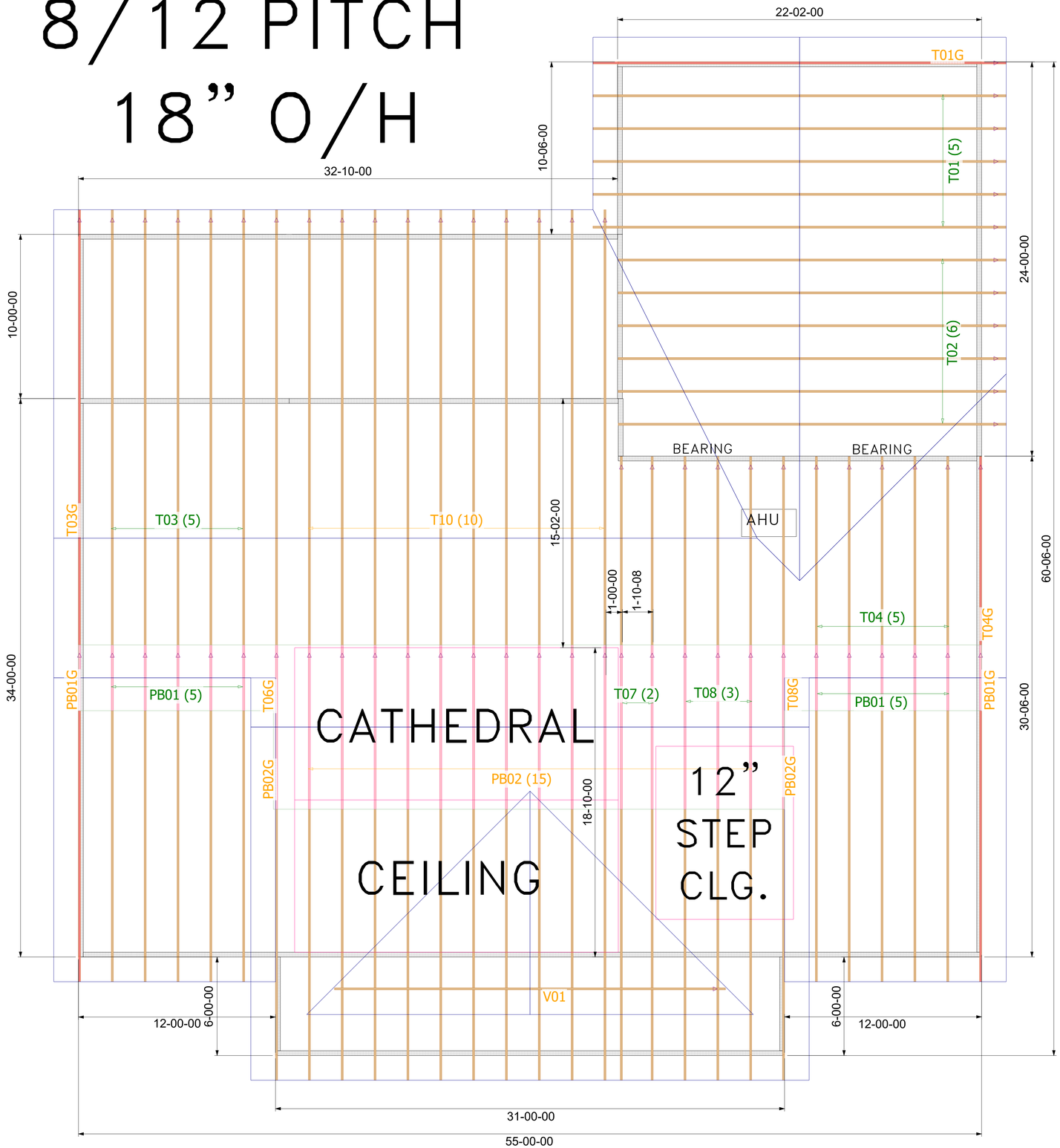
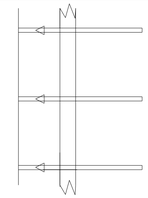
8/12 PITCH
18" O/H



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

THE ARROW HEAD AT THE END OF THE TRUSS ON THE TRUSS PLACEMENT PLAN (LAYOUT) CORRESPONDS WITH THE LEFT SIDE OF THE INDIVIDUAL TRUSS DRAWING. USE THIS AS AN ORIENTATION GUIDE WHEN SETTING THE TRUSSES ON THE STRUCTURE.



