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

73

RE: 2920817 - 2920817

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: FLYNN CONSTRUCTION LLC Project Name: - Model: BLUE JAY COURT RES
Lot/Block: 10 Subdivision: BLUE JAY COURT RES
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 Design Program: MiTek 20/20 8.4
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

COLUMBIA COUNTY BUILDING DEPARTMENT
REVIEWED FOR CODE COMPLIANCE
FIELD COPY
PLANS EXAMINER
DATE

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 index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T26001431	A01GE	11/17/21	23	T26001453	EJ5A	11/17/21
2	T26001432	A02	11/17/21	24	T26001454	EJ5B	11/17/21
3	T26001433	A03	11/17/21	25	T26001455	HJ5	11/17/21
4	T26001434	A04	11/17/21	26	T26001456	HJ5A	11/17/21
5	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
9	T26001439	B03	11/17/21	31	T26001461	K03	11/17/21
10	T26001440	B04	11/17/21	32	T26001462	VT3	11/17/21
11	T26001441	B05	11/17/21	33	T26001463	VT3A	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	T26001445	CJ3	11/17/21	37	T26001467	VT7	11/17/21
16	T26001446	CJ3A	11/17/21	38	T26001468	VT7A	11/17/21
17	T26001447	CJ3B	11/17/21	39	T26001469	VT7B	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
21	T26001451	D04GE	11/17/21	43	T26001473	VT14	11/17/21
22	T26001452	EJ5	11/17/21				

COLUMBIA COUNTY BUILDING DEPARTMENT
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PLANS EXAMINER

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.

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

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

November 17,2021

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

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	A01GE	GABLE	1	1	T26001431
					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
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-2-0-0	5-4-0	8-1-0	10-8-0	16-2-0	24-1-0	32-0-0	34-4-0	35-4-0
2-0-0	5-4-0	2-9-0	2-7-0	5-6-0	7-11-0	7-11-0	2-4-0	1-0-0

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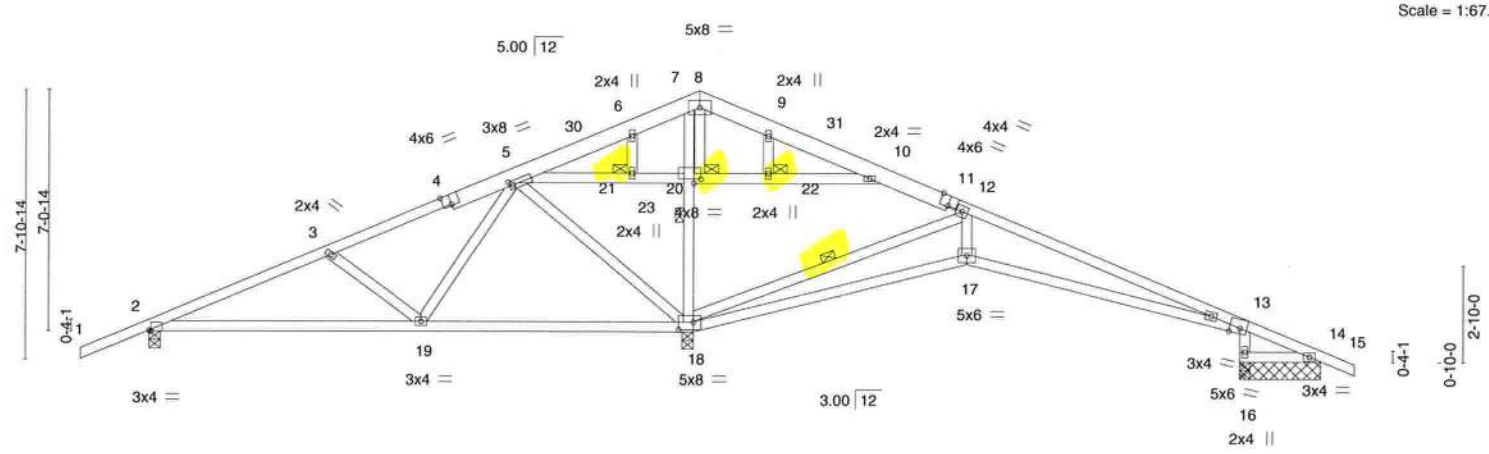

8-0-0	8-1-0	15-10-0	16-0-0	24-0-0	32-0-0	34-4-0
8-0-0	0-1-0	7-9-0	0-2-0	8-0-0	8-0-0	2-4-0

Plate Offsets (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], [18:0-5-4,0-2-12], [20:0-2-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.69	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/TPI2014		Matrix-AS							Weight: 194 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-4,11-15: 2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 7-18, 12-18
JOINTS	1 Brace at Jt(s): 20, 21, 22

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)
Max Grav 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.
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; 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.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) 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
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	A02	Roof Special	7	1	T26001432
					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
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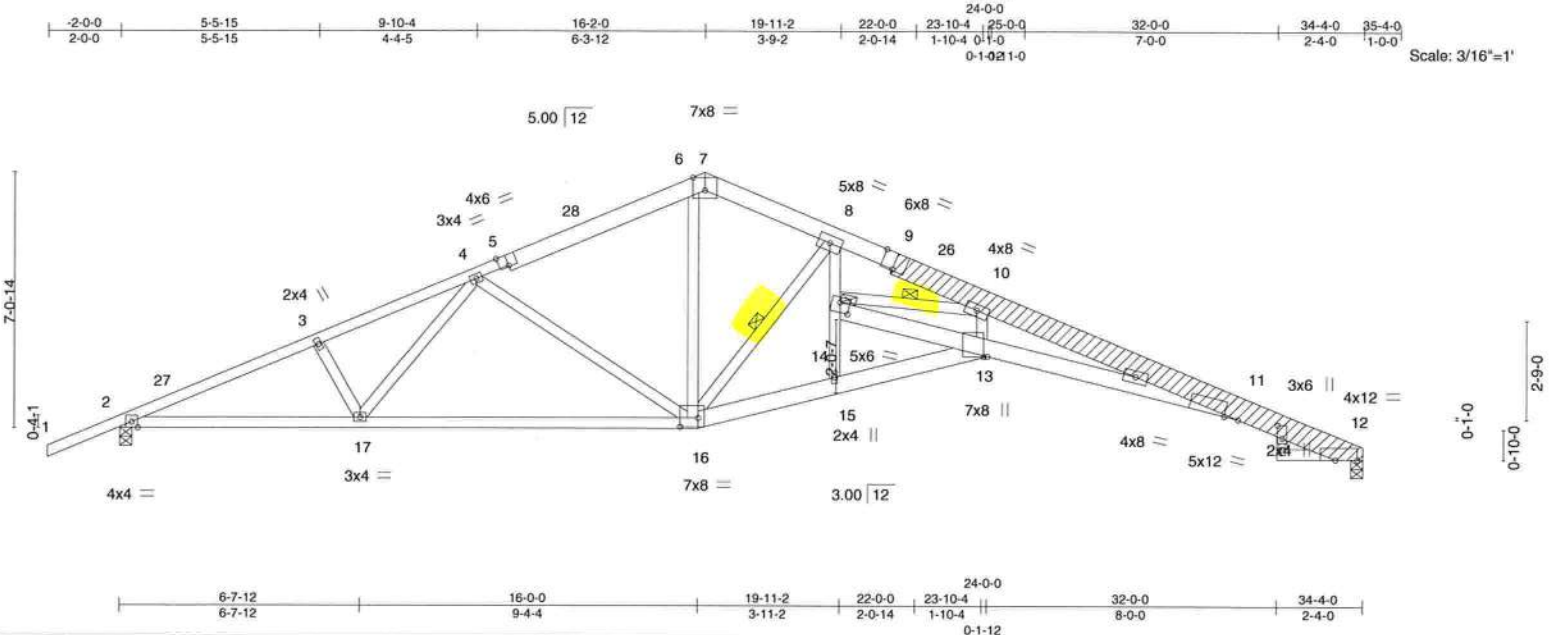

Plate Offsets (X,Y)-- [5:0-3-0,Edge], [7:0-4-0,Edge], [9:0-4-0,Edge], [11:0-4-11,Edge], [13:0-0-1,0-1-3], [14:0-3-4,0-3-4], [16:0-6-0,0-3-0], [18:0-4-6,0-1-8]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	0.50	13-25	>818	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.97	13-25	>424	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.50	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 259 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP M 26 *Except*
	1-5: 2x4 SP M 31, 9-12: 2x8 SP 2400F 2.0E
BOT CHORD	2x6 SP M 26 *Except*
	2-16,8-15: 2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
LBR SCAB	9-12 2x8 SP 2400F 2.0E one side

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 10-14, 8-16
JOINTS	1 Brace at Jt(s): 14

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
BOT CHORD	2-17=-881/2717, 16-17=-769/2298, 15-16=-922/2824, 13-15=-921/2845, 13-14=-1500/4148, 11-13=-2424/6994, 8-14=-464/1402
WEBS	3-17=-262/165, 4-17=-69/533, 4-16=-657/308, 6-16=-352/1048, 10-13=-419/1498, 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.
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.
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) 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 (jt=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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	A03	Roof Special Structural Gable	1	1	T26001433
					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
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-2-0-0	5-4-11	9-10-4	10-9-5	16-2-0	19-11-2	20-4-2	23-10-4	24-1-0	32-0-0	34-4-0	35-4-0
2-0-0	5-4-11	4-5-10	0-11-1	5-4-11	3-9-2	0-5-0	3-6-2	0-2-12	7-11-0	2-4-0	1-0-0

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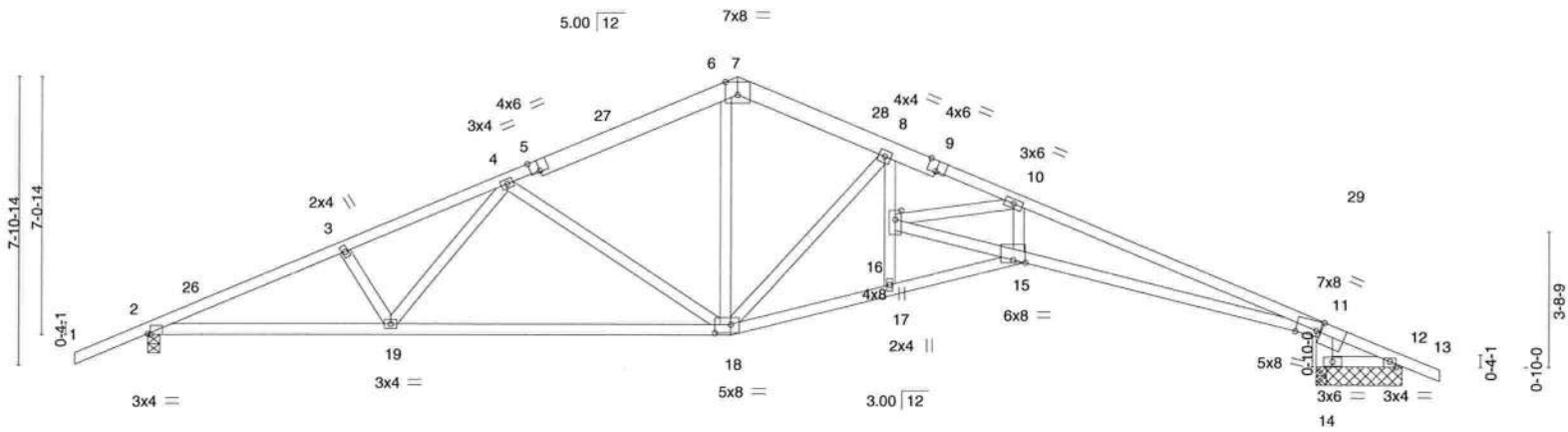

6-7-12	16-0-0	19-11-2	20-4-2	23-10-4	24-0-0	32-0-0	34-4-0
6-7-12	9-4-4	3-11-2	0-5-0	3-6-2	0-1-12	8-0-0	2-4-0

Plate Offsets (X,Y)-- [2:0-0-14,Edge], [5:0-3-0,Edge], [7:0-4-0,Edge], [9:0-3-0,Edge], [11:0-6-11,Edge], [11:0-1-9,Edge], [12:0-2-0,Edge], [15:0-4-0,0-0-14], [16:0-3-0,0-2-0], [18:0-5-4,0-2-12]

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	0.62	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/TPI2014		Matrix-AS							Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-5: 2x4 SP No.2, 9-13: 2x4 SP M 31
BOT CHORD 2x4 SP No.2 *Except*
11-16: 2x4 SP M 31, 11-14: 2x6 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings 2-4-0 except (jt=length) 2=0-4-0.
(lb) - Max Horz 2=223(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-507(LC 10), 11=-611(LC 10), 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.

Joaquin Velez PE No.68182
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Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	A04	Roof Special	4	1	T26001434
					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
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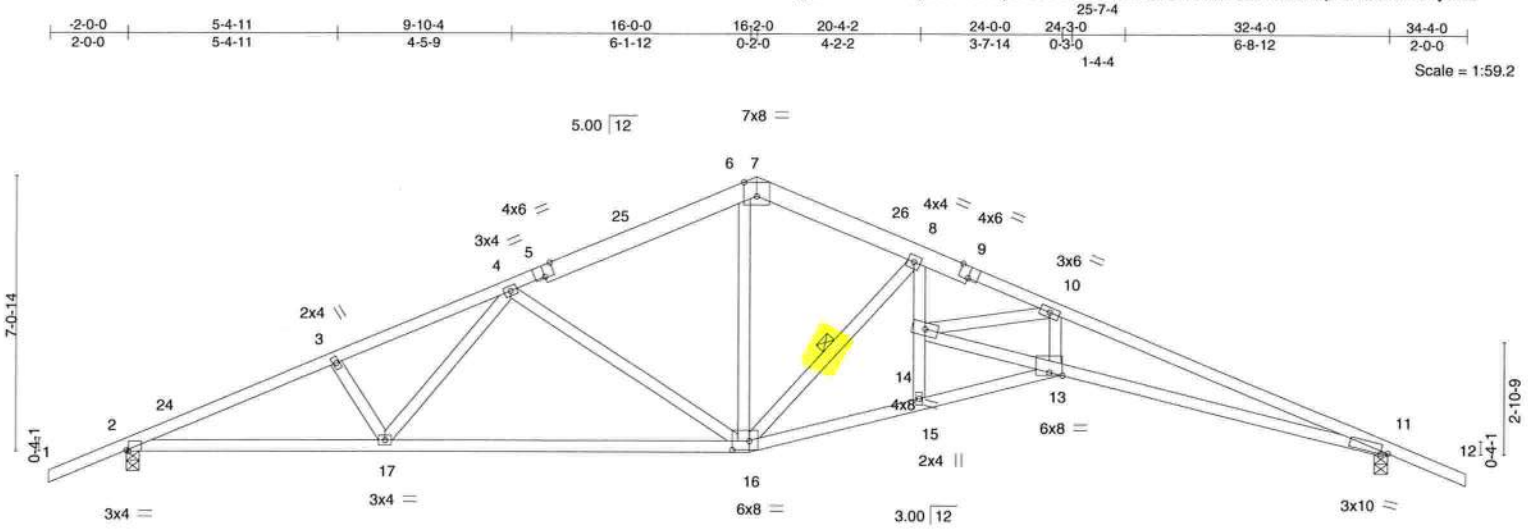


6-7-12	16-0-0	20-4-2	24-0-0	32-4-0
6-7-12	9-4-4	4-4-2	3-7-14	8-4-0

Plate Offsets (X,Y)-- [2:0-0-10,Edge], [5:0-3-0,Edge], [7:0-4-0,Edge], [9:0-3-0,Edge], [11:0-2-1,0-0-10], [13:0-4-0,0-0-14], [16:0-5-4,0-2-12]

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	0.55	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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.36	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 175 lb	FT = 20%

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-16

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

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; 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
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 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

