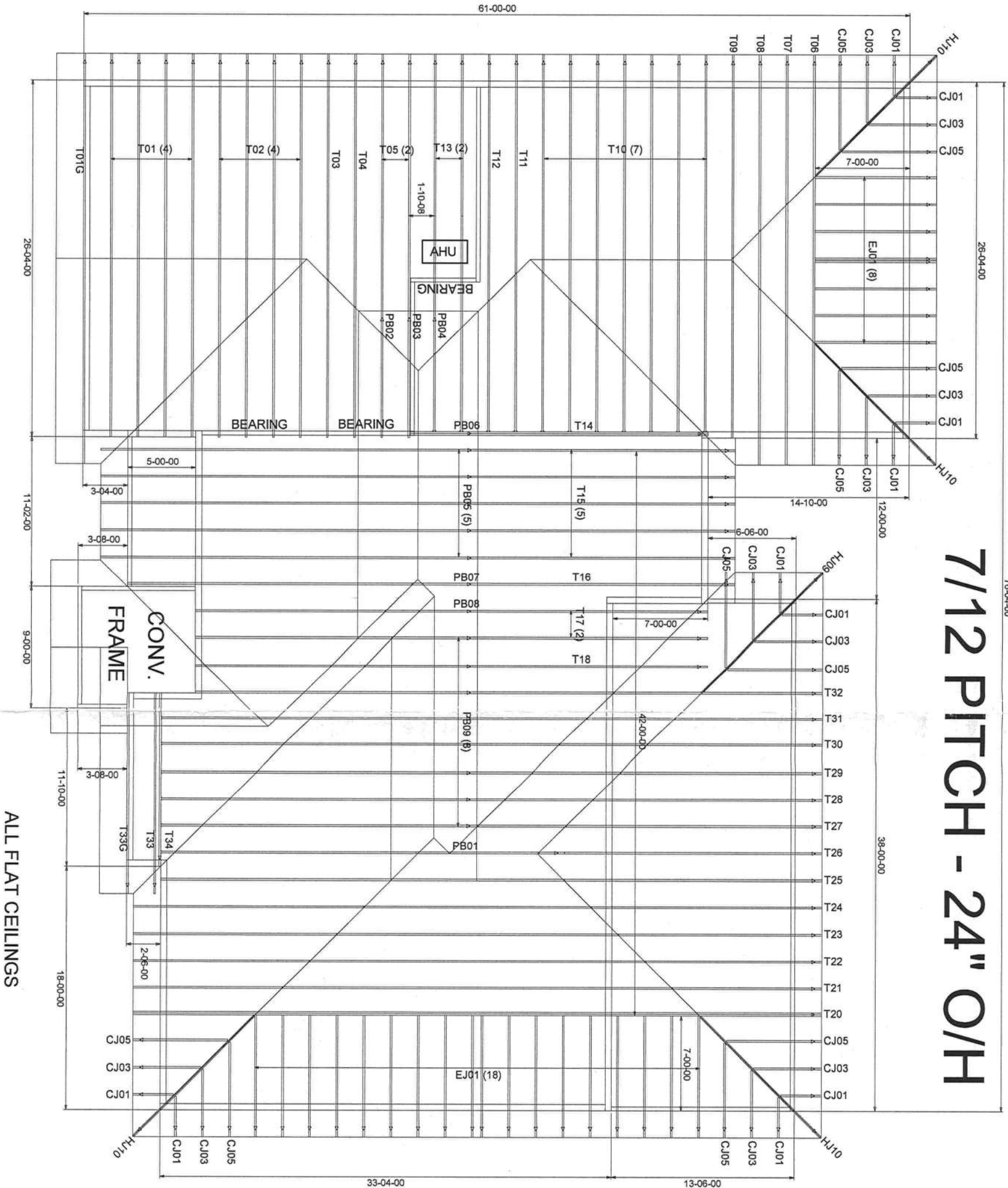
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February 12, 2018

BEARING HEIGHT SCHEDULE

9' 1-1/8"

7/12 PITCH - 24" O/H



NOTES:

- 1) REFER TO HB 91 (RECOMMENDATIONS FOR HANDLING, INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL VIDS FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2' O.C. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) BEAM/AERIAL/TEL. (BOX) TO BE FURNISHED BY BUILDER.



Jacksonville
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EDGLEY CONST.
SEALS RES.

FL Approval Codes - Mitek Plates #'s 2197.2 - 2197.4, Versa-Lam #1644-R4 & BCI Joists #1392-R4

