

RE: 2920817 - 2920817

MiTek USA, Inc. 6904 Parke East Blvd.

Site Information:

Customer Info: FLYNN CONSTRUCTION LLC Project Name: - Model: BLUE JAY COURT RES Subdivision: BLUE JAY COURT RES

Lot/Block: 10

Address: BLUE JAY COURT, -

City: Fort White

State: FL

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

Name:

License #:

Address:

City:

State:

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

Design Code: FBC2020/TPI2014

Wind Code: ASCE 7-16 Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.4

Wind Speed: 130 mph Floor Load: N/A psf

This package includes 43 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 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	T26001431	A01GE	11/17/21	23	T26001453	EJ5A	11/17/21
2	T26001432 T26001433	A02 A03	11/17/21	24	T26001454	EJ5B HJ5	11/17/21
4	T26001433	A03 A04	11/17/21 11/17/21	25 26	T26001455 T26001456	HJ5A	11/17/21 11/17/21
4 5 6	T26001435	A05	11/17/21	27	T26001457	J8AGE	11/17/21
6	T26001436	A06GE	11/17/21	28	T26001458	J8B	11/17/21
7	T26001437	B01H5	11/17/21	29	T26001459	K01H5	11/17/21
8	T26001438	B02	11/17/21	30	T26001460	K02	11/17/21
10	T26001439 T26001440	B03 B04	11/17/21 11/17/21	31 32	T26001461 T26001462	K03 VT3	11/17/21
11	T26001441	B05	11/17/21	33	T26001463	VT3A	11/17/21 11/17/21
12	T26001442	BGR	11/17/21	34	T26001464	VT3B	11/17/21
13	T26001443	CJ1	11/17/21	35	T26001465	VT5	11/17/21
14	T26001444	CJ1A	11/17/21	36	T26001466	VT5A	11/17/21
15 16	T26001445 T26001446	CJ3 CJ3A	11/17/21 11/17/21	37 38	T26001467 T26001468	VT7 VT7A	11/17/21
17	T26001447	CJ3B	11/17/21	39	T26001469	VT7B	11/17/21 11/17/21
18	T26001448	D01GE	11/17/21	40	T26001470	VT9	11/17/21
19	T26001449	D02	11/17/21	41	T26001471	VT10	11/17/21
20	T26001450	D03	11/17/21	42	T26001472	VT12	11/17/21
				43	126001473	V114	11/17/21
21 22	T26001451 T26001452	D04GE EJ5	11/17/21 11/17/21	43	T26001473	VT14	11/17/21



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 (Plant City, FL).

Truss Design Engineer's Name: Velez, Joaquin

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

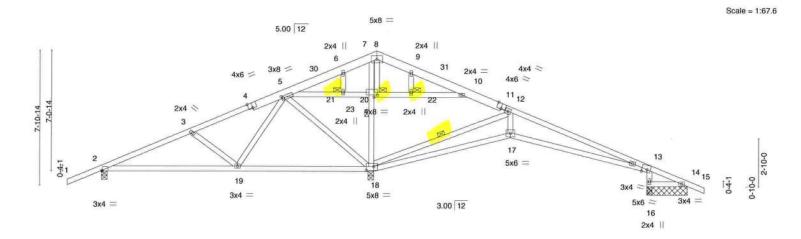
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which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



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

November 17,2021

Job Truss Truss Type Qty Ply 2920817 T26001431 A01GE 2920817 GABLE Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:03 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-vt84n8XFA8_PbQS0rm8Vw1FSG7Zjjo6ZHEgL4PyId2s 2-0-0 16-2-0 24-1-0 32-0-0 34-4-0 35-4-0 2-9-0 2-7-0 5-6-0



		8-0-0	8-1-0	15-10-0	16-0-0	24-0	0-0		T.	32-0-0	34-4-0	V.
		8-0-0	0-1-0	7-9-0	0-2-0	8-0	-0		1	8-0-0	2-4-0	1
Plate Offset	s (X,Y)	[2:0-0-10,Edge], [4:0-3-0,	Edge], [5:0-1	-4,0-1-8], [11:0	-3-0,Edge], [13:0)-3-10,Edge],	[18:0-5-	4,0-2-1	2], [20:0-	2-8,0-1-8]		
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 2	20.0	Plate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.10	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.20	17-18	>951	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	(-AS					1001000	Weight: 194 lb	FT = 20%

BRACING-

WEBS

JOINTS

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

1 Brace at Jt(s): 20, 21, 22

1 Row at midpt

LUMBER-TOP CHORD

2x6 SP No.2 *Except*

1-4,11-15: 2x4 SP No.2

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

2x4 SP No.3 **OTHERS**

REACTIONS. All bearings 2-4-0 except (jt=length) 2=0-4-0, 18=0-4-0.

(lb) - Max Horz 2=223(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 16, 16, 14 except 2=-258(LC 10), 18=-501(LC 10), 13=-232(LC 10) All reactions 250 lb or less at joint(s) 16, 14, 14 except 2=575(LC 19), 18=1920(LC 1), 13=654(LC 20)

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

TOP CHORD 2-3=-653/258, 3-5=-386/376, 5-6=-210/979, 6-7=-204/1030, 7-8=-29/646,

8-9=-199/1022, 9-10=-219/975, 10-12=-32/735, 12-13=-326/141

BOT CHORD 2-19=-240/576, 18-19=-505/141, 17-18=-97/258 WEBS

18-23=-1113/478, 7-23=-1025/489, 12-18=-952/283, 12-17=0/342, 5-18=-605/196.

5-19=-50/526, 3-19=-375/207

NOTES-

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

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; Gable Roof; Common Truss; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-5-3, Interior(1) 1-5-3 to 12-8-13, Exterior(2R) 12-8-13 to 19-7-3, Interior(1) 19-7-3 to 31-10-13, Exterior(2E) 31-10-13 to 35-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

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

6) 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.
- 8) Bearing at joint(s) 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 14, 14 except (jt=lb) 2=258, 18=501, 13=232.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

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 tabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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

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



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Job Truss Truss Type Qty Ply 2920817 T26001432 2920817 A02 Roof Special Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:05 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-rGGrCqZViIE7rjcOyBAz?SKstw95BkOsIY9S9HyId2q 24-1-0 24-0-0 23-10-4 25-0-0 Scale: 3/16"=1" 0-1-0211-0 7x8 = 5.00 12 6 5x8 < 4x6 = 6x8 28 3x4 = 4x8 = 4 10 2x4 \\ 3 5x6 = 3x6 || 4x12 = 7x8 || 2x4 || 4x8 = 16 5x12 = 3x4 = 7x8 = 3.00 12 4x4 = 24-0-0 6-7-12 Plate Offsets (X,Y)--[5:0-3-0,Edge], [7:0-4-0,Edge], [9:0-4-0,Edge], [11:0-4-11,Edge], [13:0-0-1,0-1-3], [14:0-3-4,0-3-4], [16:0-6-0,0-3-0], [18:0-4-6,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL L/d PLATES GRIP in (loc) I/defl TCLL 20.0 Plate Grip DOL 1.25 TC 0.43 Vert(LL) 0.50 13-25 >818 240 244/190 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.89 -0.97 13-25 Vert(CT) >424 180 BCLL 0.0 Rep Stress Incr YES WB 0.78 Horz(CT) 0.50 12 n/a n/a

BRACING-

WEBS

JOINTS

TOP CHORD

BOT CHORD

LUMBER-

BCDL

TOP CHORD 2x6 SP M 26 *Except*

1-5: 2x4 SP M 31, 9-12: 2x8 SP 2400F 2.0E

Code FBC2020/TPI2014

BOT CHORD 2x6 SP M 26 "Except"

2-16,8-15: 2x4 SP No.2

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

10.0

2x4 SP No.3

LBR SCAB 9-12 2x8 SP 2400F 2.0E one side

REACTIONS.

(size) 2=0-4-0, 12=0-4-0

Max Horz 2=223(LC 9)

Max Uplift 2=-538(LC 10), 12=-414(LC 10) Max Grav 2=1490(LC 1), 12=1368(LC 1)

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

TOP CHORD 2-3=-2999/1091, 3-4=-2865/1090, 4-6=-1986/887, 6-7=-1466/757, 7-8=-1942/903, 8-10=-3055/1253, 10-11=-7238/2664, 11-12=-516/227

2-17=-881/2717, 16-17=-769/2298, 15-16=-922/2824, 13-15=-921/2845,

BOT CHORD

13-14=-1500/4148, 11-13=-2424/6994, 8-14=-464/1402

3-17=-262/165, 4-17=-69/533, 4-16=-657/308, 6-16=-352/1048, 10-13=-419/1498, **WEBS**

10-14=-3922/1418, 8-16=-1571/610

NOTES-

1) Attached 14-0-0 scab 9 to 12, back face(s) 2x8 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-0-0 from end at joint 9, nail 2 row(s) at 7" o.c. for 3-7-12; starting at 9-3-11 from end at joint 9, nail 2 row(s) at 4" o.c. for 2-0-0.

Matrix-AS

- 2) Unbalanced roof live loads have been considered for this design.
- 3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-5-3, Interior(1) 1-5-3 to 12-8-13, Exterior(2R) 12-8-13 to 19-9-6, Interior(1) 19-9-6 to 30-8-13, Exterior(2E) 30-8-13 to 34-2-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) 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.
- 7) Bearing at joint(s) 12 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (it=lb) 2=538, 12=414.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Weight: 259 lb

10-14, 8-16

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

1 Row at midpt

1 Brace at Jt(s): 14

FT = 20%

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

November 17,2021

🗥 WARNING - Verily 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 MiTok® 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 exception and bracing of turses systems, see

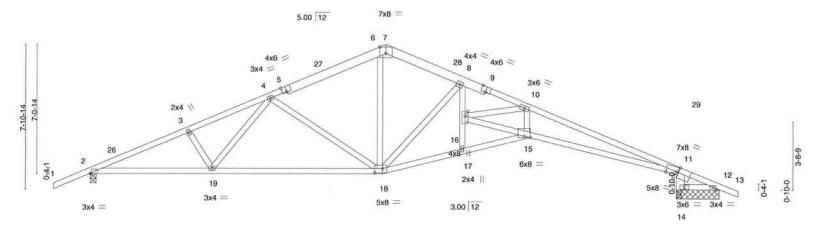
fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPH Qu Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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Job Truss Truss Type Qty Ply 2920817 T26001433 2920817 A03 Roof Special Structural Gable Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:06 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-KSpDQAa7T3M_StBbWvhCYft_bKU9w8D?zCu?hkyld2p -2-0-0 9-10-4 16-2-0 20-4-2 23-10-4 24-1-0 19-11-2 32-0-0 2-0-0 5-4-11 4-5-10 0-11-1 5-4-11 3-6-2 0-2-12 7-11-0 2-4-0

Scale = 1:62.9



		0.7.12		0.0.0		1,000		3-10-4		32-0-0		-4-0
		6-7-12		9-4-4					0-1-12	8-0-0		4-0
Plate Offse	ts (X,Y)	[2:0-0-14,Edge], [5:0-3-0 [18:0-5-4,0-2-12]	Edge], [7:0-4-0),Edge], [9:0-0	3-0,Edge], [11:0-6-11,Edge], [11:0-1-9	e,Edge	, [12:0-2-0),Edge], [15:0-4	-0,0-0-14], [16:0-3-0	,0-2-0],
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	0.62	Vert(LL)	-0.36	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.74	18-19	>525	180		
BCLL	0.0	Rep Stress Incr	YES	WB	1.00	Horz(CT)	0.34	12	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	-AS					- Intable	Weight: 182 lb	FT = 20%

19-11-2

BRACING-

TOP CHORD

BOT CHORD

20-4-2 23-10-4 24-0-0

32-0-0

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*

1-5: 2x4 SP No.2, 9-13: 2x4 SP M 31

6-7-12

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

11-16: 2x4 SP M 31, 11-14: 2x6 SP No.2

WEBS 2x4 SP No.3

REACTIONS.

