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

RE: 3582994 - IC CONST. - MEREDITH RES.

MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: IC CONSTRUCTION Project Name: Meredith Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty 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 8.5
Wind Code: ASCE 7-16 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 49 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	T31312320	CJ01	8/15/23	15	T31312334	HJ09	8/15/23
2	T31312321	CJ01A	8/15/23	16	T31312335	PB01	8/15/23
3	T31312322	CJ03	8/15/23	17	T31312336	PB01G	8/15/23
4	T31312323	CJ03A	8/15/23	18	T31312337	T01	8/15/23
5	T31312324	CJ05	8/15/23	19	T31312338	T01G	8/15/23
6	T31312325	EJ01	8/15/23	20	T31312339	T02	8/15/23
7	T31312326	EJ02	8/15/23	21	T31312340	T04	8/15/23
8	T31312327	EJ03	8/15/23	22	T31312341	T05	8/15/23
9	T31312328	EJ04	8/15/23	23	T31312342	T06	8/15/23
10	T31312329	EJ05	8/15/23	24	T31312343	T07	8/15/23
11	T31312330	EJ06	8/15/23	25	T31312344	T08	8/15/23
12	T31312331	HJ06	8/15/23	26	T31312345	T09	8/15/23
13	T31312332	HJ08	8/15/23	27	T31312346	T10	8/15/23
14	T31312333	HJ08A	8/15/23	28	T31312347	T11	8/15/23

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature.
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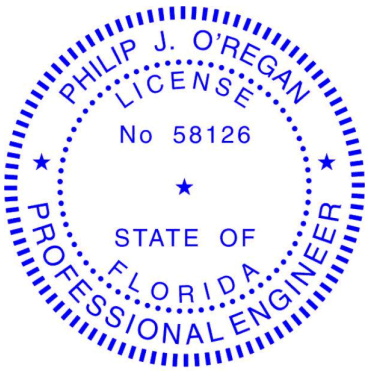
The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2025.

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.



Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

RE: 3582994 - IC CONST. - MEREDITH RES.

MiTek, Inc.
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

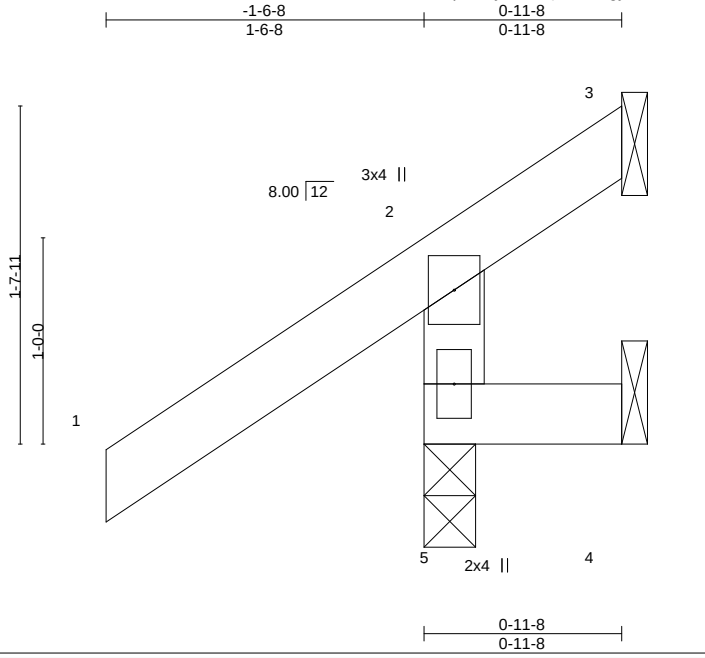
Site Information:

Customer Info: IC CONSTRUCTION Project Name: Meredith Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
29	T31312348	T12	8/15/23
30	T31312349	T13	8/15/23
31	T31312350	T14	8/15/23
32	T31312351	T15	8/15/23
33	T31312352	T16	8/15/23
34	T31312353	T17	8/15/23
35	T31312354	T18	8/15/23
36	T31312355	T19	8/15/23
37	T31312356	T20	8/15/23
38	T31312357	T21	8/15/23
39	T31312358	T22	8/15/23
40	T31312359	T22G	8/15/23
41	T31312360	T23	8/15/23
42	T31312361	T23G	8/15/23
43	T31312362	T24	8/15/23
44	T31312363	T25	8/15/23
45	T31312364	T26	8/15/23
46	T31312365	T26G	8/15/23
47	T31312366	T27	8/15/23
48	T31312367	T28	8/15/23
49	T31312368	T29	8/15/23

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	CJ01	Jack-Open	8	1	T31312320
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:55 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-ve1h8NI2g6d3joHAmRuzlwIUlASQpUla0xvQ0uynvOg



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	0.26	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	>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-MR							Weight: 7 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 0-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=42(LC 12)
Max Uplift 5=-53(LC 12), 3=-52(LC 1), 4=-14(LC 1)
Max Grav 5=217(LC 1), 3=13(LC 16), 4=11(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) zone; end vertical left 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) 5, 3, 4.

This item has been electronically signed and sealed by ORegan, Philip, PE using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	CJ01A	JACK-OPEN	4	1	T31312321
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:56 2023 Page 1
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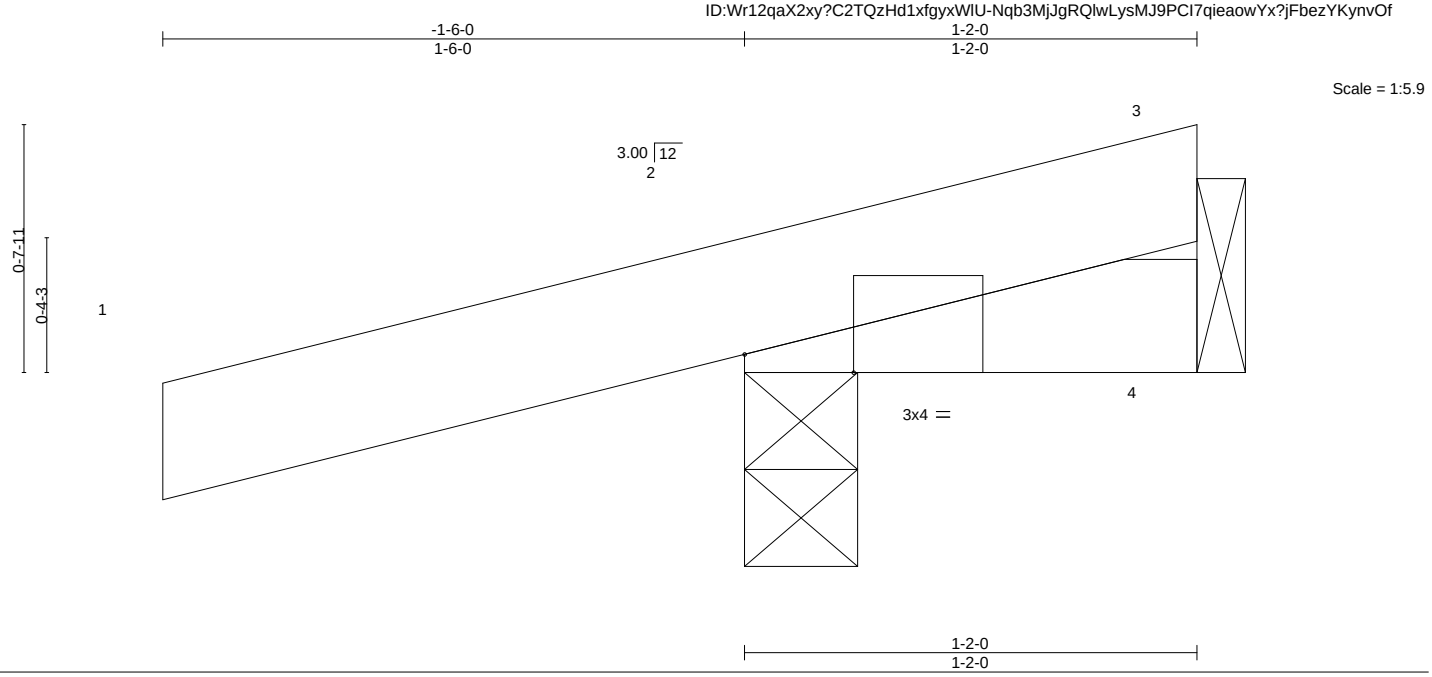

Plate Offsets (X,Y)-- [2:0-3-6,Edge]

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	0.12	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	5	>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: 6 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 1-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 4=Mechanical
Max Horz 2=27(LC 8)
Max Uplift 2=-114(LC 8), 4=-16(LC 1)
Max Grav 2=176(LC 1), 4=20(LC 16)

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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone 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) 4 except (jt=lb) 2=114.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312322
3582994	CJ03	Jack-Open	8	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:56 2023 Page 1
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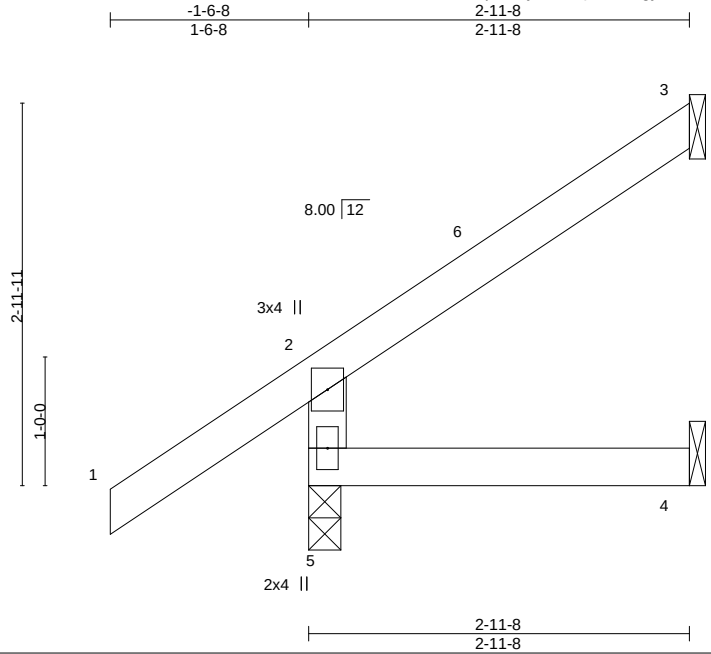

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.00	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 14 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 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=87(LC 12)
Max Uplift 5=-34(LC 12), 3=-52(LC 12), 4=-5(LC 12)
Max Grav 5=221(LC 1), 3=61(LC 19), 4=50(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 2-10-12 zone; end vertical left 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) 5, 3, 4.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312323
3582994	CJ03A	Jack-Open	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:57 2023 Page 1
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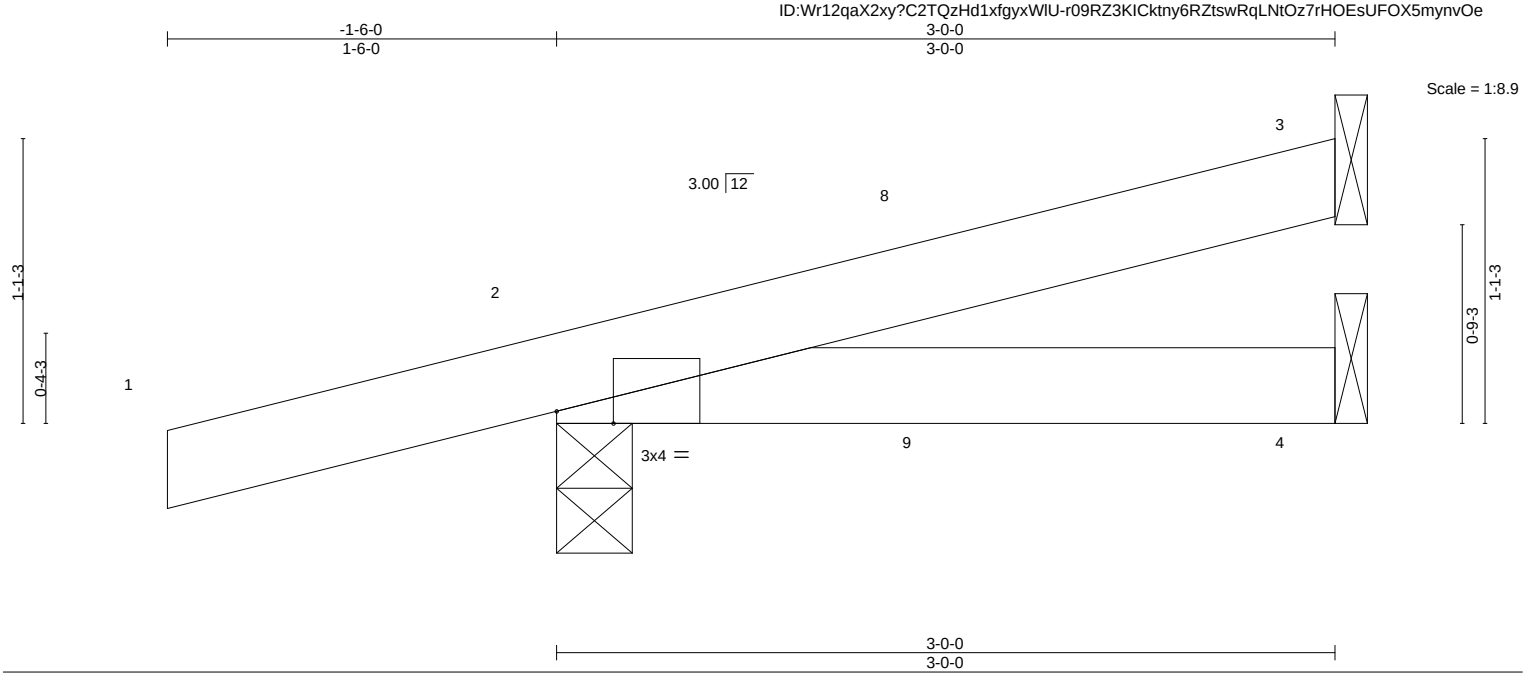

Plate Offsets (X,Y)-- [2:0-2-10,Edge]

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	0.12	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.10	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: 11 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=42(LC 8)
Max Uplift 3=-28(LC 8), 2=-121(LC 8), 4=-15(LC 9)
Max Grav 3=57(LC 1), 2=210(LC 1), 4=47(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 2-11-4 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) 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=121.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312324
3582994	CJ05	Jack-Open	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:58 2023 Page 1
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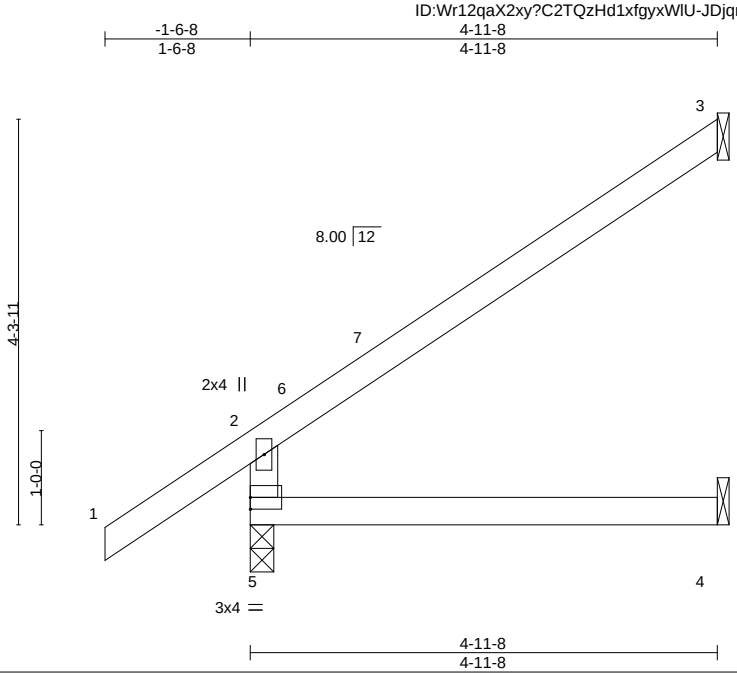

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 20 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 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=133(LC 12)
Max Uplift 5=-35(LC 12), 3=-91(LC 12), 4=-5(LC 12)
Max Grav 5=283(LC 1), 3=120(LC 19), 4=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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 4-10-12 zone; end vertical left 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) 5, 3, 4.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312325
3582994	EJ01	Jack-Open	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:58 2023 Page 1
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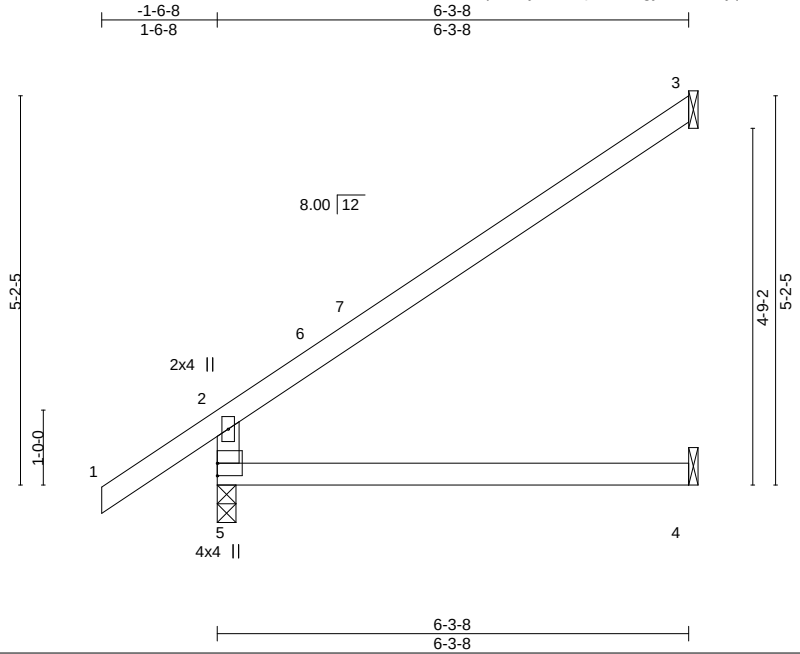

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	0.08	4-5	>901	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.14	4-5	>530	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.06	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 24 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=164(LC 12)
Max Uplift 5=-36(LC 12), 3=-115(LC 12), 4=-6(LC 12)
Max Grav 5=329(LC 1), 3=157(LC 19), 4=113(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-5=-275/154

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 6-2-12 zone; end vertical left 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) 5, 4 except (jt=lb) 3=115.

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312326
3582994	EJ02	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:21:59 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-nPHC_lLYkL8UCPbx?HyvwmSCcnfNlAd9xZtd9fynvOc

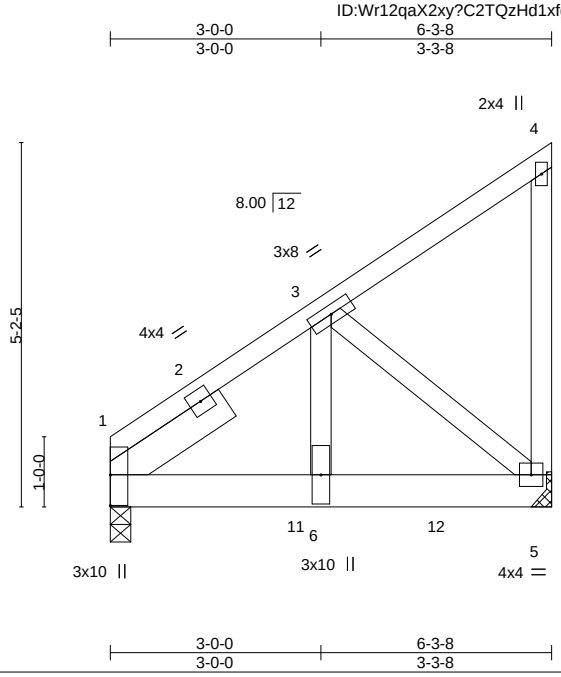

Plate Offsets (X,Y)-- [1:Edge,0-0-0]

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	0.14	Vert(LL)	-0.02	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.03	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.52	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 46 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-4-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=Mechanical
Max Horz 1=141(LC 8)
Max Uplift 1=-216(LC 8), 5=-288(LC 8)
Max Grav 1=1633(LC 2), 5=1270(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-1206/152
BOT CHORD 1-6=-228/983, 5-6=-228/983
WEBS 3-6=-199/1365, 3-5=-1275/296

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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) 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) except (jt=lb) 1=216, 5=288.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 843 lb down and 135 lb up at 0-8-4, and 835 lb down and 143 lb up at 2-8-4, and 832 lb down and 143 lb up at 4-8-4 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: 5-7=-20, 1-4=-54
Concentrated Loads (lb)
Vert: 9=-764(F) 11=-761(F) 12=-761(F)

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August 15,2023

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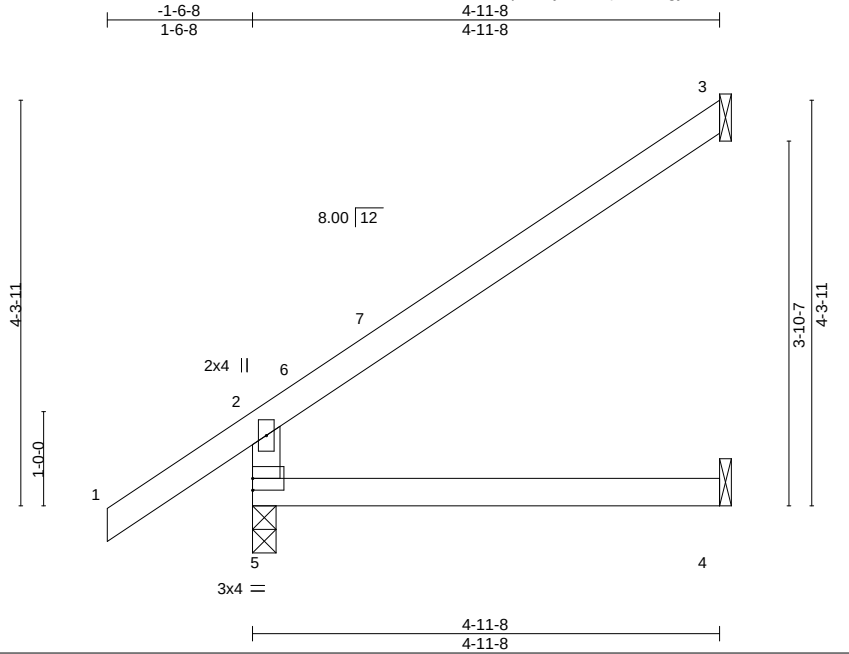
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312327
3582994	EJ03	Jack-Open	16	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:00 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-GbraC5MBVfGLpZA8Y_U8Sz?JKB6tUl_JADcBi5ynvOb



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	0.40	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.05	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 20 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 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 5=0-3-0, 3=Mechanical, 4=Mechanical
Max Horz 5=133(LC 12)
Max Uplift 5=-35(LC 12), 3=-91(LC 12), 4=-5(LC 12)
Max Grav 5=283(LC 1), 3=120(LC 19), 4=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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 4-10-12 zone; end vertical left 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) 5, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	EJ04	Jack-Open	1	1	T31312328
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:00 2023 Page 1
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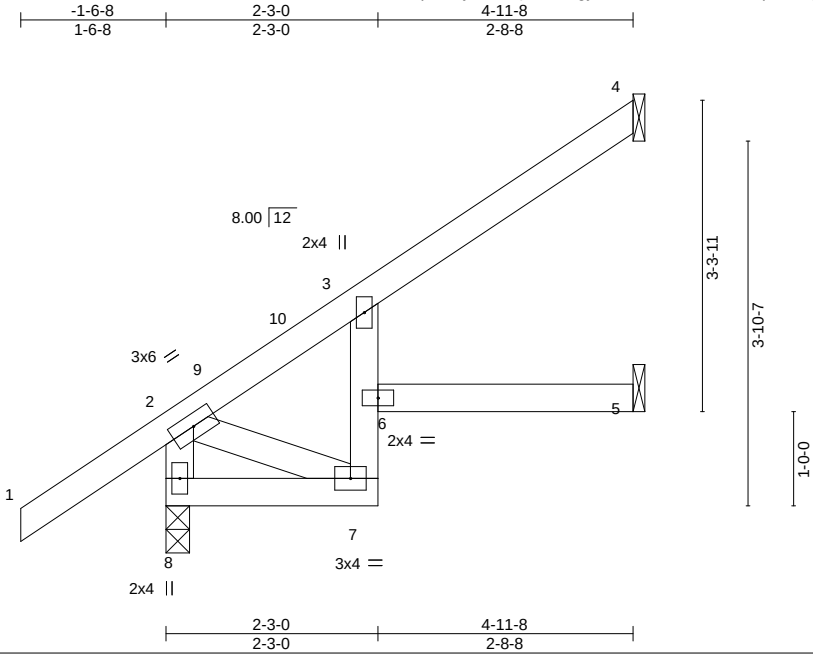