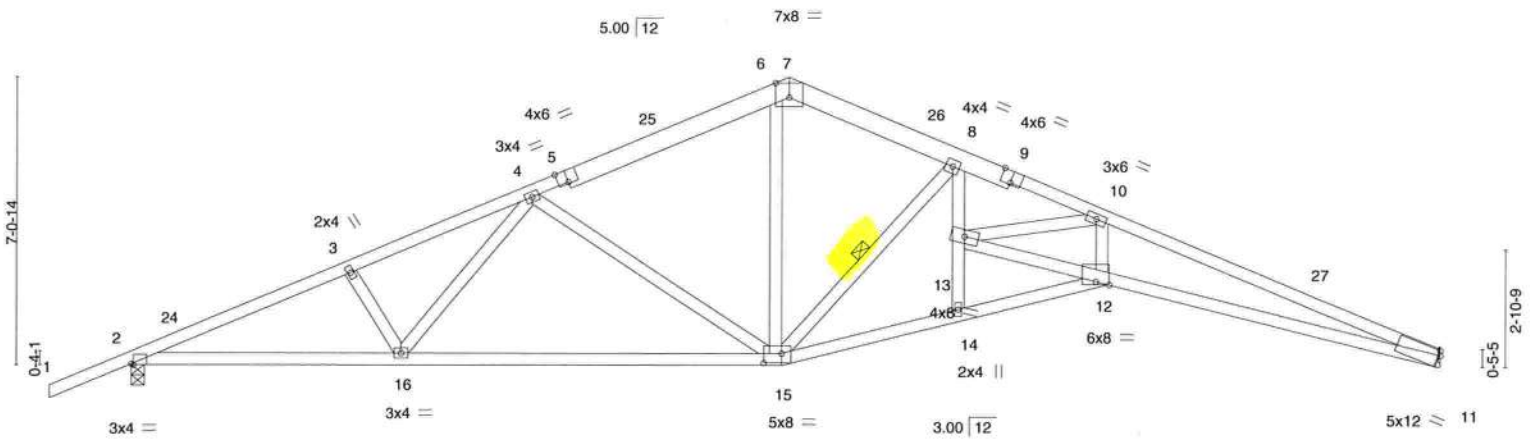
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	A05	Roof Special	8	1	T26001435
					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_gciiBLzeKkgd4yFC88cO6hIRWN6mcyId2n

-2-0-0	5-4-11	9-10-4	16-2-0	20-4-2	24-0-0	24-1-8	32-1-0
2-0-0	5-4-11	4-5-9	6-3-12	4-2-2	3-7-14	0-1-8	7-11-8

Scale = 1:56.6



6-7-12	16-0-0	20-4-2	24-0-0	32-1-0
6-7-12	9-4-4	4-4-2	3-7-14	8-1-0

Plate Offsets (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], [12:0-4-0,0-0-14], [15:0-5-4,0-2-12]

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	0.94	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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.38	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 171 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except*
	1-5: 2x4 SP No.2, 9-11: 2x4 SP No.1
BOT CHORD	2x4 SP No.2 *Except*
	11-13: 2x4 SP No.1
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 8-15

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

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; 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.
6) 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	A06GE	GABLE	1	1	T26001436
					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	32-1-0
2-0-0	5-4-11	4-7-12	6-1-9	4-2-2	1-1-9	2-6-5	2-9-5	5-3-11

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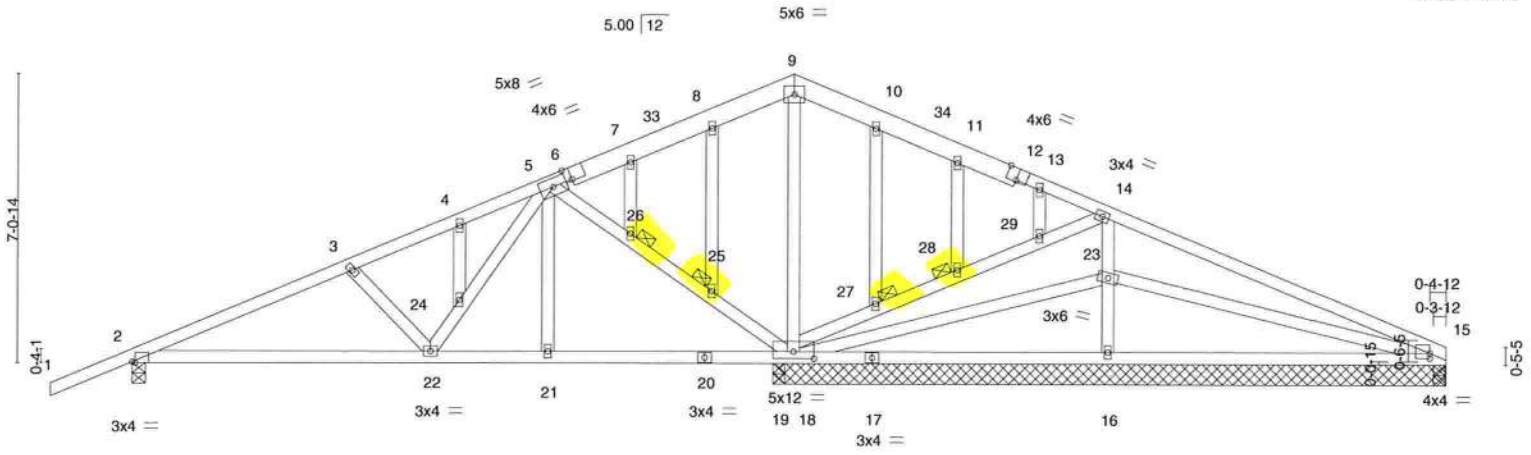


7-3-10	15-8-0	16-0-0	20-0-0	20-4-2	24-0-0	28-0-8	32-0-12	32-1-0
7-3-10	8-4-6	0-4-0	4-0-0	0-4-2	3-7-14	4-0-8	4-0-4	0-0-4

Plate Offsets (X,Y)-- [2:0-0-14,Edge], [6:0-1-14,Edge], [12:0-3-0,Edge], [15:0-0-0,0-1-9], [18:0-6-0,0-2-0]

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	0.94	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		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.57	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 215 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-6,12-15: 2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	Rigid ceiling directly applied.
JOINTS	1 Brace at Jt(s): 25, 26, 27, 28

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)
Max Grav All reactions 250 lb or less at joint(s) 15, 19 except 15=286(LC 20), 18=1329(LC 1), 16=520(LC 20), 2=610(LC 19)

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.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15, 16, 19 except (jt=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
Date:
November 17,2021

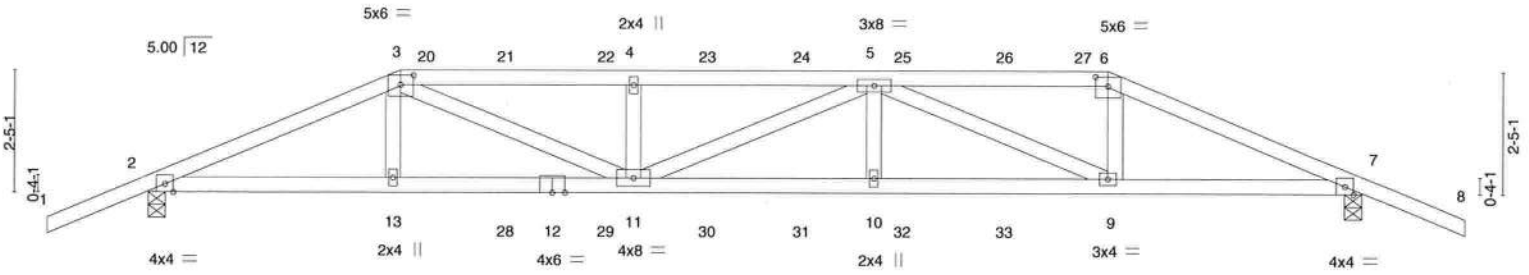
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	B01H5	Hip Girder	1	1	T26001437
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:12 2021 Page 1
ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-8cBUgDeu2v68Aoelt9ocnw6xilYHKumuM7LKvNyId2j

-2-0-0	5-0-0	9-7-7	14-4-9	19-0-0	24-0-0	26-0-0
2-0-0	5-0-0	4-7-7	4-9-3	4-7-7	5-0-0	2-0-0

Scale = 1:45.6



5-0-0	9-7-7	14-4-9	19-0-0	24-0-0
5-0-0	4-7-7	4-9-3	4-7-7	5-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	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		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.12	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MSH							Weight: 112 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-1 oc bracing.

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
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.
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=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 14-11-4, 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-6=-60, 6-8=-60, 14-17=-20

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

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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) 24=-60(F) 25=-60(F) 26=-60(F) 28=-33(F) 29=-33(F) 30=-33(F) 31=-33(F) 32=-33(F) 33=-33(F)

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	B02	Hip	1	1	T26001438
					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
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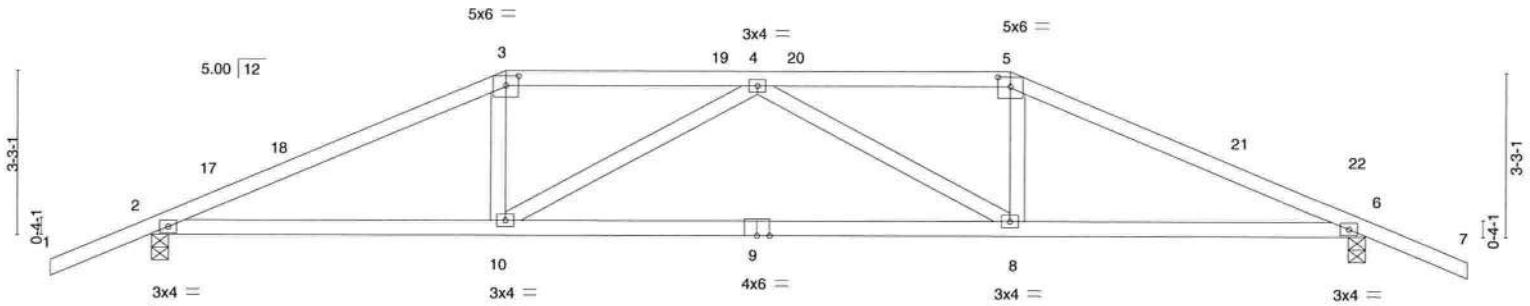
-2-0-0	7-0-0	12-0-0	17-0-0	24-0-0	26-0-0
2-0-0	7-0-0	5-0-0	5-0-0	7-0-0	2-0-0

Scale = 1:45.6



7-0-0	17-0-0	24-0-0
7-0-0	10-0-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.26	8-10	>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/TPI2014		Matrix-AS							Weight: 105 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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.
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, 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	B03	Hip	1	1	T26001439
					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
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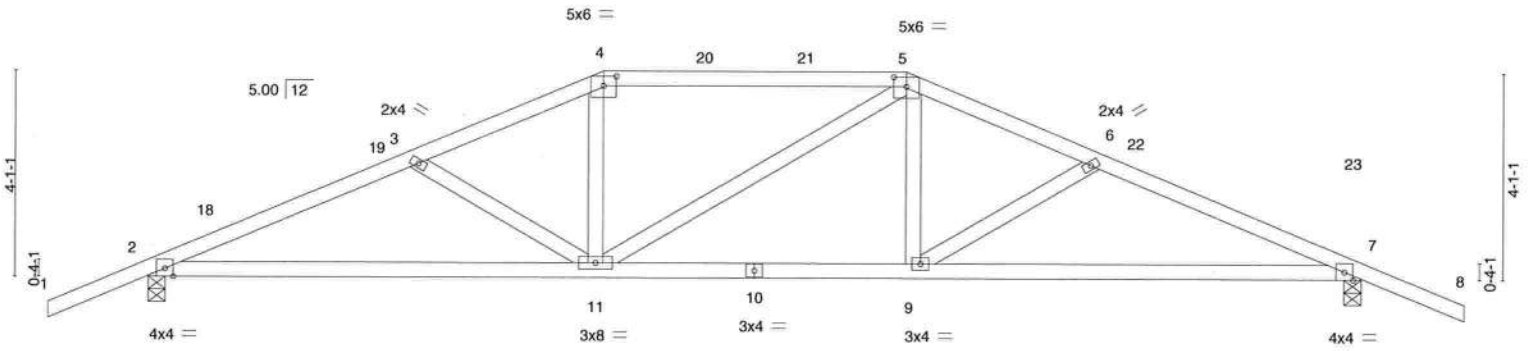
-2-0-0	5-4-3	9-0-0	15-0-0	18-7-14	24-0-0	26-0-0
2-0-0	5-4-3	3-7-14	6-0-0	3-7-13	5-4-2	2-0-0

Scale = 1:45.6



9-0-0	15-0-0	24-0-0
9-0-0	6-0-0	9-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 113 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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 2-3=-1901/775, 3-4=-1618/677, 4-5=-1441/667, 5-6=-1618/677, 6-7=-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.
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.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	B04	Hip	1	1	T26001440
					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

-2-0-0	6-5-9	11-0-0	13-0-0	17-6-7	24-0-0	26-0-0
2-0-0	6-5-9	4-6-7	2-0-0	4-6-7	6-5-9	2-0-0

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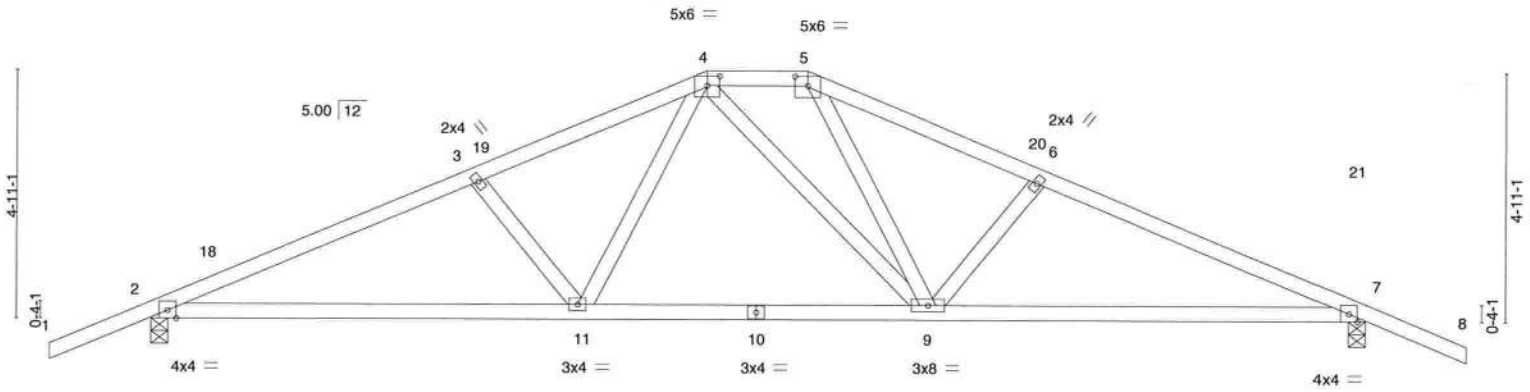

8-5-7	11-0-0	13-0-0	15-6-10	24-0-0
8-5-7	2-6-10	2-0-0	2-6-10	8-5-6

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	-0.12	11-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.28	11-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.06	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 114 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

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 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.
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.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	B05	Common	6	1	T26001441
					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?tYymHltMyzGrkUGlJX28yId2f