All bearings 2-4-0 except (jt=length) 2=0-4-0. Max Horz 2=223(LC 9) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) except 2=-507(LC 10), 11=-611(LC 10),

16-0-0

14=-249(LC 1), 14=-249(LC 1), 12=-218(LC 1), 12=-218(LC 1)

Max Grav All reactions 250 lb or less at joint(s) 14, 12 except 2=1388(LC 1),

11=2005(LC 1)

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

TOP CHORD 2-3=-2747/992, 3-4=-2605/984, 4-6=-1717/785, 6-7=-1273/689, 7-8=-1671/794,

8-10=-2579/1054, 10-11=-5298/1828, 11-12=-74/391

BOT CHORD 2-19=-763/2486, 18-19=-647/2058, 17-18=-718/2420, 15-17=-714/2426, 15-16=-843/2525,

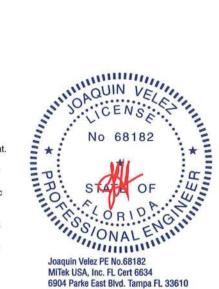
11-15=-1550/4915

WEBS 3-19=-261/167, 4-19=-62/542, 4-18=-669/308, 6-18=-259/838, 10-15=-236/1185,

8-16=-339/1105, 10-16=-2471/826, 8-18=-1214/442

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=34ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-5-3, Interior(1) 1-5-3 to 12-8-13, Exterior(2R) 12-8-13 to 19-7-3, Interior(1) 19-7-3 to 31-10-13, Exterior(2E) 31-10-13 to 35-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 11, 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 507 lb uplift at joint 2, 611 lb uplift at joint 11, 249 lb uplift at joint 14, 218 lb uplift at joint 12 and 218 lb uplift at joint 12.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610 Date:

November 17,2021

MARNING - Verity 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 Design valid for use only with new 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

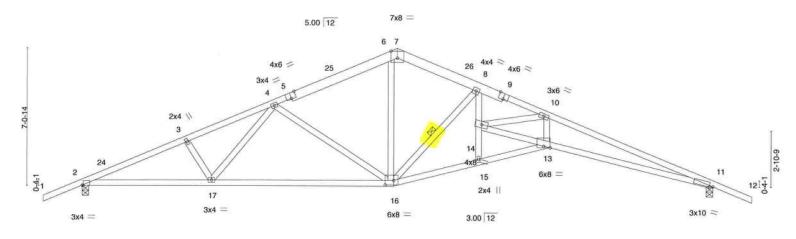
ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd. Tampa, FL 36610

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Job Truss Truss Type Qty Ply 2920817 T26001434 2920817 A04 Roof Special Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:07 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-ofNbdWbmENUr41mn4cCR4tPAYkpCfei9CseZDAyId2o 25-7-4 16-0-0 24-3-0 1-4-4 Scale = 1:59.2



		6-7-12		9-4-4		4-4-2			-7-14		8-4-0	
Plate Offs	sets (X,Y)	[2:0-0-10,Edge], [5:0-3-0,	,Edge], [7:0-4-0		3-0,Edge], [-4,0-2-12]	040	
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.37	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	-0.74	13	>523	180	NAME OF SEC. 1	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.36	11	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	c-AS		(CAR-100)		1.579.50	(0.2000)	Weight: 175 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

20-4-2

LUMBER-

TOP CHORD 2x6 SP No 2 *Except* 1-5.9-12: 2x4 SP M 31

BOT CHORD 2x4 SP No.2 *Except*

11-14: 2x4 SP No.1

WEBS 2x4 SP No.3

REACTIONS.

(size) 2=0-4-0, 11=0-4-0

6-7-12

Max Horz 2=210(LC 9)

Max Uplift 2=-512(LC 10), 11=-512(LC 10) Max Grav 2=1413(LC 1), 11=1413(LC 1)

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

TOP CHORD 2-3=-2810/993, 3-4=-2668/985, 4-6=-1782/789, 6-7=-1321/690, 7-8=-1737/798,

8-10=-2718/1069, 10-11=-5749/1900

BOT CHORD 2-17=-767/2543, 16-17=-655/2119, 15-16=-740/2552, 13-15=-738/2561, 13-14=-886/2843,

11-13=-1622/5392

WEBS 3-17=-256/164, 4-17=-60/541, 4-16=-666/308, 6-16=-270/884, 10-13=-288/1362,

8-14=-349/1220, 10-14=-2790/870, 8-16=-1315/463

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-2-13, Interior(1) 1-2-13 to 12-11-3, Exterior(2R) 12-11-3 to 19-4-13, Interior(1) 19-4-13 to 31-1-3, Exterior(2E) 31-1-3 to 34-4-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

16-0-0

- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 2 and 512 lb uplift at
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



32-4-0

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

1 Row at midpt

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

November 17,2021

MARNING - Verily 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 MITE's connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

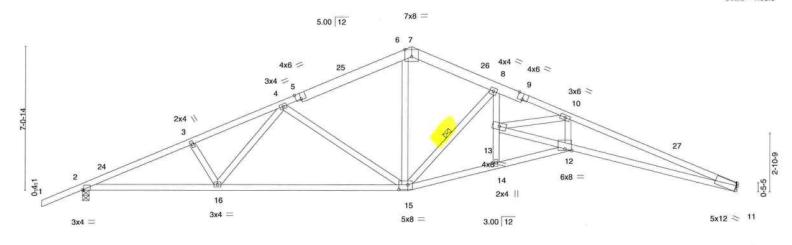
ANSI/THI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Qty Job Truss Truss Type Plv 2920817 T26001435 2920817 A05 Roof Special 8 Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:08 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-GrxzrrbO_gciiBLzeKkgd4yFC88cO6hIRWN6mcyld2n -2-0-0 2-0-0 9-10-4 16-2-0 20-4-2 24-0-0 24-1-8 5-4-11 4-5-9 6-3-12 0-1-8

Scale = 1:56.6



	1	0-7-12		10.0.0		0-4-2	1.	24-0-0		32-1-0	1
		6-7-12	1	9-4-4		4-4-2		3-7-14	1	8-1-0	
Plate Off	sets (X,Y)	[2:0-0-10,Edge], [5:0-3-0,	Edge], [7:0-4-0	,Edge], [9:0-3-0,Edge], [11:Edge,0-1-6], [1	2:0-4-0,0-0	-14], [15:0-5-4	,0-2-12]		
LOADING	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defI	L∕d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.94	Vert(LL)	0.40 12	-13	>969	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.96	Vert(CT)	-0.78 12	-14	>496	180	1327007753.0	
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.75	Horz(CT)	0.38	11	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix-AS	100000000000000000000000000000000000000					Weight: 171 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

20-4-2

24.0.0

Rigid ceiling directly applied.

1 Row at midpt

Structural wood sheathing directly applied.

16.0.0

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*

1-5: 2x4 SP No.2, 9-11: 2x4 SP No.1

6-7-12

2x4 SP No.2 *Except* BOT CHORD

11-13: 2x4 SP No.1

WEBS 2x4 SP No.3

REACTIONS.

(size) 2=0-4-0, 11=Mechanical

Max Horz 2=203(LC 9)

Max Uplift 2=-512(LC 10), 11=-388(LC 10) Max Grav 2=1405(LC 1), 11=1278(LC 1)

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

TOP CHORD 2-3=-2788/1000, 3-4=-2646/992, 4-6=-1759/796, 6-7=-1302/696, 7-8=-1713/804,

8-10=-2660/1106, 10-11=-5538/2058

BOT CHORD 2-16=-848/2524, 15-16=-733/2096, 14-15=-849/2512, 12-14=-848/2520,

12-13=-1006/2675, 11-12=-1853/5178

WEBS 3-16=-258/167, 4-16=-62/542, 4-15=-665/305, 6-15=-271/872, 8-13=-397/1168,

8-15=-1289/501, 10-12=-346/1304, 10-13=-2625/989

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-2-8, Interior(1) 1-2-8 to 12-11-8, Exterior(2R) 12-11-8 to 19-4-8, Interior(1) 19-4-8 to 28-9-12, Exterior(2E) 28-9-12 to 32-0-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 512 lb uplift at joint 2 and 388 lb uplift at joint 11.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



22-1-0

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

November 17,2021

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

Design valid for use only with MITE&® 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

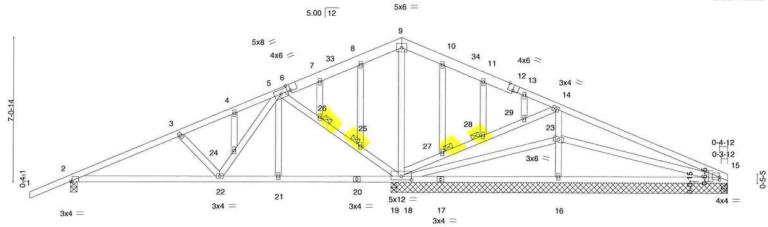
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type Qty Ply 2920817 T26001436 2920817 A06GE GABLE 1 Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:10 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-CE3kFXdeWlsQxVVMlkm8iV1bcxv4s3ubupsDqVyId2l -2-0-0 5-4-11 10-0-7 16-2-0 20-4-2 21-5-11 24-0-0 26-9-5 2-0-0 5-4-11 4-7-12 6-1-9 1-1-9 2-6-5 2-9-5 5-3-11

Scale = 1:56.3



	9:	7-3-10		8-4-6	5	0-4-0	4-0-0	0-4-2	3-7-1	4	4-0-8	4-0-4 0-0-4
Plate Offs	ets (X,Y)	[2:0-0-14,Edge], [6:0-1-14	4,Edge], [12:0-	3-0,Edge], [1	5:0-0-0,0-1-	9], [18:0-6-0,0-2-0	1					
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L∕d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	0.12	15-16	>889	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.27	15-16	>386	180	100000000000000000000000000000000000000	
3CLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	x-AS						Weight: 215 lb	FT = 20%

16-0-0

BRACING-

JOINTS

TOP CHORD

BOT CHORD

20-0-0

20-4-2

24-0-0

Rigid ceiling directly applied.

1 Brace at Jt(s): 25, 26, 27, 28

Structural wood sheathing directly applied.

28-0-8

32-0-12

32-1-0

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*

1-6,12-15: 2x4 SP No.2

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

OTHERS 2x4 SP No.3

REACTIONS. All bearings 16-5-0 except (jt=length) 2=0-4-0, 19=0-3-8.

(lb) - Max Horz 2=206(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 15, 16, 19 except 18=-455(LC 10), 2=-263(LC 10)

All reactions 250 lb or less at joint(s) 15, 19 except 15=286(LC 20), 18=1329(LC 1), 16=520(LC 20), Max Grav

15-8-0

2=610(LC 19)

7-3-10

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

TOP CHORD 2-3=-729/209, 3-4=-533/162, 4-5=-478/185, 5-7=-68/471, 7-8=-55/490, 8-9=-53/542,

9-10=-55/537, 10-11=-83/521, 11-13=-102/491, 13-14=-88/425, 14-15=-112/263

BOT CHORD 2-22=-124/693

WEBS 3-22=-308/163, 22-24=-87/425, 5-24=-120/443, 5-26=-717/292, 25-26=-738/304,

18-25=-724/299, 16-23=-310/158, 14-23=-309/179, 18-27=-411/298, 27-28=-372/270,

28-29=-349/254, 14-29=-383/274, 9-18=-683/342

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; Gable Roof; Common Truss; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-2-8, Interior(1) 1-2-8 to 12-11-8, Exterior(2R) 12-11-8 to 19-4-8, Interior(1) 19-4-8 to 29-2-7, Exterior(2E) 29-2-7 to 32-4-15 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 19 except (it=lb) 18=455, 2=263.
- 10) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

🗥 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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ANSI/TPII Quality Criteria, DSB-89 and BCSI Building Criteria. fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Qu Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

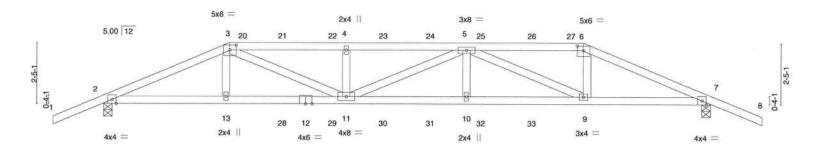


6904 Parke East Blvd.

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Job Truss Truss Type Qty Ply 2920817 T26001437 2920817 B01H5 Hip Girder Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:12 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567, ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-8cBUgDeu2v68Aoelt9ocnw6xilYHKumuM7LKvNyId2j 5-0-0 19-0-0 26-0-0 5-0-0 4-9-3 5-0-0 2-0-0

Scale = 1:45.6



	1	5-0-0 5-0-0		-7-7	14-4-9	-1	19-0-0	-	24-0-0	
Plate Offse	ets (X,Y)	[3:0-3-0,0-2-4], [6:0-3-0,0		-7-7	4-9-3		4-7-7		5-0-0	
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	100000000000000000000000000000000000000	0.90 Vert(LL)	0.25 10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85 Vert(CT)	-0.50 10-11	>577	180	1002000000	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81 Horz(CT	0.12 7	n/a	n/a		
BCDL	10.0	Code FBC2020/Ti	PI2014	Matrix-	MSH (Weight: 112 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

7-12: 2x4 SP No.1

WEBS 2x4 SP No.3

REACTIONS.