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	0.10	7	>553	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.11	7	>515	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.06	5	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MP							Weight: 25 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 8=0-3-0, 4=Mechanical, 5=Mechanical
Max Horz 8=133(LC 12)
Max Uplift 8=-35(LC 12), 4=-104(LC 12)
Max Grav 8=283(LC 1), 4=147(LC 19), 5=56(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-263/121

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 4-10-12 zone; end vertical left 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) 8 except (jt=lb) 4=104.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312329
3582994	EJ05	Half Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:01 2023 Page 1
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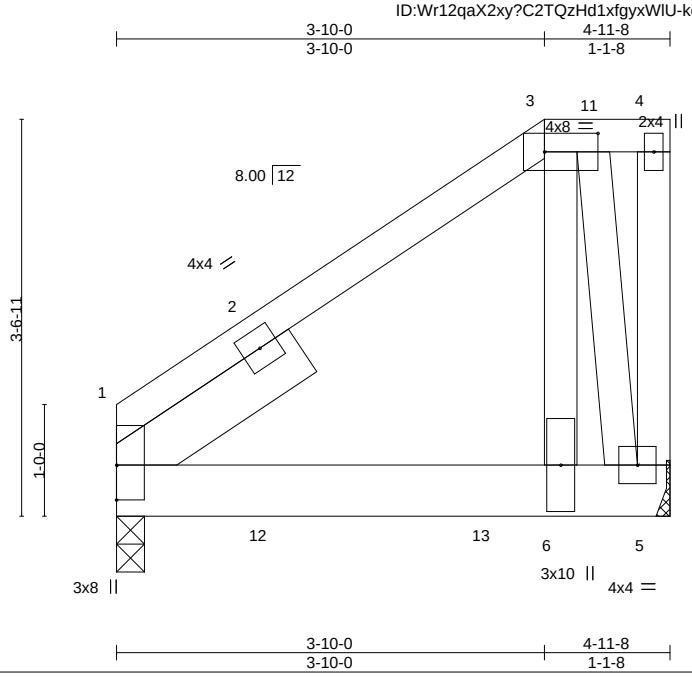

Plate Offsets (X,Y)-- [1:Edge,0-0-0], [3:0-5-12,0-2-0]

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	0.25	Vert(LL)	-0.02	6-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.04	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.46	Horz(CT)	0.02	1	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 38 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-0, 5=Mechanical
Max Horz 1=89(LC 8)
Max Uplift 1=-125(LC 8), 5=-221(LC 8)
Max Grav 1=769(LC 2), 5=751(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-3=-562/136
BOT CHORD 1-6=-83/288, 5-6=-96/343
WEBS 3-6=-297/1200, 3-5=-1167/328

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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; 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) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=125, 5=221.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 605 lb down and 109 lb up at 1-4-4, and 581 lb down and 140 lb up at 3-4-4, and 61 lb down and 40 lb up at 3-10-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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=-54, 3-4=-54, 5-7=-20
Concentrated Loads (lb)
Vert: 6=-26(F) 12=-536(B) 13=-534(B)

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	EJ06	Jack-Open	8	1	T31312330
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:02 2023 Page 1
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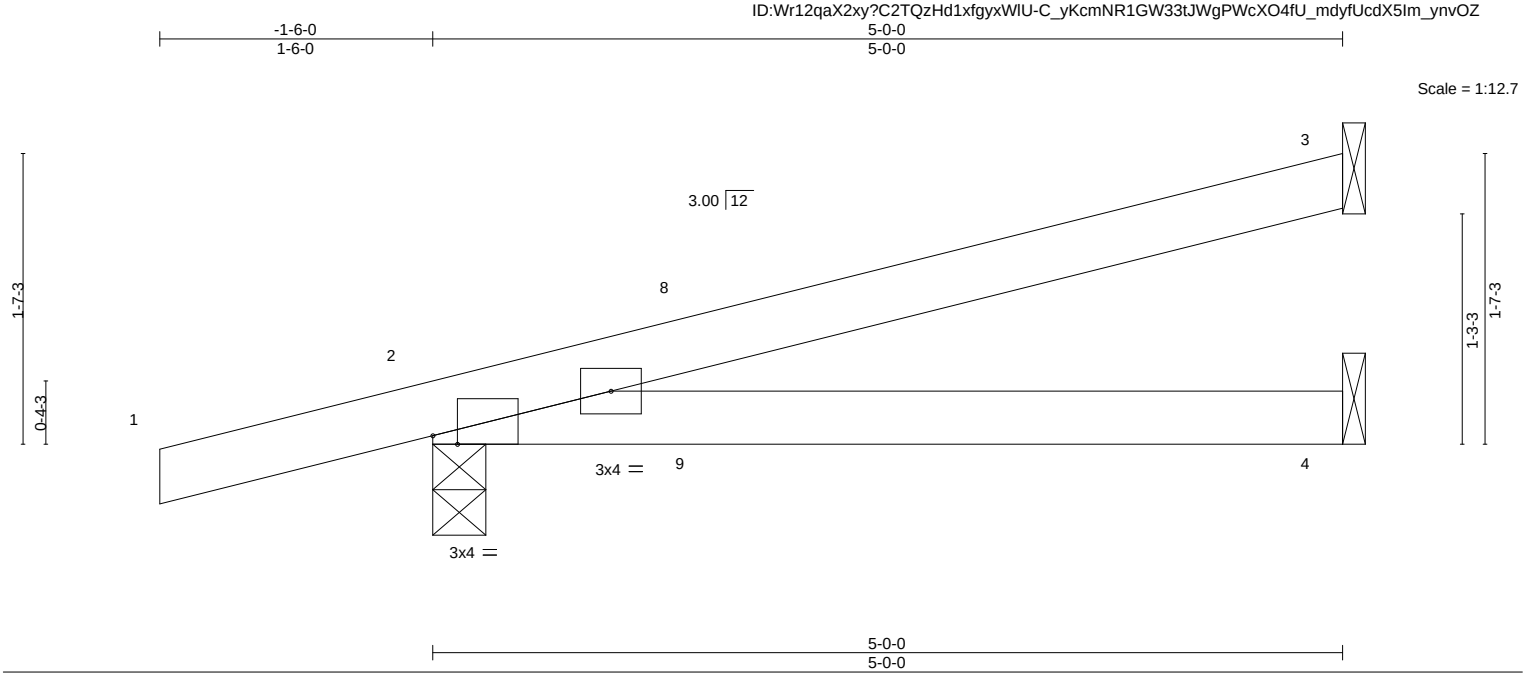

Plate Offsets (X,Y)-- [2:0-1-10,Edge]

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	0.36	Vert(LL)	0.09	4-7	>673	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.38	Vert(CT)	0.08	4-7	>767	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: 18 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=60(LC 8)
Max Uplift 3=-57(LC 8), 2=-149(LC 8), 4=-30(LC 8)
Max Grav 3=110(LC 1), 2=276(LC 1), 4=85(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 4-11-4 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) 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=149.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312331
3582994	HJ06	Diagonal Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:02 2023 Page 1
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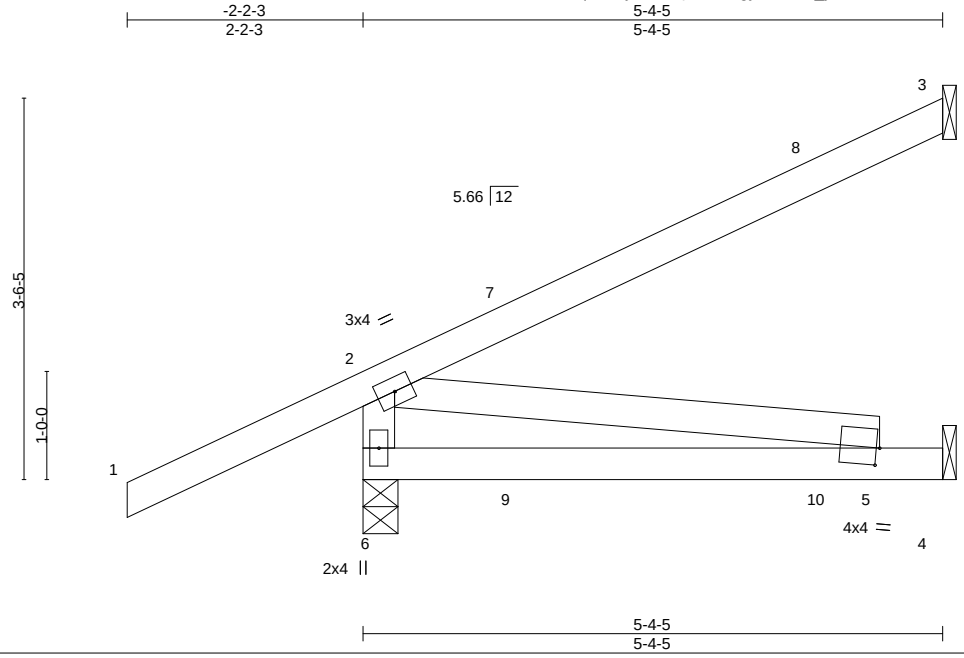

Plate Offsets (X,Y)-- [5:0-0-6,0-1-15]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.04	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	-0.09	5-6	>726	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MP							Weight: 28 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 5-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-3-14, 3=Mechanical, 4=Mechanical
Max Horz 6=107(LC 8)
Max Uplift 6=-157(LC 8), 3=-114(LC 8), 4=-29(LC 8)
Max Grav 6=294(LC 1), 3=127(LC 34), 4=104(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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) 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) 6=157, 3=114.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 129 lb up at 1-5-5, 55 lb down and 129 lb up at 1-5-5, and 76 lb down and 54 lb up at 4-3-4, and 76 lb down and 54 lb up at 4-3-4 on top chord, and 10 lb down and 45 lb up at 1-5-5, 10 lb down and 45 lb up at 1-5-5, and 25 lb down and 12 lb up at 4-3-4, and 25 lb down and 12 lb up at 4-3-4 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: 1-2=-54, 2-3=-54, 4-6=-20
Concentrated Loads (lb)
Vert: 7=66(F=33, B=33) 10=4(F=2, B=2)

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	HJ08	Diagonal Hip Girder	2	1	T31312332
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:03 2023 Page 1
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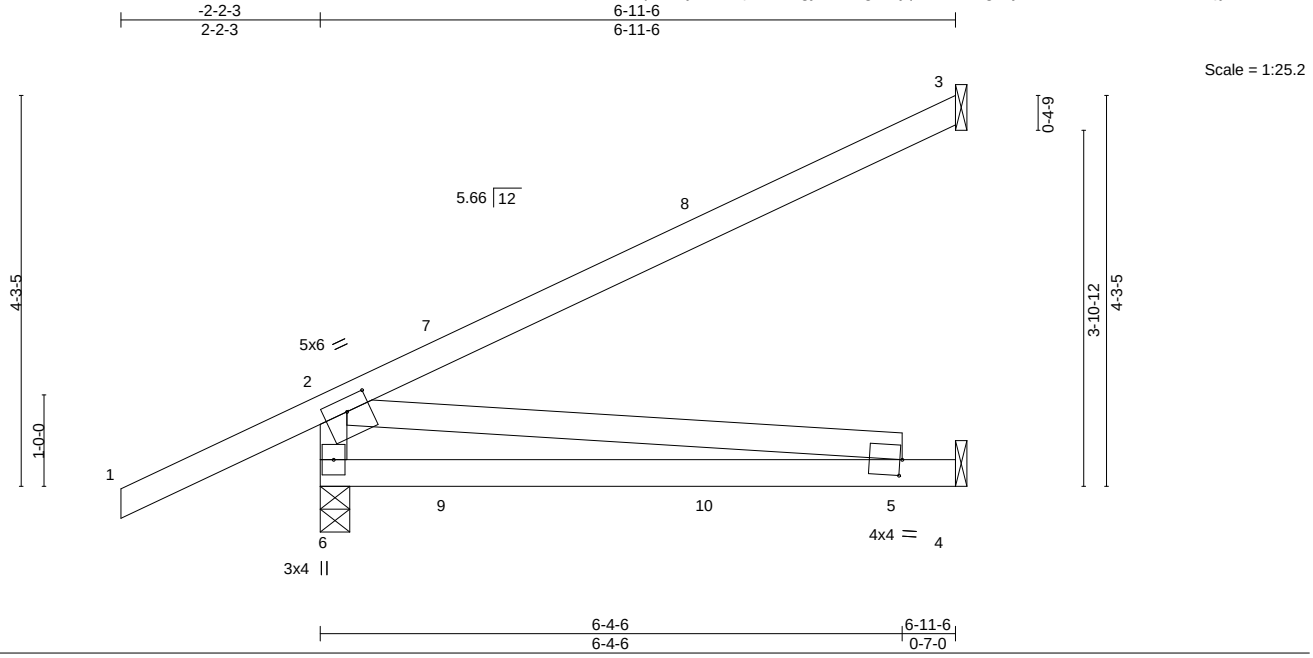

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12], [5:0-0-5,0-2-2]

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	0.53	Vert(LL)	-0.09	5-6	>887	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	-0.18	5-6	>446	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(CT)	-0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 6=0-3-14, 3=Mechanical, 4=Mechanical
Max Horz 6=133(LC 8)
Max Uplift 6=-176(LC 8), 3=-105(LC 8), 4=-38(LC 8)
Max Grav 6=342(LC 1), 3=137(LC 1), 4=131(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-6=-266/151
BOT CHORD 5-6=-344/264
WEBS 2-5=-266/347

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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) 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) 6=176, 3=105.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 129 lb up at 1-5-5, 55 lb down and 129 lb up at 1-5-5, and 81 lb down and 53 lb up at 4-3-4, and 81 lb down and 53 lb up at 4-3-4 on top chord, and 10 lb down and 45 lb up at 1-5-5, 10 lb down and 45 lb up at 1-5-5, and 24 lb down and 12 lb up at 4-3-4, and 24 lb down and 12 lb up at 4-3-4 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: 1-2=-54, 2-3=-54, 4-6=-20
Concentrated Loads (lb)
Vert: 7=66(F=33, B=33) 10=4(F=2, B=2)

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312333
3582994	HJ08A	Diagonal Hip Girder	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:04 2023 Page 1
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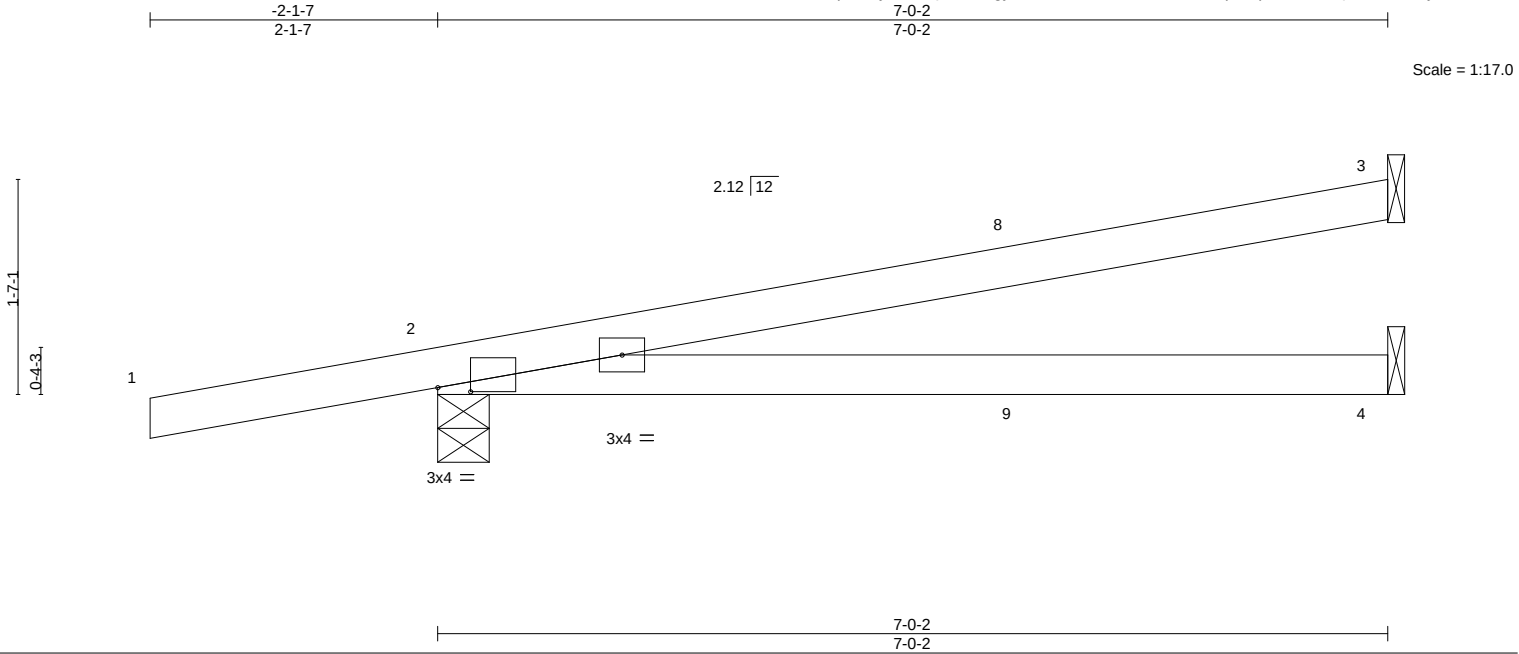

Plate Offsets (X,Y)-- [2:0-2-15,0-0-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.14	4-7	>596	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.21	4-7	>400	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 24 lb	FT = 20%

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

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

REACTIONS. (size) 3=Mechanical, 2=0-4-9, 4=Mechanical
Max Horz 2=59(LC 4)
Max Uplift 3=-78(LC 4), 2=-219(LC 4), 4=-44(LC 4)
Max Grav 3=157(LC 1), 2=394(LC 1), 4=121(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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) 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=219.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 21 lb down and 33 lb up at 4-4-0, and 21 lb down and 33 lb up at 4-4-0 on top chord, and 44 lb down and 22 lb up at 1-6-1, 44 lb down and 22 lb up at 1-6-1, and 18 lb down and 23 lb up at 4-4-0, and 18 lb down and 23 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: 1-3=-54, 4-5=-20
Concentrated Loads (lb)
Vert: 8=-0(F=-0, B=-0) 9=-13(F=-7, B=-7)

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312334
3582994	HJ09	Diagonal Hip Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:05 2023 Page 1
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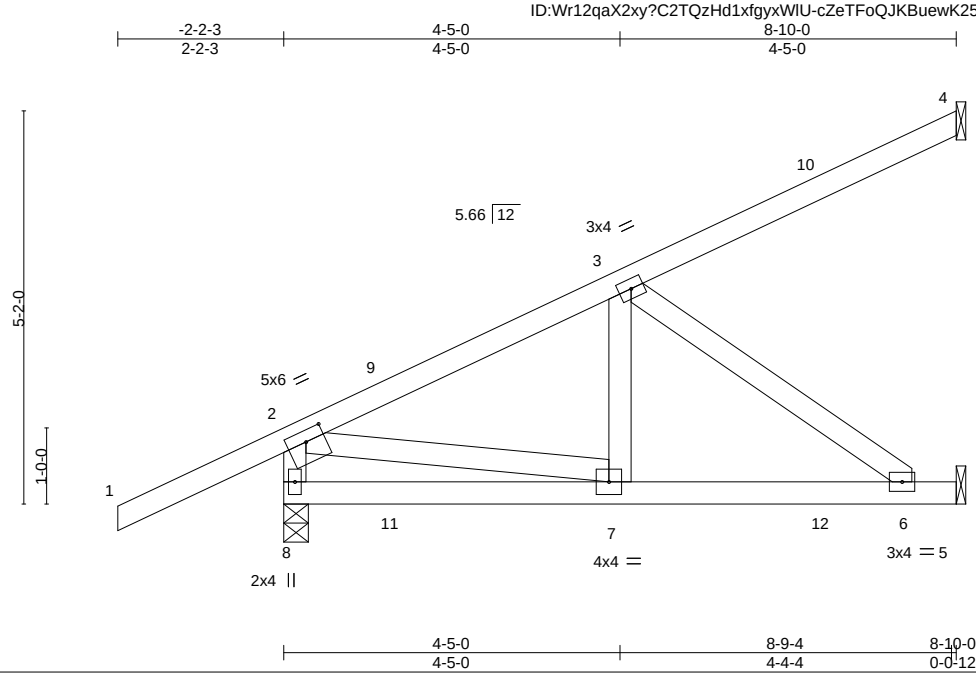

Plate Offsets (X,Y)-- [2:0-3-0,0-1-12]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.07	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 49 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 8=0-3-14, 4=Mechanical, 5=Mechanical
Max Horz 8=163(LC 8)
Max Uplift 8=-221(LC 8), 4=-115(LC 8), 5=-157(LC 8)
Max Grav 8=434(LC 35), 4=135(LC 1), 5=276(LC 32)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-8=-397/212, 2-3=-476/193
BOT CHORD 6-7=-247/342
WEBS 2-7=-160/451, 3-6=-423/305

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left 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) 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) except (jt=lb) 8=221, 4=115, 5=157.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 55 lb down and 129 lb up at 1-5-5, 55 lb down and 129 lb up at 1-5-5, 81 lb down and 53 lb up at 4-3-4, 81 lb down and 53 lb up at 4-3-4, and 111 lb down and 101 lb up at 7-1-3, and 111 lb down and 101 lb up at 7-1-3 on top chord, and 10 lb down and 45 lb up at 1-5-5, 10 lb down and 45 lb up at 1-5-5, 24 lb down and 12 lb up at 4-3-4, 24 lb down and 12 lb up at 4-3-4, and 46 lb down and 19 lb up at 7-1-3, and 46 lb down and 19 lb up at 7-1-3 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: 1-2=-54, 2-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 7=4(F=2, B=2) 9=66(F=33, B=33) 10=-66(F=-33, B=-33) 12=-44(F=-22, B=-22)

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312335
3582994	PB01	Piggyback	14	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:05 2023 Page 1
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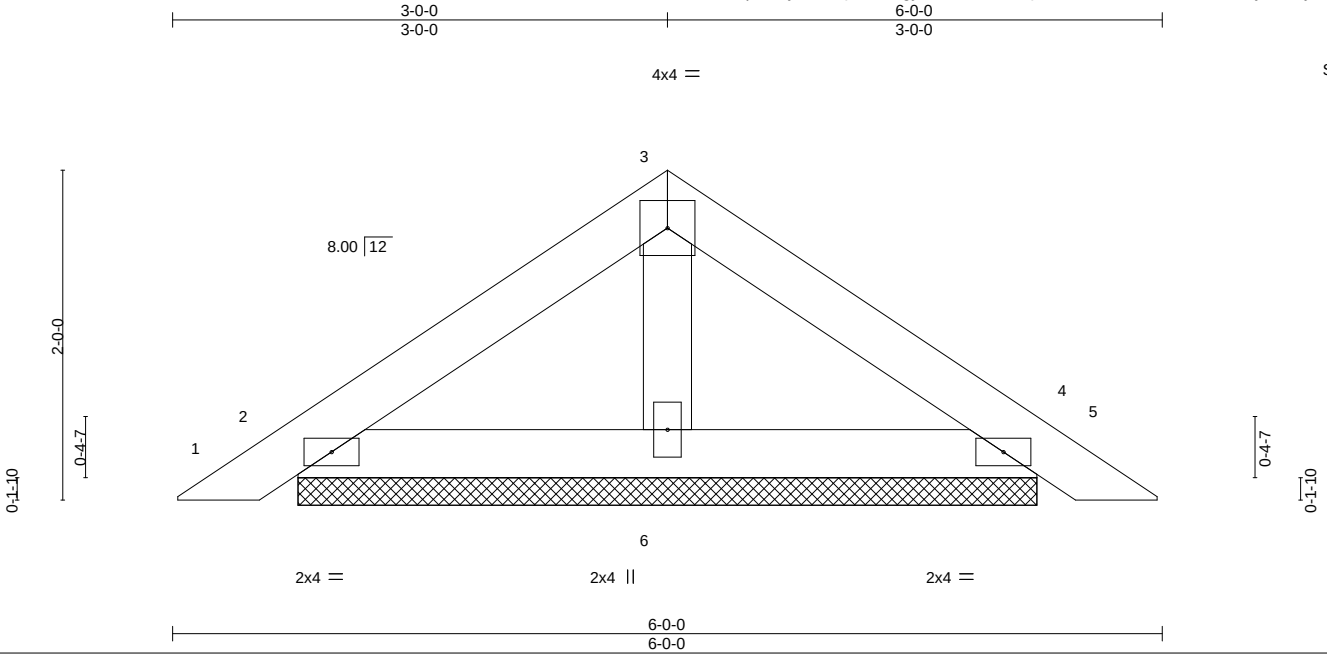