-2-0-0	6-9-1	12-0-0	17-2-15	24-0-0	26-0-0
2-0-0	6-9-1	5-2-15	5-2-15	6-9-1	2-0-0

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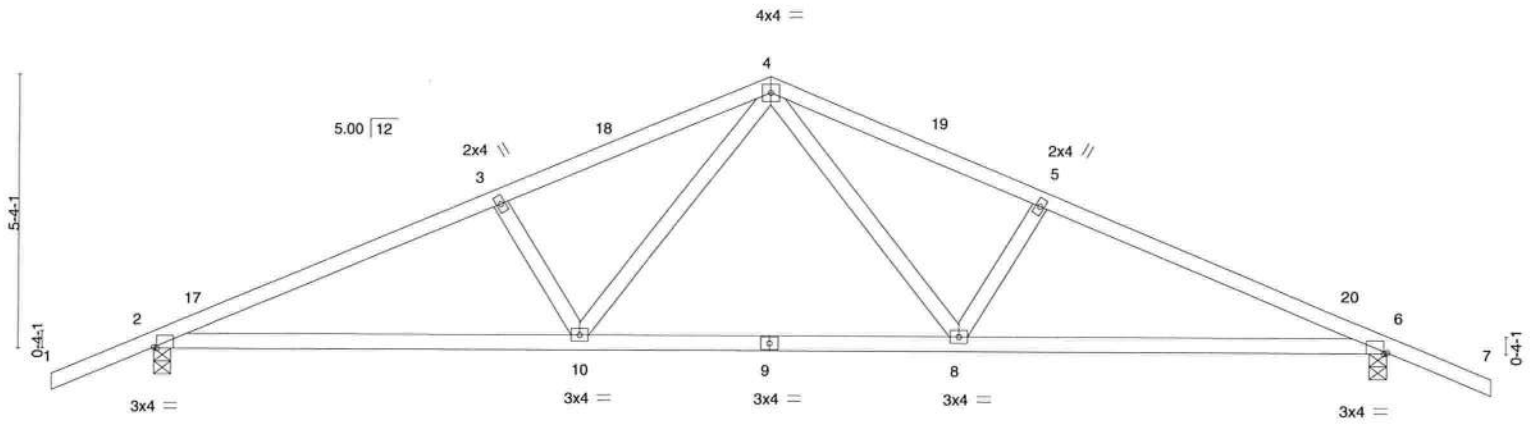

8-3-11	15-8-5	24-0-0
8-3-11	7-4-10	8-3-11

Plate Offsets (X,Y)-- [2:0-0-10,Edge], [6:0-0-10,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	0.38	Vert(LL)	-0.11	10-13	>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/TPI2014		Matrix-AS							Weight: 108 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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

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 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.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	BGR	Common Girder	1	2	T26001442

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
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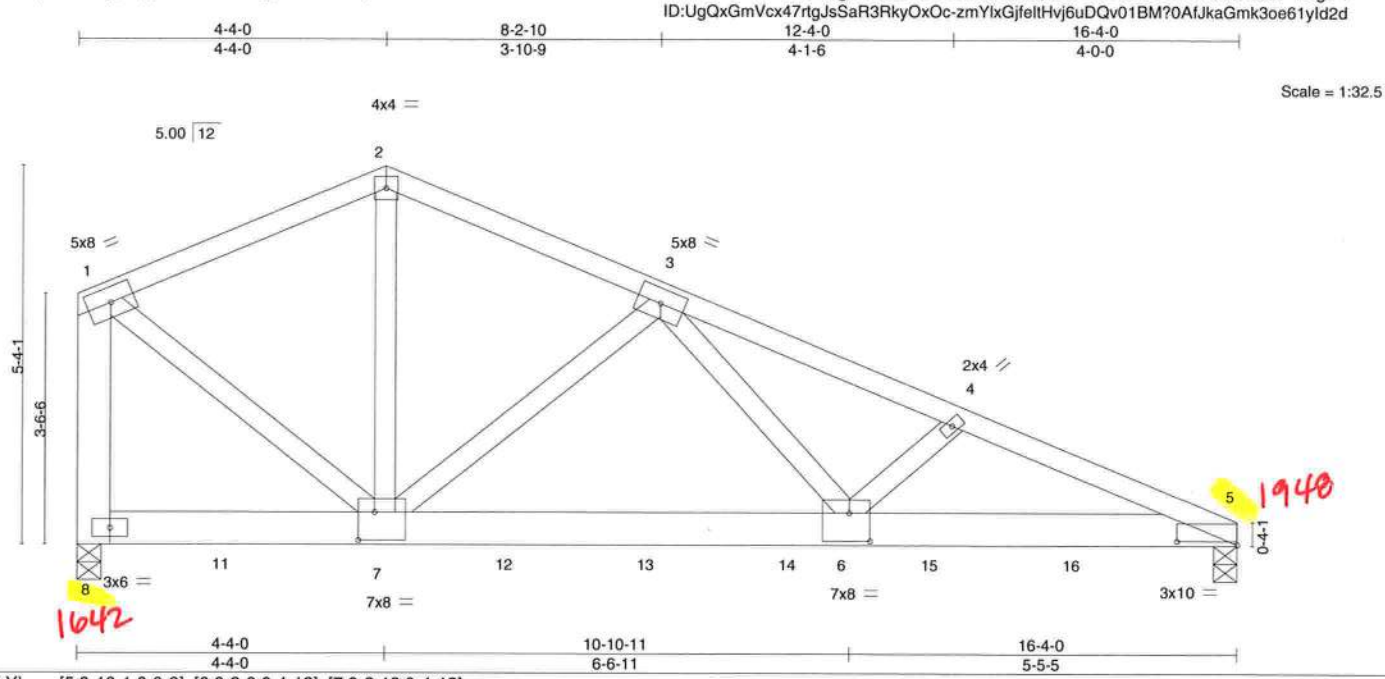

Plate Offsets (X,Y)-- [5:0-10-1,0-0-9], [6:0-3-8,0-4-12], [7:0-2-12,0-4-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.72	Vert(LL)	0.17	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.32	6-7	>605	180		
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-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP M 26
WEBS 2x4 SP No.3 *Except*
3-6: 2x4 SP No.2, 1-8: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-12 oc purlins, except end verticals.
BOT CHORD 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.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) 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 lb 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.

LOAD CASE(S) Standard

Continued on page 2

JOAQUIN VELEZ LICENSE No 68182 STATE OF FLORIDA PROFESSIONAL ENGINEER

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

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)

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	CJ1	Jack-Open	4	1	T26001443
					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
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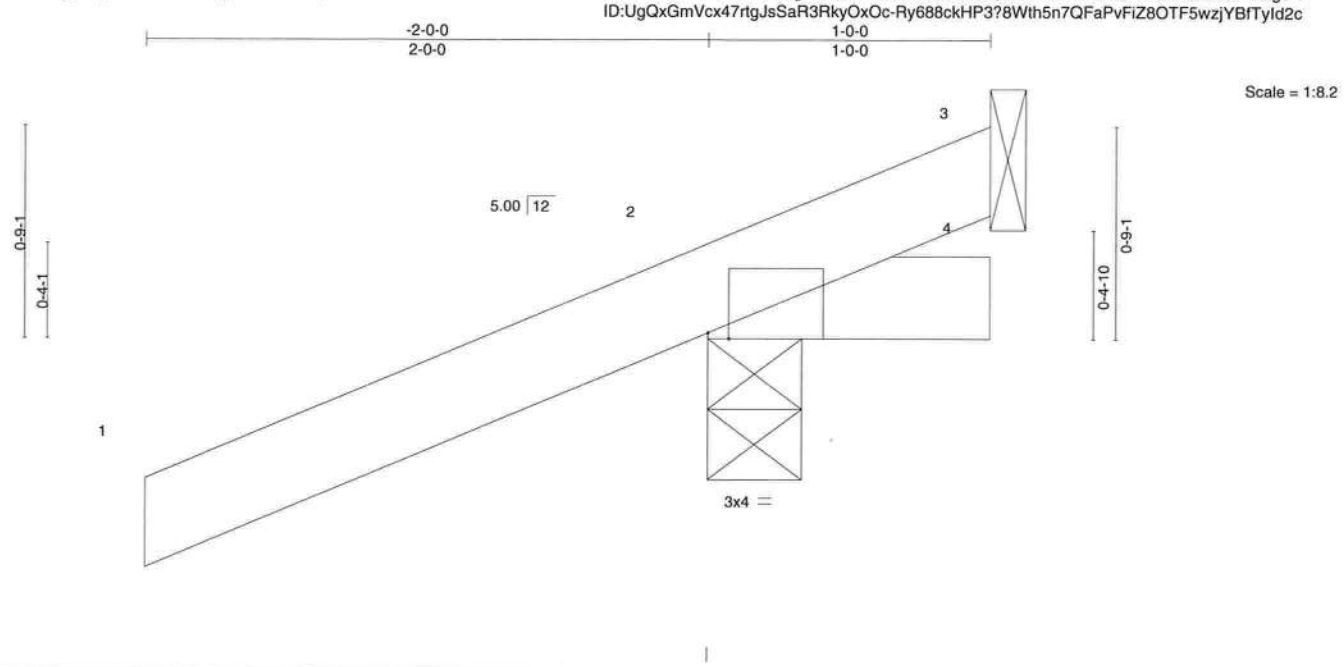

Plate Offsets (X,Y)-- [2:0-0-14,Edge]

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	0.41	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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 7 lb	FT = 20%

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

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

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

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
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6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	CJ1A	Jack-Open	2	1	T26001444
					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
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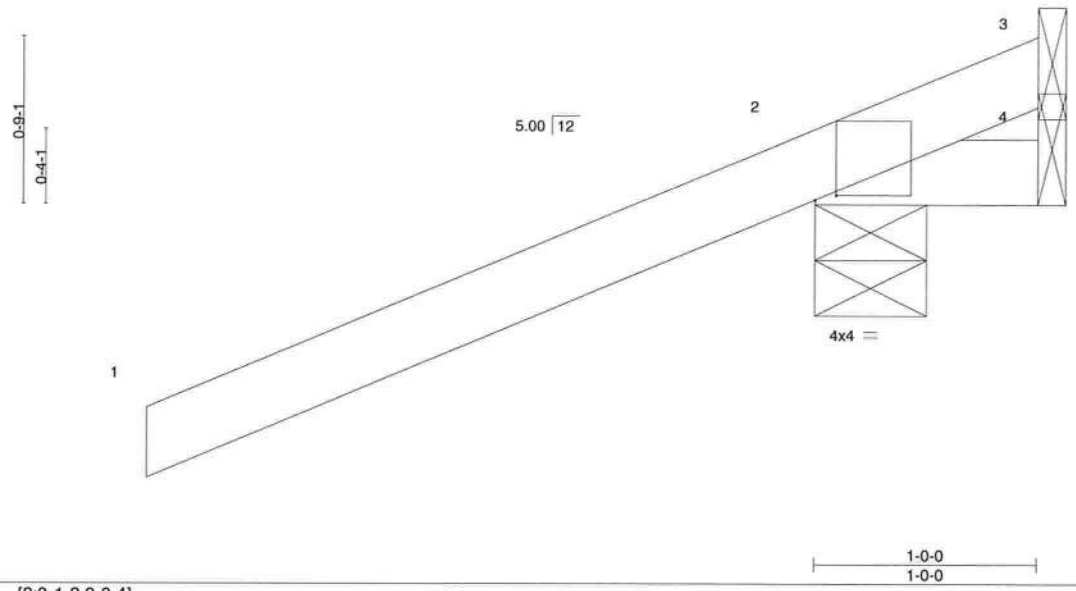

1-0-0 / 1-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.98	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 8 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-6-0, 4=Mechanical
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
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=490, 4=144.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	CJ3	Jack-Open	3	1	T26001445
					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
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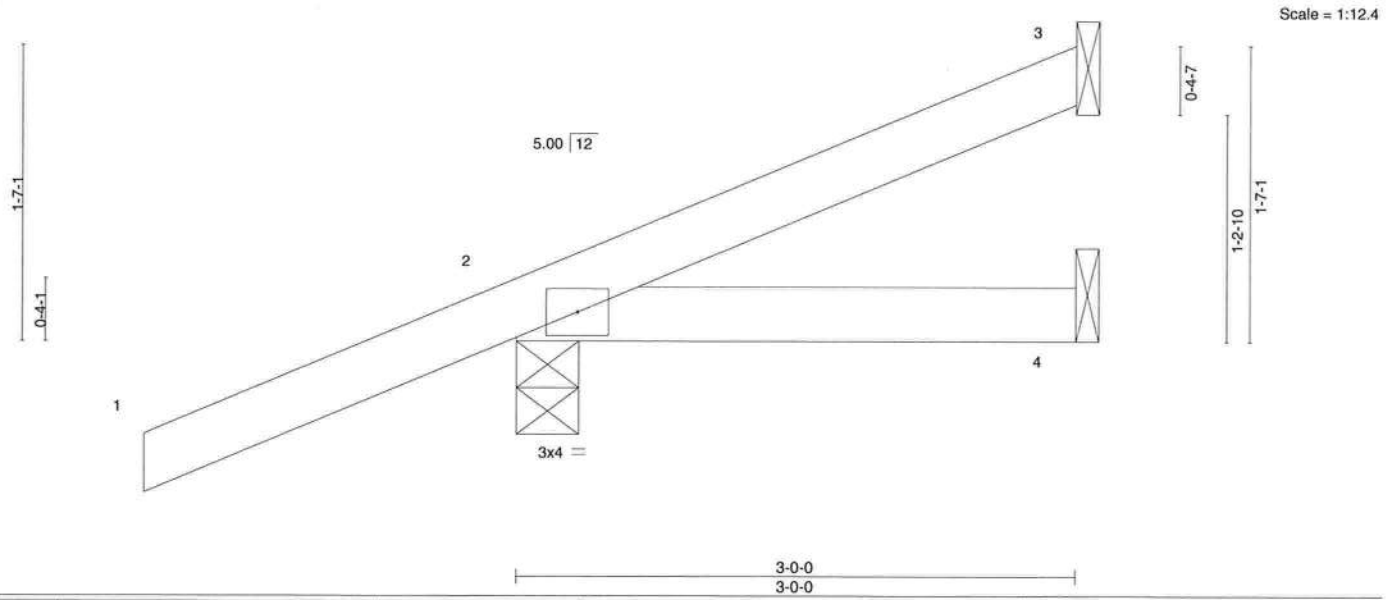

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	-0.01	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 13 lb	FT = 20%

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

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

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

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	CJ3A	Jack-Open	2	1	T26001446
					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
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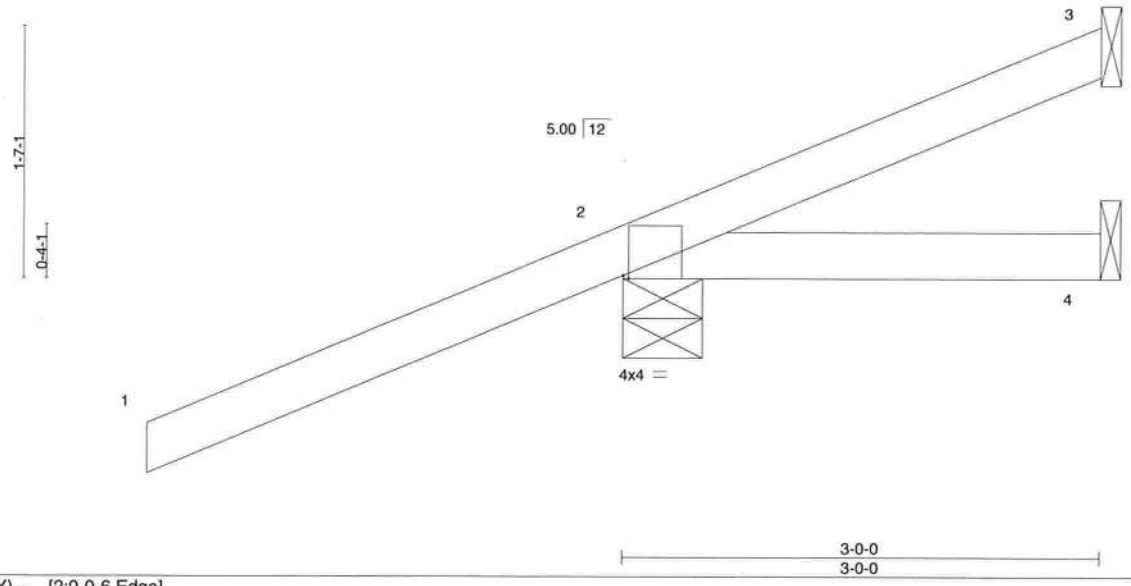