(size) 2=0-4-0, 7=0-4-0

Max Horz 2=-74(LC 6)

Max Uplift 2=-535(LC 8), 7=-540(LC 8) Max Grav 2=1552(LC 1), 7=1559(LC 1)

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

TOP CHORD 2-3=-3175/863, 3-4=-4203/1212, 4-5=-4203/1212, 5-6=-2837/826, 6-7=-3193/875

BOT CHORD 2-13=-680/2907, 11-13=-682/2884, 10-11=-1076/4213, 9-10=-1076/4213, 7-9=-690/2896

WEBS 3-13=0/350, 3-11=-423/1527, 4-11=-446/254, 5-10=0/303, 5-9=-1546/432, 6-9=-138/901

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
 to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=535, 7=540.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 105 lb down and 94 lb up at 5-0-0, 105 lb down and 90 lb up at 7-0-12, 105 lb down and 90 lb up at 9-0-12, 105 lb down and 90 lb up at 11-0-12, 105 lb down and 90 lb up at 12-11-4, 105 lb down and 90 lb up at 12-11-4, 105 lb down and 90 lb up at 16-11-4, and 105 lb down and 90 lb up at 16-11-4, and 151 lb down and 175 lb up at 19-0-0 on top chord, and 237 lb down and 48 lb up at 5-0-0, 46 lb down at 7-0-12, 46 lb down at 9-0-12, 46 lb down at 11-0-12, 46 lb down at 12-11-4, 46 lb down at 14-11-4, and 46 lb down at 16-11-4, and 237 lb down and 48 lb up at 18-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) 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 (olf)

Vert: 1-3=-60, 3-6=-60, 6-8=-60, 14-17=-20



Structural wood sheathing directly applied or 1-11-10 oc purlins.

Rigid ceiling directly applied or 6-1-1 oc bracing.

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

November 17,2021

Continued on page 2

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



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Job	Truss	Truss Type	Qty	Ply	2920817	
2920817	B01H5	Hip Girder	1	1		T26001437
					Job Reference (optional)	
Builders FirstSou	rce (Plant City, FL), Plan	City, FL - 33567,			g 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:12 20 aR3RkyOxOc-8cBUgDeu2v68Aoelt9ocnw6xilYHKumuM	

LOAD CASE(S) Standard

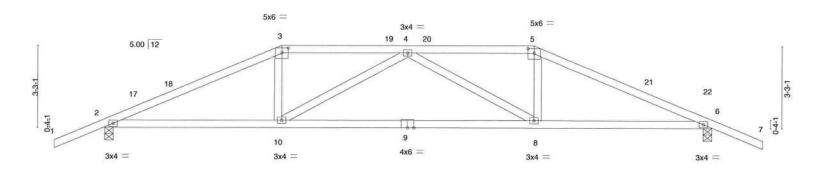
Concentrated Loads (lb)

Vert: 6=-73(F) 13=-130(F) 3=-60(F) 9=-130(F) 21=-60(F) 22=-60(F) 23=-60(F) 25=-60(F) 2 33=-33(F)

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Truss Type Job Truss Qty Ply 2920817 T26001438 2920817 B02 Hip Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567. 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:13 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-cplsuZfWpDE_oyDxQtJrK8fCf9t53TH1an5tRqyId2i -2-0-0 7-0-0 12-0-0 17-0-0 24-0-0 26-0-0 2-0-0 7-0-0 2-0-0

Scale = 1:45.6



	1	7-0-0				17-0-0			-		24-0-0 7-0-0	
7-0-0 Plate Offsets (X,Y) [3:0-3-0,0-2-4], [5:0-3-0,0-2-4]					10-0-0							
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	0.51	Vert(LL)	-0.26		>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.56	8-10	>517	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.06	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	k-AS						Weight: 105 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 2=0-4-0, 6=0-4-0

Max Horz 2=95(LC 9)

Max Uplift 2=-409(LC 10), 6=-409(LC 10) Max Grav 2=1080(LC 1), 6=1080(LC 1)

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

TOP CHORD 2-3=-1881/711, 3-4=-1652/713, 4-5=-1652/713, 5-6=-1881/711

BOT CHORD 2-10=-486/1669, 8-10=-663/1901, 6-8=-486/1669

WEBS 3-10=-15/427, 4-10=-400/205, 4-8=-400/205, 5-8=-15/427

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 2-9-1, Exterior(2R) 2-9-1 to 11-2-15, Interior(1) 11-2-15 to 12-9-1, Exterior(2R) 12-9-1 to 21-2-15, Interior(1) 21-2-15 to 23-0-0, Exterior(2E) 23-0-0 to 26-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=409, 6=409,
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

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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

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

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

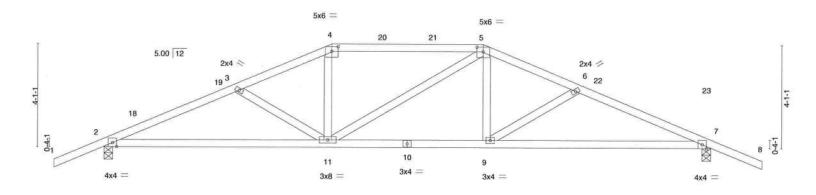


6904 Parke East Blvd. Tampa, FL 36610

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Job Truss Truss Type Qty Ply 2920817 T26001439 2920817 B03 Hip 1 Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:14 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-5?IF5vg9aWMrQ6o7_aq4tLCOIYG4oyaBpRqQzGyId2h 24-0-0 15-0-0 26-0-0 6-0-0 3-7-13

Scale = 1:45.6



	1	9-0-0				15-0-0 6-0-0	-			24-0-0 9-0-0		
Plate Offse	ets (X,Y)	[4:0-3-0,0-2-4], [5:0-3-0,0				0-0-0				9-0-0)	
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	0.43	Vert(LL)	-0.14	9-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.31	9-17	>932	180	10000000000	
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-AS						Weight: 113 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

2x4 SP No.3 WERS

REACTIONS.

(size) 2=0-4-0, 7=0-4-0 Max Horz 2=-117(LC 8)

Max Uplift 2=-409(LC 10), 7=-409(LC 10)

Max Grav 2=1080(LC 1), 7=1080(LC 1)

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

TOP CHORD $2\hbox{-}3\hbox{-}1901/775, 3\hbox{-}4\hbox{-}-1618/677, 4\hbox{-}5\hbox{-}-1441/667, 5\hbox{-}6\hbox{-}-1618/677, 6\hbox{-}7\hbox{-}-1901/775}$ **BOT CHORD** 2-11=-563/1722, 9-11=-403/1440, 7-9=-563/1722

WEBS 3-11=-320/187, 4-11=-20/385, 5-9=-20/386, 6-9=-321/187

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-9-1, Exterior(2R) 4-9-1 to 19-2-15, Interior(1) 19-2-15 to 23-0-0, Exterior(2E) 23-0-0 to 26-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- 5) 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.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=409, 7=409.
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

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



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Job Truss Truss Type 2920817 Qty Ply T26001440 2920817 B04 Hip Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567. 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:15 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-ZBsdJFhnLqUi2GNJYIMJPZkaCycbXP8K25a_Wiyld2g 11-0-0 13-0-0 17-6-7 24-0-0 26-0-0 4-6-7 2-0-0

Scale = 1:45.6

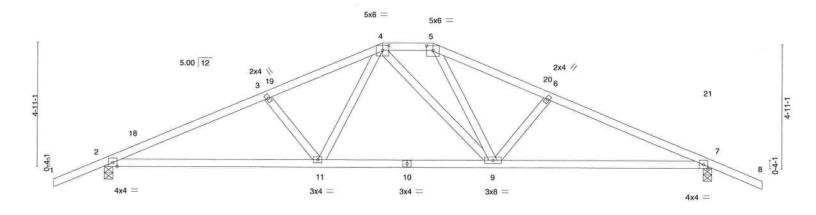


Plate Offse	te (X V)	8-5-7 8-5-7 [4:0-3-0,0-2-4], [5:0-3-0,0	1-2-41		2-6-10		5-6-10 -6-10		24-0-0 8-5-6		
LOADING TCLL TCDL		SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.25 1.25	CSI. TC BC	0.37 0.68	DEFL. Vert(LL) Vert(CT)	in (loc) -0.12 11-14 -0.28 11-14	200000000000000000000000000000000000000	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code FBC2020/TI	YES PI2014	WB Matri	0.19 x-AS	Horz(CT)	0.06 7	n/a	n/a	Weight: 114 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2

WEBS 2x4 SP No.3

REACTIONS.

(size) 2=0-4-0, 7=0-4-0

Max Horz 2=-138(LC 8)

Max Uplift 2=-409(LC 10), 7=-409(LC 10) Max Grav 2=1080(LC 1), 7=1080(LC 1)

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

TOP CHORD 2-3=-1861/712, 3-4=-1636/660, 4-5=-1220/594, 5-6=-1637/660, 6-7=-1861/712

BOT CHORD 2-11=-500/1675, 9-11=-291/1215, 7-9=-500/1674 WEBS 3-11=-361/240, 6-9=-359/240, 4-11=-123/501, 5-9=-123/490

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-9-1, Exterior(2R) 6-9-1 to 17-2-15, Interior(1) 17-2-15 to 23-0-0, Exterior(2E) 23-0-0 to 26-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- 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=409, 7=409,
- 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



6904 Parke East Blvd. Tampa FL 33610

November 17,2021

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

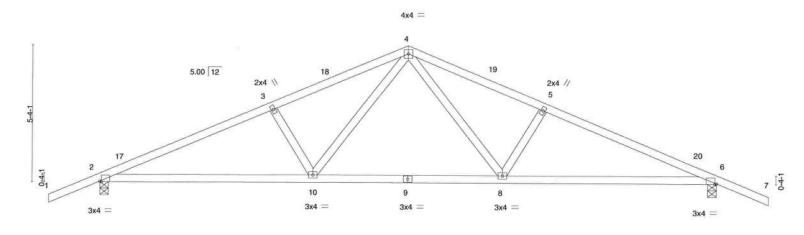
available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type 2920817 Qtv Ply T26001441 2920817 B05 Common Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567. 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:16 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-1NQ?WaiP68dZfQyW6?tYymHltMyzGrkUGIJX28yId2f 12-0-0 24-0-0 6-9-1 2-0-0

Scale = 1:44.9



8-3-11					15-8-5					24-0-0			
8-3-11 Plate Offsets (X,Y) [2:0-0-10,Edge], [6:0-0-10,Edge]						7-4-10					8-3-11		
riate Offse	RS (A, T)	[2:0-0-10,Edge], [6:0-0-10	u,Eagej			_							
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	0.38	Vert(LL)	-0.11 10	AUG (AUG 1997)	>999	240	MT20	244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.26 10)-13	>999	180			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.23	Horz(CT)	0.05	6	n/a	n/a			
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	-AS						Weight: 108 lb	FT = 20%	

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS. (size) 2=0-4-0, 6=0-4-0

Max Horz 2=-148(LC 8)

Max Uplift 2=-409(LC 10), 6=-409(LC 10) Max Grav 2=1080(LC 1), 6=1080(LC 1)

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

TOP CHORD 2-3=-1863/796, 3-4=-1676/778, 4-5=-1676/778, 5-6=-1863/796

BOT CHORD 2-10=-570/1665, 8-10=-312/1131, 6-8=-570/1665

WEBS 4-8=-202/609, 5-8=-374/277, 4-10=-202/609, 3-10=-374/277

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 9-0-0, Exterior(2R) 9-0-0 to 15-0-0, Interior(1) 15-0-0 to 23-0-0, Exterior(2E) 23-0-0 to 26-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=409 6=409
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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November 17,2021

neters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design 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, eraction and bracing of trusses and truss systems, see