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 2=4-5-12, 4=4-5-12, 6=4-5-12
Max Horz 2=40(LC 11)
Max Uplift 2=-38(LC 12), 4=-44(LC 13), 6=-10(LC 12)
Max Grav 2=117(LC 1), 4=117(LC 1), 6=149(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone 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) 2, 4, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312336
3582994	PB01G	GABLE	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:06 2023 Page 1
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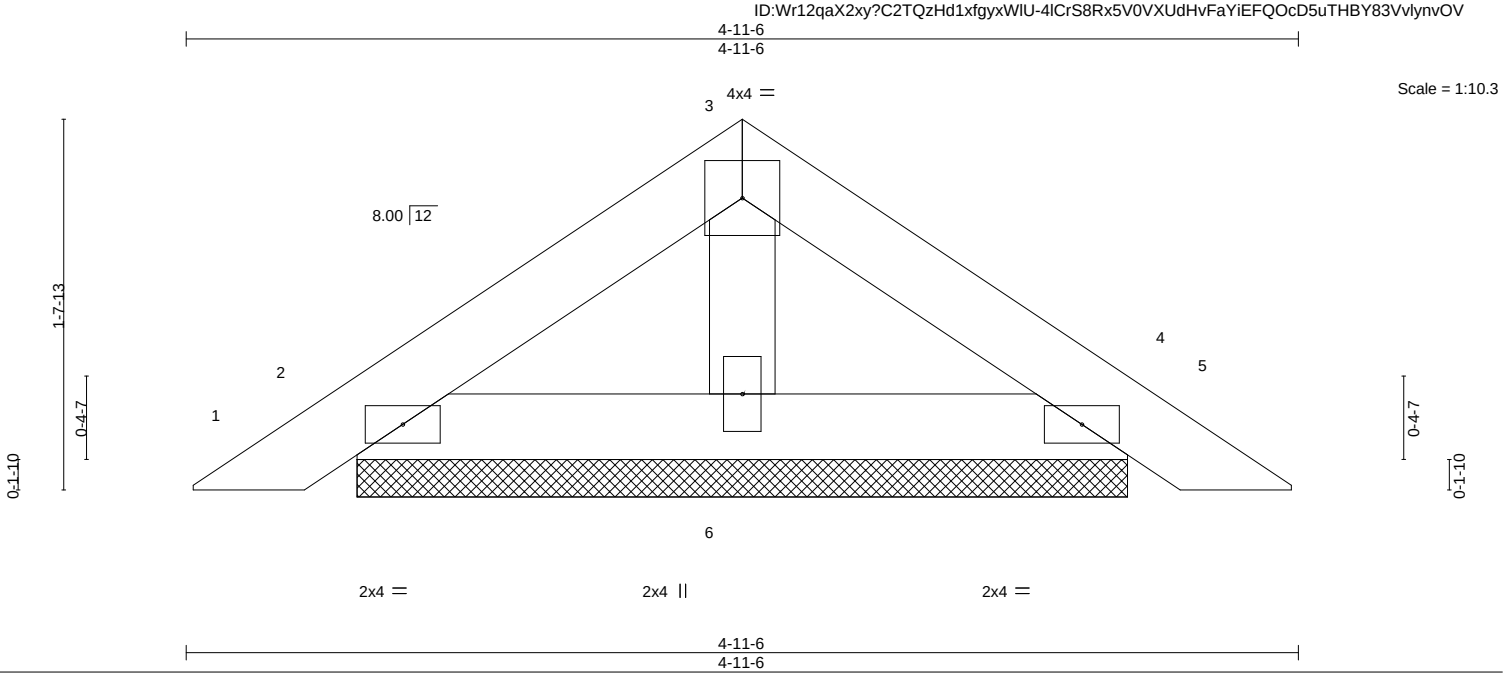

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.04	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-P							Weight: 15 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 4-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=3-5-2, 4=3-5-2, 6=3-5-2
Max Horz 2=-32(LC 10)
Max Uplift 2=-33(LC 12), 4=-37(LC 13), 6=-6(LC 12)
Max Grav 2=97(LC 1), 4=97(LC 1), 6=112(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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone 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) 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 requires continuous bottom chord bearing.
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) 2, 4, 6.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

August 15,2023

MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312337
3582994	T01	Common	9	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:07 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-YymDgURaro8M9eCUTy6nESnQ3?M8doxLnop3RBynvOU

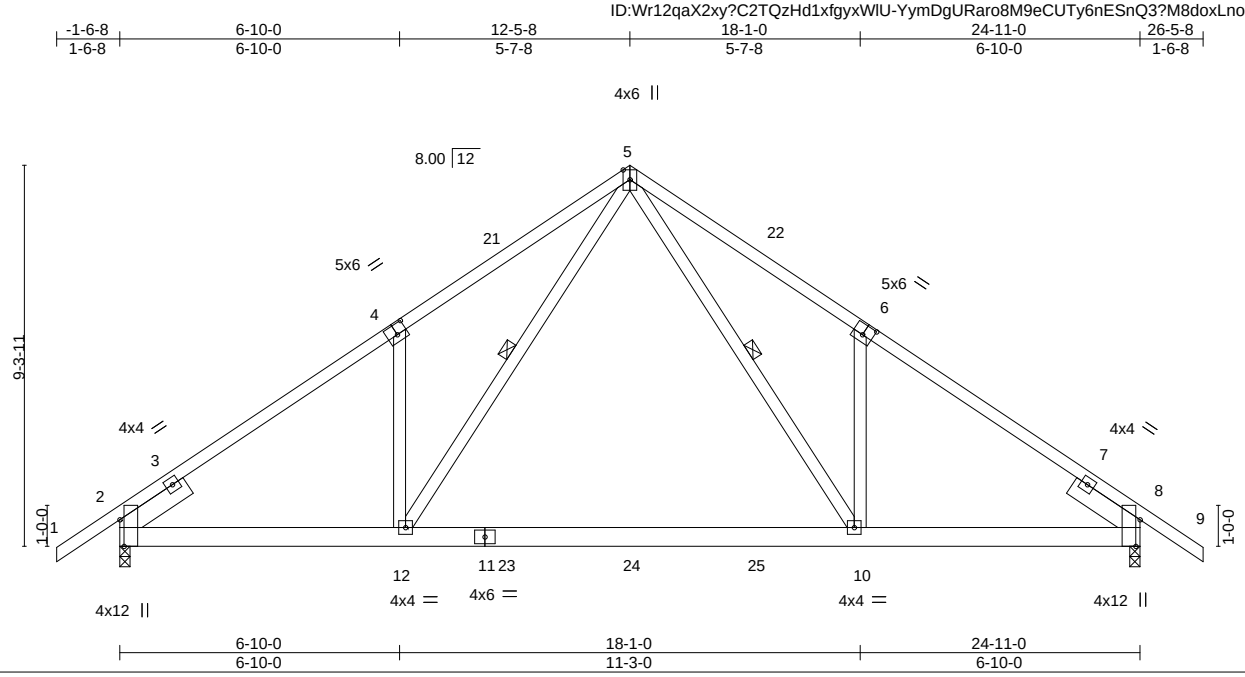

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [4:0-3-0,0-3-0], [6:0-3-0,0-3-0], [8:0-7-13,Edge]

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	0.75	Vert(LL)	0.56	10-12	>538	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.87	Vert(CT)	-0.59	10-12	>511	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 162 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-4,6-9: 2x4 SP No.1
BOT CHORD	2x6 SP No.2 *Except*
	8-11: 2x6 SP M 26
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-1-2 oc bracing.
WEBS	1 Row at midpt 5-10, 5-12

REACTIONS. (size) 2=0-3-0, 8=0-3-0
Max Horz 2=-206(LC 10)
Max Uplift 2=-304(LC 12), 8=-304(LC 13)
Max Grav 2=1390(LC 2), 8=1390(LC 2)

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

TOP CHORD	2-4=-1895/1521, 4-5=-1866/1618, 5-6=-1902/1652, 6-8=-1928/1552
BOT CHORD	2-12=-1134/1555, 10-12=-623/989, 8-10=-1173/1533
WEBS	5-10=-1021/1100, 6-10=-288/250, 5-12=-970/1047, 4-12=-283/250

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 12-5-8, Exterior(2R) 12-5-8 to 15-5-8, Interior(1) 15-5-8 to 26-5-8 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
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=304, 8=304.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-9=-54, 12-13=-20, 10-12=-80(F=-60), 10-17=-20

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Philip J. O'Regan PE No.58126
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312338
3582994	T01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:08 2023 Page 1
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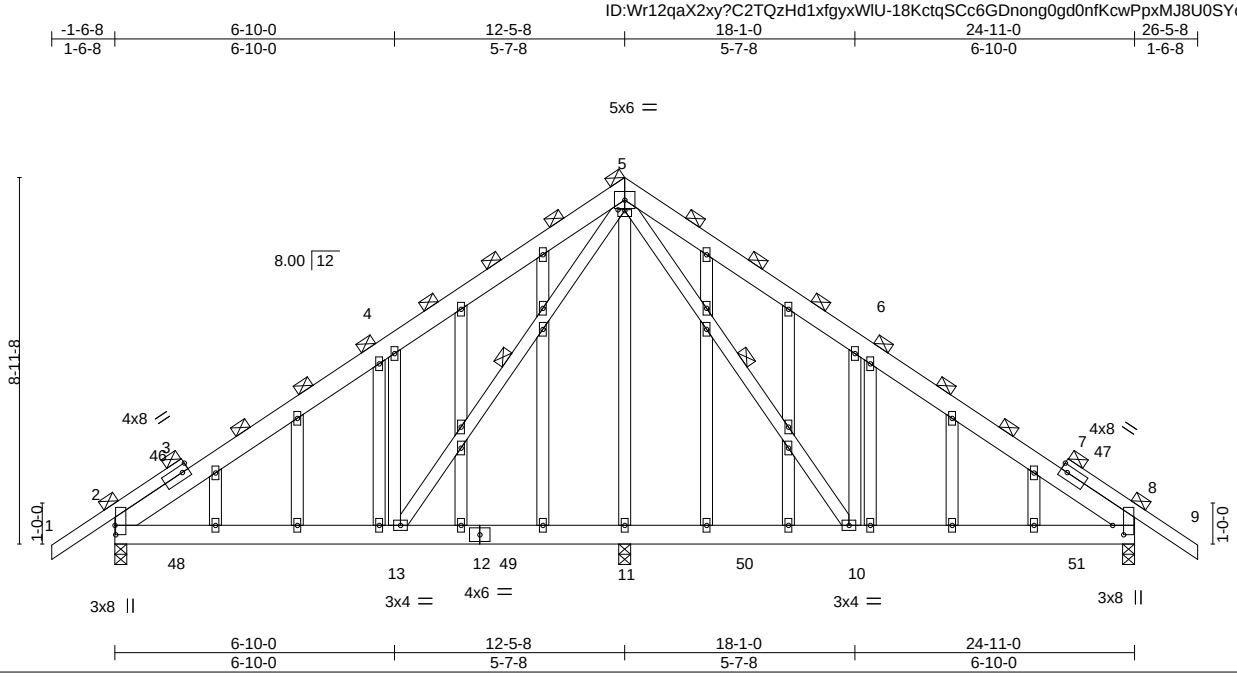

Plate Offsets (X,Y)-- [2:0-2-12,0-0-4], [5:0-2-0,0-0-4], [8:0-2-12,0-3-4]

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	0.68	Vert(LL)	0.05	10-44	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.32	Vert(CT)	-0.07	10-44	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 253 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except*
	1-3,7-9: 2x4 SP No.2
BOT CHORD	2x6 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	2-0-0 oc purlins (5-10-6 max.).
BOT CHORD	Rigid ceiling directly applied or 9-0-4 oc bracing.
WEBS	1 Row at midpt 5-10, 5-13

REACTIONS. (size) 2=0-3-8, 8=0-3-8, 11=0-3-8
Max Horz 2=-196(LC 10)
Max Uplift 2=-220(LC 12), 8=-221(LC 13), 11=-66(LC 9)
Max Grav 2=914(LC 2), 8=914(LC 2), 11=371(LC 18)

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

TOP CHORD	2-4=-1031/848, 4-5=-1109/1032, 5-6=-1109/1031, 6-8=-1031/847
BOT CHORD	2-13=-615/892, 11-13=-279/568, 10-11=-279/568, 8-10=-617/858
WEBS	5-10=-611/588, 6-10=-406/285, 5-13=-612/586, 4-13=-406/285

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-5-8, Exterior(2N) 1-5-8 to 12-5-8, Corner(3R) 12-5-8 to 15-5-8, Exterior(2N) 15-5-8 to 26-5-8 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 11 except (jt=lb) 2=220, 8=221.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312339
3582994	T02	Common	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:09 2023 Page 1
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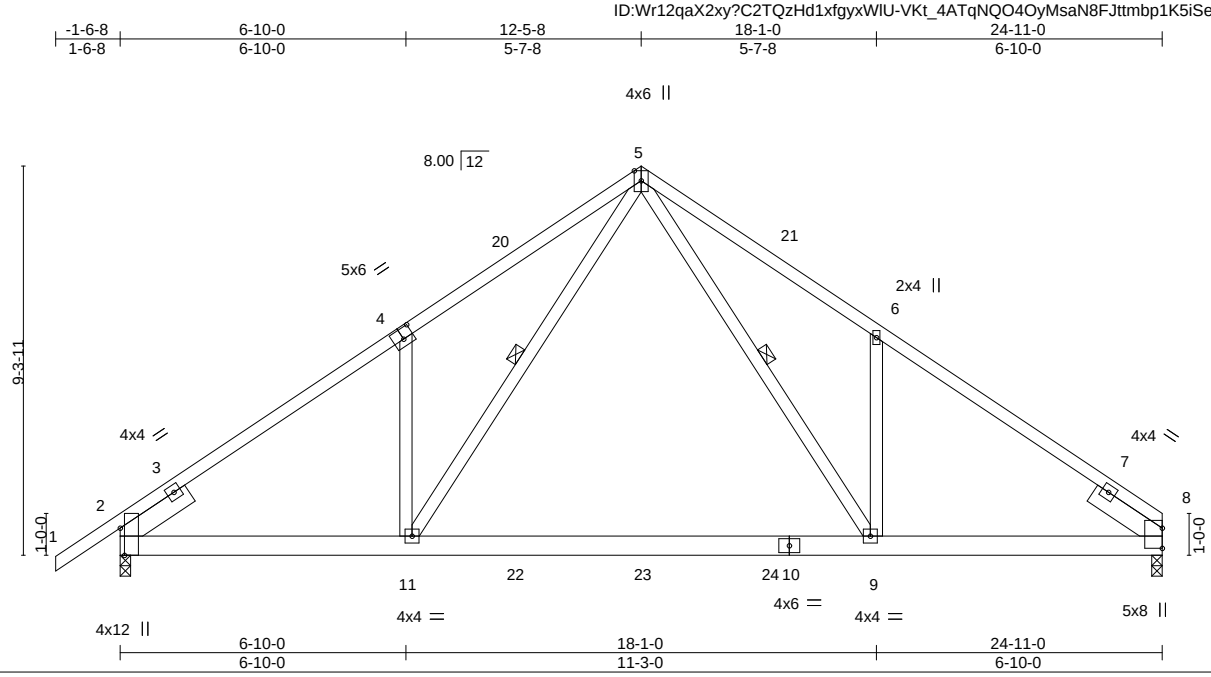

Plate Offsets (X,Y)-- [2:0-7-13,Edge], [4:0-3-0,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	0.55	9-11	>541	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.89	Vert(CT)	-0.58	9-11	>516	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.56	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 160 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.1 *Except*
	4-5: 2x4 SP No.2
BOT CHORD	2x6 SP M 26 *Except*
	8-10: 2x6 SP No.2
WEBS	2x4 SP No.3
SLIDER	Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-1 oc bracing.
WEBS	1 Row at midpt 5-9, 5-11

REACTIONS. (size) 8=0-3-0, 2=0-3-0
Max Horz 2=198(LC 9)
Max Uplift 8=-271(LC 13), 2=-304(LC 12)
Max Grav 8=1320(LC 2), 2=1392(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1930/1553, 4-5=-1904/1653, 5-6=-1879/1624, 6-8=-1904/1528
BOT CHORD 2-11=-1208/1574, 9-11=-659/980, 8-9=-1172/1511
WEBS 5-9=-977/1068, 6-9=-289/255, 5-11=-1019/1098, 4-11=-288/249

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 12-5-8, Exterior(2R) 12-5-8 to 15-5-8, Interior(1) 15-5-8 to 24-11-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=271, 2=304.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312340
3582994	T04	Roof Special Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:10 2023 Page 1
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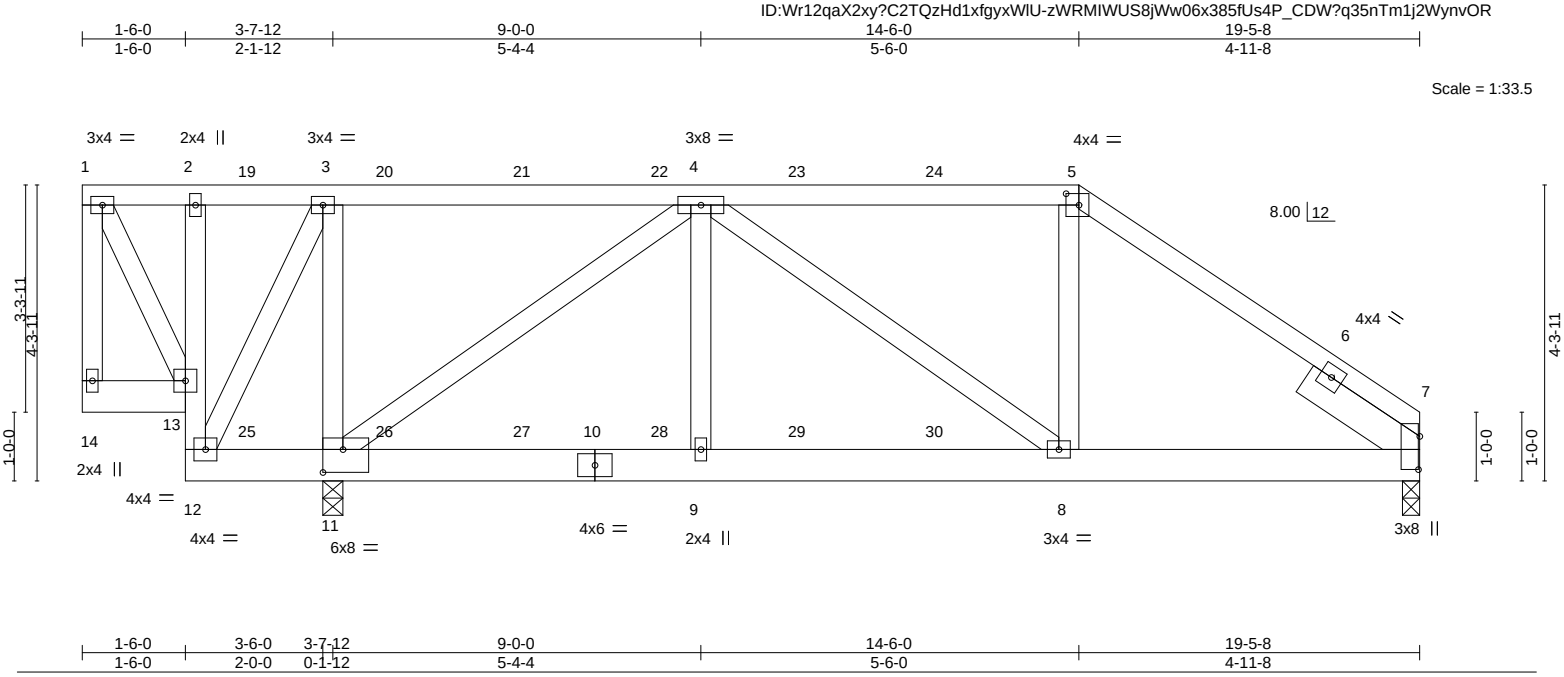

Plate Offsets (X,Y)-- [5:0-2-4,0-2-0], [7:0-5-13,0-0-4], [11:0-3-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.04	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.05	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.92	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 134 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
2-12: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 7=0-3-0, 11=0-3-8
Max Horz 11=-115(LC 24)
Max Uplift 7=-284(LC 9), 11=-721(LC 4)
Max Grav 7=745(LC 1), 11=1442(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-733/371, 5-7=-932/403
BOT CHORD 9-11=-343/740, 8-9=-343/740, 7-8=-284/726
WEBS 3-11=-546/351, 4-11=-1126/565, 4-9=-2/354, 5-8=-23/311

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; 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=284, 11=721.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 106 lb up at 0-1-12, 100 lb down and 95 lb up at 2-5-4, 100 lb down and 95 lb up at 4-5-4, 100 lb down and 95 lb up at 6-5-4, 100 lb down and 95 lb up at 8-5-4, 100 lb down and 95 lb up at 10-5-4, and 100 lb down and 95 lb up at 12-5-4, and 93 lb down and 98 lb up at 14-6-0 on top chord, and 30 lb down at 0-1-12, 49 lb down and 19 lb up at 2-5-4, 49 lb down and 19 lb up at 4-5-4, 49 lb down and 19 lb up at 6-5-4, 49 lb down and 19 lb up at 8-5-4, 49 lb down and 19 lb up at 10-5-4, and 49 lb down and 19 lb up at 12-5-4, and 139 lb down and 72 lb up at 14-5-4 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

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August 15,2023

Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-54, 5-7=-54, 13-14=-20, 12-15=-20

Concentrated Loads (lb)