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3-0-0

Plate Offsets (X,Y)-- [2:0-0-6,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	0.98	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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 14 lb	FT = 20%

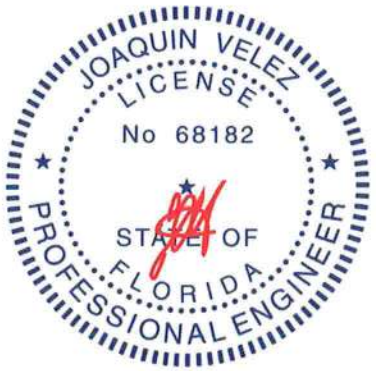
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2

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

REACTIONS. (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
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, 4 except (jt=lb) 2=346.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	CJ3B	Jack-Open	1	1	T26001447
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:22 2021 Page 1
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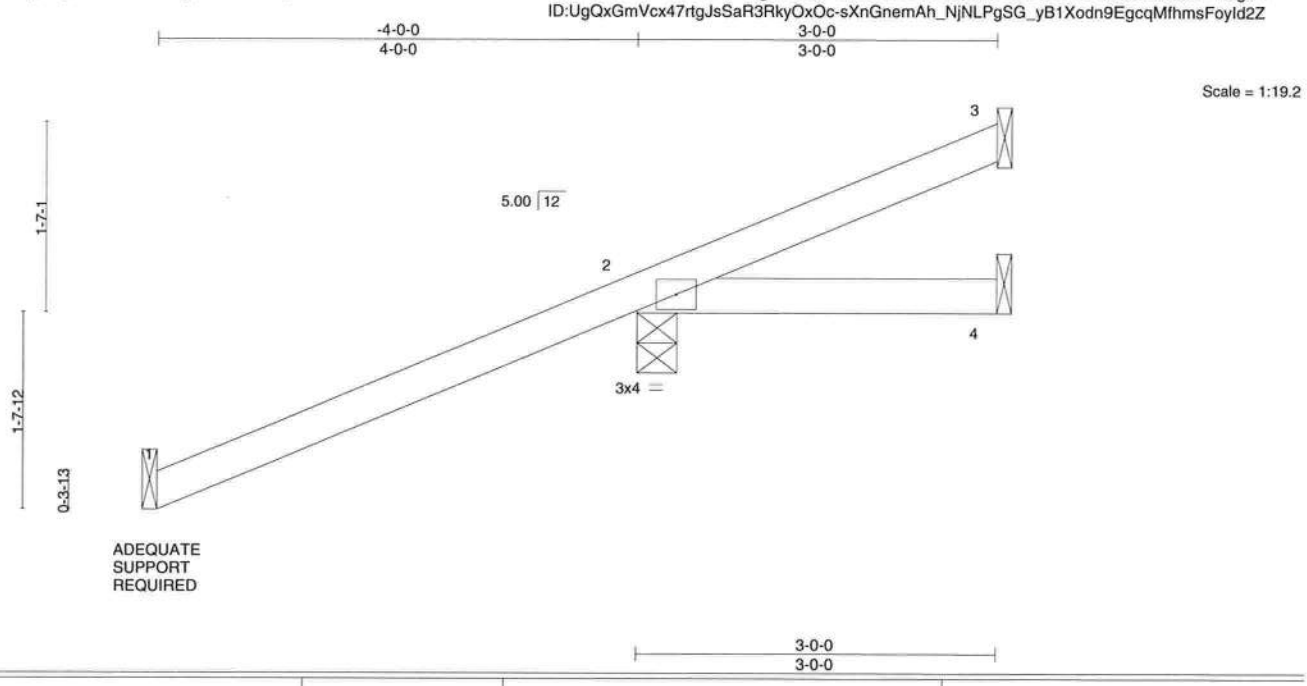

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.30	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 16 lb	FT = 20%

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

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

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-0.
(lb) - Max Horz 2=123(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 3, 2
Max Grav 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.

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) 1, 3, 2.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	D01GE	Common Supported Gable	1	1	T26001448
					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
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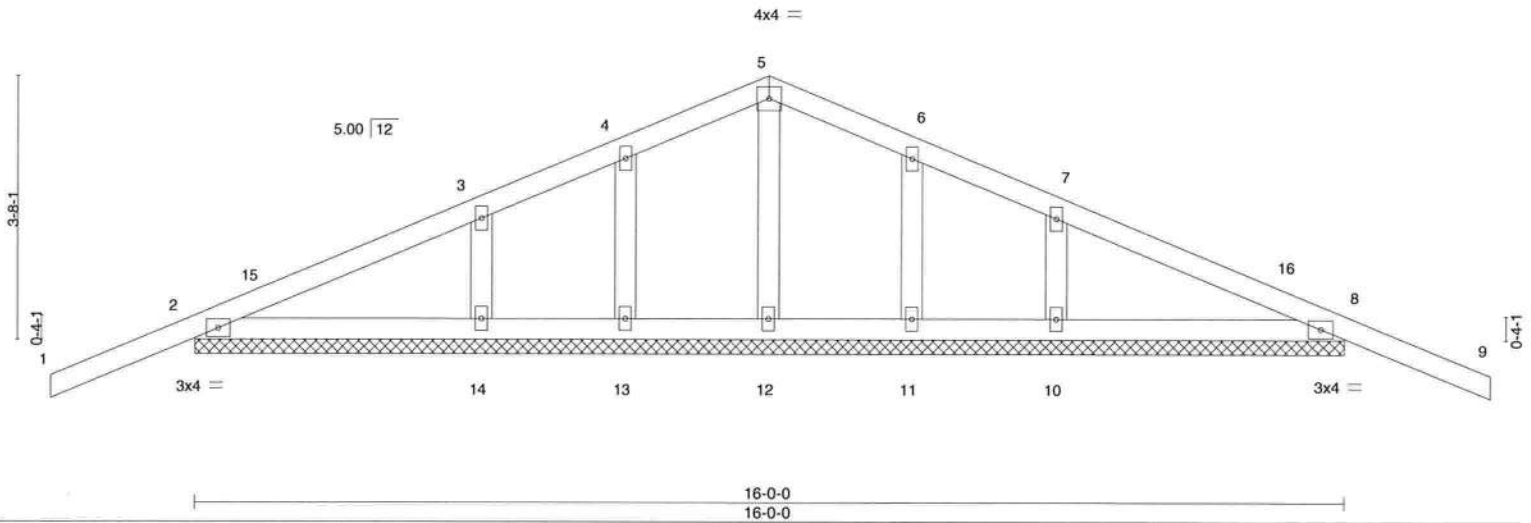

16-0-0
16-0-0

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	0.37	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/TPI2014		Matrix-S							Weight: 72 lb	FT = 20%

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

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

REACTIONS. All bearings 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)
Max Grav 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), 10=265(LC 16)

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=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.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 14, 11, 10 except (jt=lb) 2=204, 8=204.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 8.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	D02	Common	1	1	T26001449
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:24 2021 Page 1
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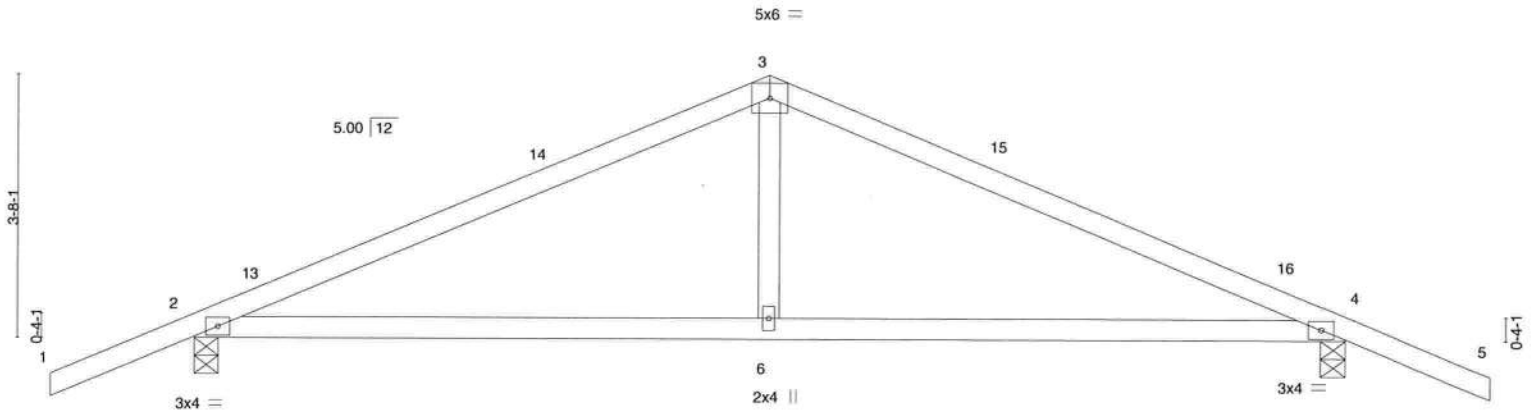

8-0-0 8-0-0 | 16-0-0 8-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.62	Vert(LL)	-0.10	6-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.20	6-9	>951	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 61 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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
BOT CHORD 2-6=-307/856, 4-6=-307/856
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.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	D03	Common	8	1	T26001450
					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
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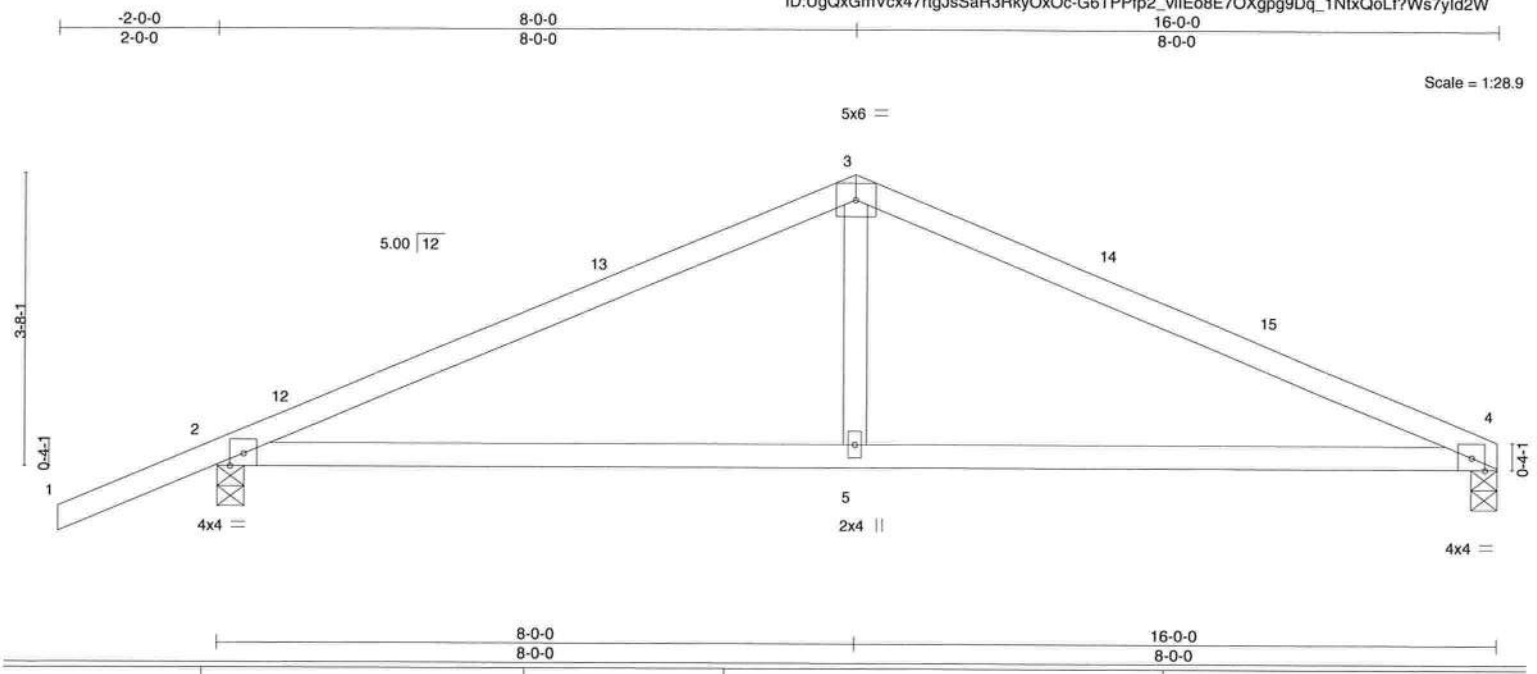

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	Vert(LL)	0.13	5-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.24	5-8	>796	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 58 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (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
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) 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

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	D04GE	Common Supported Gable	1	1	T26001451
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:26 2021 Page 1
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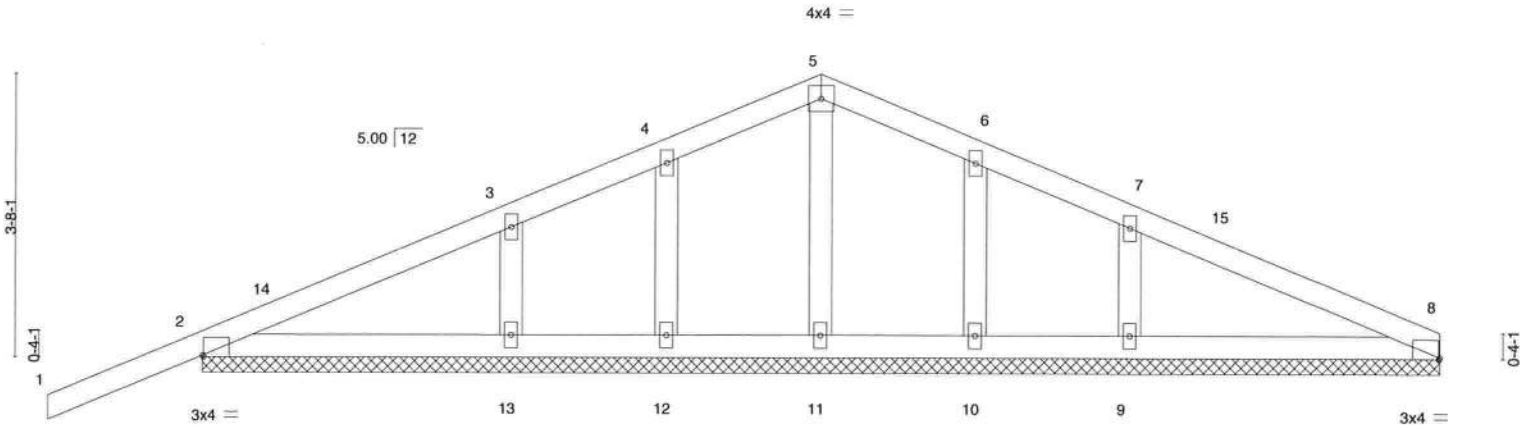

16-0-0
16-0-0

Plate Offsets (X,Y)-- [2:0-0-2,Edge], [8:0-0-2,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	0.37	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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 69 lb	FT = 20%

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

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

REACTIONS. All bearings 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.
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 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.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8, 12, 13, 10 except (jt=lb) 2=195, 9=131.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	EJ5	Jack-Open	6	1	T26001452
					Job Reference (optional)