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



Job Truss Truss Type Qty Ply 2920817 T26001442 2920817 BGR Common Girder 2 Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:18 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-zmYlxGjfeltHvj6uDQv01BM?0AfJkaGmk3oe61yld2d 4-4-0 8-2-10 16-4-0 4-4-0 3-10-9 4-0-0 Scale = 1:32 5 4x4 = 5.00 12 2 5x8 = 5x8 = 3 5-4-1 2x4 // 11 12 13 14 3x6 3x10 7x8 7x8 = 4-4-0 10-10-11 16-4-0 4-4-0 6-6-11 Plate Offsets (X,Y)--[5:0-10-1,0-0-9], [6:0-3-8,0-4-12], [7:0-2-12,0-4-12] LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP in (loc) TCLL 20.0 Plate Grip DOL 1.25 TC 0.72 Vert(LL) 0.17 6-7 >999 240 MT20 244/190 TCDL 1.25 10.0 Lumber DOL BC 0.62 Vert(CT) -0.32>605 180 6-7 BCLL 0.0 Rep Stress Incr NO WB 0.93 Horz(CT) 0.04 5 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-MSH Weight: 203 lb FT = 20% LUMBER-BRACING-TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No 2 **BOT CHORD** 2x6 SP M 26

2x4 SP No.3 *Except* WERS

3-6: 2x4 SP No.2, 1-8: 2x6 SP No.2

Structural wood sheathing directly applied or 2-11-12 oc purlins,

except end verticals

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

REACTIONS. (size) 5=0-4-0, 8=0-4-0

Max Horz 8=-141(LC 25) Max Uplift 5=-1948(LC 8), 8=-1642(LC 8) Max Grav 5=6221(LC 1), 8=5151(LC 1)

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

TOP CHORD 1-2=-4293/1381, 2-3=-4291/1385, 3-4=-10780/3396, 4-5=-10955/3448, 1-8=-4798/1551

BOT CHORD 6-7=-1942/6417, 5-6=-3146/10112 WEBS

2-7=-929/3078, 3-7=-3301/1123, 3-6=-1730/5603, 4-6=-267/171, 1-7=-1533/4901

NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-7-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) 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.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 6) 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.
- 8) Bearing at joint(s) 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 5=1948, 8=1642,
- 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1260 lb down and 410 lb up at 2-0-12, 1260 lb down and 410 lb up at 4-0-12, 1260 lb down and 410 lb up at 6-0-12, 1260 lb down and 410 lb up at 8-0-12, 1260 lb down and 410 lb up at 10-0-12, 1260 lb down and 410 lb up at 12-0-12, and 1260 lb down and 410 lb up at 14-0-12, and 1267 Ib down and 403 lb up at 16-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



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

November 17,2021

LOAD CASE(S) Standard

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ANSITPIT Quality Criteria, DSB-89 and BCSI Building Co. Safety Information**

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Co. Safety Information**

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Co. Safety Information** ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component

6904 Parke East Blvd

Tampa, FL 36610

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Job Truss	Truss Type	Qty	Ply	2920817	
2920817 BGR	Common Girder	1	2	Job Reference (optional)	T26001442
Builders FirstSource (Plant City, FL),	Plant City, FL - 33567,	8	3.430 s Aug	16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:18 20	21 Page 2

Plant City, FL - 33567,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:18 2021 Page 2 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-zmYlxGjfeltHvj6uDQv01BM?0AfJkaGmk3oe61yld2d

LOAD CASE(S) Standard

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

Vert: 1-2=-60, 2-5=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 5=-1267(B) 7=-1260(B) 11=-1260(B) 12=-1260(B) 13=-1260(B) 14=-1260(B) 15=-1260(B) 16=-1260(B)

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Job Truss Truss Type Qty Ply 2920817 T26001443 2920817 CJ1 Jack-Open Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:19 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-Ry688ckHP3?8Wth5n7QFaPvFiZ8OTF5wzjYBfTyId2c 2-0-0 2-0-0 1-0-0 Scale = 1:8.2 5.00 12 0-9-1 0-9-1 0-4-10 0-4-1 3x4 =

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	7	>999	180	UNION COLOR	(C25 (1) W(1) (25 (2) 1)
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MP	NEWSON ASSESSED.				10.70.000	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=0-4-0

Max Horz 2=72(LC 10)

Max Uplift 3=-82(LC 1), 2=-260(LC 10) Max Grav 3=121(LC 10), 2=281(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=260.



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November 17,2021

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

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



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Job Truss Truss Type Qty Ply 2920817 T26001444 2920817 CJ1A 2 Jack-Open Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:19 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-Ry688ckHP3?8Wth5n7QFaPv6nZ6dTF5wzjYBfTyId2c 1-0-0 3-0-0 Scale = 1:10.4 2 5.00 12 0-4-1 4x4 = 1-0-0 Plate Offsets (X,Y)--[2:0-1-2,0-0-4] LOADING (psf) SPACING-2-0-0 CSI. DEFL. L/d **PLATES** GRIP in (loc) l/defl TCLL 20.0 Plate Grip DOL 1.25 TC 0.98 Vert(LL) 0.00 >999 244/190 5 240 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.17 Vert(CT) 0.00 5 >999 180 BCLL 0.0 Rep Stress Incr WB YES 0.00 0.00

LUMBER-

BCDL

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

10.0

BRACING-

Horz(CT)

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

Weight: 8 lb

FT = 20%

n/a

n/a

REACTIONS.

(size) 3=Mechanical, 2=0-6-0, 4=Mechanical

Code FBC2020/TPI2014

Max Horz 2=100(LC 10)

Max Uplift 3=-90(LC 1), 2=-490(LC 10), 4=-144(LC 1) Max Grav 3=115(LC 10), 2=493(LC 1), 4=178(LC 10)

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

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 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

Matrix-MP

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- 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) 3 except (jt=lb) 2=490, 4=144.



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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



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Job Truss Truss Type Qty 2920817 T26001445 CJ3 2920817 Jack-Open Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:20 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-v9gWMylvAM7?81GHLrxU6cSQSzTlCiL3BNHlBwyld2b 3-0-0 2-0-0 Scale = 1:12.4 0-4-7 5.00 12 1-7-1 1-2-10 2 0-4-1 3x4 3-0-0 3-0-0 LOADING (psf) SPACING-2-0-0 CSI DEFL. in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.41 Vert(LL) -0.01 4-7 >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.11 Vert(CT) -0.01>999 180 4-7 0.0 BCLL Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-MP Weight: 13 lb FT = 20%

LUMBER-

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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 3-0-0 oc purlins.

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

REACTIONS.

(size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=107(LC 10)

Max Uplift 3=-24(LC 10), 2=-185(LC 10) Max Grav 3=58(LC 15), 2=278(LC 1), 4=46(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=185.



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ameters 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

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

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



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Job Truss Truss Type 2920817 Qty Ply T26001446 2920817 СЈЗА Jack-Open Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:21 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-NLDuZIIYxgFsmBqTuYTjfq_SHNmEx9bDQ11IjMyId2a -3-0-0 3-0-0 Scale = 1:14.5 5.00 12 2 0-4-1 4x4 3-0-0 3-0-0 Plate Offsets (X,Y)--[2:0-0-6, Edge] LOADING (psf) SPACING-CSI. 2-0-0 DEFI in (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.98 Vert(LL) 0.01 4-7 >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.22 Vert(CT) 0.01 4-7 >999 180 BCII 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 n/a n/a Code FBC2020/TPI2014

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

BCDL

TOP CHORD 2x4 SP No.2

10.0

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

(size) 3=Mechanical, 2=0-6-0, 4=Mechanical

Max Horz 2=135(LC 10)

Max Uplift 3=-26(LC 7), 2=-346(LC 10), 4=-28(LC 15) Max Grav 3=32(LC 1), 2=389(LC 1), 4=37(LC 3)

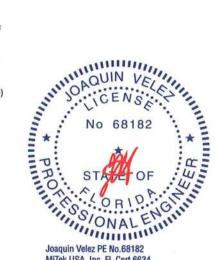
FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 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

Matrix-MP

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) 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.
- 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) 3, 4 except (jt=lb)



Weight: 14 lb

Structural wood sheathing directly applied.

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

FT = 20%

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November 17,2021

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE. Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design 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

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Job Truss Truss Type Qty Ply 2920817 T26001447 2920817 СЈЗВ Jack-Open Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:22 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567, ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-sXnGnemAh_NjNLPgSG_yB1Xodn9EgcqMfhmsFoyId2Z 4-0-0 4-0-0 Scale = 1:19.2 5.00 12 1-7-12 0-3-13

REQUIRED

								3-0-0		
LOADIN	G (psf)	SPACING- 2-0-	csi.		DEFL.	in	(loc)	l/defl	L/d	PLATES
TCLL	20.0	Plate Grip DOL 1.29	5 TC	0.30	Vert(LL)	-0.00	4-7	>999	240	MT20
TCDL	10.0	Lumber DOL 1.25	5 BC	0.04	Vert(CT)	-0.00	4-7	>999	180	570500000
BCLL	0.0	Rep Stress Incr YES	S WB	0.00	Horz(CT)	-0.00	1	n/a	n/a	
BCDL	10.0	Code FBC2020/TPI2014	Matrix	x-MP	BALLESS MARKET		977	10000000	12/7/2010	Weight: 1

LUMBER-

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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 3-0-0 oc purlins.

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

3-0-0

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-0.

Max Horz 2=123(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 3, 2

All reactions 250 lb or less at joint(s) 1, 3, 4 except 2=379(LC 1)

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

ADFOLIATE

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 2.



GRIP 244/190

FT = 20%

16 lb

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November 17,2021

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Design valid for use only with MITE(NE) 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

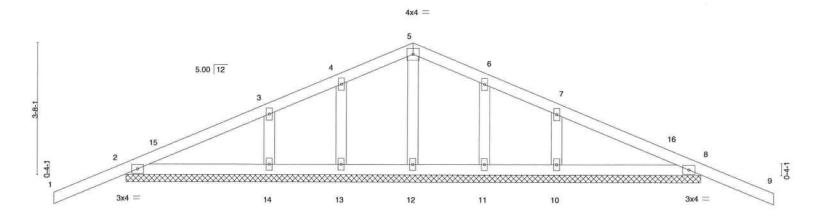
ANSI/TPII Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type Qty Ply 2920817 T26001448 2920817 D01GE Common Supported Gable Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:23 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-KkLe_noSHVa?U_s0zVCkF4yIBUUP22WtLWPoEyId2Y -2-0-0 16-0-0 18-0-0 8-0-0 2-0-0 8-0-0

Scale: 3/8"=1"



	16-0-0 16-0-0											
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.02	9	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.03	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-S	1.0300-000000					Weight: 72 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

REACTIONS. All bearings 16-0-0.

(lb) -Max Horz 2=-106(LC 8)

Max Uplift All uplift 100 lb or less at joint(s) 13, 14, 11, 10 except 2=-204(LC 10), 8=-204(LC 10)

All reactions 250 lb or less at joint(s) 12, 13, 11 except 2=294(LC 1), 8=294(LC 1), 14=265(LC 15), Max Grav 10=265(LC 16)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 5-0-0, Corner(3R) 5-0-0 to 11-0-0, Exterior(2N) 11-0-0 to 15-0-0, Corner(3E) 15-0-0 to 18-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 14, 11, 10 except (it=lb) 2=204, 8=204.
- 11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8.