Vert: 14=-15(F) 1=-97(F) 5=-55(F) 8=-77(F) 19=-55(F) 20=-55(F) 21=-55(F) 22=-55(F) 23=-55(F) 24=-55(F) 25=-30(F) 26=-30(F) 27=-30(F) 28=-30(F) 29=-30(F) 30=-30(F)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312341
3582994	T05	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:11 2023 Page 1
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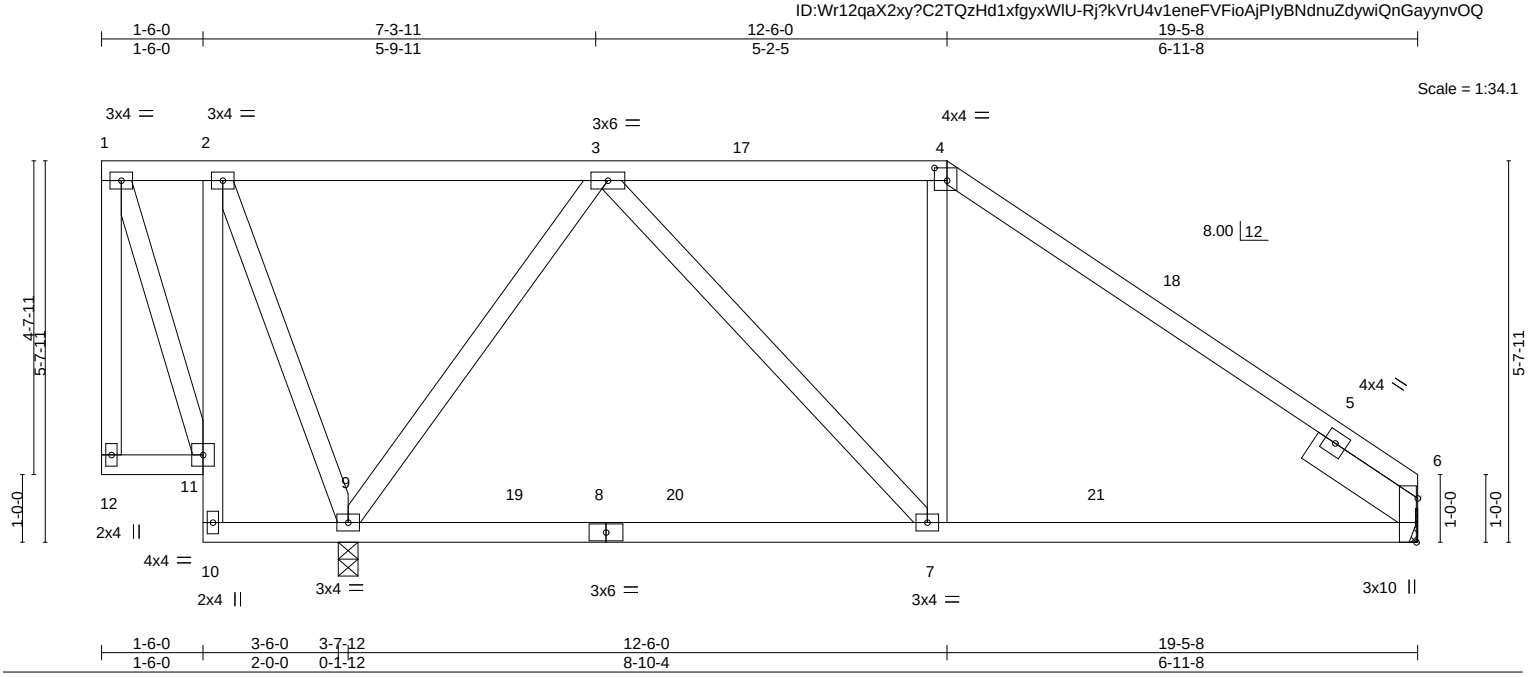

Plate Offsets (X,Y)-- [4:0-2-4,0-2-4], [6:0-7-13,Edge]

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)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.25	7-9	>753	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 120 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-10: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 6=Mechanical, 9=0-3-8
Max Horz 9=-161(LC 13)
Max Uplift 6=-89(LC 13), 9=-231(LC 8)
Max Grav 6=628(LC 20), 9=972(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-505/130, 4-6=-608/118
BOT CHORD 7-9=-57/320, 6-7=-10/502
WEBS 3-9=-598/205, 3-7=-95/369

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-6-0, Exterior(2R) 12-6-0 to 15-6-0, Interior(1) 15-6-0 to 19-5-8 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6 except (jt=lb) 9=231.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T06	Hip	1	1	T31312342
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:12 2023 Page 1
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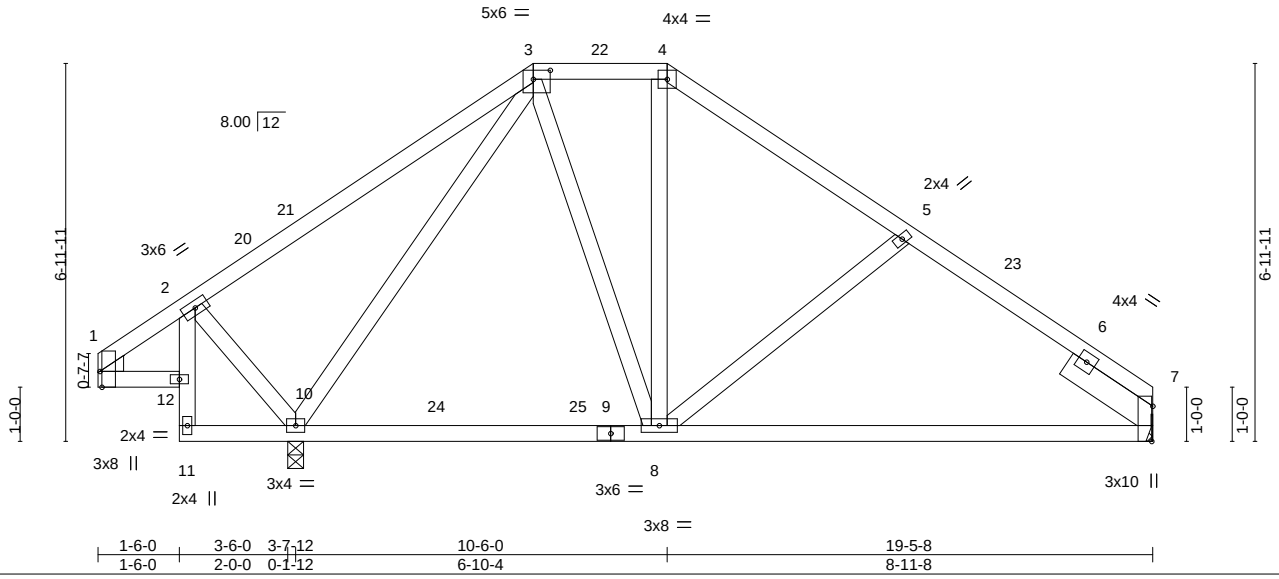

Plate Offsets (X,Y)-- [1:0-3-8,Edge], [3:0-3-12,0-2-0], [7:0-7-13,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.11	8-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.59	Vert(CT)	-0.21	8-15	>887	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 116 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-11: 2x4 SP No.3
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 7=Mechanical, 10=0-3-8
Max Horz 10=-131(LC 8)
Max Uplift 7=-120(LC 13), 10=-171(LC 12)
Max Grav 7=620(LC 20), 10=978(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-365/151, 4-5=-497/140, 5-7=-616/165
BOT CHORD 8-10=-57/290, 7-8=-74/505
WEBS 2-10=-303/207, 3-10=-694/108, 3-8=-66/377

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-0-0 to 3-0-0, Interior(1) 3-0-0 to 8-0-6, Exterior(2E) 8-0-6 to 10-6-0, Exterior(2R) 10-6-0 to 14-11-7, Interior(1) 14-11-7 to 19-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=120, 10=171.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T07	Roof Special Girder	1	1	T31312343
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:13 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-N57UwXWKReuVtZfepDCBUj1XHQSk1SyD9kGNfrynvOO

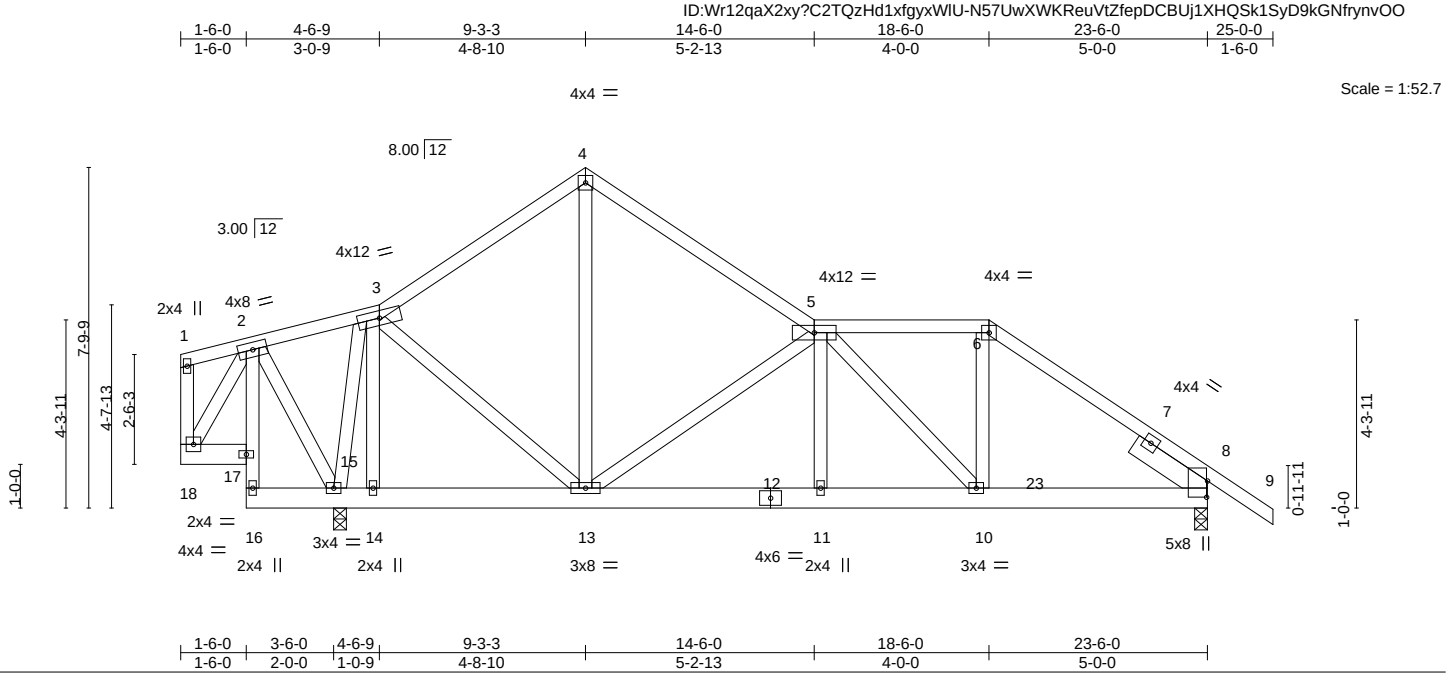

Plate Offsets (X,Y)-- [8:0-4-7,0-0-4]

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	0.38	Vert(LL)	-0.04	10-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.07	10-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 177 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
2-16: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 15=0-3-8, 8=0-3-8
Max Horz 15=-182(LC 9)
Max Uplift 15=-232(LC 8), 8=-374(LC 9)
Max Grav 15=1153(LC 1), 8=1359(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-648/210, 4-5=-657/181, 5-6=-1256/401, 6-8=-1549/434
BOT CHORD 11-13=-208/1256, 10-11=-205/1256, 8-10=-250/1232
WEBS 3-15=-750/164, 3-13=-115/536, 4-13=-103/403, 5-13=-964/340, 5-10=-316/204, 6-10=-145/648

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical right exposed; 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) 15=232, 8=374.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 731 lb down and 241 lb up at 19-6-4 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=-54, 3-4=-54, 4-5=-54, 5-6=-54, 6-9=-54, 17-18=-20, 16-19=-20
Concentrated Loads (lb)
Vert: 23=-702(F)

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T08	Roof Special	1	1	T31312344
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:14 2023 Page 1
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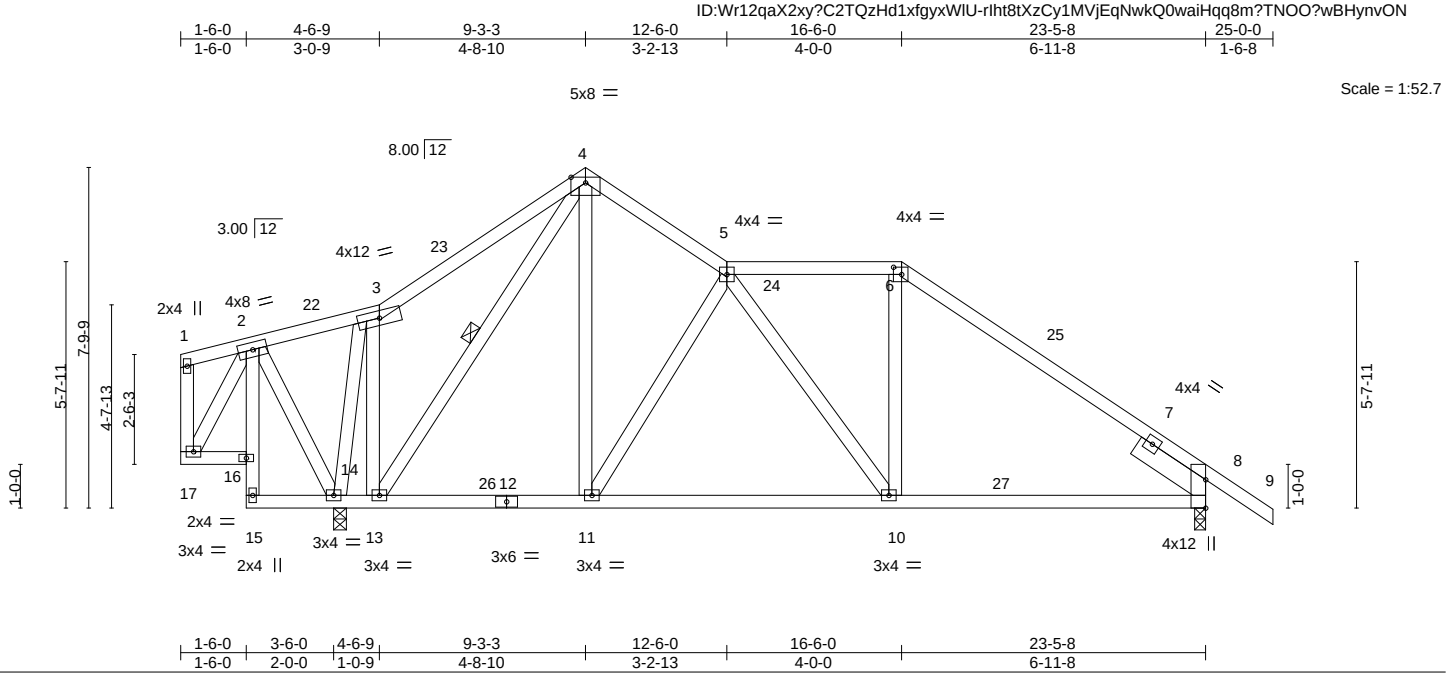

Plate Offsets (X,Y)-- [6:0-2-4,0-2-0]

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	0.43	Vert(LL)	-0.06	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.12	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 161 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
2-15: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-13

REACTIONS. (size) 14=0-3-8, 8=0-3-0
Max Horz 14=-182(LC 13)
Max Uplift 14=-187(LC 12), 8=-193(LC 13)
Max Grav 14=1117(LC 2), 8=871(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 4-5=-544/227, 5-6=-701/260, 6-8=-913/250
BOT CHORD 11-13=-37/480, 10-11=-53/714, 8-10=-63/699
WEBS 3-13=-53/593, 4-13=-683/99, 4-11=-149/692, 6-10=0/281, 3-14=-825/221, 5-11=-518/227

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-3-3, Exterior(2E) 9-3-3 to 12-6-0, Interior(1) 12-6-0 to 16-6-0, Exterior(2R) 16-6-0 to 19-6-0, Interior(1) 19-6-0 to 25-0-0 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=187, 8=193.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T09	Roof Special	1	1	T31312345
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:15 2023 Page 1
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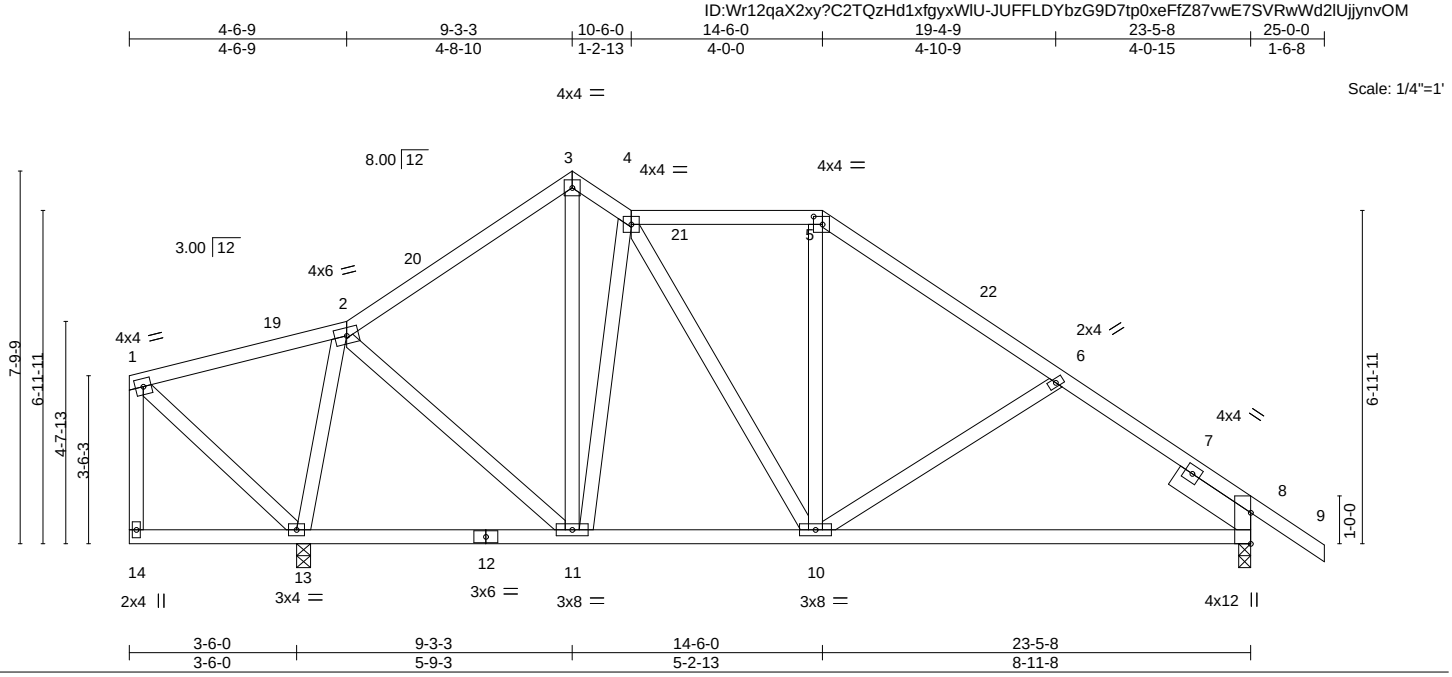

Plate Offsets (X,Y)-- [5:0-2-4,0-2-0]

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	0.31	Vert(LL)	-0.11	10-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.22	10-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 159 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 13=0-3-8, 8=0-3-0
Max Horz 13=-182(LC 13)
Max Uplift 13=-186(LC 12), 8=-193(LC 13)
Max Grav 13=1010(LC 1), 8=798(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-508/209, 3-4=-429/240, 4-5=-525/250, 5-6=-703/247, 6-8=-848/275
BOT CHORD 10-11=-52/449, 8-10=-131/659
WEBS 2-13=-814/288, 2-11=-71/404, 3-11=-125/348, 4-11=-490/203

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 9-3-3, Exterior(2E) 9-3-3 to 10-6-0, Interior(1) 10-6-0 to 14-6-0, Exterior(2R) 14-6-0 to 17-6-0, Interior(1) 17-6-0 to 25-0-0 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 13=186, 8=193.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T10	Hip	1	1	T31312346
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:16 2023 Page 1
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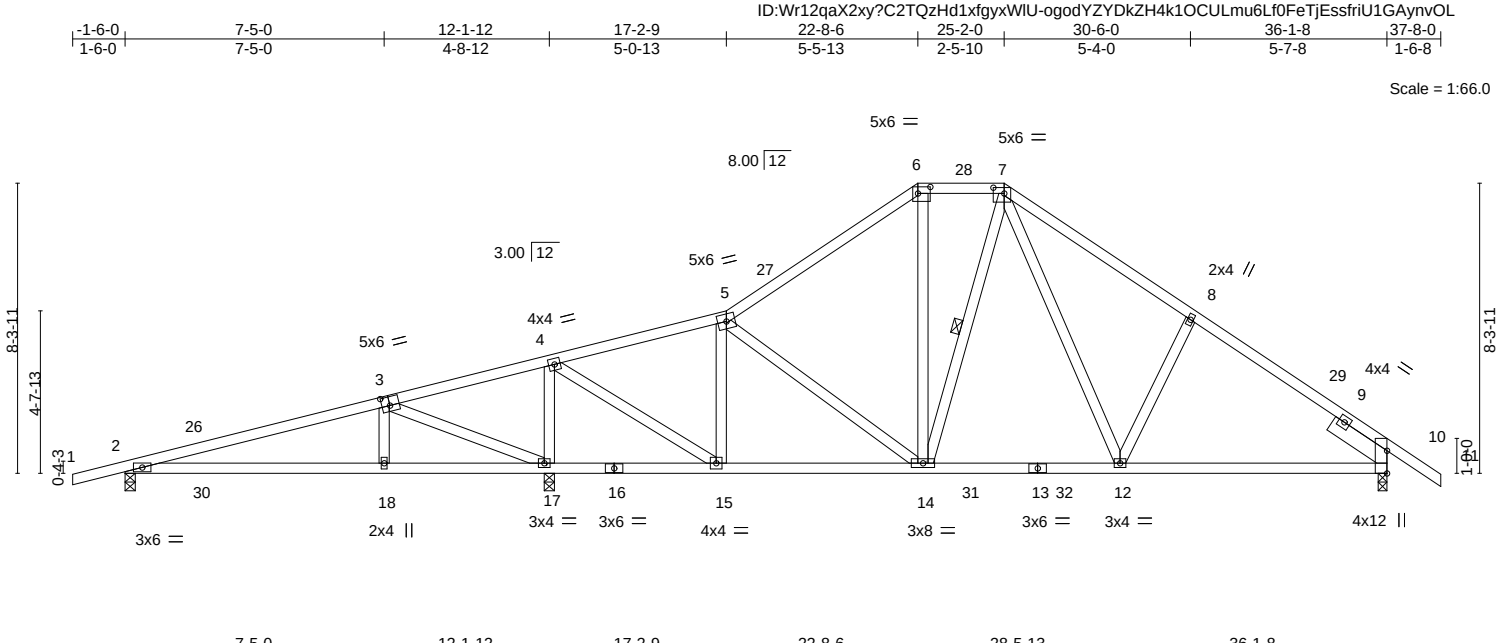

Plate Offsets (X,Y)-- [3:0-2-12,0-3-0], [6:0-4-4,0-2-4], [7:0-3-12,0-2-0]

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	0.53	Vert(LL)	0.17	18-21	>834	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.20	18-21	>720	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 204 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 7-14

REACTIONS. (size) 2=0-3-8, 17=0-3-8, 10=0-3-0
Max Horz 2=193(LC 11)
Max Uplift 2=-242(LC 8), 17=-370(LC 12), 10=-213(LC 13)
Max Grav 2=393(LC 23), 17=1699(LC 2), 10=1001(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-311/460, 3-4=-378/674, 4-5=-631/180, 5-6=-806/234, 6-7=-606/254, 7-8=-1029/327, 8-10=-1099/271
BOT CHORD 2-18=-391/276, 17-18=-367/264, 15-17=-636/468, 14-15=-83/613, 12-14=-19/631, 10-12=-123/839
WEBS 3-18=-357/273, 3-17=-913/901, 4-17=-1203/429, 4-15=-447/1362, 5-15=-556/282, 6-14=-76/288, 7-12=-160/477