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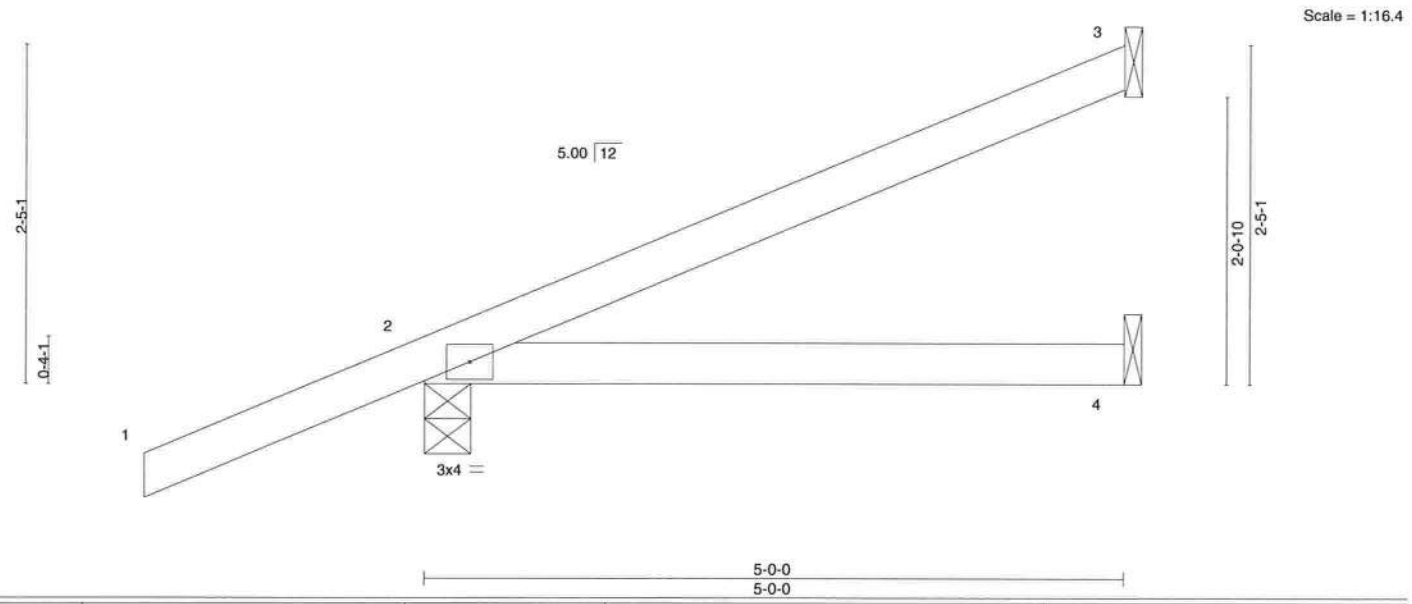

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.03	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.24	Vert(CT)	-0.06	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 19 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 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.

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=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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	EJ5A	Jack-Open	6	1	T26001453
					Job Reference (optional)

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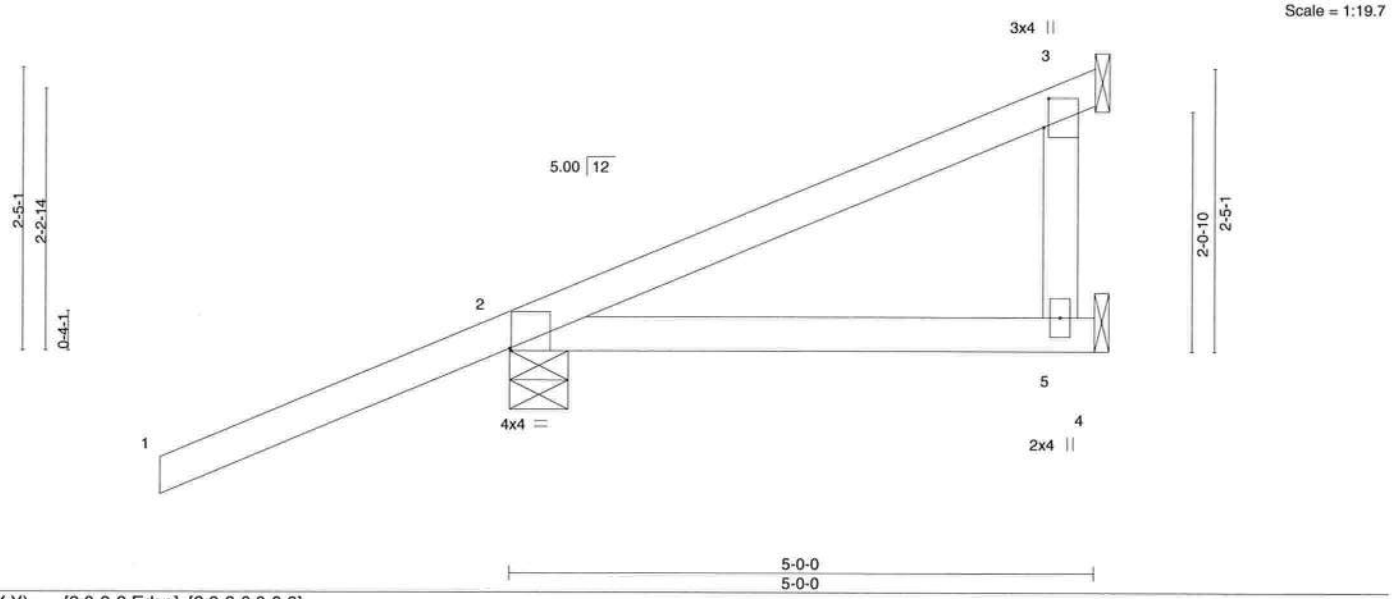

Plate Offsets (X,Y)-- [2:0-0-2,Edge], [3:0-3-0,0-0-8]

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	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(CT)	0.05	5-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 23 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 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.
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, 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	EJ5B	Jack-Open	2	1	T26001454
					Job Reference (optional)

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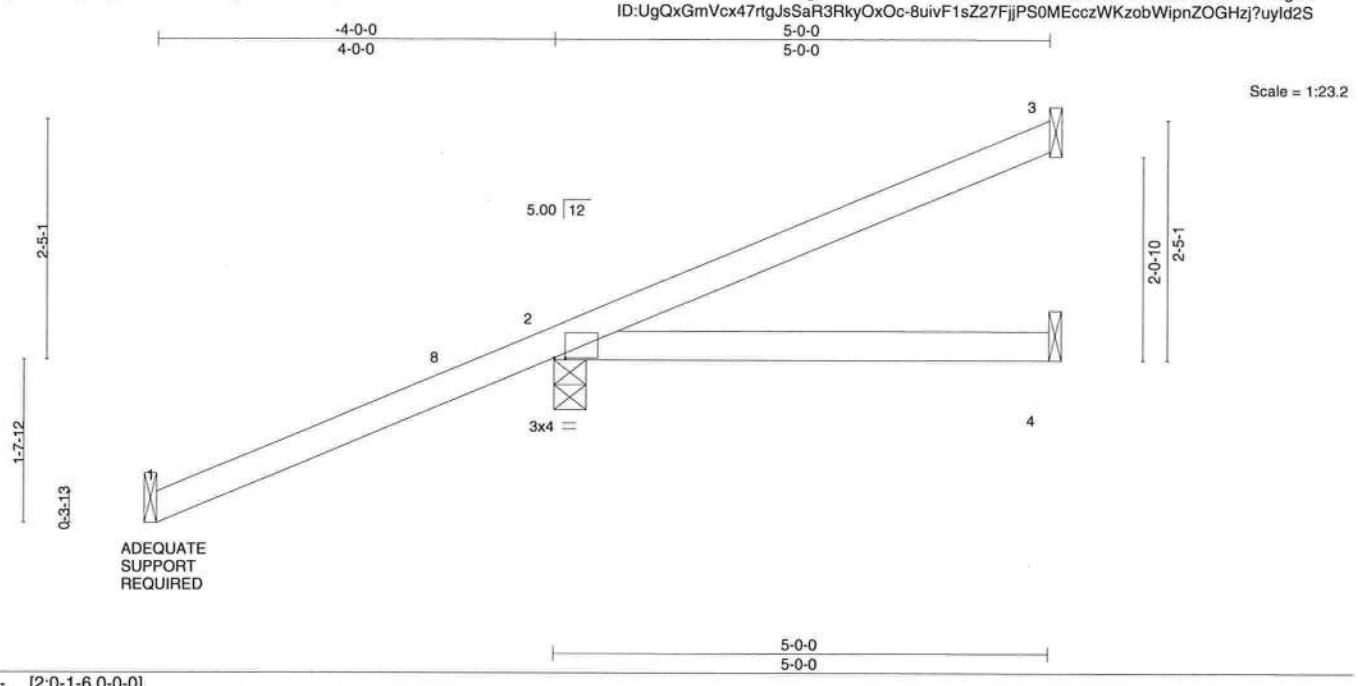

Plate Offsets (X,Y)-- [2:0-1-6,0-0-0]

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	0.37	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.04	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 22 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. All bearings Mechanical except (jt=length) 2=0-4-0.
(lb) - Max Horz 2=159(LC 10)
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	HJ5	Diagonal Hip Girder	2	1	T26001455
					Job Reference (optional)

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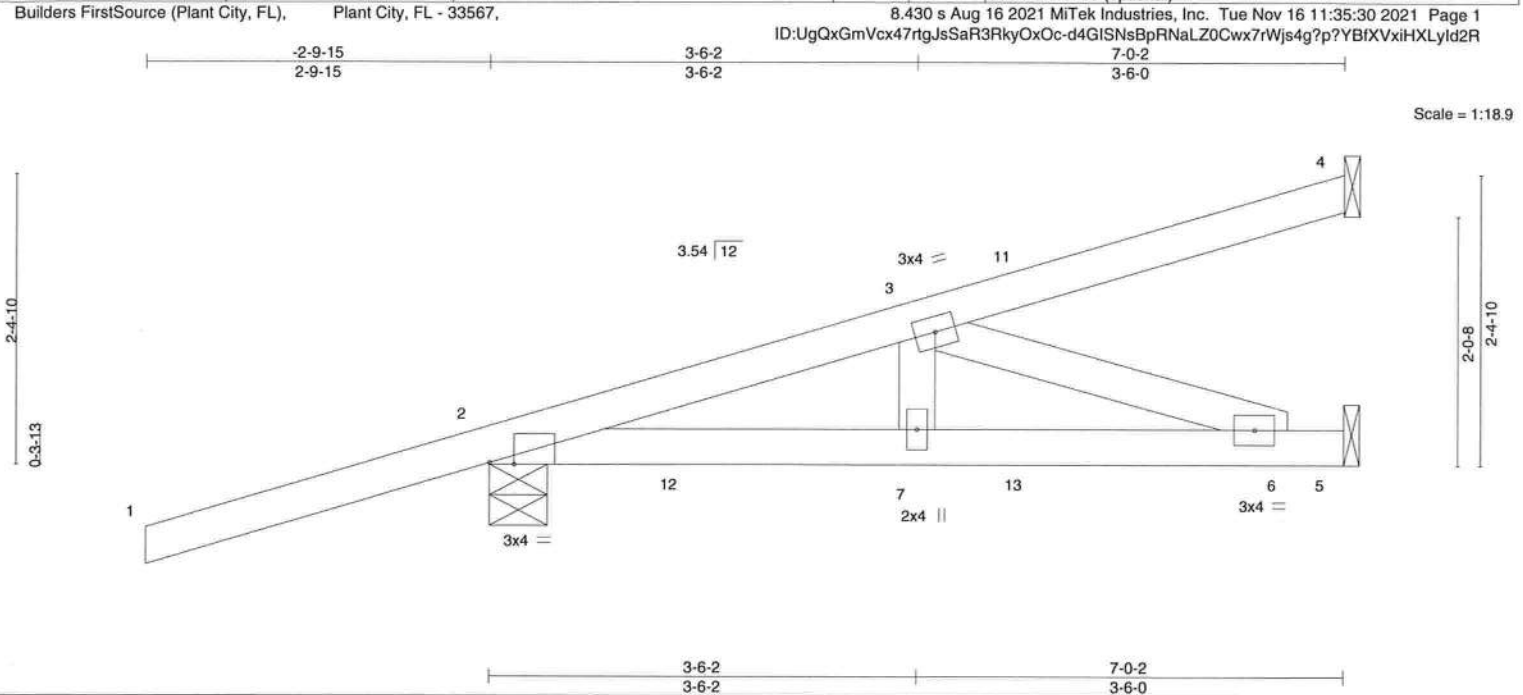


Plate Offsets (X,Y)-- [2:0-2-6,Edge]

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	0.61	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/TPI2014		Matrix-MP							Weight: 31 lb	FT = 20%

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

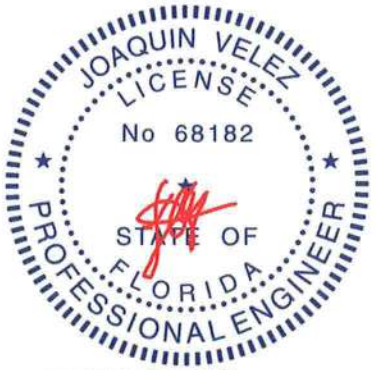
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	HJ5A	Diagonal Hip Girder	1	1	T26001456
					Job Reference (optional)

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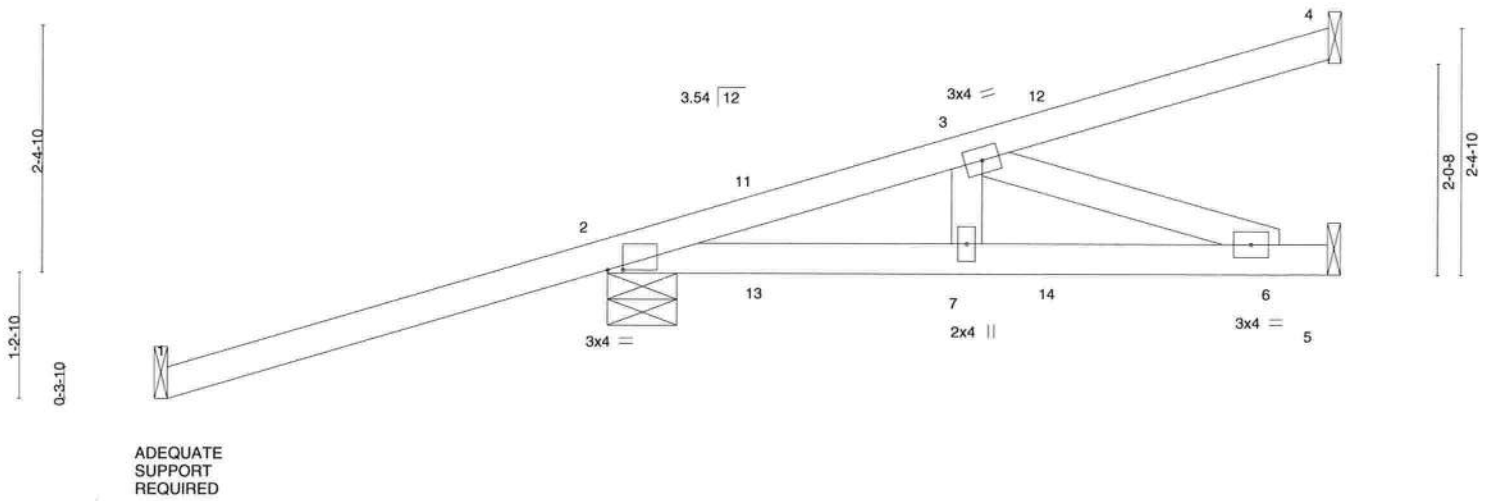

-4-1-7 / 4-1-7 | 3-5-11 / 3-5-11 | 6-11-6 / 3-5-11

Plate Offsets (X,Y)-- [2:0-1-12,0-0-0]

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	0.62	Vert(LL)	-0.06	7-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	0.05	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.18	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 33 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 1=Mechanical, 4=Mechanical, 2=0-8-2, 5=Mechanical
Max Horz 1=-519(LC 17), 2=519(LC 17)
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
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) 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)