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November 17,2021

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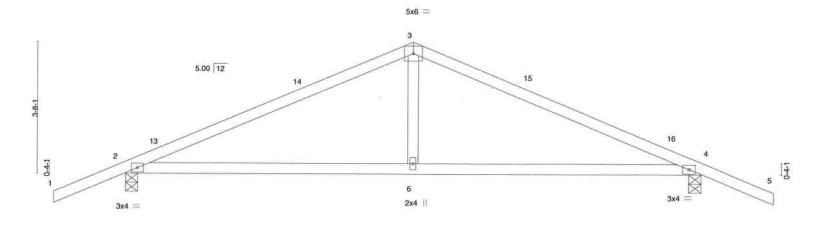
ANSI/TPIT Quality Criteria, DSB-89 and BCSI Building Collaboration available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20501

6904 Parke East Blvd

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Job Truss Truss Type Qty Ply 2920817 T26001449 2920817 D02 Common Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:24 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-owv1CKoQDbdRdeZ2ah0RHSc32ahL8UCf6?FyKhyld2X Builders FirstSource (Plant City, FL), Plant City, FL - 33567, -2-0-0 16-0-0 18-0-0 2-0-0 8-0-0

Scale: 3/8"=1"



8-0-0 8-0-0						16-0-0 8-0-0					-	
LOADING TCLL TCDL	(psf) 20.0 10.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.25 1.25	CSI. TC BC	0.62	DEFL. Vert(LL)	in -0.10	(loc) 6-9	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 *	Rep Stress Incr Code FBC2020/TI	YES	WB	0.64 0.14 x-AS	Vert(CT) Horz(CT)	-0.20 0.02	6-9 4	>951 n/a	180 n/a	Weight: 61 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

2x4 SP No.3 WEBS

REACTIONS. (size) 2=0-4-0, 4=0-4-0

Max Horz 2=-106(LC 8)

Max Uplift 2=-311(LC 10), 4=-311(LC 10) Max Grav 2=760(LC 1), 4=760(LC 1)

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

TOP CHORD 2-3=-1003/555, 3-4=-1003/555 2-6=-307/856, 4-6=-307/856 **BOT CHORD**

WEBS 3-6=0/359

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 5-0-0, Exterior(2R) 5-0-0 to 11-0-0, Interior(1) 11-0-0 to 15-0-0, Exterior(2E) 15-0-0 to 18-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=311, 4=311.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

🛦 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSITPIT Quality Criteria, DSB-89 and BCSI Building Co. Safety Information

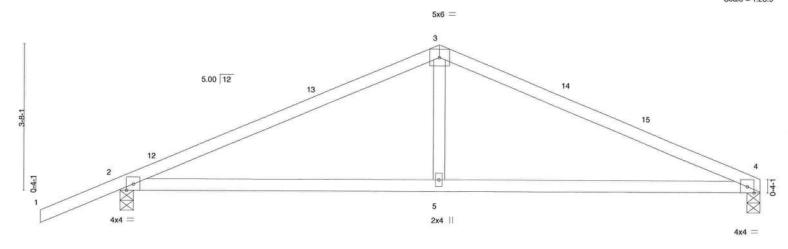
available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601 ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component



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Joh Truss Truss Type 2920817 Qty Ply T26001450 2920817 D03 Common Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:25 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-G6TPPfp2_vIIEo8E7OXgpg9Dq_1NtxQoLf?Ws7yId2W 16-0-0 2-0-0 8-0-0 8-0-0

Scale = 1:28.9



8-0-0 8-0-0							16-0-0 8-0-0					
LOADING TCLL	20.0	SPACING- Plate Grip DOL	2-0-0 1.25	CSI.	0.68	DEFL. Vert(LL)	in 0.13	(loc) 5-8	l/defl >999	L/d 240	PLATES MT20	GRIP 244/190
TCDL BCLL	10.0	Lumber DOL Rep Stress Incr	1.25 YES	BC WB	0.66 0.14	Vert(CT) Horz(CT)	-0.24 0.02	5-8 4	>796 n/a	180 n/a	1 0220775025474	
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS						Weight: 58 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.3

(size) 4=0-4-0, 2=0-4-0

Max Horz 2=104(LC 9)

Max Uplift 4=-188(LC 10), 2=-320(LC 10) Max Grav 4=632(LC 1), 2=767(LC 1)

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

TOP CHORD 2-3=-1030/609, 3-4=-1010/602 BOT CHORD 2-5=-433/881, 4-5=-433/881

WEBS 3-5=0/363

NOTES-

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 5-0-0, Exterior(2R) 5-0-0 to 11-0-0, Interior(1) 11-0-0 to 13-0-0, Exterior(2E) 13-0-0 to 16-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 4=188, 2=320.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. \$/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
ANSUTPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type Qty Ply 2920817 T26001451 2920817 D04GE Common Supported Gable Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:26 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567, ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-kJ1nc?pglCt8syjRh62vMtiTYOWycPGyaJk3OZyId2V 2-0-0 8-0-0 16-0-0 2-0-0 8-0-0 8-0-0

Scale = 1:29 8

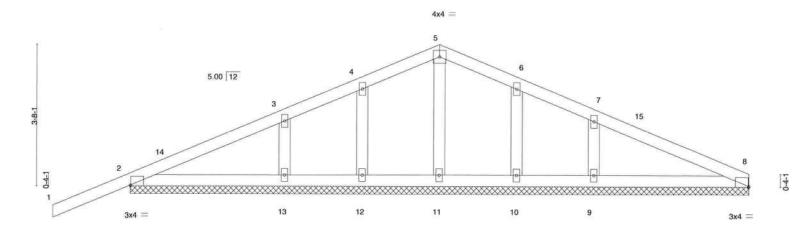


Plate Off	late Offsets (X,Y) [2:0-0-2,Edge], [8:0-0-2,Edge]											
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.00	1	n/r	180	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	-0.01	1	n/r	120	1010.0000	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-S	11.000000000000000000000000000000000000					Weight: 69 lb	FT = 20%

LUMBER-

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

2x4 SP No.3 **OTHERS**

BRACING-

16-0-0

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 16-0-0.

(lb) -Max Horz 2=104(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 8, 12, 13, 10 except 2=-195(LC 10), 9=-131(LC 10)

Max Grav All reactions 250 lb or less at joint(s) 8, 11, 12, 10 except 2=294(LC 1), 13=265(LC 15), 9=326(LC 1)

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

WEBS

7-9=-234/338

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 5-0-0, Corner(3R) 5-0-0 to 11-0-0, Exterior(2N) 11-0-0 to 13-0-0, Corner(3E) 13-0-0 to 16-0-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 12, 13, 10 except (jt=lb) 2=195, 9=131.



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

November 17,2021

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

Design valid for use only with MITE&W 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 proyry damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

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



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IIMRER.	JOGE 1 DOZOZO/1FIZO	IVIGILIA-AS	BBACING.			weight. 19 lb	FT = 2076
OADING (psf) CLL 20.0 CDL 10.0 CLL 0.0 * CDL 10.0	Plate Grip DOL Lumber DOL	-0-0 CSI. 1.25 TC 0.39 1.25 BC 0.24 YES WB 0.00 114 Matrix-AS	DEFL. Vert(LL) -0. Vert(CT) -0. Horz(CT) 0.	06 4-7	Vdefl L/d >999 240 >999 180 n/a n/a	PLATES MT20 Weight: 19 lb	GRIP 244/190 FT = 20%
		1	5-0- 5-0-				
.0-4-1,	1	3x4 =	0 12			4	2-6-10 2-5-1
	2-0-0		5-0	-0		3	Scale = 1:1
anders FirstSource (Fix	-2-0-0	L - 33307,	ID:UgQxGmVc 5-0	x47rtgJsSa ·0	R3RkyOxOc-CVb9qLqJ	WW??U6ldFpZ8u5Edt	opILt45ozUcx0yld2U
20817 uilders FirstSource (Pla	EJ5 ant City, FL), Plant City, F	Jack-Open	6	1 1 20 - 1	Job Reference (option g 16 2021 MiTek Industr		
		Truss Type	Qty	Ply	2920817		T26001

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

TOP CHORD **BOT CHORD**

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

REACTIONS.

(size) 3=Mechanical, 2=0-4-0, 4=Mechanical

Max Horz 2=143(LC 10)

Max Uplift 3=-69(LC 10), 2=-184(LC 10) Max Grav 3=120(LC 1), 2=342(LC 1), 4=86(LC 3)

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

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 2=184.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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November 17,2021

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

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Job Truss Truss Type Qty Ply 2920817 T26001453 2920817 EJ5A Jack-Open 6 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:28 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567, ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-gh9X1hrxHq7s5GtppW5NRIngPC8U4KJF1dDATSyId2T -3-0-0 3-0-0 1-0-0 Scale = 1:19.7 3x4 || 3 5.00 12 2-5-1 2-0-10 0-4-1 2x4 || 5-0-0 Plate Offsets (X,Y)-- [2:0-0-2,Edge], [3:0-3-0,0-0-8] 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 0.92 Vert(LL) 0.05 5-8 >999 240 244/190 MT20 TCDL 10.0 1.25 BC Lumber DOL 0.31 Vert(CT) 0.05 >999 180 5-8 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-AS

LUMBER-

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

2x4 SP No.3 WERS

BRACING-

TOP CHORD **BOT CHORD**

Structural wood sheathing directly applied, except end verticals.

Weight: 23 lb

FT = 20%

Rigid ceiling directly applied.

REACTIONS.

(size) 2=0-6-0, 3=Mechanical, 5=Mechanical

Max Horz 2=166(LC 10)

Max Uplift 2=-350(LC 10), 3=-58(LC 10), 5=-40(LC 7) Max Grav 2=425(LC 1), 3=97(LC 1), 5=88(LC 3)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -3-0-0 to 0-0-0, Interior(1) 0-0-0 to 0-5-9, Exterior(2R) 0-5-9 to 4-8-8 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 5 except (jt=lb) 2=350.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 8) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.



6904 Parke East Blvd. Tampa FL 33610 Date:

November 17,2021

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ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component

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



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Job Truss Truss Type Qty Ply 2920817 T26001454 2920817 EJ5B Jack-Open 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:29 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567, ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-8uivF1sZ27FjjPS0MEcczWKzobWipnZOGHzj?uyld2S -4-0-0 4-0-0 Scale = 1:23.2 5.00 12 2-5-1 2-0-10 3x4 = 1-7-12 0-3-13 **ADEQUATE** REQUIRED 5-0-0 5-0-0 [2:0-1-6,0-0-0] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 CSI. DEFL. (loc) I/defl L/d **PLATES** GRIP in TCLL 20.0 Plate Grip DOL 1.25 TC 0.37 Vert(LL) -0.02 4-7 >999 240 244/190 MT20 TCDL 10.0 1.25 Lumber DOL BC 0.18 Vert(CT) -0.044-7 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 -0.00 Horz(CT) 3 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-AS FT = 20% Weight: 22 lb

LUMBER-

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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied.

Rigid ceiling directly applied.

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-0.

Max Horz 2=159(LC 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 1, 3 except 2=-103(LC 10) Max Grav All reactions 250 lb or less at joint(s) 1, 3, 4 except 2=464(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -3-11-4 to -0-11-4, Interior(1) -0-11-4 to 0-7-13, Exterior(2R) 0-7-13 to 4-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3 except (jt=lb) 2=103
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

MARNING - 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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ANSUTPH Quality Criteria, DSB-89 and BCSI Building Component Setup 1991. The Plata Institute 2670 Crain Highway. Suite 293 Waldod, MD 26601. Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Qty Job Truss Truss Type Plv 2920817 T26001455 2920817 HJ5 Diagonal Hip Girder 2 Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:30 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-d4GISNsBpRNaLZ0Cwx7rWjs4g?p?YBfXVxiHXLyId2R -2-9-15 3-6-2

3-6-2

Scale = 1:18.9

3-6-0

7-0-2

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

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

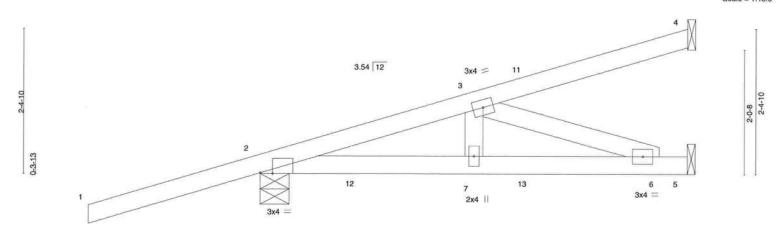


Plate Off	sets (X,Y) [2:0-2-6,Edge]								3-0-0		
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	Vert(LL)	-0.04	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.37	Vert(CT)	-0.04	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MP	170.1000/01.1 AC. 401MI					Weight: 31 lb	FT = 20%

BRACING-TOP CHORD

BOT CHORD

3-6-2

LUMBER-

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

BOT CHORD 2x4 SP No.2

REACTIONS.