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-6, Interior(1) 2-1-6 to 22-8-6, Exterior(2E) 22-8-6 to 25-2-0, Exterior(2R) 25-2-0 to 30-6-12, Interior(1) 30-6-12 to 37-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=242, 17=370, 10=213.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312347
3582994	T11	Roof Special	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:17 2023 Page 1
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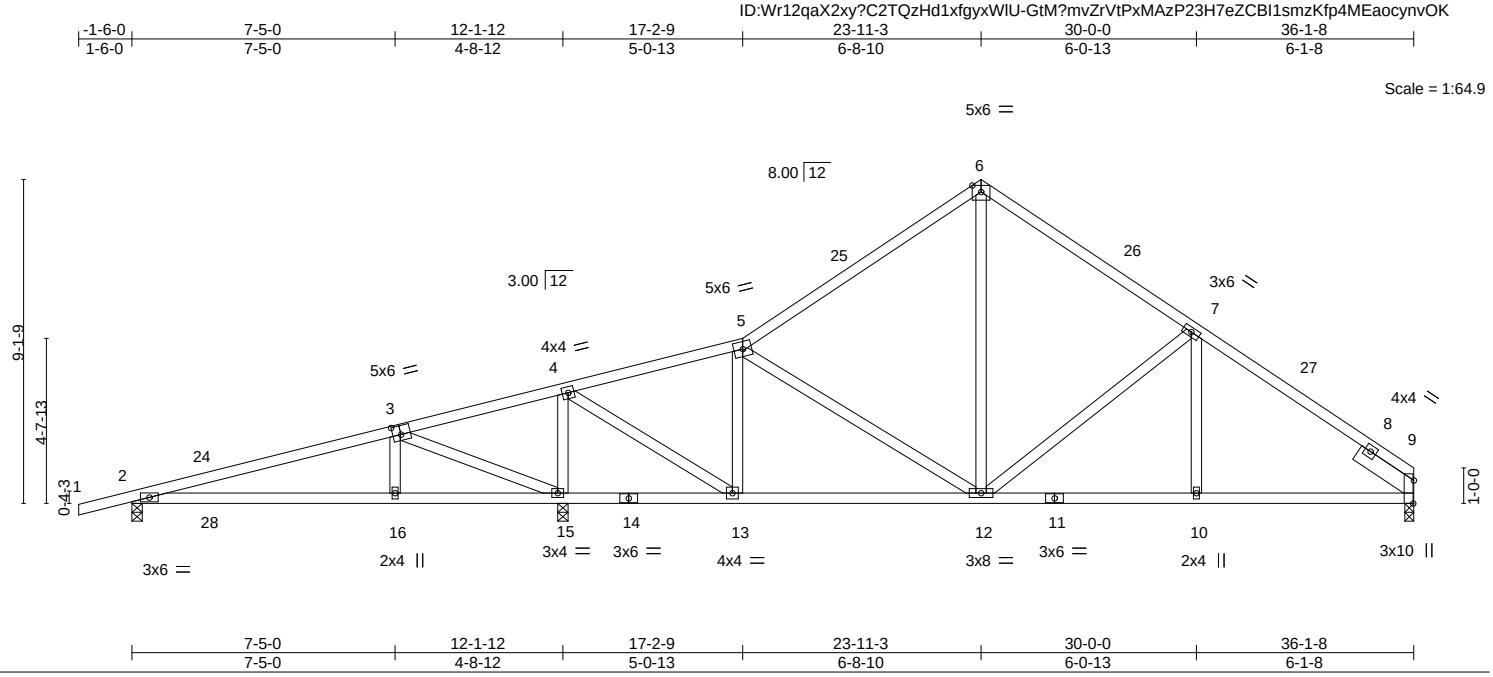

Plate Offsets (X,Y)-- [3:0-2-12,0-3-0], [9:0-7-13,Edge]

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	0.57	Vert(LL)	0.18	16-23	>831	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.17	16-23	>849	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 191 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 9=0-3-0, 2=0-3-8, 15=0-3-8
Max Horz 2=209(LC 9)
Max Uplift 9=-175(LC 13), 2=-249(LC 8), 15=-369(LC 12)
Max Grav 9=805(LC 1), 2=391(LC 23), 15=1577(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-304/461, 3-4=-375/642, 4-5=-546/186, 5-6=-715/235, 6-7=-708/241, 7-9=-1004/257
BOT CHORD 2-16=-444/269, 15-16=-420/258, 13-15=-600/430, 12-13=-105/520, 10-12=-130/773, 9-10=-130/773
WEBS 3-16=-356/275, 3-15=-857/902, 4-15=-1172/412, 4-13=-428/1268, 5-13=-555/274, 6-12=-122/402, 7-12=-370/211

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-6, Interior(1) 2-1-6 to 23-11-3, Exterior(2R) 23-11-3 to 27-6-8, Interior(1) 27-6-8 to 36-1-8 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=175, 2=249, 15=369.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

MiTek®
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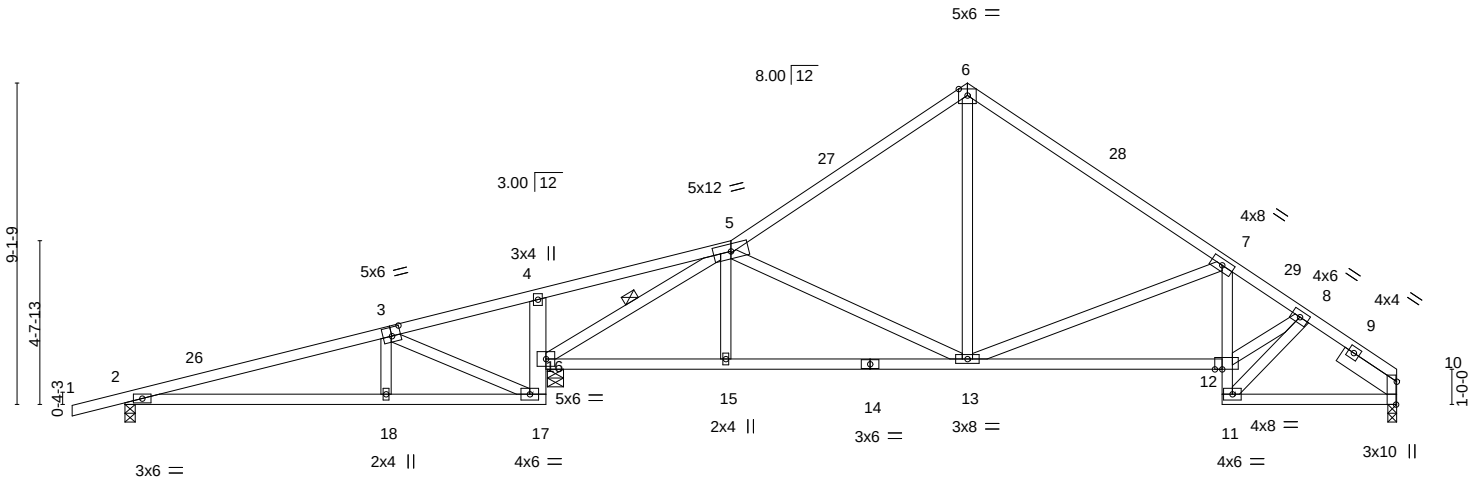
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312348
3582994	T12	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:18 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-k3wNzFaTGBXo_KYbcmoMBmlKSRArijWyJ0z8K2ynvOJ

-1-6-0	7-5-0	11-11-8	17-2-9	23-11-3	31-2-0	33-6-0	36-1-8
1-6-0	7-5-0	4-6-8	5-3-1	6-8-10	7-2-13	2-4-0	2-7-8

Scale = 1:65.5



7-5-0	11-11-8	12-0-0	17-2-9	23-11-3	31-2-0	36-1-8
7-5-0	4-6-8	0-0-8	5-2-9	6-8-10	7-2-13	4-11-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [10:0-7-13,Edge], [12:0-2-8,0-0-0]

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	0.61	Vert(LL)	-0.10	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.21	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.76	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 196 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-17: 2x6 SP No.2, 7-11: 2x4 SP No.3
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-16

REACTIONS. (size) 10=0-3-0, 2=0-3-8, 16=0-5-8
Max Horz 2=209(LC 9)
Max Uplift 10=-181(LC 13), 2=-176(LC 8), 16=-351(LC 12)
Max Grav 10=862(LC 1), 2=447(LC 23), 16=1458(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-528/214, 3-4=-125/349, 4-5=-96/441, 5-6=-904/314, 6-7=-928/314, 7-8=-1386/405, 8-10=-1046/314
BOT CHORD 2-18=-163/486, 17-18=-164/474, 16-17=-87/355, 15-16=-203/956, 13-15=-205/951, 12-13=-310/1247, 11-12=-141/724, 7-12=0/268, 10-11=-194/768
WEBS 3-18=0/286, 3-17=-825/248, 5-16=-1584/392, 5-13=-340/170, 6-13=-134/564, 7-13=-642/295, 8-12=-270/1252, 8-11=-958/212

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-1-6, Interior(1) 2-1-6 to 23-11-3, Exterior(2R) 23-11-3 to 27-6-8, Interior(1) 27-6-8 to 36-1-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 10=181, 2=176, 16=351.

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Date:

August 15,2023

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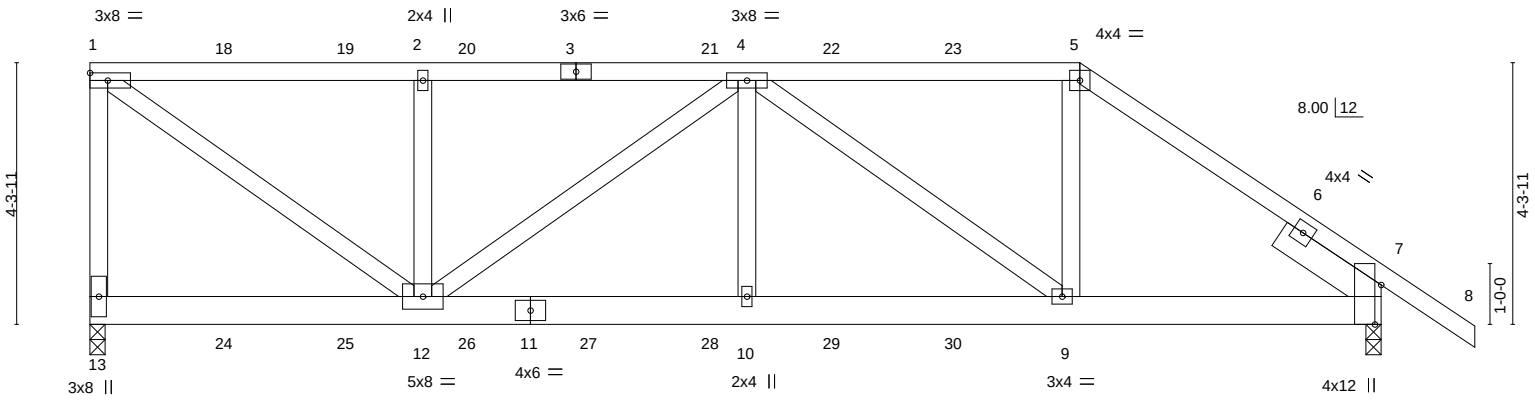
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312349
3582994	T13	Roof Special Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:19 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-CFUmBab51UffbU7nAUJbj_HWXrXyRCw6YgjhsVynvOI

5-5-12 | 10-9-12 | 16-3-8 | 21-3-0 | 22-9-8
5-5-12 | 5-4-0 | 5-5-12 | 4-11-8 | 1-6-8

Scale = 1:37.9



5-5-12 | 10-9-12 | 16-3-8 | 21-3-0
5-5-12 | 5-4-0 | 5-5-12 | 4-11-8

Plate Offsets (X,Y)-- [7:0-7-13,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	0.53	Vert(LL)	0.08	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.55	Vert(CT)	-0.11	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.63	Horz(CT)	0.03	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 139 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-12 oc bracing.

REACTIONS. (size) 13=0-3-0, 7=0-3-0
Max Horz 13=-145(LC 24)
Max Uplift 13=-651(LC 4), 7=-483(LC 9)
Max Grav 13=1293(LC 1), 7=1197(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-13=-1178/639, 1-2=-1298/644, 2-4=-1298/644, 4-5=-1172/576, 5-7=-1459/670
BOT CHORD 10-12=-804/1707, 9-10=-804/1707, 7-9=-489/1154
WEBS 1-12=-781/1580, 2-12=-458/329, 4-12=-507/257, 4-10=-28/370, 4-9=-664/388, 5-9=-177/554

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical 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) 13=651, 7=483.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 93 lb down and 92 lb up at 0-1-12, 100 lb down and 95 lb up at 2-2-12, 100 lb down and 95 lb up at 4-2-12, 100 lb down and 95 lb up at 6-2-12, 100 lb down and 95 lb up at 8-2-12, 100 lb down and 95 lb up at 10-2-12, 100 lb down and 95 lb up at 12-2-12, and 100 lb down and 95 lb up at 14-2-12, and 93 lb down and 98 lb up at 16-3-8 on top chord, and 63 lb down and 18 lb up at 0-1-12, 49 lb down and 19 lb up at 2-2-12, 49 lb down and 19 lb up at 4-2-12, 49 lb down and 19 lb up at 6-2-12, 49 lb down and 19 lb up at 8-2-12, 49 lb down and 19 lb up at 10-2-12, 49 lb down and 19 lb up at 12-2-12, and 49 lb down and 19 lb up at 14-2-12, and 139 lb down and 72 lb up at 16-2-12 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

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Date:

August 15,2023

Continued on page 2

MiTek®
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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-54, 5-8=-54, 13-14=-20

Concentrated Loads (lb)

Vert: 13=-38(B) 1=-76(B) 3=-55(B) 5=-55(B) 9=-77(B) 18=-55(B) 19=-55(B) 20=-55(B) 21=-55(B) 22=-55(B) 23=-55(B) 24=-30(B) 25=-30(B) 26=-30(B) 27=-30(B) 28=-30(B) 29=-30(B) 30=-30(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312350
3582994	T14	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:20 2023 Page 1
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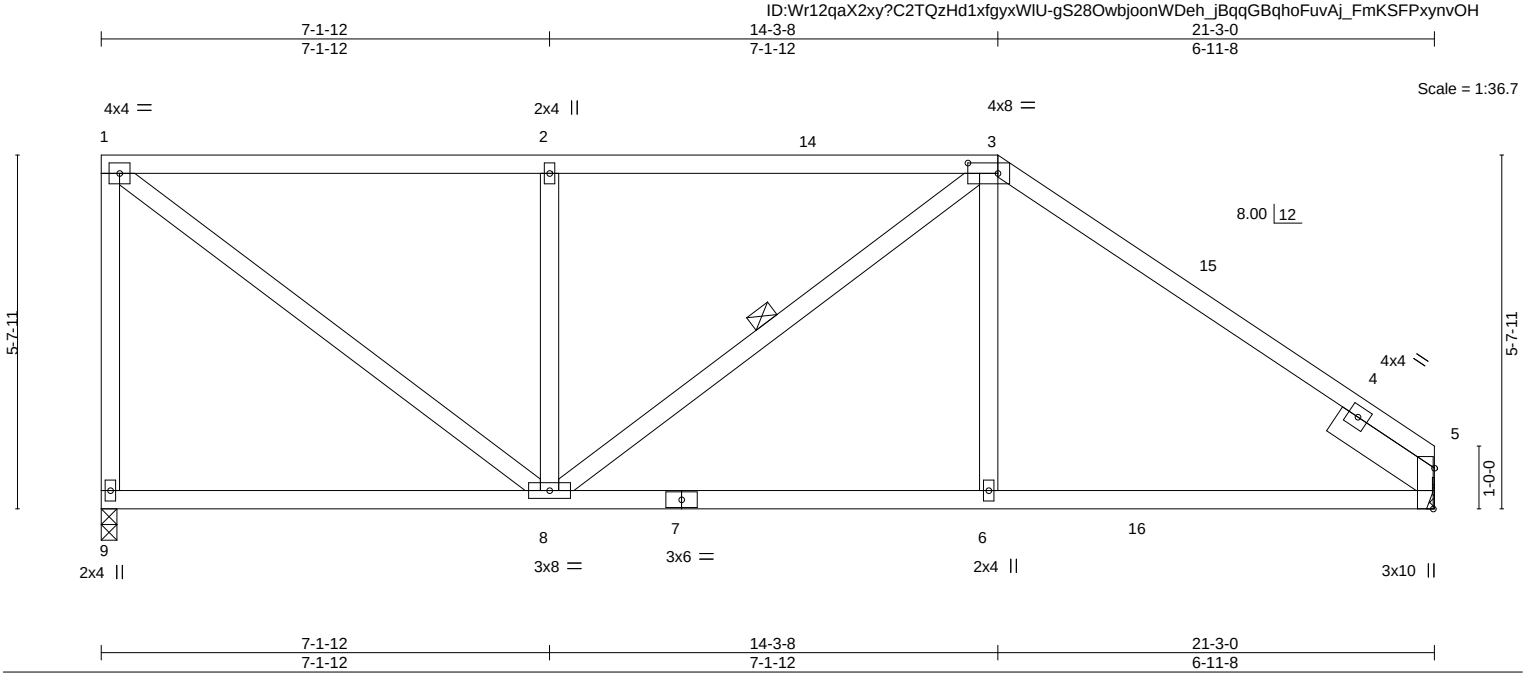

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [5:0-7-13,Edge]

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	0.56	Vert(LL)	-0.07	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.14	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 118 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS. (size) 9=0-3-0, 5=Mechanical
Max Horz 9=-161(LC 13)
Max Uplift 9=-207(LC 8), 5=-118(LC 13)
Max Grav 9=844(LC 2), 5=859(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-9=-737/224, 1-2=-816/200, 2-3=-816/200, 3-5=-1025/183
BOT CHORD 6-8=-88/796, 5-6=-89/789
WEBS 1-8=-245/1002, 2-8=-441/224, 3-6=0/305

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 14-3-8, Exterior(2R) 14-3-8 to 17-3-8, Interior(1) 17-3-8 to 21-3-0 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=207, 5=118.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T15	Roof Special	1	1	T31312351
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:21 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-8ecWcGcMY6vNroGAHvM3pPNp1fA3vAxP?_CoxNynvOG

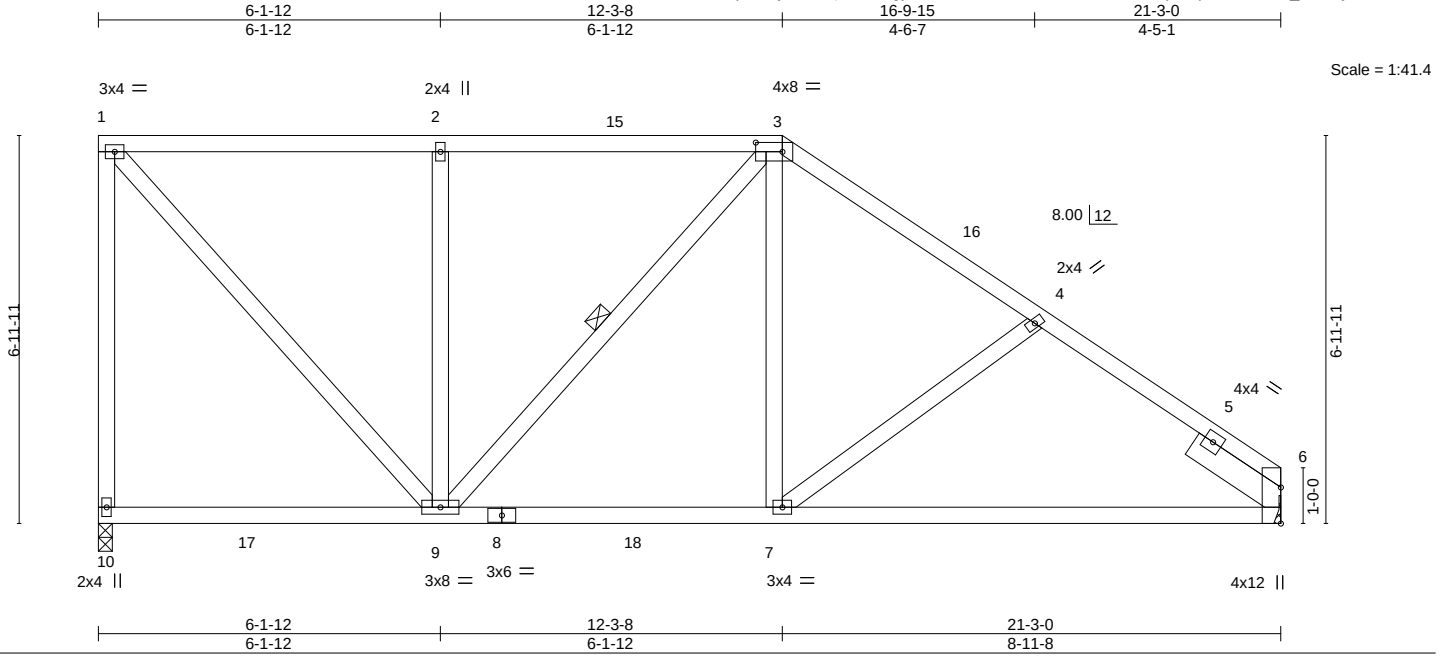

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0]

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	0.72	Vert(LL)	-0.11	7-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.22	7-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 133 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-9

REACTIONS. (size) 10=0-3-0, 6=Mechanical
Max Horz 10=-207(LC 13)
Max Uplift 10=-203(LC 8), 6=-123(LC 13)
Max Grav 10=888(LC 2), 6=855(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-10=-766/218, 1-2=-602/142, 2-3=-602/142, 3-4=-900/159, 4-6=-1018/175
BOT CHORD 7-9=-43/710, 6-7=-93/807
WEBS 1-9=-208/883, 2-9=-378/189, 3-7=-53/409

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 12-3-8, Exterior(2R) 12-3-8 to 15-3-8, Interior(1) 15-3-8 to 21-3-0 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=203, 6=123.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312352
3582994	T16	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:21 2023 Page 1
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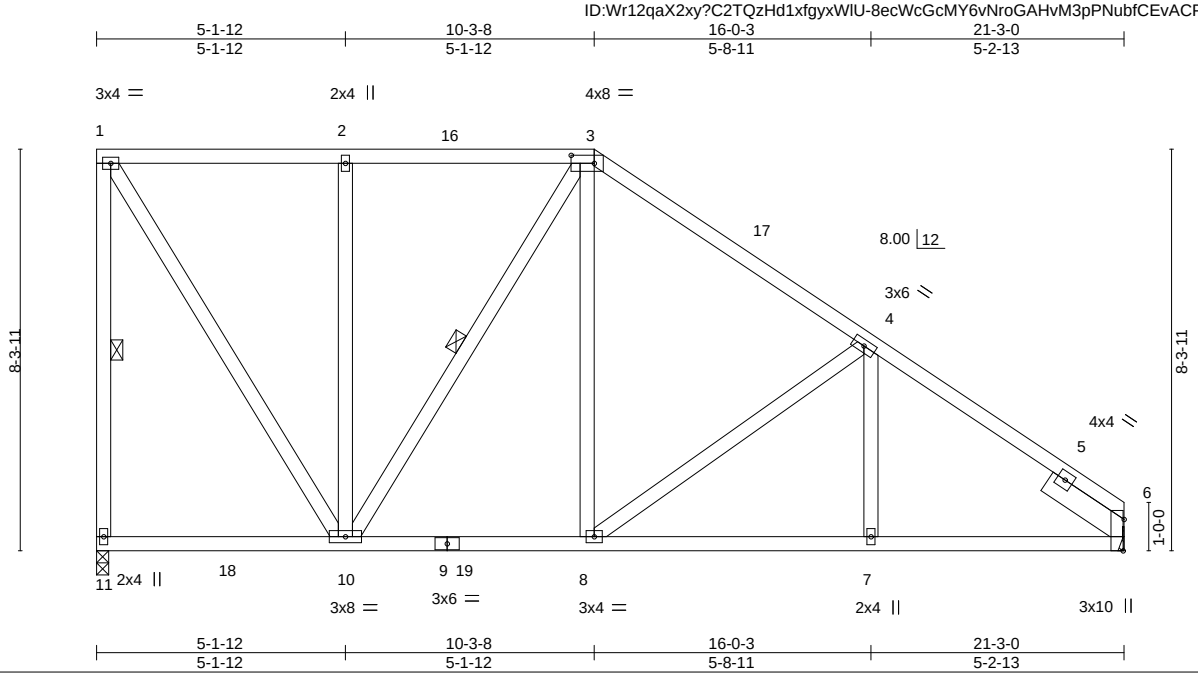

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [6:0-7-13,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.06	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.12	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 149 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 1-11, 3-10

REACTIONS. (size) 11=0-3-0, 6=Mechanical
Max Horz 11=-252(LC 13)
Max Uplift 11=-198(LC 8), 6=-123(LC 13)
Max Grav 11=892(LC 2), 6=868(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-11=-789/210, 1-2=-441/99, 2-3=-441/99, 3-4=-780/136, 4-6=-1066/159
BOT CHORD 10-11=-134/252, 8-10=-18/603, 7-8=-66/833, 6-7=-66/833
WEBS 1-10=-186/821, 2-10=-308/161, 3-10=-347/133, 3-8=-81/453, 4-8=-382/199

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 10-3-8, Exterior(2R) 10-3-8 to 13-3-8, Interior(1) 13-3-8 to 21-3-0 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) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=198, 6=123.