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	J8AGE	Jack-Partial Structural Gable	2	1	T26001457
					Job Reference (optional)

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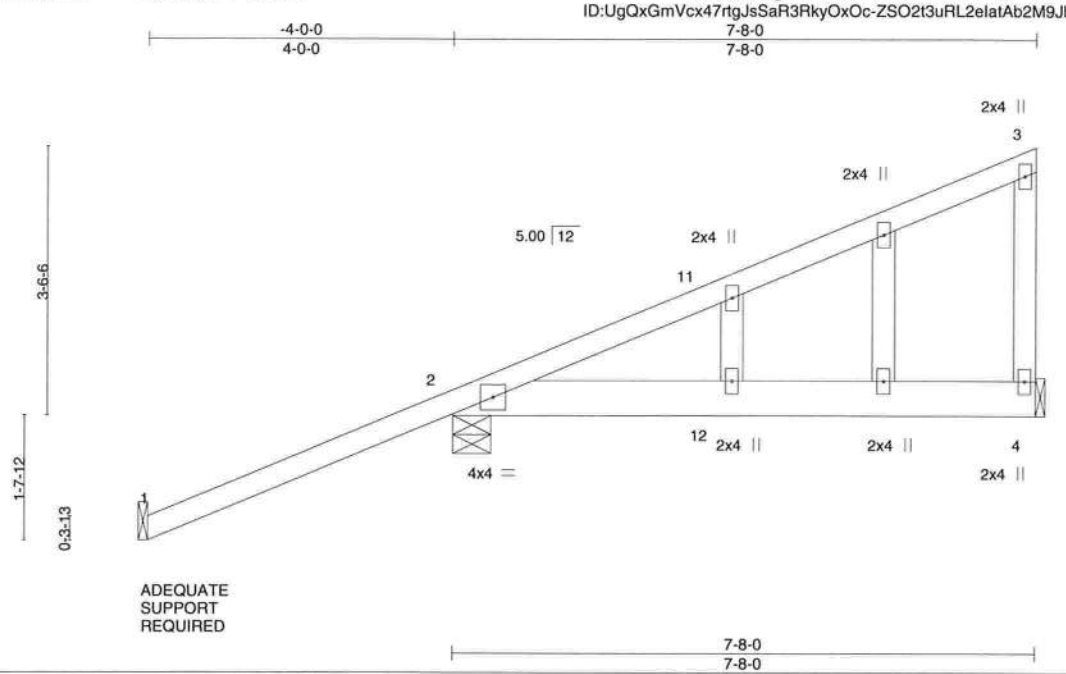

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	0.21	4-10	>421	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	0.19	4-10	>474	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 46 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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=15ft; B=45ft; L=24ft; eave=4ft; 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.
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 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.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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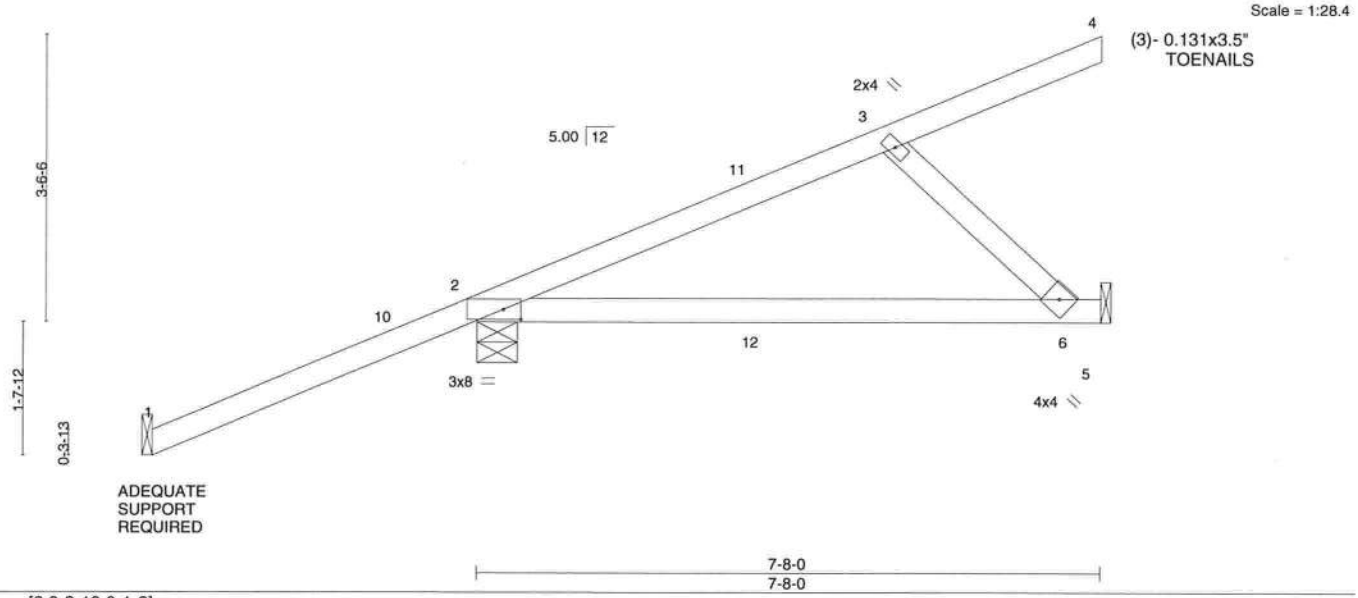
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	J8B	Jack-Partial	7	1	T26001458
					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-ZSO2t3uRL2eIatAb2M9Jb8xOEpMO04BqyFBNcDyId2P

-4-0-0 5-1-8 7-8-0
4-0-0 5-1-8 2-6-9

Scale = 1:28.4



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.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.74	Vert(LL)	0.35	6-9	>257	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	0.31	6-9	>297	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 35 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

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-
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 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
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 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
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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	K01H5	Half Hip Girder	1	1	T26001459
					Job Reference (optional)

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ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-VrWolkvitgu0pBKz9nBngZ1kFc8gTvG7PYgUh6yId2N

-3-0-0	8-8-15	12-7-9	16-8-0
3-0-0	8-8-15	3-10-11	4-0-7

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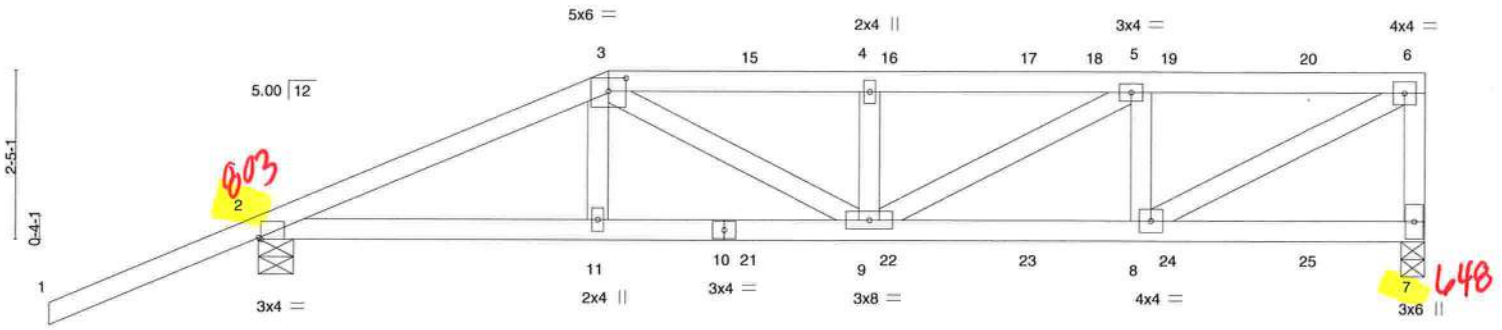

5-0-0	8-8-15	12-7-9	16-8-0
5-0-0	3-8-15	3-10-11	4-0-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.70	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		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.55	Horz(CT)	-0.03	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MSH							Weight: 84 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-2-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-14 oc bracing.

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, 5-9=-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
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.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 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 9-0-12, 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 9-0-12, 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
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-6=-60, 7-12=-20

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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6904 Parke East Blvd.
Tampa, FL 36610

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)

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	K02	Half Hip	1	1	T26001460
					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:UgQxGmVcx47rtgJsSaR3RkyOxOc-z14BV4wKez0tRLv9jUj0DnZuw0MlCNXHeCQ2DYyId2M

-3-0-0 3-0-0 | 7-0-0 7-0-0 | 11-7-4 4-7-4 | 16-8-0 5-0-12

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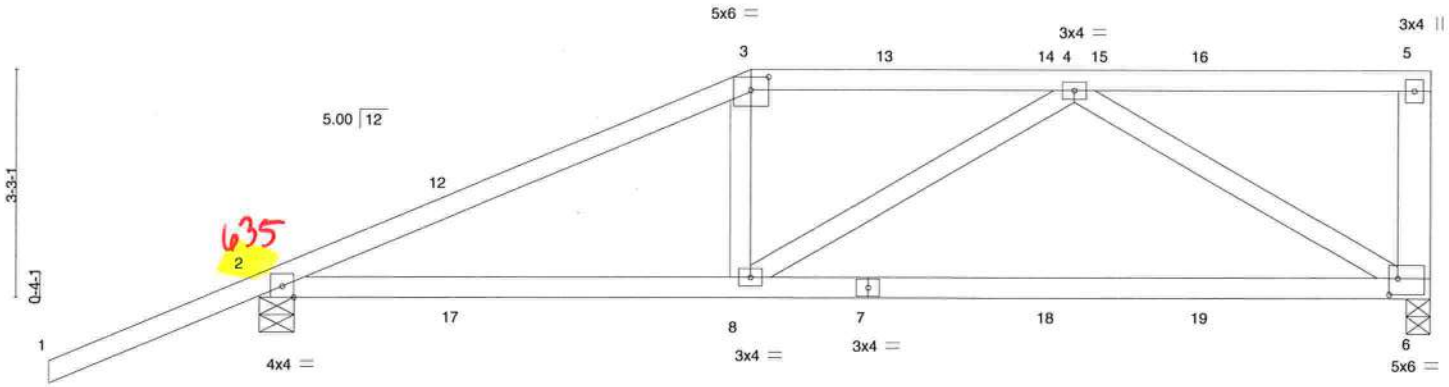

7-0-0 7-0-0 | 16-8-0 9-8-0

Plate 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		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	-0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 81 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-7: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
5-6: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

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
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.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	K03	Half Hip	1	1	T26001461
					Job Reference (optional)

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ID:UgQxGmVcx47rtgJsaR3RkyOxOc-REdZjQxyOH8k3UUMHCEFm_63fQjAxrJQts9bl_yId2L

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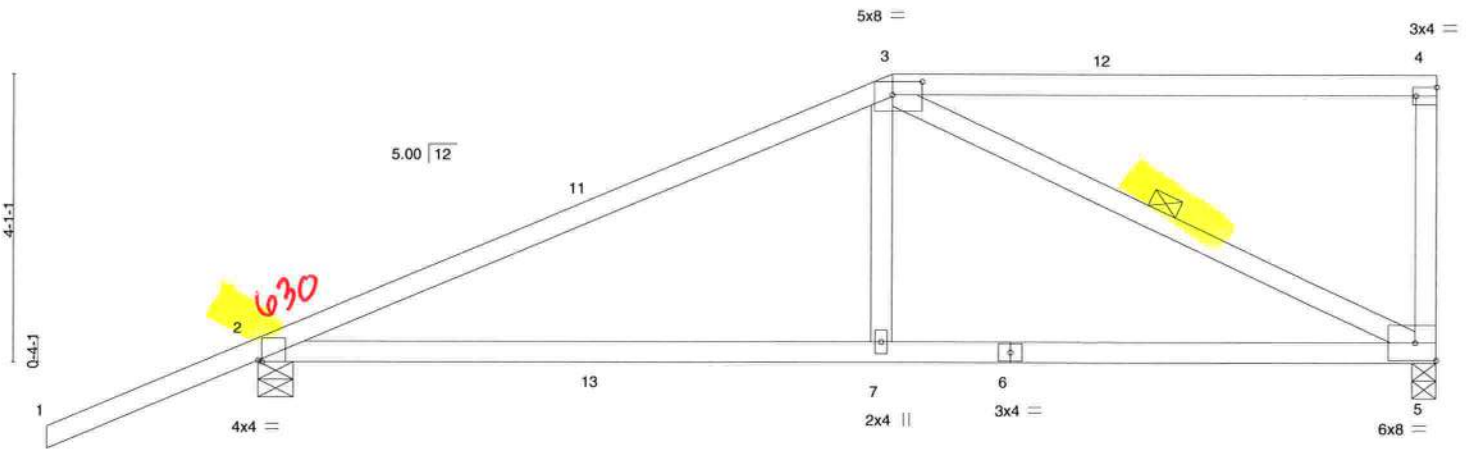

9-0-0 9-0-0 | 16-8-0 7-8-0

Plate Offsets (X,Y)-- [2:0-0-10,Edge], [3:0-5-0,0-2-4], [4:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.77	Vert(LL)	0.40	7-10	>501	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	0.32	7-10	>624	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(CT)	-0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS							Weight: 78 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-5

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-
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 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
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.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT3	Valley	1	1	T26001462
					Job Reference (optional)

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ID:UgQxGmVcx47rtgJsSaR3RkyOxOc-K?t4Yo_SSVe9X6n7W2IBwqHwD1HttlI0oU7pulyId2H

3-0-0
3-0-0

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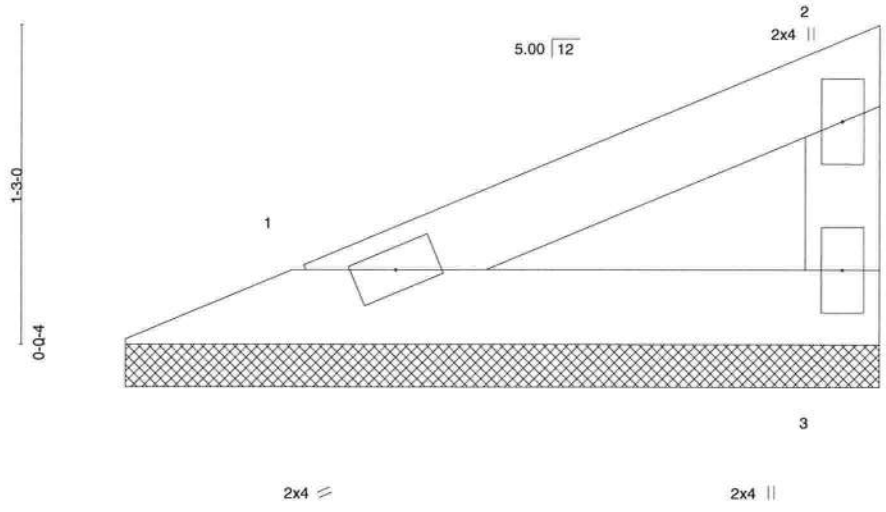