(size) 4=Mechanical, 2=0-5-11, 5=Mechanical

2-9-15

Max Horz 2=143(LC 8)

Max Uplift 4=-58(LC 8), 2=-324(LC 8), 5=-22(LC 5) Max Grav 4=98(LC 17), 2=525(LC 28), 5=200(LC 28)

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

TOP CHORD 2-3=-594/87

BOT CHORD 2-7=-125/557, 6-7=-125/557

WEBS 3-6=-589/132

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
 to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5 except (jt=lb) 2=324.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 85 lb down and 38 lb up at 4-4-12, and 85 lb down and 38 lb up at 4-4-12 on top chord, and 117 lb down and 110 lb up at 1-6-12, 117 lb down and 110 lb up at 1-6-12, and 26 lb down and 2 lb up at 4-4-12, and 26 lb down and 2 lb up at 4-4-12 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=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 12=98(F=49, B=49) 13=3(F=2, B=2)



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

November 17,2021

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Job Truss Truss Type Qty Ply 2920817 T26001456 2920817 HJ5A Diagonal Hip Girder Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:31 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567, ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-5GqggjtpalVRyjbOUfe43xPFJP5pHeFhjbSq4nyId2Q -4-2-15 4-2-15 3-5-11 Scale = 1:22.2 3x4 = 3.54 12 12 2-4-10 2-0-8 13 14 6 7 1-2-10 3x4 = 2x4 || 0-3-10 ADEQUATE SUPPORT 3-5-11 6-11-6 3-5-11 [2:0-1-12,0-0-0] Plate Offsets (X,Y)--LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) **V**defI L/d PLATES GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.62 Vert(LL) -0.06 7-10 >999 240 MT20 244/190

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

0.05 7-10

0.01

180

n/a

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

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

>999

n/a

5

LUMBER-

TCDL

BCLL

BCDL

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

10.0

10.0

0.0

2x4 SP No.3 WERS

REACTIONS. 1=Mechanical, 4=Mechanical, 2=0-8-2, 5=Mechanical

1.25

NO

Max Horz 1=-519(LC 17), 2=519(LC 17)

Lumber DOL

Rep Stress Incr

Code FBC2020/TPI2014

Max Uplift 4=-54(LC 8), 2=-346(LC 8), 5=-120(LC 8) Max Grav 4=109(LC 17), 2=880(LC 28), 5=242(LC 29)

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

TOP CHORD 1-2=-227/593, 2-3=-832/366 **BOT CHORD** 2-7=-406/730, 6-7=-406/730 WEBS 3-7=-182/261, 3-6=-774/431

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional); Lumber DOL=1.60 plate grip DOL=1.60

BC

WB

Matrix-MP

0.59

0.18

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- 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) 4 except (jt=lb) 2=346, 5=120
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 170 lb down and 175 lb up at 1-6-1, 170 lb down and 175 lb up at 1-6-1, and 86 lb down and 36 lb up at 4-4-0, and 86 lb down and 36 lb up at 4-4-0 on top chord and 168 lb down and 172 lb up at 1-6-1, 168 lb down and 172 lb up at 1-6-1, and 9 lb down and 42 lb up at 4-4-0, and 9 lb down and 42 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Vert: 1-9=-81, 4-9=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 11=112(F=56, B=56) 13=144(F=72, B=72)



Weight: 33 lb

FT = 20%

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

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Job Truss Truss Type 2920817 Qty Ply T26001457 2920817 J8AGE Jack-Partial Structural Gable Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:32 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-ZSO2t3uRL2elatAb2M9Jb8xNupQl07JqyFBNcDyld2P -4-0-0 7-8-0 Scale = 1:30.3 2x4 || 3 2x4 || 5.00 12 2x4 || 11 12 2x4 || 2x4 || 4 1-7-12 4x4 2x4 || 0-3-13 **ADEQUATE** SUPPORT REQUIRED 7-8-0 7-8-0 LOADING (psf) SPACING-2-0-0 CSI DEFL. GRIP (loc) I/defI 1/d **PLATES** TCLL 20.0 Plate Grip DOL 1.25 TC 0.82 Vert(LL) 0.21 4-10 >421 240 MT20 244/190 TCDL 10.0 Lumber DOL BC 1.25 0.67 Vert(CT) 0.19 4-10 >474 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-AS Weight: 46 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

REACTIONS.

(size) 1=Mechanical, 4=Mechanical, 2=0-6-0

Max Horz 2=271(LC 10)

Max Uplift 1=-87(LC 10), 4=-215(LC 10), 2=-352(LC 10) Max Grav 1=114(LC 15), 4=273(LC 1), 2=568(LC 1)

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

TOP CHORD 3-4=-172/343

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ff; B=45ff; L=24ff; eave=4ff; Cat. II; Exp D; Encl., GCpi=0.18; Gable Roof; End Jack Truss; MWFRS (directional) and C-C Exterior(2E) -3-11-4 to -0-11-4, Interior(1) -0-11-4 to 3-3-5, Exterior(2R) 3-3-5 to 7-6-4 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) 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.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Gable studs spaced at 2-0-0 oc.
- 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.
- 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) 1 except (jt=lb) 4=215, 2=352.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

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

November 17,2021

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Job Truss Truss Type 2920817 Qty Ply T26001458 2920817 J8B Jack-Partial Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:32 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-ZSO2t3uRL2elatAb2M9Jb8xOEpMO04BqyFBNcDyId2P 5-1-8 7-8-0 4-0-0 Scale = 1:28.4 (3)- 0.131x3.5" **TOENAILS** 2x4 3 5.00 12 11 3x8 = 4x4 0-3-13 ADEQUATE SUPPORT 7-8-0 7-8-0 Plate Offsets (X,Y)--[2:0-2-10,0-1-8] LOADING (psf) SPACING-2-0-0 CSI. DEFL. 1/d PLATES GRIP in (loc) I/defl 20.0 Plate Grip DOL TCLL 1.25 0.74 244/190 TC Vert(LL) 0.35 6-9 >257 240 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.95 Vert(CT) 0.31 6-9 >297 180 BCLL 0.0 WB Rep Stress Incr YES 0.20 Horz(CT) -0.00 5 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-AS Weight: 35 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

Structural wood sheathing directly applied.

Rigid ceiling directly applied.

LUMBER-

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

WEBS 2x4 SP No.3

REACTIONS.

(size) 1=Mechanical, 2=0-6-0, 5=Mechanical

Max Horz 2=292(LC 10)

Max Uplift 1=-90(LC 10), 2=-342(LC 10), 5=-281(LC 10) Max Grav 1=123(LC 15), 2=561(LC 1), 5=280(LC 1)

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

TOP CHORD 2-3=-300/275 BOT CHORD 2-6=-496/259 WEBS 3-6=-351/672

NOTES

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -3-11-4 to -0-11-4, Interior(1) -0-11-4 to 3-5-1, Exterior(2R) 3-5-1 to 7-8-0 zone; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1 except (jt=lb) 2=342 5=281
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

November 17,2021

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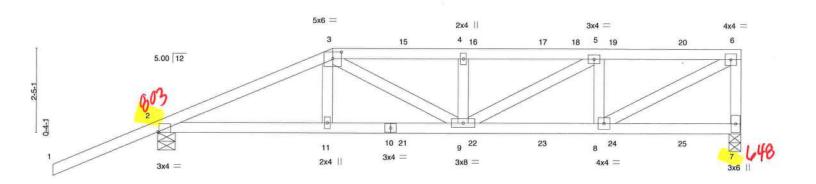
ANSITPIT Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type 2920817 Qty Ply T26001459 K01H5 2920817 Half Hip Girder Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:34 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-VrWolkvitgu0pBKz9nBngZ1kFc8gTvG7PYgUh6yld2N 8-8-15 12-7-9 16-8-0 3-0-0 8-8-15

Scale = 1:33.0



			5-0-0			8-8-15 3-8-15	+	- 1	12-7-9 3-10-11		16-8-0 4-0-7	
Plate Offse	ets (X,Y)	[2:0-0-6,Edge], [3:0-3-0,0	-2-4]									
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	Vert(LL)	0.12	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(CT)	-0.12	9-11	>999	180	0.0000000000000000000000000000000000000	
BCLL	0.0	Rep Stress Incr	NO	WB	0.55	Horz(CT)	-0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-MSH					131701745	Weight: 84 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2

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

WEBS
REACTIONS.

(size) 7=0-4-0, 2=0-6-0

Max Horz 2=172(LC 8)

Max Uplift 7=-648(LC 5), 2=-803(LC 8) Max Grav 7=876(LC 1), 2=1044(LC 1)

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

TOP CHORD 2-3=-1636/1184, 3-4=-1754/1301, 4-5=-1754/1301, 5-6=-1296/960, 6-7=-821/594

BOT CHORD 2-11=-1114/1455, 9-11=-1100/1444, 8-9=-960/1296

WEBS 3-11=-196/286, 6-8=-1065/1437, 3-9=-265/391, 5-8=-572/385, 4-9=-306/184,

-9=-389/522

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=648, 2=803.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 80 lb up at 5-0-0, 56 lb down and 76 lb up at 7-0-12, 56 lb down and 76 lb up at 11-0-12, and 56 lb down and 76 lb up at 13-0-12, and 56 lb down and 76 lb up at 15-0-12 on top chord, and 294 lb down and 108 lb up at 5-0-0, 48 lb down and 31 lb up at 7-0-12, 48 lb down and 31 lb up at 7-0-12, 48 lb down and 31 lb up at 11-0-12, and 48 lb down and 31 lb up at 13-0-12, and 48 lb down and 31 lb up at 15-0-12 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

Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (olf)

Vert: 1-3=-60, 3-6=-60, 7-12=-20



Structural wood sheathing directly applied or 4-2-13 oc purlins,

Rigid ceiling directly applied or 5-6-14 oc bracing.

except end verticals.

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

November 17,2021

Continued on page 2

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



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Job Truss Truss Type Qty Ply 2920817 T26001459 2920817 K01H5 Half Hip Girder Job Reference (optional) Builders FirstSource (Plant City, FL),

Plant City, FL - 33567,

8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:34 2021 Page 2 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-VrWolkvitgu0pBKz9nBngZ1kFc8gTvG7PYgUh6yld2N

LOAD CASE(S) Standard Concentrated Loads (lb)

Vert: 11=-93(F) 3=-37(F) 15=-37(F) 16=-37(F) 17=-37(F) 19=-37(F) 20=-37(F) 21=-21(F) 22=-21(F) 23=-21(F) 24=-21(F) 25=-21(F)



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Job Truss Truss Type Qty Ply 2920817 T26001460 2920817 K02 Half Hip Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:35 2021 Page 1 ID:UgQxGmVcx47rlgJsSaR3RkyOxOc-z14BV4wKez0tRLv9jUj0DnZuw0MlCNXHeCQ2DYyld2M 3-0-0 16-8-0 5-0-12

Scale = 1:32 9

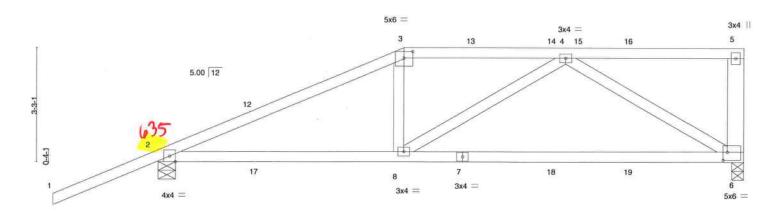


Plate Offs	7-0-0 9-8-0 ate Offsets (X,Y) [3:0-3-0,0-2-4], [6:0-1-8,0-2-12]											
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L∕d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.55	6-8	>362	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.97	Vert(CT)	0.46	6-8	>428	180	HISTORIAN TO CO	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	-0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS	ACOUNTAIN TOUR					Weight: 81 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

16-8-0

Rigid ceiling directly applied.

Structural wood sheathing directly applied, except end verticals.