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312353
3582994	T17	Roof Special Girder	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:22 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-cqAupcd_JP1DSyrMrctlLcvx32b5eTsYEexLTqynvOF

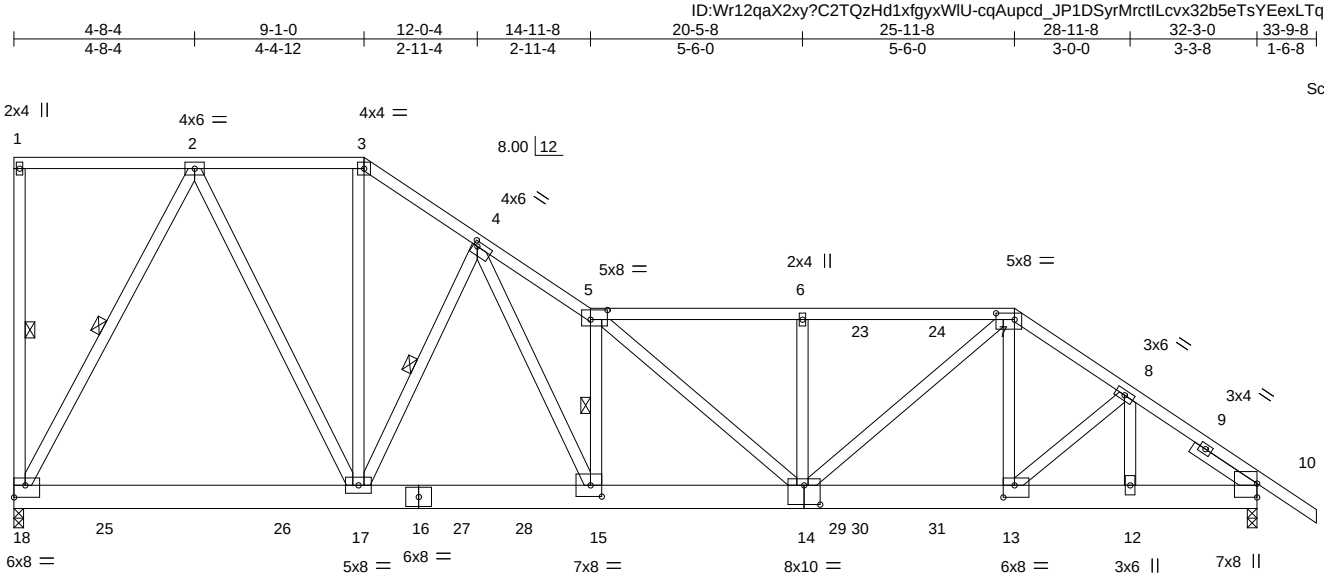

Plate Offsets (X,Y)-- [4:0-1-4,0-1-8], [5:0-5-4,0-3-0], [7:0-5-12,0-2-0], [13:0-3-8,0-3-12], [14:0-5-0,0-6-0], [15:0-3-8,0-3-8], [18:Edge,0-3-12]

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	0.96	Vert(LL)	-0.23	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.33	Vert(CT)	-0.41	14-15	>940	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	1.00	Horz(CT)	0.03	10	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 277 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	5-7: 2x4 SP No.1
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except*
	4-17,4-15: 2x4 SP No.2
SLIDER	Right 2x4 SP No.3 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 1-18, 2-18, 4-17, 5-15

REACTIONS. (size) 18=0-3-0, 10=0-3-0 (req. 0-3-1)
Max Horz 18=-310(LC 24)
Max Uplift 18=-458(LC 9), 10=-846(LC 9)
Max Grav 18=1901(LC 2), 10=2592(LC 2)

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

TOP CHORD	2-3=-1587/440, 3-4=-1941/500, 4-5=-4755/1324, 5-6=-4467/1368, 6-7=-4464/1366, 7-8=-3763/1278, 8-10=-3265/1089
BOT CHORD	17-18=-195/918, 15-17=-485/2452, 14-15=-867/3865, 13-14=-931/3135, 12-13=-805/2641, 10-12=-805/2641
WEBS	2-18=-1884/519, 2-17=-450/1606, 3-17=-225/930, 4-17=-2100/731, 4-15=-1116/3606, 5-15=-3242/1073, 5-14=-515/846, 6-14=-462/289, 7-14=-350/1761, 7-13=-204/629, 8-13=-281/628, 8-12=-706/238

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical 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, with BCDL = 10.0psf.
6) WARNING: Required bearing size at joint(s) 10 greater than input bearing size.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=458, 10=846.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 120 lb down and 119 lb up at 21-10-12, and 120 lb down and 119 lb up at 23-10-12, and 120 lb down and 122 lb up at 25-11-8 on top chord, and 1235 lb down and 308 lb up at 21-3-12, 73 lb down and 24 lb up at 21-10-12, and 73 lb down and 24 lb up at 23-10-12, and 289 lb down and 209 lb up at 25-10-12 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

Continued on page 2

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Date:

August 15,2023

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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-5=-54, 5-7=-54, 7-11=-54, 18-19=-20
   Concentrated Loads (lb)
   Vert: 7=-90(B) 13=-264(B) 23=-90(B) 24=-90(B) 29=-1187(B) 30=-48(B) 31=-48(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312354
3582994	T18	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:23 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-41kG0yec4j9445QZPJOXuqS8KSoTNx8hSIhv0GynvOE

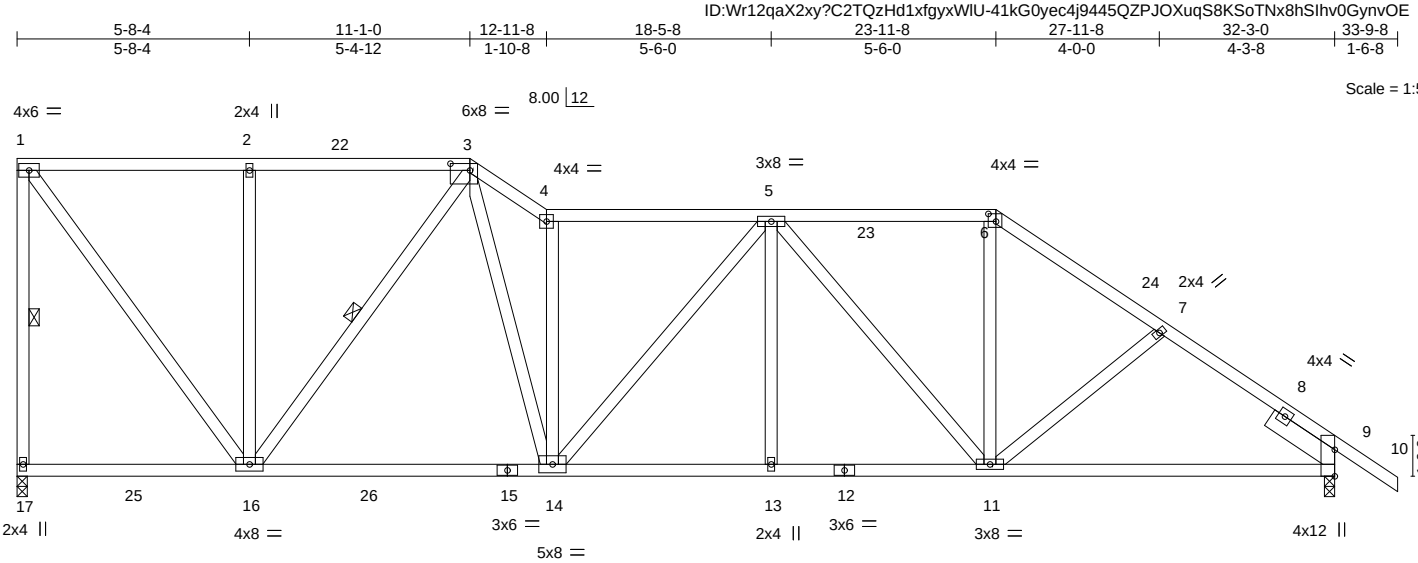

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [6:0-2-4,0-2-4]

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	0.80	Vert(LL)	-0.18	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.90	Vert(CT)	-0.30	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 223 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-6-7 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 1-17, 3-16

REACTIONS. (size) 17=0-3-0, 9=0-3-0
Max Horz 17=-265(LC 13)
Max Uplift 17=-236(LC 9), 9=-297(LC 13)
Max Grav 17=1340(LC 2), 9=1355(LC 2)

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

TOP CHORD	1-17=-1241/254, 1-2=-850/159, 2-3=-850/159, 3-4=-2021/429, 4-5=-1646/324, 5-6=-1308/345, 6-7=-1580/364, 7-9=-1662/378
BOT CHORD	16-17=-137/264, 14-16=-196/1265, 13-14=-248/1666, 11-13=-248/1666, 9-11=-210/1295
WEBS	1-16=-264/1416, 2-16=-340/167, 3-16=-709/216, 3-14=-374/1575, 4-14=-1228/320, 5-11=-549/178, 6-11=-80/639

NOTES-

1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-4-7, Interior(1) 3-4-7 to 11-1-0, Exterior(2E) 11-1-0 to 12-11-8, Interior(1) 12-11-8 to 23-11-8, Exterior(2R) 23-11-8 to 27-2-3, Interior(1) 27-2-3 to 33-9-8 zone; end vertical 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=236, 9=297.

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Date:

August 15,2023

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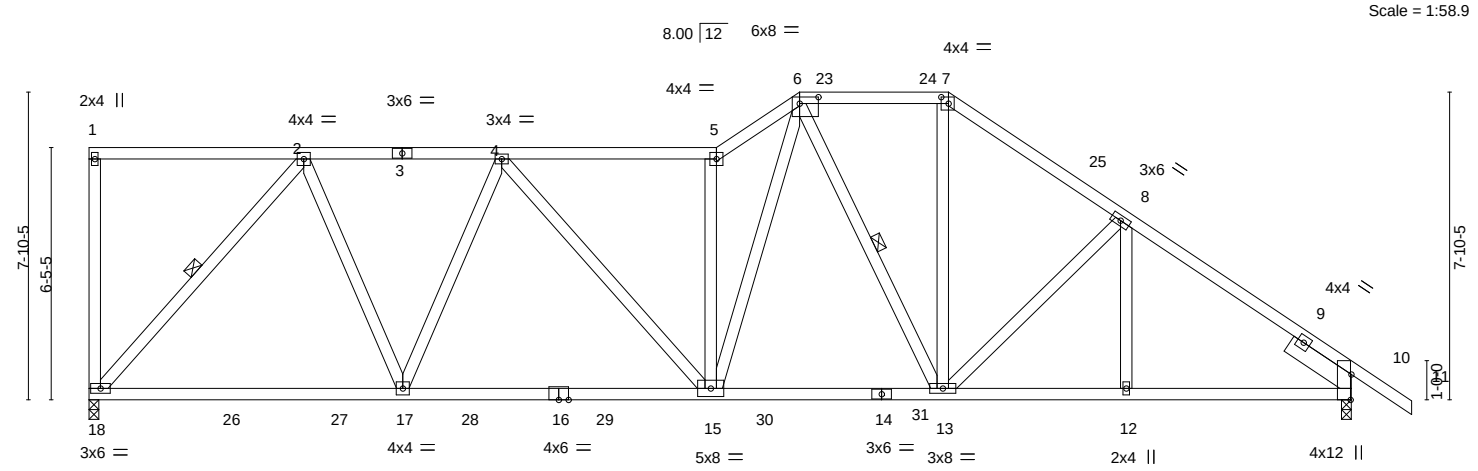
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312355
3582994	T19	Roof Special	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:24 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-ZDHfElfEr1HxiF?ly1vmQ1_Hws7I6NUrhyQSYiynvOD

5-5-13	10-6-8	16-0-6	18-1-14	21-11-8	26-6-0	32-3-0	33-9-8
5-5-13	5-0-11	5-5-13	2-1-8	3-9-10	4-6-8	5-9-0	1-6-8

Scale = 1:58.9



8-0-3	16-0-6	21-11-8	26-6-0	32-3-0
8-0-3	8-0-3	5-11-2	4-6-8	5-9-0

Plate Offsets (X,Y)-- [6:0-5-12,0-2-0], [7:0-2-4,0-2-0], [10:0-7-13,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	0.93	Vert(LL)	-0.18	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.99	Vert(CT)	-0.31	15-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.99	Horz(CT)	0.11	10	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 217 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
SLIDER	Right 2x6 SP No.2 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 2-2-0 oc bracing: 10-12.
WEBS	1 Row at midpt 2-18, 6-13

REACTIONS. (size) 18=0-3-0, 10=0-3-0
Max Horz 18=-240(LC 13)
Max Uplift 18=-282(LC 12), 10=-220(LC 13)
Max Grav 18=1346(LC 2), 10=1380(LC 2)

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

TOP CHORD	2-4=-1342/251, 4-5=-1770/336, 5-6=-2186/439, 6-7=-1256/304, 7-8=-1532/320, 8-10=-1724/302
BOT CHORD	17-18=-110/1007, 15-17=-212/1551, 13-15=-139/1396, 12-13=-160/1353, 10-12=-160/1353
WEBS	2-18=-1473/320, 2-17=-114/946, 4-17=-562/171, 4-15=-70/356, 5-15=-1339/328, 6-15=-293/1414, 6-13=-380/101, 7-13=-99/626

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-4-7, Interior(1) 3-4-7 to 18-1-14, Exterior(2R) 18-1-14 to 21-4-9, Interior(1) 21-4-9 to 21-11-8, Exterior(2R) 21-11-8 to 25-2-3, Interior(1) 25-2-3 to 33-9-8 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=282, 10=220.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T20	Roof Special	1	1	T31312356
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:25 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-1Pr1RefscKPoJPaxWkQ?zFXTCGWerss_wcA048ynvOC

6-9-13	13-4-1	20-0-11	26-7-0	32-3-0	33-9-8
6-9-13	6-6-5	6-8-10	6-6-5	5-8-0	1-6-8

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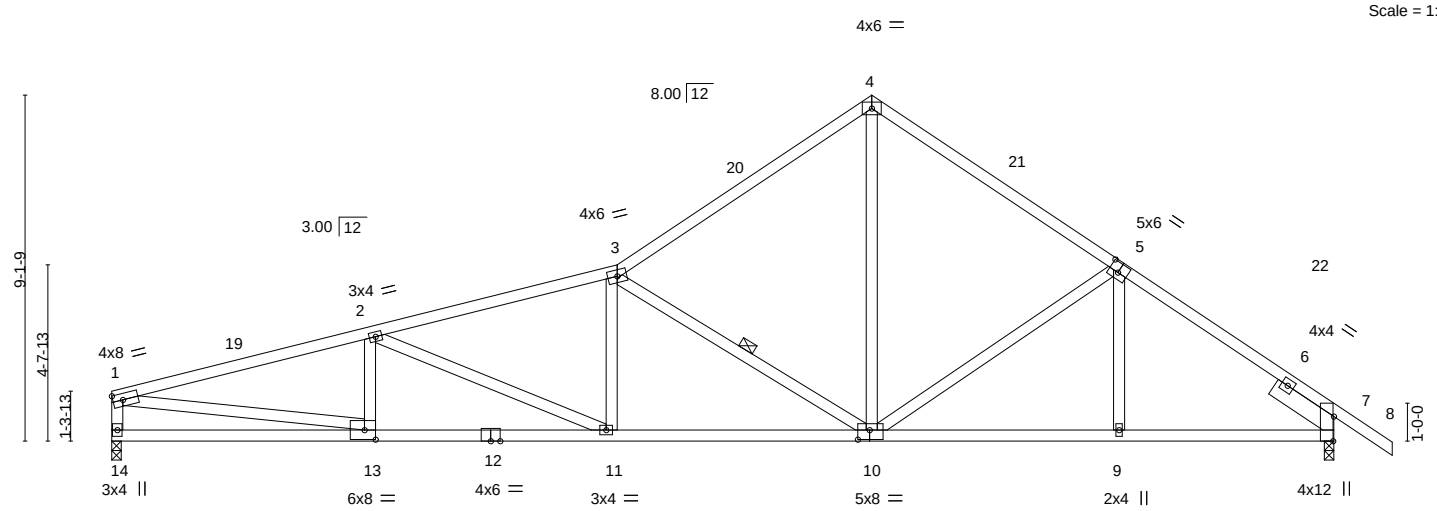

6-9-13	13-4-1	20-0-11	26-7-0	32-3-0
6-9-13	6-6-5	6-8-10	6-6-5	5-8-0

Plate Offsets (X,Y)-- [5:0-3-0,0-3-0], [7:0-7-13,Edge], [10:0-3-12,0-3-0], [13:0-3-8,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.84	Vert(LL)	-0.17	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.33	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.11	7	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 182 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
7-10: 2x4 SP No.1
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-7-7 oc bracing.
WEBS 1 Row at midpt 3-10

REACTIONS. (size) 14=0-3-0, 7=0-3-0
Max Horz 14=192(LC 11)
Max Uplift 14=-269(LC 12), 7=-245(LC 13)
Max Grav 14=1186(LC 1), 7=1273(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2505/661, 2-3=-2270/638, 3-4=-1356/443, 4-5=-1345/440, 5-7=-1581/437, 1-14=-1115/326
BOT CHORD 13-14=-183/251, 11-13=-600/2391, 10-11=-480/2150, 9-10=-258/1240, 7-9=-259/1240
WEBS 2-11=-309/214, 3-11=-47/322, 3-10=-1316/422, 4-10=-286/1016, 5-10=-302/201, 1-13=-562/2237

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-4-7, Interior(1) 3-4-7 to 20-0-11, Exterior(2R) 20-0-11 to 23-3-6, Interior(1) 23-3-6 to 33-9-8 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=269, 7=245.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T21	Roof Special	3	1	T31312357
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:26 2023 Page 1
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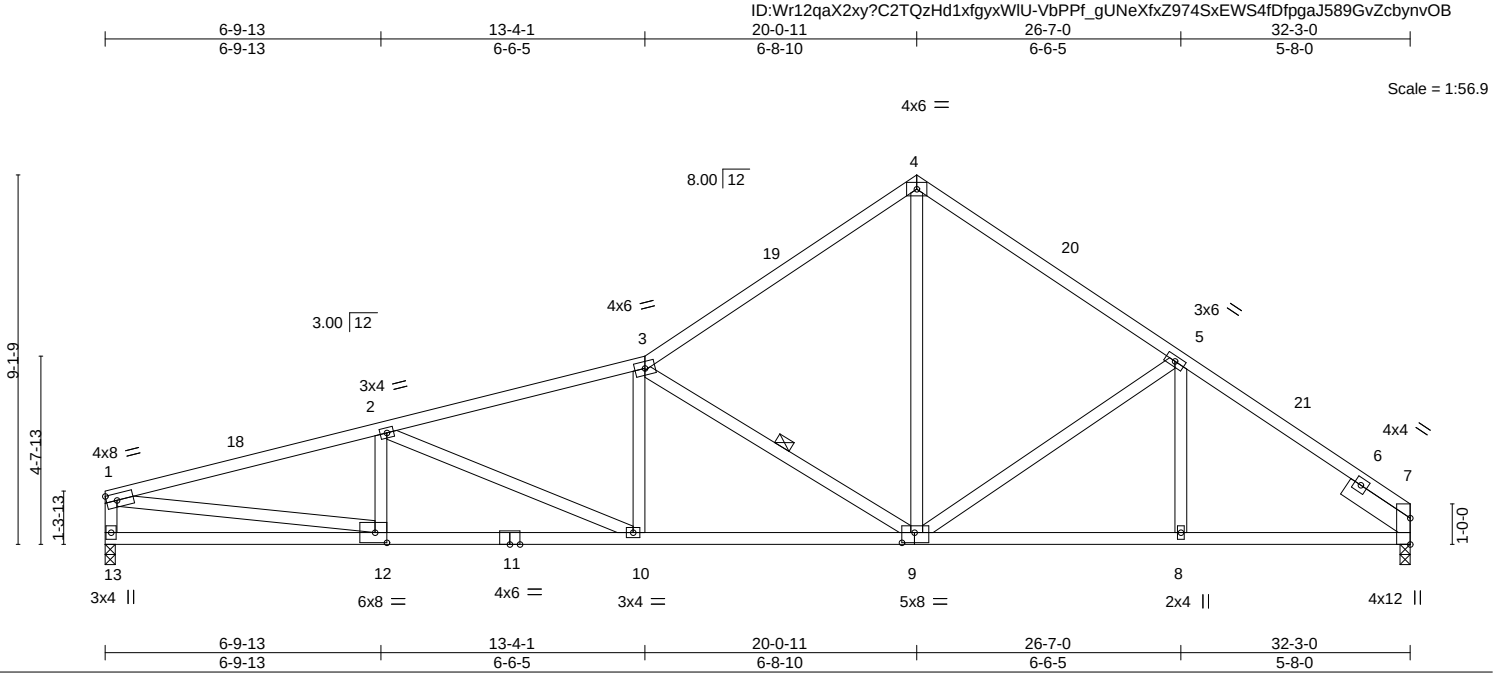

Plate Offsets (X,Y)-- [9:0-3-12,0-3-0], [12:0-3-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.17	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.33	10-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.11	7	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 179 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x6 SP No.2 1-11-8

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

REACTIONS. (size) 7=0-3-0, 13=0-3-0
Max Horz 13=184(LC 11)
Max Uplift 7=-211(LC 13), 13=-269(LC 12)
Max Grav 7=1188(LC 1), 13=1188(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2510/662, 2-3=-2277/640, 3-4=-1361/445, 4-5=-1350/446, 5-7=-1598/451, 1-13=-1117/327
BOT CHORD 10-12=-616/2396, 9-10=-516/2156, 8-9=-293/1254, 7-8=-293/1254
WEBS 2-10=-309/214, 3-10=-47/322, 3-9=-1318/425, 4-9=-289/1023, 5-9=-314/206, 1-12=-564/2242

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) 0-1-12 to 3-4-7, Interior(1) 3-4-7 to 20-0-11, Exterior(2R) 20-0-11 to 23-3-6, Interior(1) 23-3-6 to 32-3-0 zone; end vertical right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=211, 13=269.