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 9 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-11-6, 3=2-11-6
Max Horz 1=38(LC 10)
Max Uplift 1=-18(LC 10), 3=-34(LC 10)
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.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT3A	Valley	1	1	T26001463
					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
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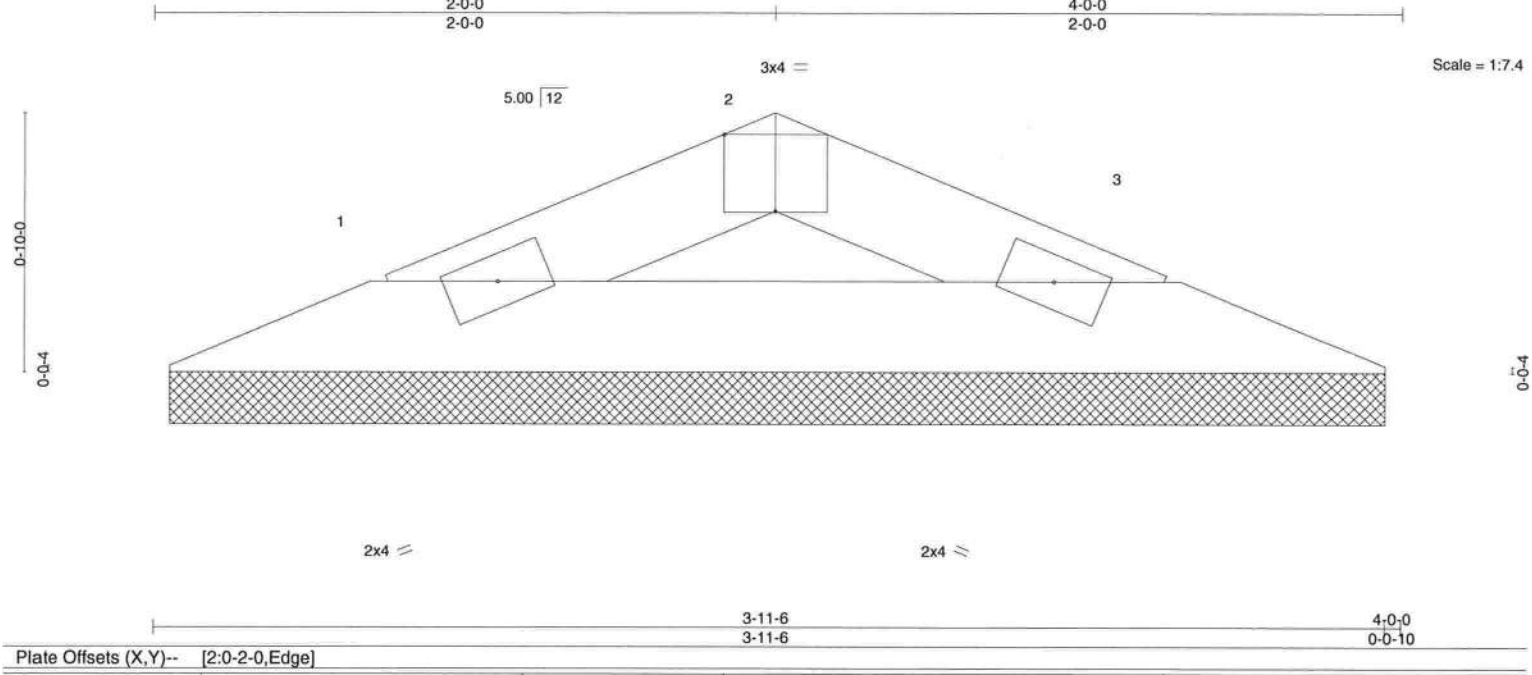

Plate Offsets (X,Y)-- [2:0-2-0,Edge]

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/TPI2014		Matrix-P							Weight: 10 lb	FT = 20%

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

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

REACTIONS. (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
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, 3.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT3B	Valley	1	1	T26001464
					Job Reference (optional)

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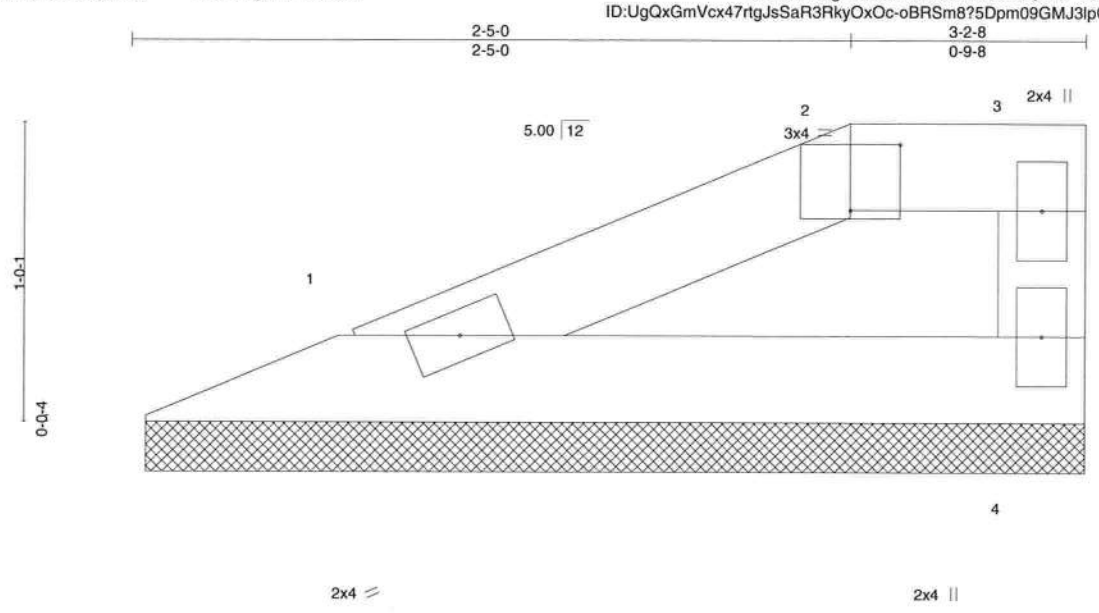

Plate Offsets (X,Y)-- [2:0-2-0,0-2-11]

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	0.12	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-R							Weight: 9 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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.

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
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.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT5	Valley	1	1	T26001465
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:42 2021 Page 1
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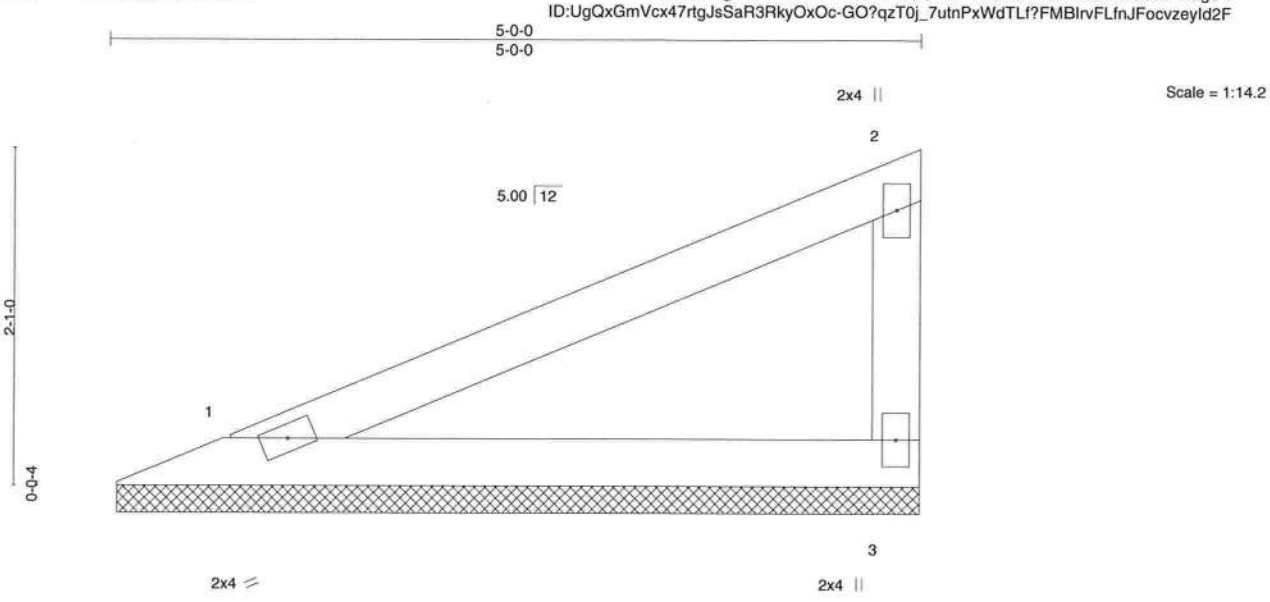

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.34	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 16 lb	FT = 20%

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

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

REACTIONS. (size) 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-
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) 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT5A	Valley	1	1	T26001466
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:43 2021 Page 1
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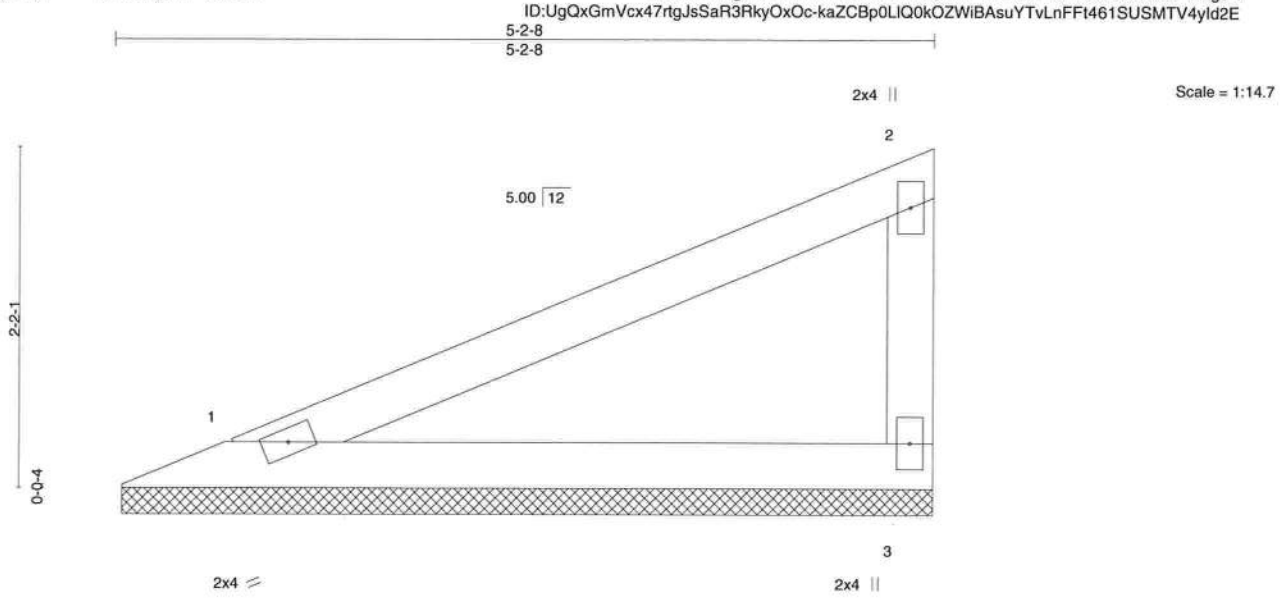

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 17 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (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.
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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT7	Valley	1	1	T26001467
					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
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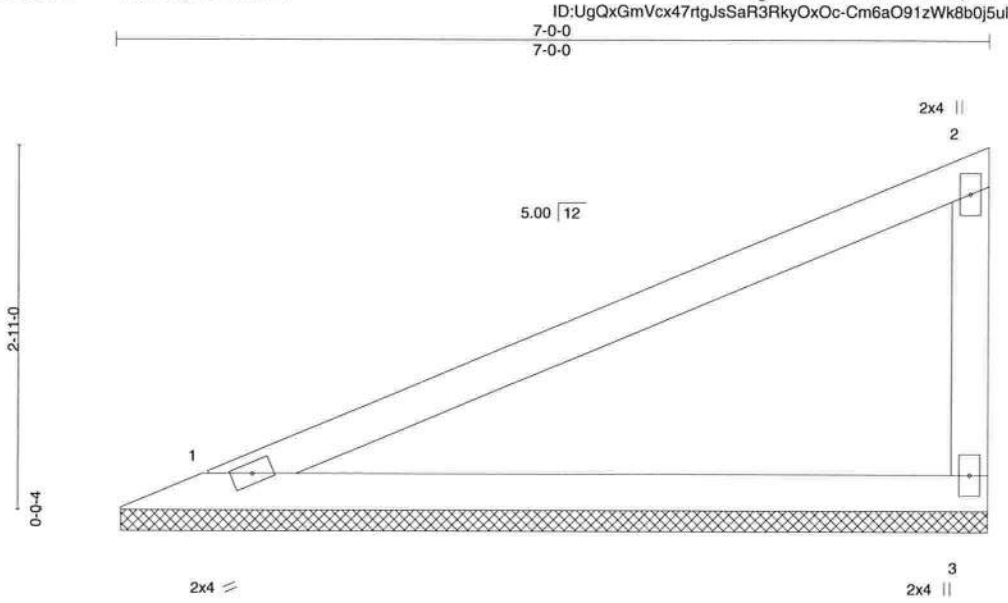

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.91	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.81	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (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-
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) 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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT7A	Valley	1	1	T26001468
					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
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4-0-0 (4-0-0) | 8-0-0 (4-0-0)

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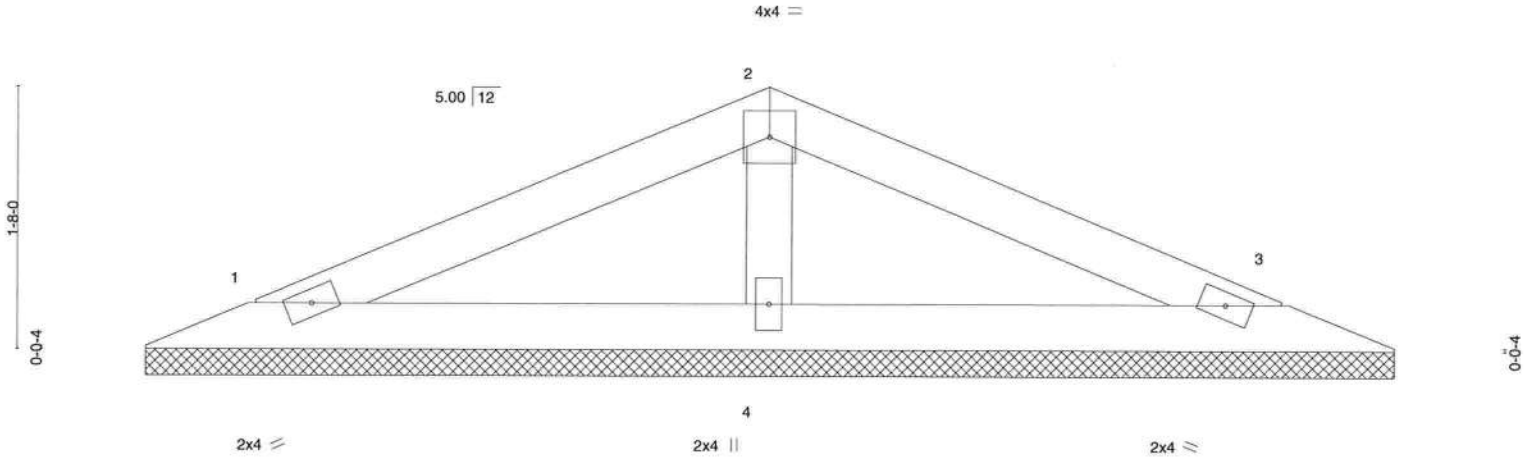

0-0-10 (0-0-10) | 4-0-0 (3-11-6) | 8-0-0 (4-0-0)

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	0.27	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.20	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/TPI2014		Matrix-P							Weight: 24 lb	FT = 20%