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 *Except*

6-7: 2x4 SP No.1 2x4 SP No.3 *Except*

WEBS

5-6: 2x6 SP No.2

REACTIONS. (size) 2=0-6-0, 6=0-4-0

Max Horz 2=208(LC 10)

Max Uplift 2=-635(LC 10), 6=-463(LC 7) Max Grav 2=854(LC 1), 6=641(LC 1)

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

TOP CHORD 2-3=-1083/1798, 3-4=-926/1710

BOT CHORD 2-8=-1729/929, 6-8=-1137/732

WEBS 3-8=-389/202, 4-8=-675/305, 4-6=-778/1107

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -3-0-0 to 0-0-0, Interior(1) 0-0-0 to 2-9-1, Exterior(2R) 2-9-1 to 11-2-15, Interior(1) 11-2-15 to 13-5-4, Exterior(2E) 13-5-4 to 16-5-4 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

7-0-0

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=635, 6=463
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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November 17,2021

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ANSITPIT Quality Criteria, DSB-89 and BCSI Building Co. Safety Information

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Job Truss Truss Type Qty 2920817 Ply T26001461 K03 2920817 Half Hip Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:36 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-REdZjQxyOH8k3UUMHCEFm_63fQjAxrJQts9bl_yld2L 9-0-0 16-8-0 3-0-0 9-0-0

Scale = 1:32.7

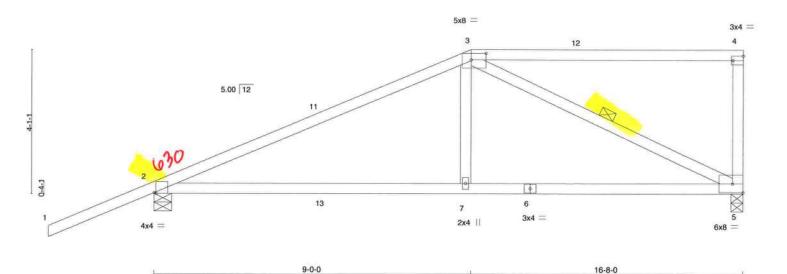


Plate Off	sets (X,Y)	[2:0-0-10,Edge], [3:0-5-0,	0-2-4], [4:Edge	9,0-1-8]								
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.40	7-10	>501	240	MT20	244/190
CDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	0.32	7-10	>624	180	475000000000000000000000000000000000000	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS					and the same of th	Weight: 78 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

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

WEBS 2x4 SP No.3 *Except*

4-5: 2x4 SP No.2

REACTIONS. (size) 2=0-6-0, 5=0-4-0

Max Horz 2=244(LC 10)

Max Uplift 2=-630(LC 10), 5=-461(LC 7)

Max Grav 2=857(LC 1), 5=644(LC 1)

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

TOP CHORD 2-3=-959/1476

BOT CHORD 2-7=-1466/800, 5-7=-1436/793 WEBS 3-7=-769/371, 3-5=-832/1503

NOTES-

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -3-0-0 to 0-0-0, Interior(1) 0-0-0 to 4-9-1, Exterior(2R) 4-9-1 to 13-6-4, Exterior(2E) 13-6-4 to 16-6-4 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=630, 5=461.
- 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



7-8-0

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

1 Row at midpt

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

November 17,2021

WARNING - Verily 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 MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design 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

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



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ob	Truss	Truss Type	Qty	Ply	2920817	T26001462
920817	VT3	Valley	1	1	LL Date	120001102
Builders FirstSour	ce (Plant City, FL), Plant	City, FL - 33567,	ID:UgQxGmV 3-0-0 3-0-0	8.430 s Aug cx47rtgJsSa	Job Reference (optional) 16 2021 MiTek Industries, Inc. Tue No R3RkyOxOc-K?t4Yo_SSVe9X6n7W2II	ov 16 11:35:40 2021 Page 1 BwqHwD1Httll0oU7pulyId2H
					2	Scale = 1:9.0
			5.00 12		2x4	
				/		
	1-3-0					
	4-0-0					
	3					
					3	
		2x4 ==			2x4	
					Ĩ	

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	0.10	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	2	n/a	999	10000000000000	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-P	11.3139550.48.8500-4					Weight: 9 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

2x4 SP No.3

Max Horz 1=38(LC 10) Max Uplift 1=-18(LC 10), 3=-34(LC 10)

(size) 1=2-11-6, 3=2-11-6

Max Grav 1=84(LC 1), 3=84(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 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) 1, 3.



Structural wood sheathing directly applied or 3-0-0 oc purlins,

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

except end verticals.

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

November 17,2021

🛦 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

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

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



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Job Truss Truss Type Qty Ply 2920817 T26001463 Valley 2920817 VT3A Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:40 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-K?t4Yo_SSVe9X6n7W2IBwqHxu1H9tll0oU7pulyId2H 4-0-0 2-0-0 3x4 = Scale = 1:7.4 5.00 12 3 0-10-0

2x4 =

2x4 <

	1	3-11-6 3-11-6							4 ₇ 0 ₇ 0 0-0-10			
Plate Offs	ets (X,Y)	[2:0-2-0,Edge]		,							_	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	n/a		n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	k-P	3 8					Weight: 10 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.3

(size) 1=3-10-13, 3=3-10-13

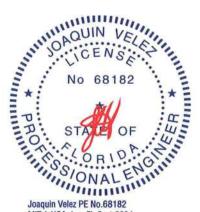
Max Horz 1=13(LC 9)

Max Uplift 1=-31(LC 10), 3=-31(LC 10) Max Grav 1=100(LC 1), 3=100(LC 1)

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 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
 to the use of this truss component.
- 4) 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) 1, 3.



Structural wood sheathing directly applied or 4-0-0 oc purlins.

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

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

November 17,2021

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



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Job Truss Truss Type Qty 2920817 Ply T26001464 2920817 VT3B Valley Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:41 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-oBRSm8?5Dpm09GMJ3lpQT2p5hRd0cCX908tMQCyld2G 2-5-0 Scale = 1:7.8 2 5.00 12 3x4 0-0-4 2x4 = 2x4 || 3-2-8 Plate Offsets (X,Y)--[2:0-2-0,0-2-11] LOADING (psf) SPACING-2-0-0 CSI DEFL. (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.12 Vert(LL) n/a n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.09 Vert(CT) n/a 999 n/a BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) -0.00 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-R Weight: 9 lb FT = 20%LUMBER-BRACING-TOP CHORD

BOT CHORD

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

2x4 SP No.3 WEBS

REACTIONS.

(size) 1=3-1-14, 4=3-1-14

Max Horz 1=31(LC 10)

Max Uplift 1=-24(LC 10), 4=-33(LC 10) Max Grav 1=92(LC 1), 4=92(LC 1)

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

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * 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) 1, 4.



Structural wood sheathing directly applied or 3-2-8 oc purlins,

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

except end verticals.

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

November 17,2021

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ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Co. Safety Information

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



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ob	Truss	Truss Type	Qty	Ply	2920817	+
920817	VT5	Valley	1	1		T26001465
	2000000	500-500-60			Job Reference (optional)	
Builders FirstSour	ce (Plant City, FL), Plan	nt City, FL - 33567,	ID:UgQxGm 5-0-0 5-0-0	8.430 s Aug Vcx47rtgJsS	16 2021 MiTek Industries, Inc. Tue No SaR3RkyOxOc-GO?qzT0j_7utnPxWdTL	v 16 11:35:42 2021 Page 1 f?FMBIrvFLfnJFocvzeyId2F
			5-0-0			
					2x4	Scale = 1:14.2
	-				2	
			5.00 12			
	2-1-0					
	4					
	4-0-0					
					3	
		2x4 =			2x4	

LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defI	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	n/a	-	n/a	999	OMORAL V	COLUCIAL ENTER TO
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri					2.30.500	. 0.71.000	Weight: 16 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 1=4-11-6, 3=4-11-6

Max Horz 1=74(LC 10)

Max Uplift 1=-35(LC 10), 3=-66(LC 10) Max Grav 1=164(LC 1), 3=164(LC 1)

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

NOTES-

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 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) 1, 3.



Structural wood sheathing directly applied or 5-0-0 oc purlins,

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

except end verticals.

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

November 17,2021

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



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lob	Truss	Truss Type	Qty	Ply	2920817	(720-42900 (107-2010))
920817	VT5A	Valley	1	1		T26001466
.920017	VION	valley	1		Job Reference (optional)	
Builders FirstSource	e (Plant City, FL), P	Plant City, FL - 33567,		8.430 s Auc	16 2021 MiTek Industries, Inc. Tue Nov	16 11:35:43 2021 Page 1
			ID:UgQxGmVcx4	7rtgJsSaR3	RkyOxOc-kaZCBp0LlQ0kOZWiBAsuYTvL	nFFt461SUSMTV4yId2E
		-	5-2-8 5-2-8			
			3-2-0			
					2x4	Scale = 1:14.7
					2	
	1					
			5.00 12			
			0.00 12			
	2-2-1					
	à	_				
		1 /				
	4					
	1 4		***************************************	****	***************************************	
		0	***************************************	*******	***************************************	
					3	
		2x4 =			2x4	

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	n/a	70	n/a	999	The section of the se	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-P		10.00000		3,0,965		Weight: 17 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 1=5-1-14, 3=5-1-14 Max Horz 1=78(LC 10)

Max Uplift 1=-37(LC 10), 3=-69(LC 10) Max Grav 1=172(LC 1), 3=172(LC 1)

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

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 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) 1, 3.



Structural wood sheathing directly applied or 5-2-8 oc purlins,

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

except end verticals.

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



		4	*

T00004407	2920817	Ply	Qty	Truss Type		Truss	Job
T26001467		1	1	Valley		VT7	2920817
	Job Reference (optional)					300 500	
ue Nov 16 11:35:44 2021 Page 1 N74gRPWeUPpZHbj6501XyId2D	16 2021 MiTek Industries, Inc. Ti RkyOxOc-Cm6aO91zWk8b0j5ulti	8.430 s Aug 7rtgJsSaR3	GmVcx4	y, FL - 33567, ID:Ug	Plant City, FL	(Plant City, FL),	Builders FirstSource
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Scale = 1:18.5							
Scale = 1.16.5	2x4						
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	3 2x4			2x4 =	2x4		
	50.T 11			T15894.6600			

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	n/a		n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-P	Land France /	(0)(0)(0)(0)				Weight: 24 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 1=6-11-6, 3=6-11-6

Max Horz 1=110(LC 10)

Max Uplift 1=-52(LC 10), 3=-98(LC 10) Max Grav 1=244(LC 1), 3=244(LC 1)

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

TOP CHORD 2-3=-191/304

NOTES-

- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 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) 1, 3.



Structural wood sheathing directly applied or 2-2-0 oc purlins,

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

except end verticals.

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

November 17,2021

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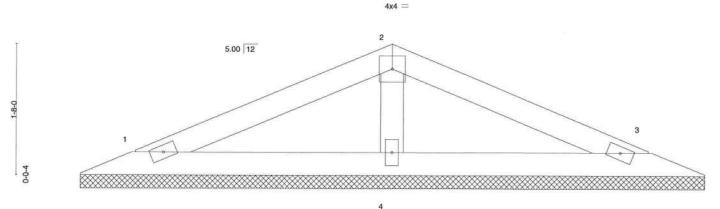
ANSITTPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



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Job Truss Truss Type 2920817 Qty Ply T26001468 2920817 VT7A Valley Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:44 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-Cm6aO91zWk8b0j5ultN74gRZSedtpZHbj6501Xyld2D 4-0-0 8-0-0

Scale = 1:14.6



2x4 = 2x4 ||

	0-0-10 0-0-10	4-	4-0-0 3-11-6							8-0-0 4-0-0		
LOADING TCLL TCDL BCLL	20.0 10.0 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.27 0.20 0.00	DEFL. Vert(LL) Vert(CT) Horz(CT)	in n/a n/a 0.00	(loc) - - 3	I/defl n/a n/a n/a	L/d 999 999 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code FBC2020/T	PI2014	Matri					130,430	3364	Weight: 24 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

OTHERS 2x4 SP No.3

REACTIONS.

(size) 1=7-10-13, 3=7-10-13, 4=7-10-13

Max Horz 1=-35(LC 8)

Max Uplift 1=-100(LC 10), 3=-100(LC 10)

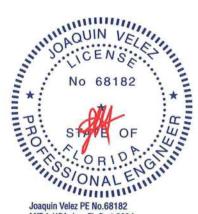
Max Grav 1=219(LC 1), 3=219(LC 1), 4=162(LC 3)

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

TOP CHORD 1-2=-282/338, 2-3=-282/338

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=100, 3=100.



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

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

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

November 17,2021

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Job	Truss	Truss		Qty	Ply	2920817		T26001469
2920817	VT7B	Valley	!	1		1 lob Potoronea (antice	nal\	
Builders FirstSource	(Plant City, FL),	Plant City, FL - 33567,		ID:UgQxGn 7-2-8 7-2-8	8.430 s A Vcx47rtgJs:	SaR3RkyOxOc-gzgzcV2t	ries, Inc. Tue Nov 1	6 11:35:45 2021 Page 1 YL2phY0XlxmrZZzyld2C Scale = 1:18.7
	3-0-1	1						
	4.0				*******		****	
	-	2x4 =				2x4	3 4	
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl L/d	PLATES	GRIP

Vert(LL)

Vert(CT)

Horz(CT)

BRACING-

TOP CHORD

BOT CHORD

n/a

n/a

0.00

n/a

n/a

n/a

999

999

n/a

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

MT20

Structural wood sheathing directly applied, except end verticals.