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T22	Piggyback Base	5	1	T31312358
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:27 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-zoznsKh68yfWZjkKe9TT2gcvO3CuJpvHNwf691ynvOA

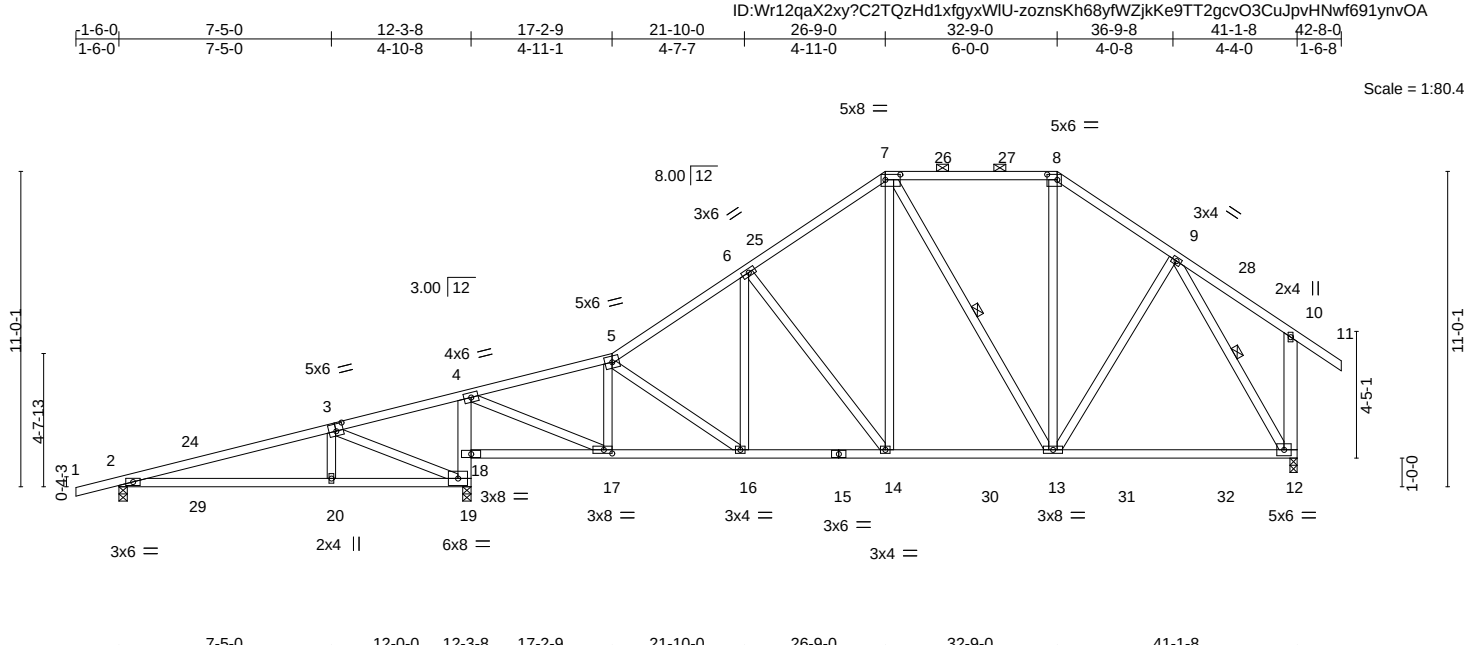

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-6-4,0-2-4], [8:0-4-4,0-2-4], [17:0-3-8,0-1-8]

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	0.47	Vert(LL)	0.18	20-23	>814	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.33	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.02	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 267 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except* 4-19: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except* 10-12: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-3 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 5-8-8 oc bracing.
WEBS 1 Row at midpt 7-13, 9-12

REACTIONS. (size) 2=0-3-8, 19=0-3-8, 12=0-3-0
Max Horz 2=299(LC 11)
Max Uplift 2=-282(LC 8), 19=-398(LC 12), 12=-198(LC 13)
Max Grav 2=444(LC 25), 19=1786(LC 2), 12=1249(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-521/700, 3-4=-318/442, 4-5=-1246/294, 5-6=-1348/393, 6-7=-1062/404, 7-8=-721/356, 8-9=-911/372, 10-12=-267/180
BOT CHORD 2-20=-670/486, 19-20=-646/467, 18-19=-1382/415, 4-18=-1287/423, 17-18=-506/313, 16-17=-267/1238, 14-16=-288/1151, 13-14=-191/870, 12-13=-161/552
WEBS 3-20=-359/289, 3-19=-928/892, 4-17=-535/1810, 5-17=-536/242, 6-14=-468/198, 7-14=-127/561, 7-13=-280/101, 8-13=-61/288, 9-13=-84/349, 9-12=-1027/256, 6-16=-9/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-7-6, Interior(1) 2-7-6 to 26-9-0, Exterior(2R) 26-9-0 to 30-10-5, Interior(1) 30-10-5 to 32-9-0, Exterior(2R) 32-9-0 to 36-10-6, Interior(1) 36-10-6 to 42-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=282, 19=398, 12=198.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T22G	GABLE	1	1	T31312359
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:29 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-vA5YH?iNgZvEo0tilaVx75iFWtxbnjnarD8DDwynvO8

1-6-0	7-5-0	12-3-8	17-2-9	21-10-0	26-9-0	32-2-11	36-9-8	41-1-8	42-8-0
1-6-0	7-5-0	4-10-8	4-11-1	4-7-7	4-11-0	5-5-11	4-6-13	4-4-0	1-6-8

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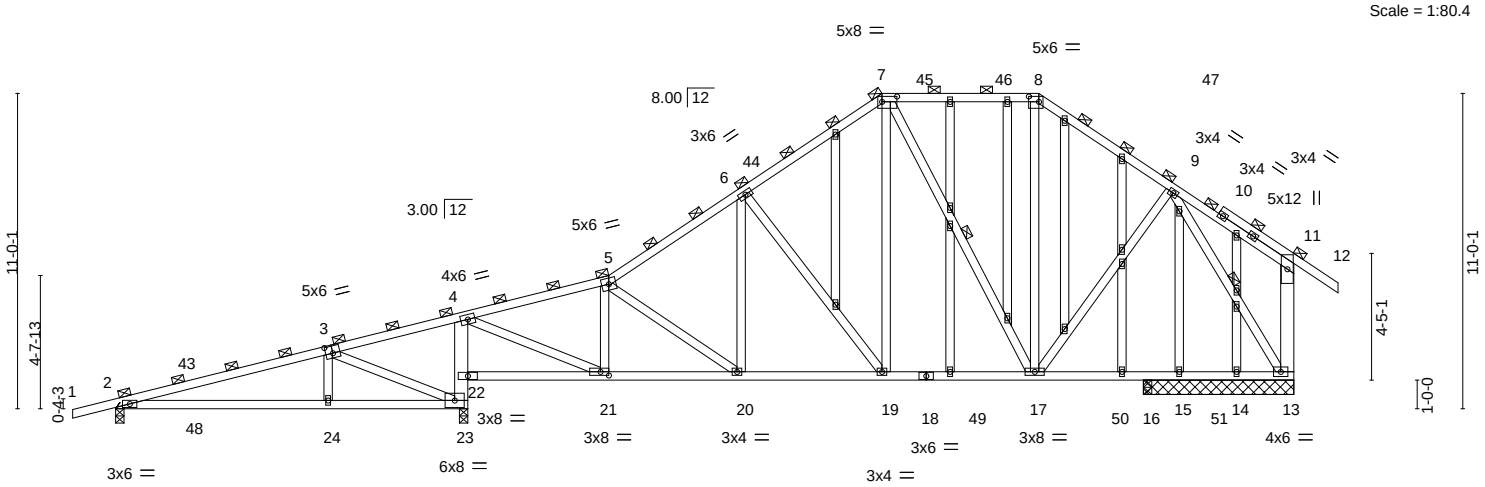

7-5-0	12-1-12	12-3-8	17-2-9	21-10-0	26-9-0	32-2-11	36-2-0	41-1-8
7-5-0	4-8-12	0-1-12	4-11-1	4-7-7	4-11-0	5-5-11	3-11-5	4-11-8

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-6-4,0-2-4], [8:0-4-4,0-2-4], [21:0-3-8,0-1-8]

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	0.49	Vert(LL)	0.18	24-42	>814	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.20	24-42	>724	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.02	13	n/a	n/a		
BCDL	10.0	Code	FBC2020/TPI2014	Matrix-MS							Weight: 344 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-23: 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
11-13: 2x6 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (5-0-14 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-12 oc bracing.
WEBS 1 Row at midpt 7-17, 9-13

REACTIONS. All bearings 5-3-0 except (jt=length) 2=0-3-8, 23=0-3-8, 16=0-3-8.
(lb) - Max Horz 2=296(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 11=-110(LC 13), 2=-281(LC 8), 23=-402(LC 12), 13=-123(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 11, 14, 15, 16 except 2=446(LC 25), 23=1745(LC 2), 13=829(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-530/694, 3-4=-320/432, 4-5=-1198/294, 5-6=-1279/396, 6-7=-998/407, 7-8=-648/367, 8-9=-834/378
BOT CHORD 2-24=-669/495, 23-24=-645/476, 22-23=-1340/418, 4-22=-1247/427, 21-22=-495/313, 20-21=-272/1188, 19-20=-294/1096, 17-19=-196/818, 16-17=-182/500, 15-16=-182/500, 14-15=-182/500, 13-14=-182/500
WEBS 3-24=-359/289, 3-23=-928/892, 4-21=-541/1744, 5-21=-522/245, 6-20=-9/266, 6-19=-463/198, 7-19=-125/591, 7-17=-336/90, 9-17=-81/285, 9-13=-950/273

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-7-6, Interior(1) 2-7-6 to 26-9-0, Exterior(2R) 26-9-0 to 30-10-5, Interior(1) 30-10-5 to 32-2-11, Exterior(2R) 32-2-11 to 36-4-1, Interior(1) 36-4-1 to 42-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
10) 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.

Continued on page 2

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312359
3582994	T22G	GABLE	1	1	Job Reference (optional)

NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 11=110, 2=281, 23=402, 13=123.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T23	Piggyback Base	1	1	T31312360
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:30 2023 Page 1
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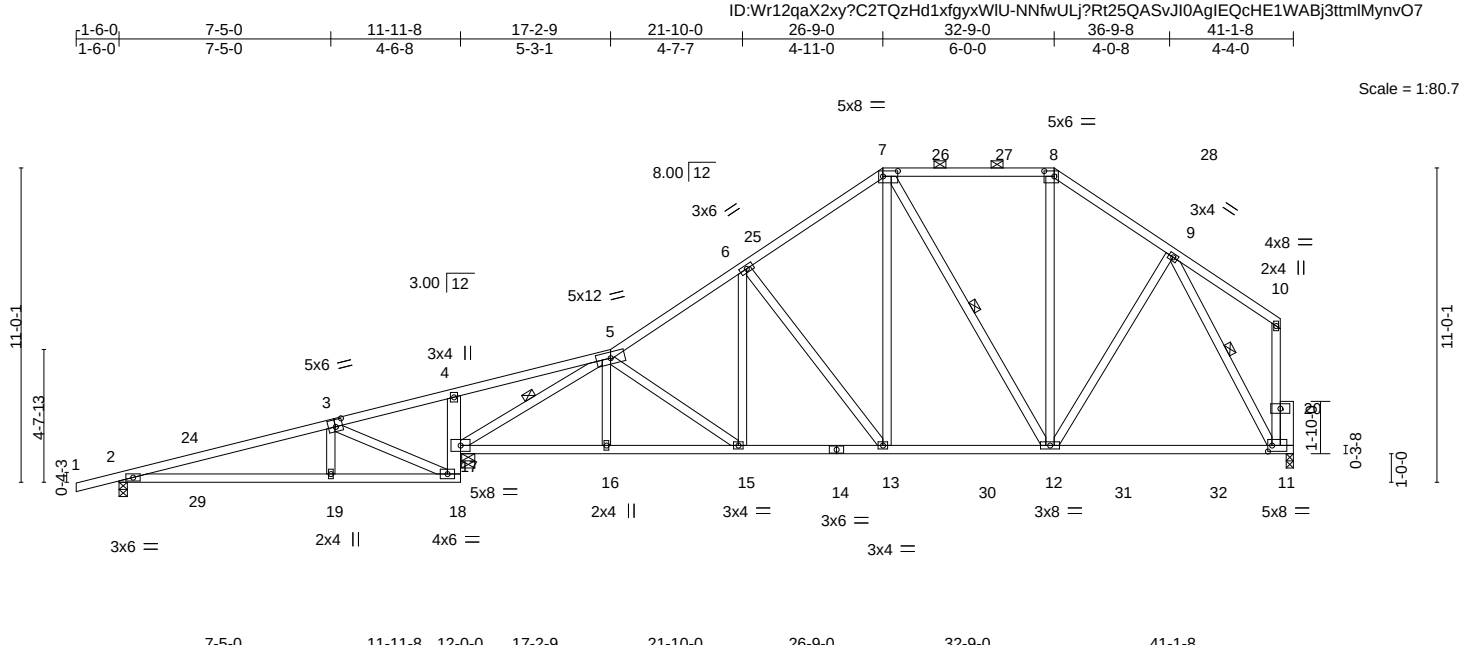

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-6-4,0-2-4], [8:0-4-4,0-2-4], [11:0-1-12,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.47	Vert(LL)	0.18	19-23	>791	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	0.14	19-23	>990	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 265 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-18: 2x6 SP No.2
WEBS 2x4 SP No.3
OTHERS 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-11 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 7-8.
BOT CHORD Rigid ceiling directly applied or 6-3-14 oc bracing.
WEBS 1 Row at midpt 5-17, 7-12, 9-11

REACTIONS. (size) 2=0-3-8, 17=0-5-8, 11=0-3-0
Max Horz 2=319(LC 9)
Max Uplift 2=-269(LC 8), 17=-395(LC 12), 11=-155(LC 13)
Max Grav 2=444(LC 25), 17=1761(LC 2), 11=1172(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-520/631, 3-4=-363/370, 4-5=-359/452, 5-6=-1414/398, 6-7=-1091/401, 7-8=-729/351, 8-9=-923/365
BOT CHORD 2-19=-684/486, 18-19=-660/467, 17-18=-416/401, 16-17=-355/1370, 15-16=-356/1363, 13-15=-364/1195, 12-13=-263/883, 11-12=-214/552
WEBS 3-19=-355/286, 3-18=-886/856, 5-17=-2050/613, 5-15=-254/83, 6-15=-21/324, 6-13=-518/207, 7-13=-133/603, 7-12=-308/108, 8-12=-60/297, 9-12=-90/366, 9-11=-1046/335

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-7-6, Interior(1) 2-7-6 to 26-9-0, Exterior(2R) 26-9-0 to 30-10-5, Interior(1) 30-10-5 to 32-9-0, Exterior(2R) 32-9-0 to 36-10-6, Interior(1) 36-10-6 to 40-6-4 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=269, 17=395, 11=155.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T23G	GABLE	1	1	T31312361
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:32 2023 Page 1
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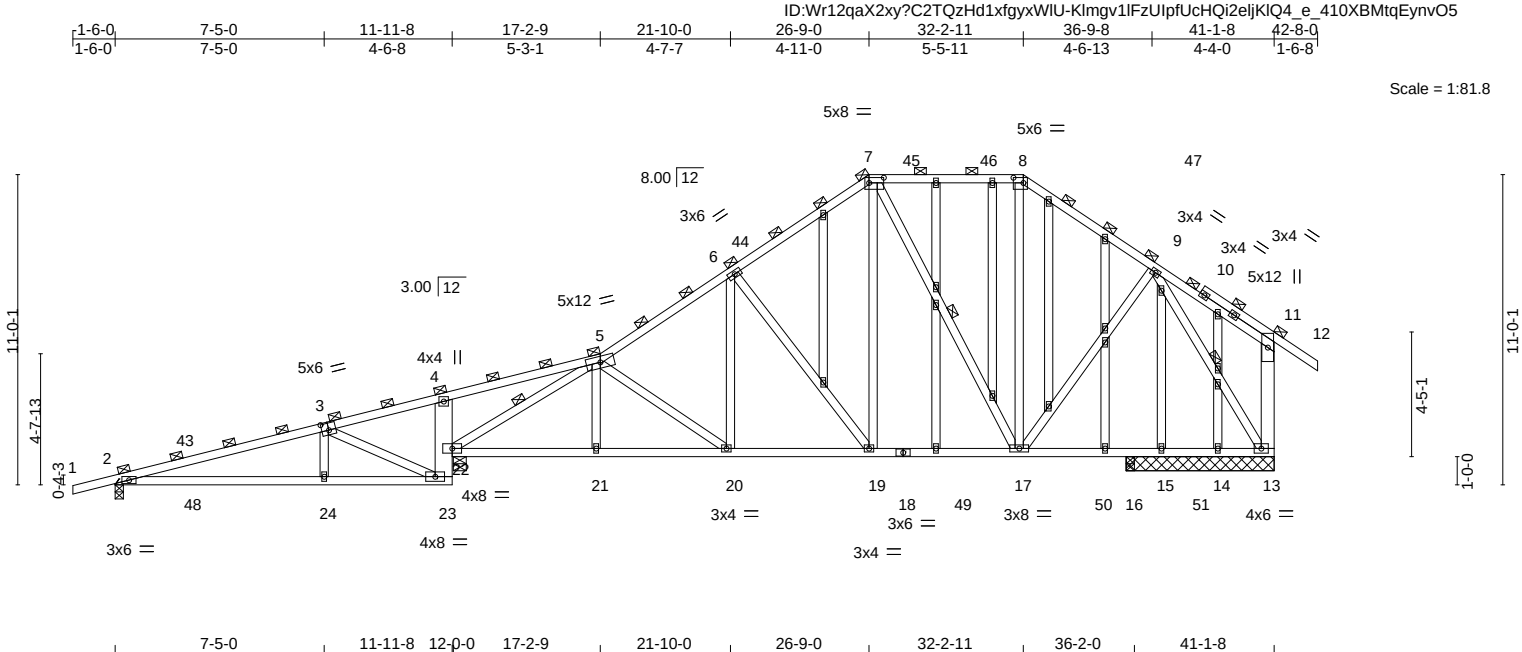

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [7:0-6-4,0-2-4], [8:0-4-4,0-2-4]

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	0.52	Vert(LL)	0.18	24-42	>794	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.20	24-42	>710	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.63	Horz(CT)	0.04	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 346 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-23: 2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 11-13: 2x6 SP No.2
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	2-0-0 oc purlins (4-11-12 max.), except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-9-1 oc bracing: 2-24 7-2-9 oc bracing: 23-24.
WEBS	1 Row at midpt 5-22, 7-17, 9-13

REACTIONS. All bearings 5-3-0 except (jt=length) 2=0-3-8, 22=0-5-8, 16=0-3-8.
(lb) - Max Horz 2=312(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 15 except 11=-110(LC 13), 2=-261(LC 8), 22=-404(LC 12), 13=-124(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 11, 14, 15, 16 except 2=418(LC 25), 22=1760(LC 2), 13=839(LC 2)

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

TOP CHORD	2-3=-418/566, 3-4=-364/472, 4-5=-391/589, 5-6=-1323/389, 6-7=-1019/404, 7-8=-658/365, 8-9=-846/376
BOT CHORD	2-24=-600/387, 23-24=-576/369, 22-23=-419/410, 21-22=-285/1299, 20-21=-287/1291, 19-20=-300/1140, 17-19=-199/839, 16-17=-183/506, 15-16=-183/506, 14-15=-183/506, 13-14=-183/506
WEBS	3-24=-352/282, 3-23=-891/855, 5-22=-2084/658, 6-20=-19/293, 6-19=-501/206, 7-19=-131/621, 7-17=-355/93, 8-17=-70/251, 9-17=-82/291, 9-13=-964/275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-7-6, Interior(1) 2-7-6 to 26-9-0, Exterior(2R) 26-9-0 to 30-10-5, Interior(1) 30-10-5 to 32-2-11, Exterior(2R) 32-2-11 to 36-4-1, Interior(1) 36-4-1 to 42-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
10) Bearing at joint(s) 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify

Continued on page 2

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Date:

August 15,2023

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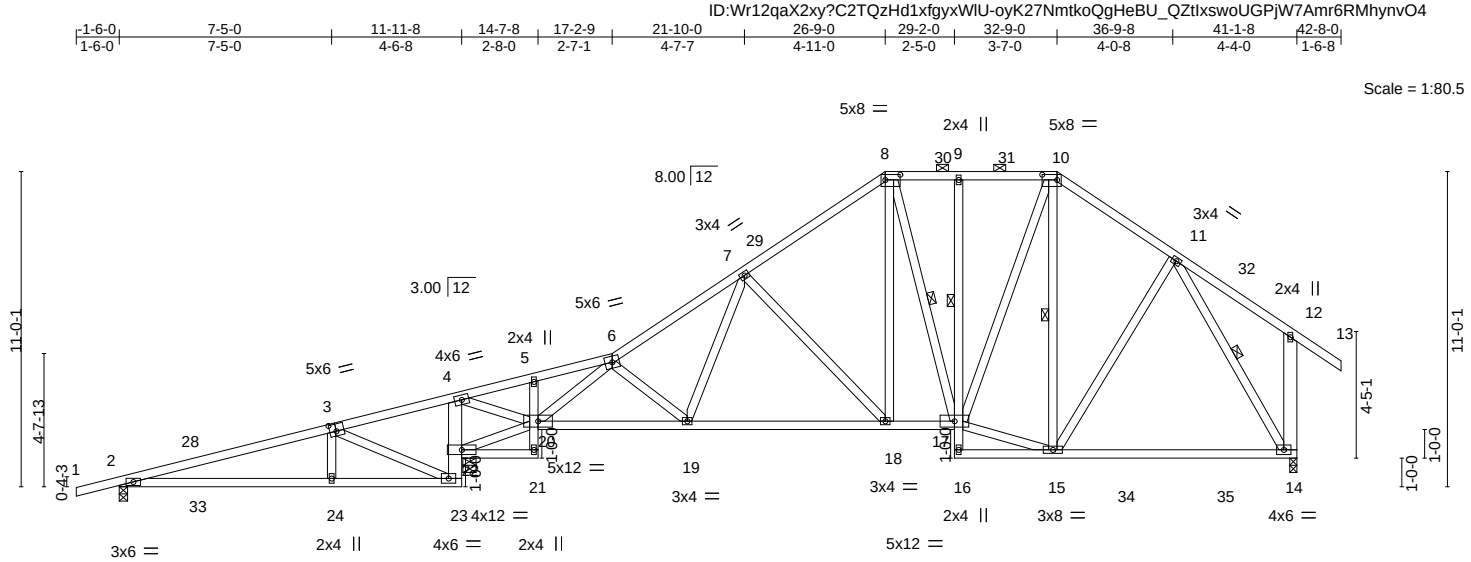
NOTES-

11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15 except (jt=lb) 11=110, 2=261, 22=404, 13=124.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312362
3582994	T24	Piggyback Base	5	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:33 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-oyK27NmtkoQgHeBU_QZtIxswoUGPjW7Amr6RMhynvO4



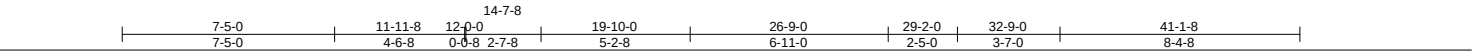


Plate Offsets (X,Y)-- [3:0-2-12,0-3-0], [8:0-6-4,0-2-4], [10:0-6-4,0-2-4]

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	0.54	Vert(LL)	0.17	24-27	>807	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.33	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.05	14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 293 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-23: 2x6 SP No.2, 5-21,9-16: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
12-14: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 9-17
WEBS 1 Row at midpt 8-17, 10-15, 11-14

REACTIONS. (size) 2=0-3-8, 22=0-5-8, 14=0-3-0
Max Horz 2=315(LC 11)
Max Uplift 2=-276(LC 8), 22=-419(LC 12), 14=-197(LC 13)
Max Grav 2=359(LC 23), 22=1869(LC 2), 14=1205(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-206/588, 3-4=-406/739, 4-5=-683/83, 5-6=-702/106, 6-7=-1610/413, 7-8=-1109/398, 8-9=-838/375, 9-10=-837/375, 10-11=-868/370, 12-14=-264/178
BOT CHORD 2-24=-570/162, 23-24=-546/144, 22-23=-417/402, 4-22=-1021/298, 19-20=-356/1518, 18-19=-335/1248, 17-18=-205/912, 14-15=-160/528
WEBS 3-24=-358/294, 3-23=-908/864, 20-22=-1036/432, 4-20=-468/1686, 6-20=-1099/380, 7-19=-38/395, 7-18=-507/217, 8-18=-120/590, 15-17=-143/704, 10-17=-152/483, 11-15=-76/318, 11-14=-981/255

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-7-6, Interior(1) 2-7-6 to 26-9-0, Exterior(2R) 26-9-0 to 30-10-5, Interior(1) 30-10-5 to 32-9-0, Exterior(2R) 32-9-0 to 36-10-6, Interior(1) 36-10-6 to 42-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=276, 22=419, 14=197.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T25	PIGGYBACK BASE	3	1	T31312363
					Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.530 s Mar 9 2023 MiTek Industries, Inc. Tue Aug 15 10:58:31 2023 Page 1