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

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

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.
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) 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) except (jt=lb) 1=100, 3=100.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT7B	Valley	1	1	T26001469
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:45 2021 Page 1
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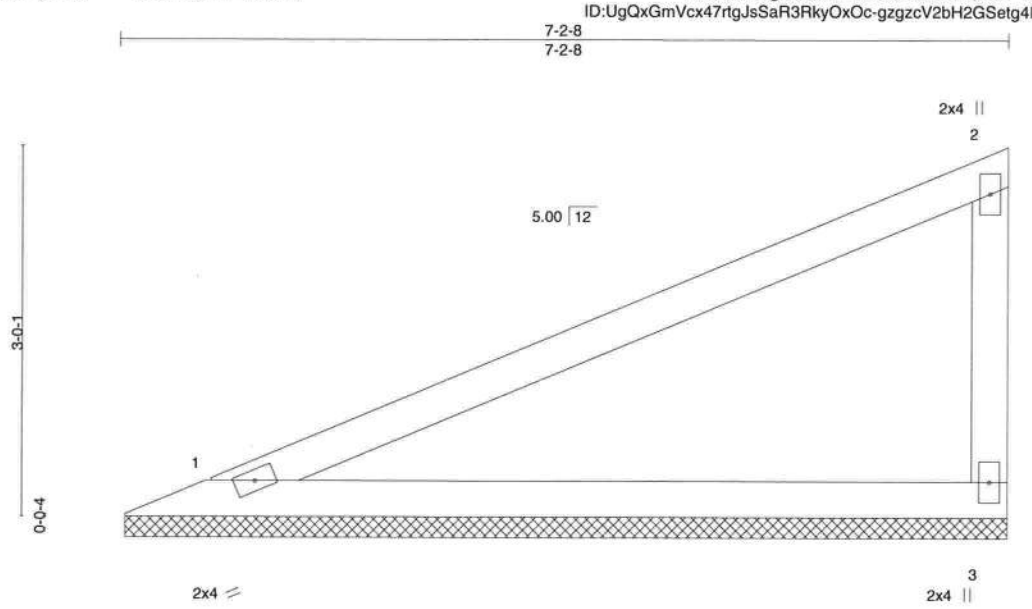

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.97	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 25 lb	FT = 20%

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

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

REACTIONS. (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)

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

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) 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 except (jt=lb) 3=101.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT9	Valley	1	1	T26001470
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:46 2021 Page 1
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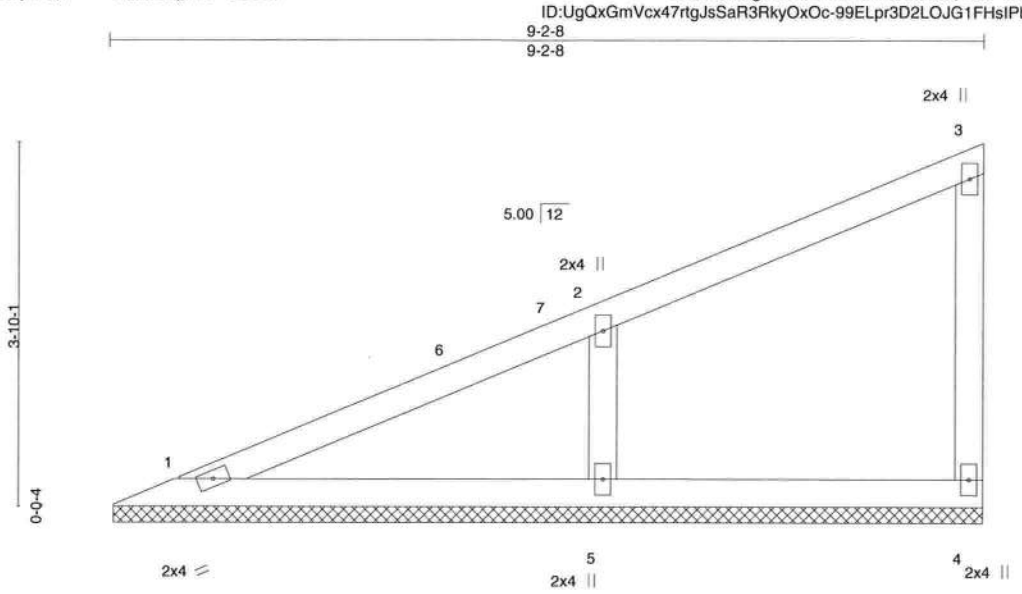


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

LUMBER-

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

BRACING-

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

REACTIONS. (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.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
November 17,2021

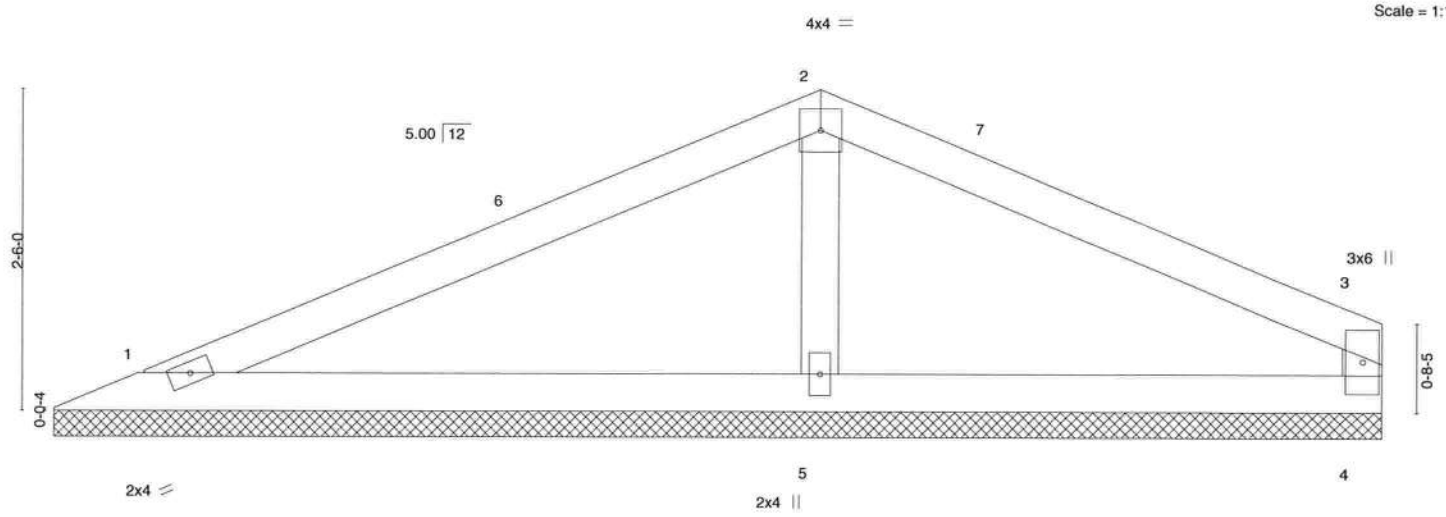
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT10	Valley	1	1	T26001471
					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-vQBxwmya9aGbge3YqvlUlCfHzqBFgN1Z6Wv8HRyld2K

6-0-0
6-0-0
10-4-0
4-4-0

Scale = 1:17.9



10-4-0
10-4-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.61	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		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 34 lb	FT = 20%

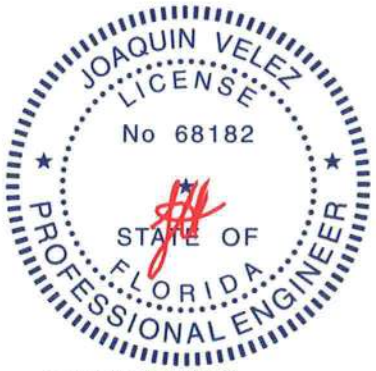
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.3
WEBS 2x4 SP No.3
OTHERS 2x4 SP No.3

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

REACTIONS. (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.
WEBS 2-5=-283/328

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, 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.



Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT12	Valley	1	1	T26001472
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:38 2021 Page 1
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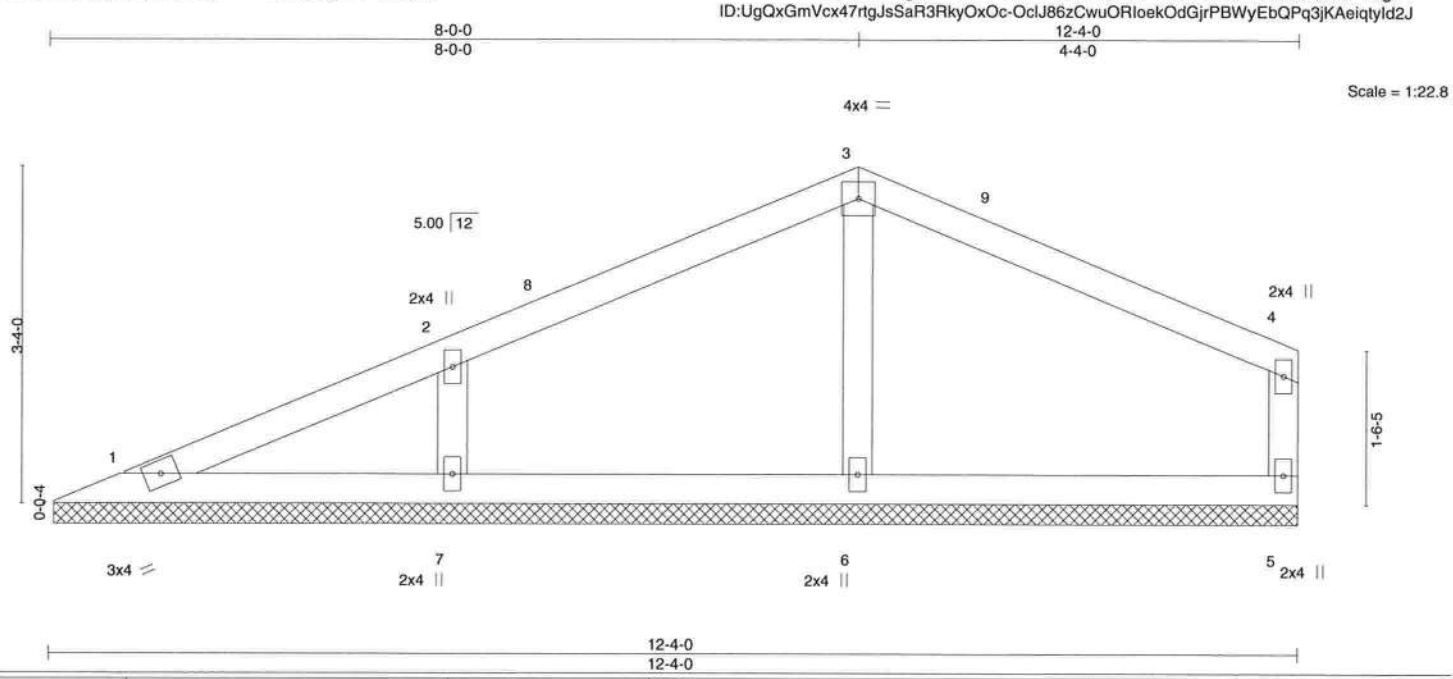

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 44 lb	FT = 20%

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

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

REACTIONS. All bearings 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

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 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.
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=154.

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
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MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	2920817
2920817	VT14	Valley	1	1	T26001473
					Job Reference (optional)

Builders FirstSource (Plant City, FL), Plant City, FL - 33567, 8.430 s Aug 16 2021 MiTek Industries, Inc. Tue Nov 16 11:35:39 2021 Page 1
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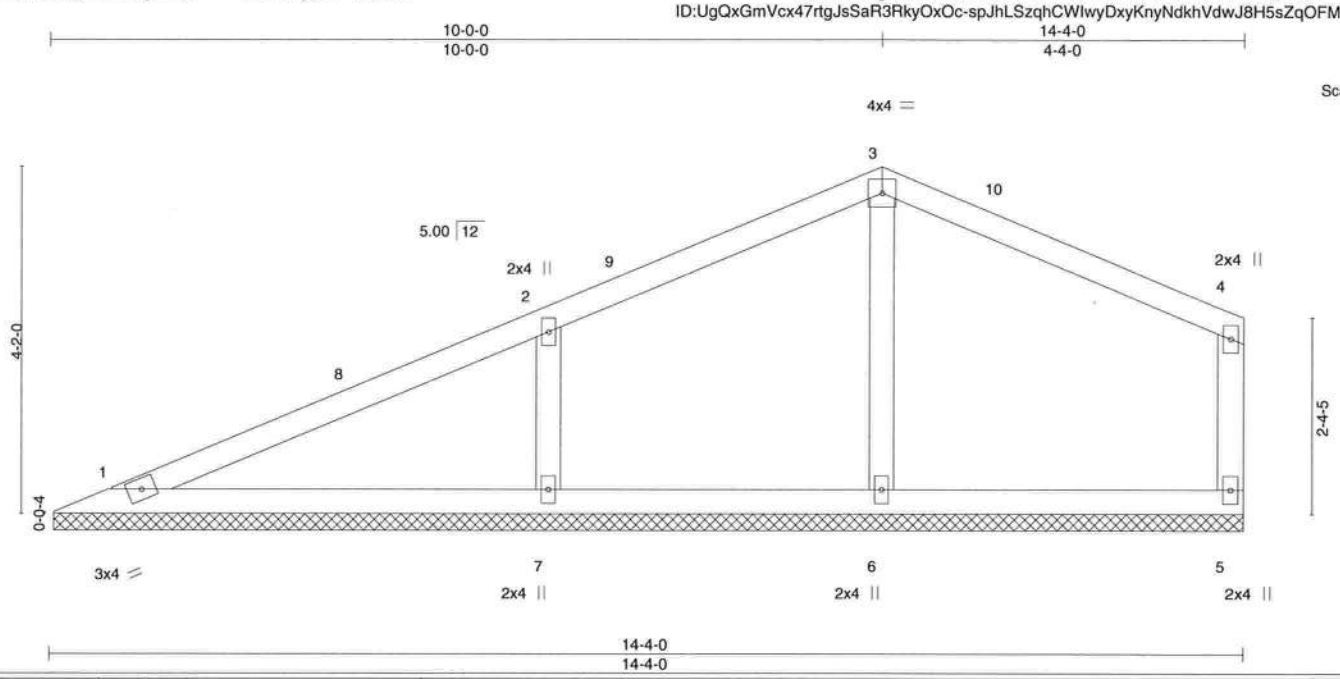


LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 54 lb	FT = 20%

LUMBER-

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

BRACING-

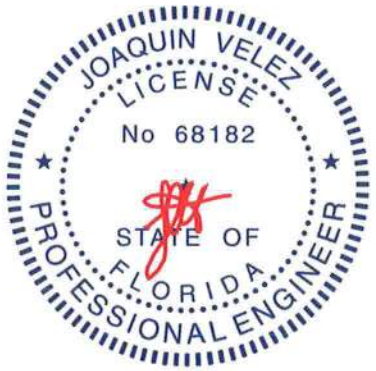
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 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 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.



Joaquin Velez PE No.68182
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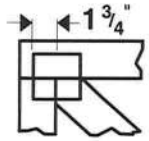
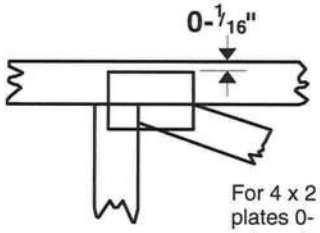
6904 Parke East Blvd.
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

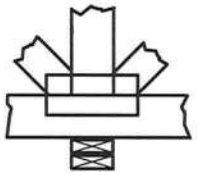
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

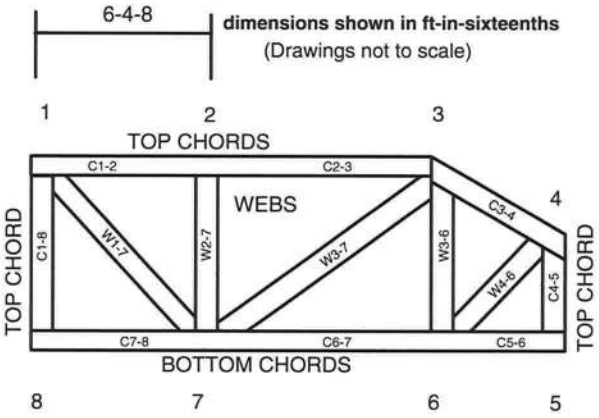


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

21. The design does not take into account any dynamic or other loads other than those expressly stated.