Weight: 25 lb

244/190

FT = 20%

LUMBER-

REACTIONS.

TCLL

TCDL

BCLL

BCDL

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

20.0

10.0

0.0

10.0

(size) 1=7-1-14, 3=7-1-14

Max Horz 1=113(LC 10)

Max Uplift 1=-54(LC 10), 3=-101(LC 10) Max Grav 1=252(LC 1), 3=252(LC 1)

Plate Grip DOL

Rep Stress Incr

Code FBC2020/TPI2014

Lumber DOL

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-3=-196/311

TOP CHORD

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

TC

BC

WB

0.97

0.87

0.00

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1.25

1.25

YES

- 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) 1 except (jt=lb) 3=101.



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November 17,2021

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lob	Truss	Truss Type	Q	у	Ply	2920817	
2000047	VTO	M-R					T26001470
2920817	VT9	Valley	1		1	Job Reference (optional)	
Builders FirstSource	ce (Plant City, FL),	Plant City, FL - 33567,	ID:UgQxGm 9-2-8 9-2-8	8.4 /cx47rt	I30 s Aug gJsSaR3F	16 2021 MiTek Industries, Inc. Tue Nov RkyOxOc-99ELpr3D2LOJG1FHsIPbA5Xu	16 11:35:46 2021 Page 1 IVSHwHRluAQa76PyId2B
	Ī					2x4	Scale = 1:24.3
			5.00 12				
	3-10-1		2x4 7 2	/			
			6				
	4-0-0	1		*****	******		
		2x4 =	5 2x4			⁴ 2x4	
						i i	

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	0.28	Vert(LL)	n/a		n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	n/a		n/a	999	W. 201125/06/1	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-P	UNION CO. 1000 M					Weight: 34 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD

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

except end verticals.

BOT CHORD

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

REACTIONS.

(size) 1=9-1-14, 4=9-1-14, 5=9-1-14

Max Horz 1=149(LC 10) Max Uplift 4=-44(LC 10), 5=-167(LC 10)

Max Grav 1=139(LC 1), 4=109(LC 1), 5=417(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. WEBS 2-5=-313/439

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 4-9-13, Exterior(2R) 4-9-13 to 9-0-12 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) Gable requires continuous bottom chord bearing.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 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) 4 except (jt=lb) 5=167.



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Job Truss Truss Type 2920817 Qty Ply T26001471 2920817 VT10 Valley Job Reference (optional) Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:37 2021 Page 1 ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-vQBxwmya9aGbge3YqvIUICfHzqBFgN1Z6Wv8HRyId2K 6-0-0 10-4-0 6-0-0 Scale = 1:17.9 4x4 = 2 5.00 12 3x6 || 3 5 2x4 = H 2x4 10-4-0 10-4-0 LOADING (psf) SPACING-CSI. DEFI 2-0-0 in (loc) I/defl L/d PLATES GRIP 20.0 TCLL Plate Grip DOL 0.61 1.25 TC Vert(LL) n/a n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.40 Vert(CT) n/a n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.10 Horz(CT) 0.00 n/a n/a **BCDI** 10.0 Code FBC2020/TPI2014 Matrix-P Weight: 34 lb FT = 20%

LUMBER-

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

(size) 1=10-3-6, 4=10-3-6, 5=10-3-6

Max Horz 1=51(LC 9)

Max Uplift 1=-82(LC 10), 4=-74(LC 10), 5=-76(LC 10) Max Grav 1=199(LC 1), 4=154(LC 1), 5=402(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-5=-283/328

WEBS

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Exterior(2R) 3-9-1 to 7-2-4, Exterior(2E) 7-2-4 to 10-2-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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) 1, 4, 5.



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Job Truss Truss Type Qty 2920817 T26001472 VT12 2920817 Valley Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:38 2021 Page 1 Builders FirstSource (Plant City, FL), Plant City, FL - 33567. ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-OclJ86zCwuORloekOdGjrPBWyEbQPq3jKAeiqtyId2J 12-4-0 8-0-0 Scale = 1:22.8 4x4 = 3 5.00 12 2x4 || 2x4 || 4 2 1-6-5 ⁵ 2x4 || 3x4 = 2x4 || 12-4-0 LOADING (psf) SPACING-2-0-0 CSI DEFL in (loc) I/defI L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.34 Vert(LL) 244/190 n/a 999 MT20 n/a TCDL 10.0 Lumber DOL 1.25 BC 0.14 Vert(CT) n/a 999 n/a BCLL 0.0 Rep Stress Incr YES WB 0.11 Horz(CT) 0.00 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-P Weight: 44 lb FT = 20%LUMBER-BRACING-

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

TOP CHORD **BOT CHORD** Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

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

REACTIONS. All bearings 12-3-6.

(lb) - Max Horz 1=64(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 7=-154(LC 10)

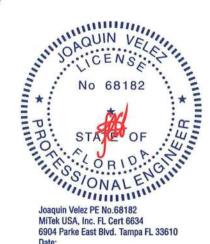
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=314(LC 1), 7=351(LC 1)

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

WEBS 2-7=-274/374

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

- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 4-0-0, Interior(1) 4-0-0 to 5-0-0, Exterior(2R) 5-0-0 to 9-2-4, Exterior(2E) 9-2-4 to 12-2-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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.
- * 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) 1, 5, 6 except (jt=lb) 7=154.



6904 Parke East Blvd. Tampa FL 33610 Date:

November 17,2021

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6904 Parke East Blvd

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T26001473 T260	Job	Truss	Truss Type	Qty	Ply	2920817	
Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 10-0-0 10	2020017	VITTA	Matter				T26001473
Builders FirstSource (Plant City, FL). Plant City, FL - 33567. 10-0-0	2920817	V114	valley	1			al)
10-0-0 11-4-0 4x4 = Scale = 1:27.7 4x4 = Scale = 1:27.7 5	Builders FirstSource (F	Plant City, FL), Plant C	ity, FL - 33567,		8.430 s Au	g 16 2021 MiTek Industri	ies, Inc. Tue Nov 16 11:35:39 2021 Page 1
10-0-0 4.4-0 Scale = 1:27.3 4x4 = Scale = 1:27.3 3			10-0-0	ID:UgQxGmVcx	47rtgJsSaF	R3RkyOxOc-spJhLSzqhC	CWIwyDxyKnyNdkhVdwJ8H5sZqOFMJyld2I
3x4 =	-						
3x4 =							Scale = 1:27.7
3x4 = 7 6 5 2x4 4 2x4 2x4 2x4 14-4-0 14-4-0 14-4-0 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					4	x4 =	Scale = 1.27.7
3x4 = 7 6 5 2x4 4 2x4 2x4 2x4 14-4-0 14-4-0 14-4-0 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-							
SPACING SPACING 2-0-0 CSI DEFL in (loc) l/defl L/d PLATES GRIP CDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(LT) n/a - n/a 999 MT20 244/190 BCLL 0.0 Rep Stress Incr YES WB 0.13 Horz(CT) 0.00 n/a n/a n/a Plate Color N/a	Ť				3		
2x4 9 2x4 4 4 3x4 >= 7 2x4 2x4 2x4 2x4 2x4 144-0 144-0 144-0 144-0 140						10	
2x4 9 2x4 9 3x4 > 7 5 2x4 2x4 2x4 2x4 2x4 14.4.0 14			5.00 12	/			
3x4 = 7			80	. //	1		294 []
3x4 = 7 6 5 2x4 2x4 2x4 2x4 LOADING (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl L/d PLATES GRIP TCUL 20.0 Plate Grip DOL 1.25 TC 0.35 Vert(LL) n/a - n/a 999 TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) n/a - n/a 999 BCLL 0.0 Rep Stress Incr YES WB 0.13 Horz(CT) 0.00 n/a n/a				*//			
3x4			2				
3x4	0-2		To To				To l
3x4 = 7 6 5 2x4 2x4 2x4 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 0.35 Vert(LL) n/a - n/a 999 TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) n/a - n/a 999 BCLL 0.0 * Rep Stress Incr YES WB 0.13 Horz(CT) 0.00 n/a n/a	4						
3x4 = 7			8				
3x4 = 7							4-5
Total Tota							ે
Total Tota		1					
Total Tota	4	(0)	0			0	0
2x4 2x4 2x4 2x4	¹ \$ ₩	***************************************		***************************************	******	***************************************	
2x4 2x4 2x4 2x4			7				
14-4-0 14-4-0 14-4-0		3x4 =					
14-4-0 14-4-0 14-4-0 14-4-0 14-4-0			284		284	1	2X4
LOADING (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) V/defl L/d PLATES GRIP	V			14-4-0			92
TCLL 20.0 Plate Grip DOL 1.25 TC 0.35 Vert(LL) n/a - n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) n/a - n/a 999 BCLL 0.0 * Rep Stress Incr YES WB 0.13 Horz(CT) 0.00 n/a n/a							
TCLL 20.0 Plate Grip DOL 1.25 TC 0.35 Vert(LL) n/a - n/a 999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) n/a - n/a 999 BCLL 0.0 * Rep Stress Incr YES WB 0.13 Horz(CT) 0.00 n/a n/a	LOADING (nef)	SPACING.	2.0.0	DEEL	in (loc)	1/doft L/d	DI ATES COID
TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) n/a - n/a 999 BCLL 0.0 * Rep Stress Incr YES WB 0.13 Horz(CT) 0.00 n/a n/a	TCLL 20.0						
	TCDL 10.0	Lumber DOL	1.25 BC 0.23	Vert(CT)	n/a -	n/a 999	
BCDL 10.0 Code FBC2020/TPI2014 Matrix-P Weight: 54 lb FT = 20%				Horz(CT) 0	.00	n/a n/a	CONTRACTOR
	BCDL 10.0	Code FBC2020/1	PI2014 Matrix-P				Weight: 54 lb FT = 20%
LUMBER- BRACING-	TOP CHORD 2x4 S	P No.2		TOP CHORD	Structu	iral wood sheathing dire	ectly applied or 6-0-0 oc purlins

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

2x4 SP No.3

except end verticals.

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

REACTIONS. All bearings 14-3-6.

(lb) - Max Horz 1=91(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 6 except 7=-193(LC 10)

Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 6=287(LC 1), 7=459(LC 1)

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

WEBS

OTHERS

2-7=-352/420

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=5.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp D; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-9-1 to 3-9-1, Interior(1) 3-9-1 to 7-0-0, Exterior(2R) 7-0-0 to 11-2-4, Exterior(2E) 11-2-4 to 14-2-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) 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) 1, 5, 6 except (jt=lb) 7=193.



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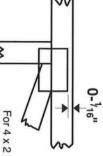
	MO	to.

Symbols

PLATE LOCATION AND ORIENTATION



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



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

connector plates required direction of slots in This symbol indicates the

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

PLATE SIZE



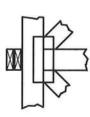
width measured perpendicular to slots. Second dimension is the length parallel to slots. The first dimension is the plate

LATERAL BRACING LOCATION



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

BEARING



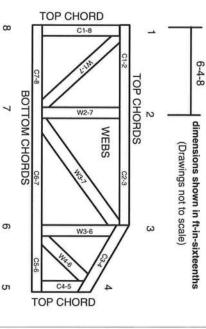
Min size shown is for crushing only number where bearings occur. reaction section indicates joint (supports) occur. Icons vary but Indicates location where bearings

Industry Standards

ANSI/TPI1: National Design Specification for Metal Installing & Bracing of Metal Plate Connected Wood Trusses. Guide to Good Practice for Handling, Building Component Safety Information, Design Standard for Bracing. Plate Connected Wood Truss Construction.

DSB-89:

Numbering System



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

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

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

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

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

General Safety Notes

Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI
- 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
- Never exceed the design loading shown and never stack materials on inadequately braced trusses
- designer, erection supervisor, property owner and all other interested parties. Provide copies of this truss design to the building
- Cut members to bear tightly against each other.

5

- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the camber for dead load deflection. responsibility of truss fabricator. General practice is to
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and specified in all respects, equal to or better than that
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
- Connections not shown are the responsibility of others.
- Do not cut or alter truss member or plate without prior approval of an engineer.
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable project engineer before use environmental, health or performance risks. Consult with
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.

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	*			