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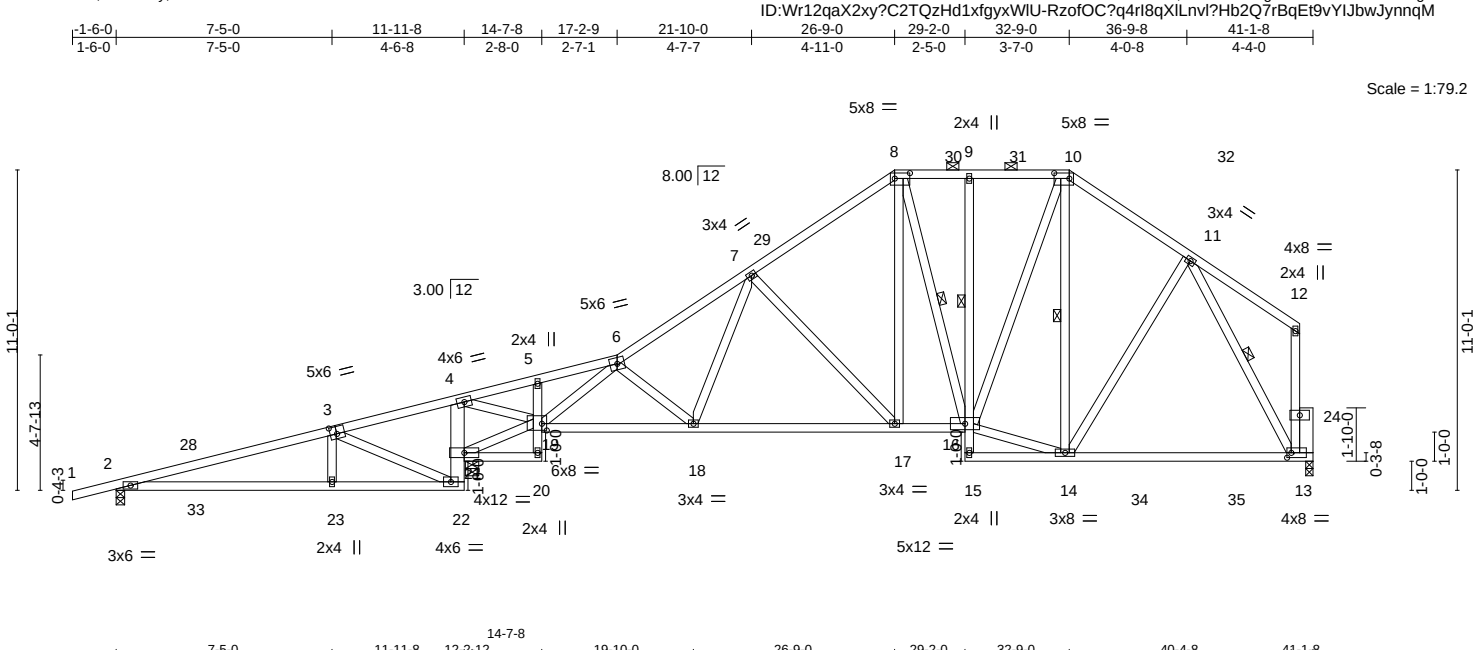

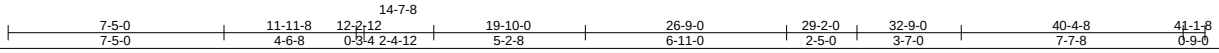

Plate Offsets (X,Y)-- [3:0-2-12,0-3-0], [8:0-6-4,0-2-4], [10:0-6-4,0-2-4], [13:0-1-12,0-2-0], [19:0-2-0,0-2-12]

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	0.54	Vert(LL)	0.17	23-27	>807	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.30	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 290 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-22: 2x6 SP No.2, 5-20,9-15: 2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x6 SP No.2

BRACING-

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

REACTIONS. (size) 2=0-3-8, 21=0-5-8, 13=0-3-0
Max Horz 2=276(LC 12)
Max Uplift 2=-255(LC 8), 21=-435(LC 12), 13=-154(LC 13)
Max Grav 2=360(LC 23), 21=1860(LC 2), 13=1107(LC 2)

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

TOP CHORD	2-3=-230/427, 3-4=-385/732, 4-5=-648/73, 5-6=-668/85, 6-7=-1598/367, 7-8=-1097/369, 8-9=-825/351, 9-10=-824/351, 10-11=-850/322
BOT CHORD	2-23=-568/167, 22-23=-544/147, 21-22=-417/402, 4-21=-1015/290, 18-19=-361/1480, 17-18=-310/1203, 16-17=-180/865, 13-14=-135/507
WEBS	3-23=-358/294, 3-22=-908/864, 19-21=-1028/387, 4-19=-454/1676, 6-19=-1089/374, 7-18=-28/391, 7-17=-509/211, 8-17=-117/591, 14-16=-119/677, 10-16=-144/487, 11-14=-70/331, 11-13=-974/281

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 2-7-6, Interior(1) 2-7-6 to 26-9-0, Exterior(2R) 26-9-0 to 30-10-5, Interior(1) 30-10-5 to 32-9-0, Exterior(2R) 32-9-0 to 36-10-6, Interior(1) 36-10-6 to 40-6-4 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 255 lb uplift at joint 2, 435 lb uplift at joint 21 and 154 lb uplift at joint 13.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T26	Common	1	1	T31312364
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:35 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-kKSpY3n8FPgNWxLs6rcLNMyFpI_RBYGSD9bXRZynvO2

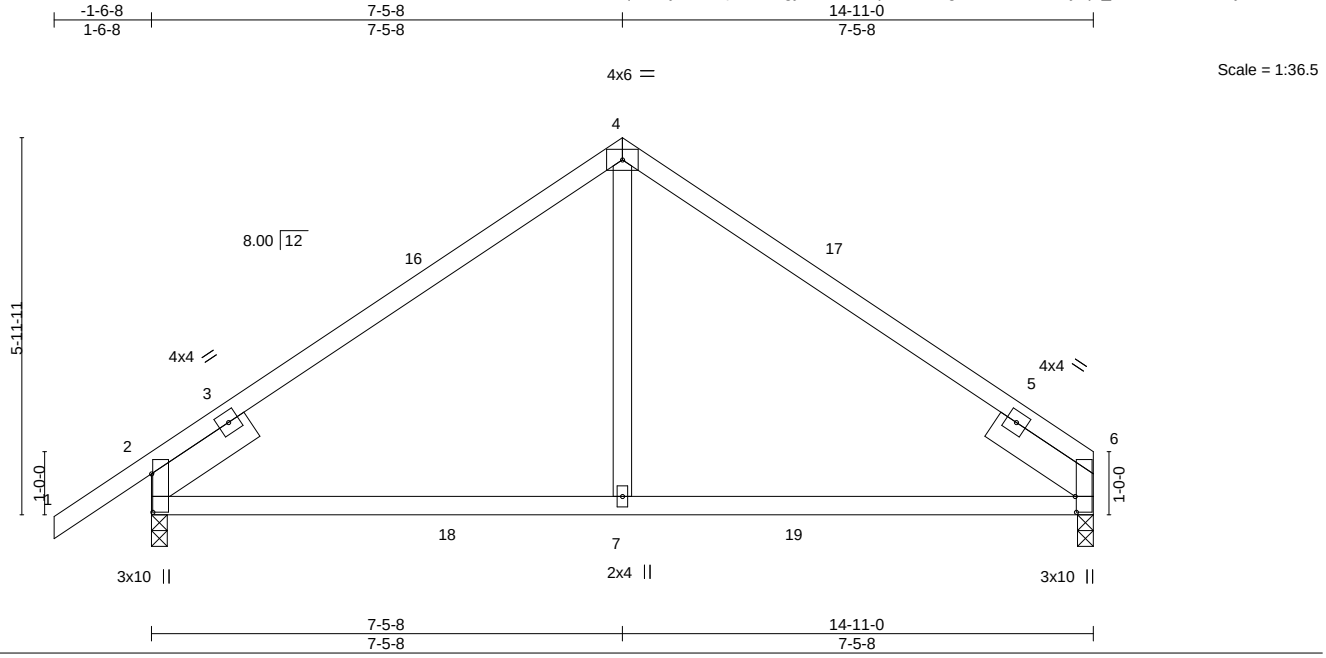

Plate Offsets (X,Y)-- [2:0-7-5,0-0-4], [6:0-3-0,0-0-4]

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	0.57	Vert(LL)	-0.10	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.15	7-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 69 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

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) 6=0-3-0, 2=0-3-0
Max Horz 2=125(LC 11)
Max Uplift 6=-106(LC 13), 2=-140(LC 12)
Max Grav 6=649(LC 20), 2=732(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-692/253, 4-6=-617/169
BOT CHORD 2-7=-58/533, 6-7=-58/533
WEBS 4-7=-4/403

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 7-5-8, Exterior(2R) 7-5-8 to 10-5-8, Interior(1) 10-5-8 to 14-11-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=106, 2=140.

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Date:

August 15,2023

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312365
3582994	T26G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:36 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-CX0BlPom0joE85w2fY7awZUWMhS7w17cSpK5z0ynvO1

-1-6-8 | 7-5-8 | 14-11-0 | 16-5-8
1-6-8 | 7-5-8 | 7-5-8 | 1-6-8

Scale = 1:34.8

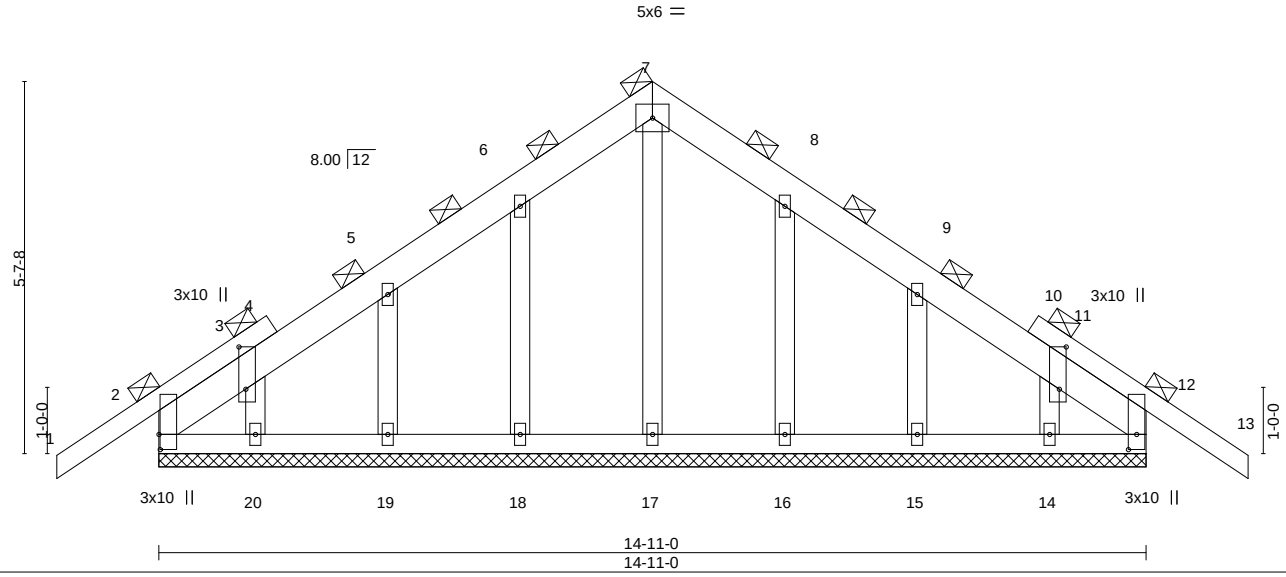

Plate Offsets (X,Y)-- [2:0-2-12,0-0-4], [3:0-7-11,0-1-4], [11:0-7-11,0-1-4], [12:0-2-12,0-1-8]

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	0.14	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S							Weight: 104 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2 *Except*
1-4,10-13: 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 14-11-0.
(lb) - Max Horz 2=122(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 20, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

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=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Corner(3E) -1-6-8 to 1-4-3, Exterior(2N) 1-4-3 to 7-5-8, Corner(3R) 7-5-8 to 10-5-8, Exterior(2N) 10-5-8 to 16-5-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 18, 19, 20, 16, 15, 14.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES.
3582994	T27	Roof Special	5	1	T31312366
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:37 2023 Page 1
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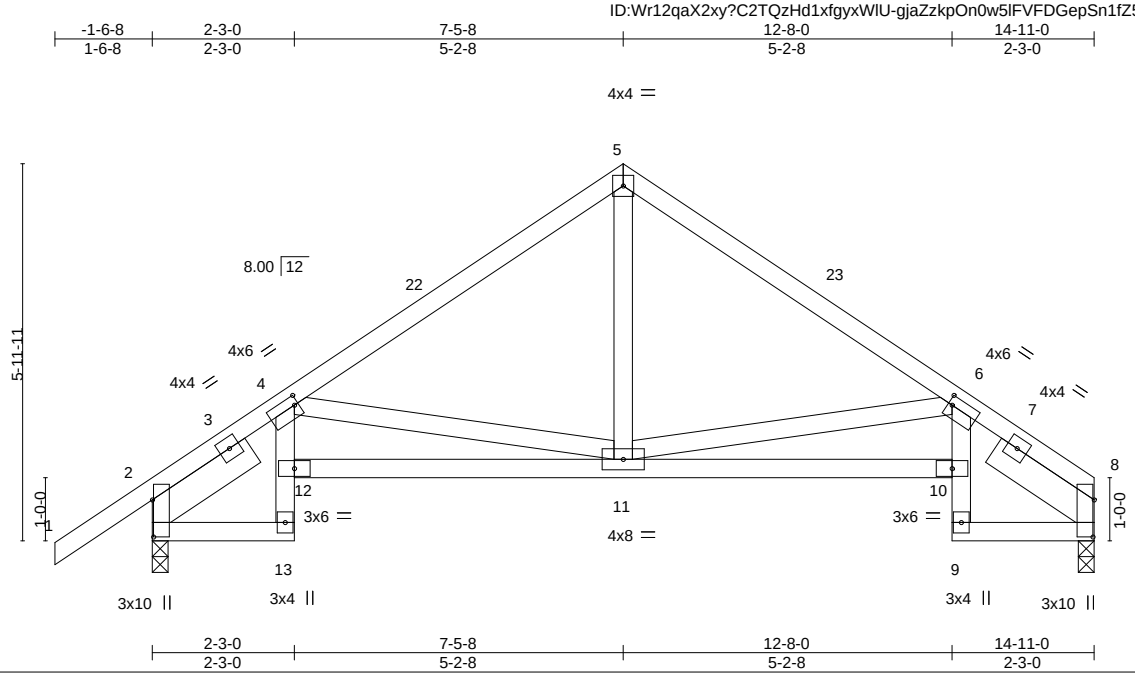

Plate Offsets (X,Y)-- [2:0-7-1,0-0-4], [4:0-0-12,0-1-12], [6:0-0-12,0-1-12], [8:0-7-1,0-0-4]

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	0.30	Vert(LL)	-0.05	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.11	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.11	8	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 89 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

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) 8=0-3-0, 2=0-3-0
Max Horz 2=125(LC 11)
Max Uplift 8=-106(LC 13), 2=-140(LC 12)
Max Grav 8=548(LC 1), 2=639(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-620/169, 4-5=-648/168, 5-6=-648/174, 6-8=-645/178
BOT CHORD 2-13=-150/469, 11-12=-329/995, 10-11=-242/972, 8-9=-108/462
WEBS 5-11=-55/391, 6-11=-534/253, 4-11=-542/281

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-8 to 1-5-8, Interior(1) 1-5-8 to 7-5-8, Exterior(2R) 7-5-8 to 10-5-8, Interior(1) 10-5-8 to 14-11-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=106, 2=140.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

August 15,2023

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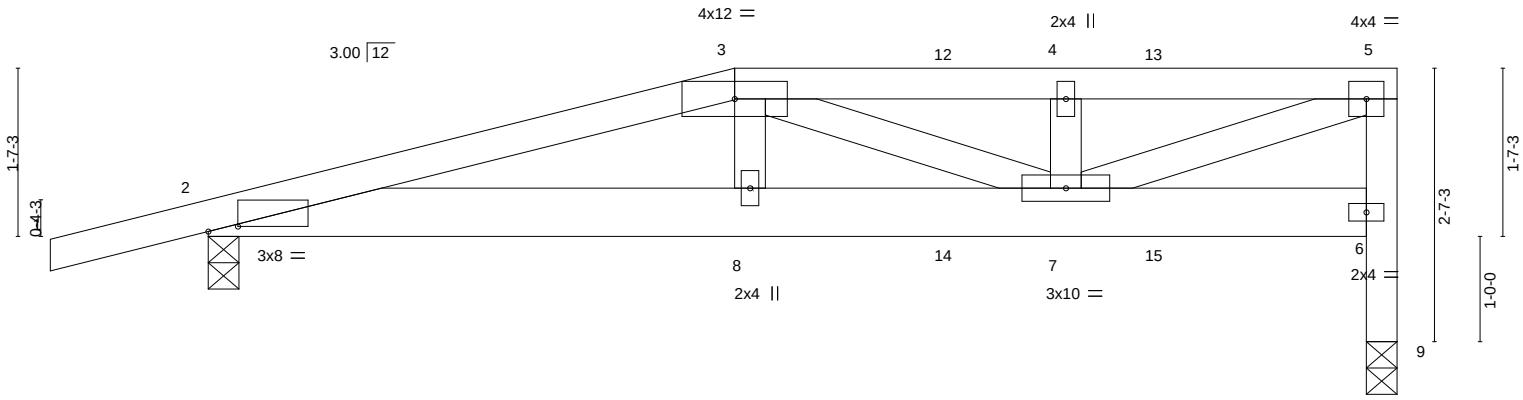
Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312367
3582994	T28	Half Hip Girder	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:38 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-8v8xA4p0YK2yNP4Rnz92?_arCV27OrWvv7pC1uynvO?

-1-6-0 | 5-0-0 | 8-1-12 | 11-3-8
1-6-0 | 5-0-0 | 3-1-12 | 3-1-12

Scale = 1:21.9



5-0-0 | 8-1-12 | 11-3-8
5-0-0 | 3-1-12 | 3-1-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	0.06	8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.08	8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MS							Weight: 60 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-14 oc bracing.

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=61(LC 23)
Max Uplift 2=-335(LC 4), 9=-381(LC 4)
Max Grav 2=638(LC 1), 9=743(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1526/759, 3-4=-1152/589, 4-5=-1152/589, 6-9=-743/381, 5-6=-607/312
BOT CHORD 2-8=-749/1466, 7-8=-764/1495
WEBS 3-8=-125/310, 3-7=-368/187, 4-7=-262/133, 5-7=-591/1155

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; porch left and right exposed; 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) Bearing at joint(s) 9 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=335, 9=381.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 75 lb down and 63 lb up at 5-0-0, 56 lb down and 63 lb up at 7-0-12, and 56 lb down and 63 lb up at 9-0-12, and 77 lb down and 61 lb up at 11-1-12 on top chord, and 110 lb down and 113 lb up at 5-0-0, 45 lb down and 45 lb up at 7-0-12, and 45 lb down and 45 lb up at 9-0-12, and 60 lb down and 43 lb up at 11-1-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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=-54, 3-5=-54, 2-6=-20

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Continued on page 2

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LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-56(B) 6=-47(B) 8=-102(B) 5=-77(B) 12=-56(B) 13=-56(B) 14=-40(B) 15=-40(B)

Job	Truss	Truss Type	Qty	Ply	IC CONST. - MEREDITH RES. T31312368
3582994	T29	MONO TRUSS	16	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.530 s Aug 2 2023 MiTek Industries, Inc. Mon Aug 14 14:22:39 2023 Page 1
ID:Wr12qaX2xy?C2TQzHd1xfgyxWlU-c6hKNQqeJeAp?ZedLggHXC6yBvQp7Ky28nZlaKynvO_

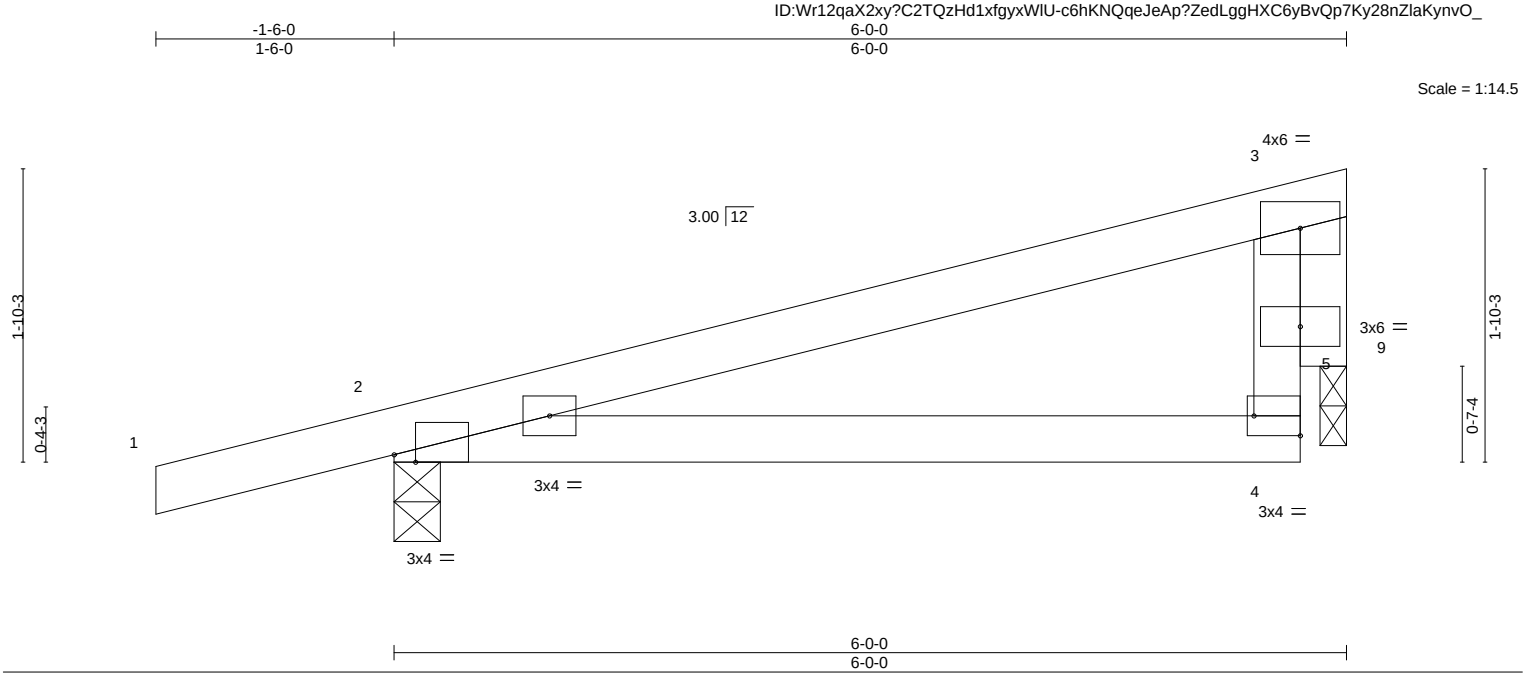

Plate Offsets (X,Y)-- [2:0-1-10,Edge], [4:Edge,0-1-8]

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	0.48	Vert(LL)	0.06	4-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	0.05	4-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-MR							Weight: 23 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 9-6-11 oc bracing.

REACTIONS. (size) 2=0-3-8, 9=0-2-0
Max Horz 2=65(LC 8)
Max Uplift 2=-165(LC 8), 9=-94(LC 8)
Max Grav 2=309(LC 1), 9=183(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-223/299
BOT CHORD 2-4=-334/201

NOTES-
1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Exterior(2E) -1-6-0 to 1-6-0, Interior(1) 1-6-0 to 5-6-12 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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 9 except (jt=lb) 2=165.

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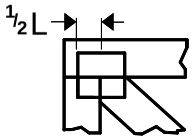
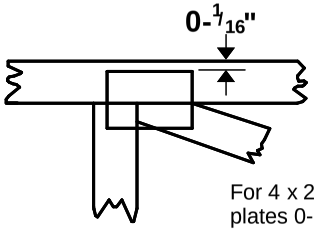
Symbols

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.

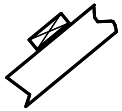
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

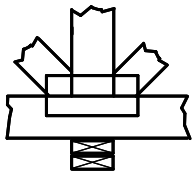
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

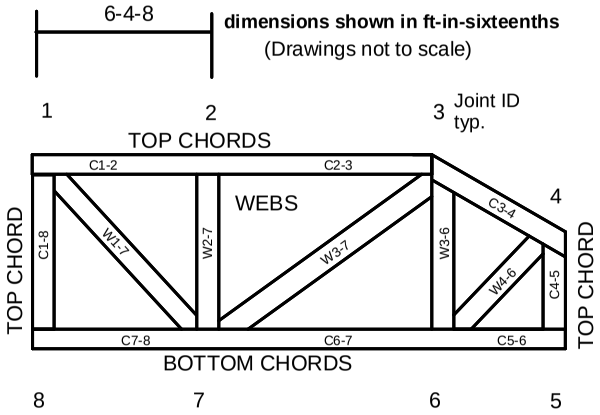


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & 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-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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®

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.