General Notes:

- Per ANSI/TPI 1-2002 all " Truss to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.
- Use Manufacturer's specifications for all hanger connections unless noted otherwise.
- Trusses are to be 24" o.c. U.N.O.
- All hangers are to be Simpson or equivalent U.N.O.- Use 10d x 1 1/2" Nails in hanger connections to single ply girder trusses.
- Trusses are not designed to support brick U.N.O.
- Dimensions are Feet-Inches- Sixteenths

Notes:

No back charges will be accepted by Builders FirstSource unless approved in writing first. 850-835-4541

ACQ lumber is corrisive to truss plates. Any ACQ lumber that comes in contact with truss plates (i.e. scabbed on tails) must have an approved barrier applied first.

Refer to BCSI-B1 Summary Sheet-Guide for handling, Installing and Bracing of Metal Plate Connected Wood Truss prior to and during truss installation.

It is the responsibility of the Contractor to ensure of the proper orientation of the truss placement plans as to the construction documents and field conditions of the structure orientation. If a reversed or flipped layout is required, it will be supplied at no extra cost by Builders FirstSource.

It is the responsibility of the Contractor to make sure the placement of trusses are adjusted for plumbing drops, can lights, ect..., so the trusses do not interfere with these type of items.

All common framed roof or floor systems must be designed as to NOT impose any loads on the floor trusses below. The floor trusses have not been designed to carry any additional loads from above.

This truss placement plan was not created by an engineer, but rather by the Builders FirstSource staff and is solely to be used as an installation guide and does not require a seal. Complete truss engineering and analysis can be found on the truss design drawings which may be sealed by the truss design engineer.

Gable end trusses require continuous bottom chord bearing. Refer to local codes for wall framing requirements.

Although all attempts have been made to do so, trusses may not be designed symmetrically. Please refer to the individual truss drawings and truss placement plans for proper orientation and placement.

Builders FIRSTSOURCE

Lake City
PHONE: 386-755-6894
FAX: 386-755-7973

Jacksonville
PHONE: 904-772-6100
FAX: 904-772-1973

Tallahassee
PHONE: 850-576-5177

Builder:	BLAKE CONST.
Legal Address:	Nash Res.
Model:	Custom

Date:	Drawn By:	Original Ref #:
4-12-24	KLH	3981404
Floor 1 Job#:	Floor 2 Job#:	Roof Job #:
N/A	N/A	3981404

MiTek®

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

RE: 3981404 - BLAKE CONST. - NASH RES.

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

Site Information:

Customer Info: Blake Const. Project Name: Nash Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 2625 NW Nash Road, TBD
City: Columbia Cty State: FL

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

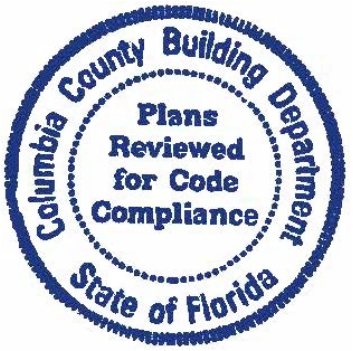
Name: License #:
Address:
City: State:

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

Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 37.0 psf Floor Load: N/A psf

This package includes 17 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.

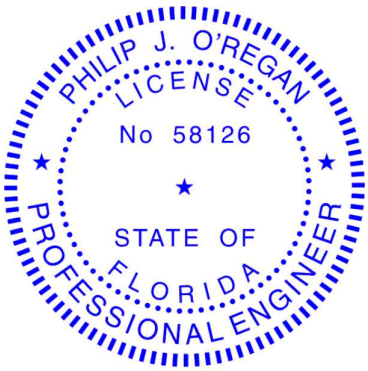
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T33536028	PB01	4/15/24	15	T33536042	T08G	4/15/24
2	T33536029	PB01G	4/15/24	16	T33536043	T10	4/15/24
3	T33536030	PB02	4/15/24	17	T33536044	V01	4/15/24
4	T33536031	PB02G	4/15/24				
5	T33536032	T01	4/15/24				
6	T33536033	T01G	4/15/24				
7	T33536034	T02	4/15/24				
8	T33536035	T03	4/15/24				
9	T33536036	T03G	4/15/24				
10	T33536037	T04	4/15/24				
11	T33536038	T04G	4/15/24				
12	T33536039	T06G	4/15/24				
13	T33536040	T07	4/15/24				
14	T33536041	T08	4/15/24				



This item has been digitally signed and sealed by ORegan, Philip, PE on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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.



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

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.

April 15,2024

ORegan, Philip

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	PB01	Piggyback	10	1	T33536028
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:29 2024 Page 1
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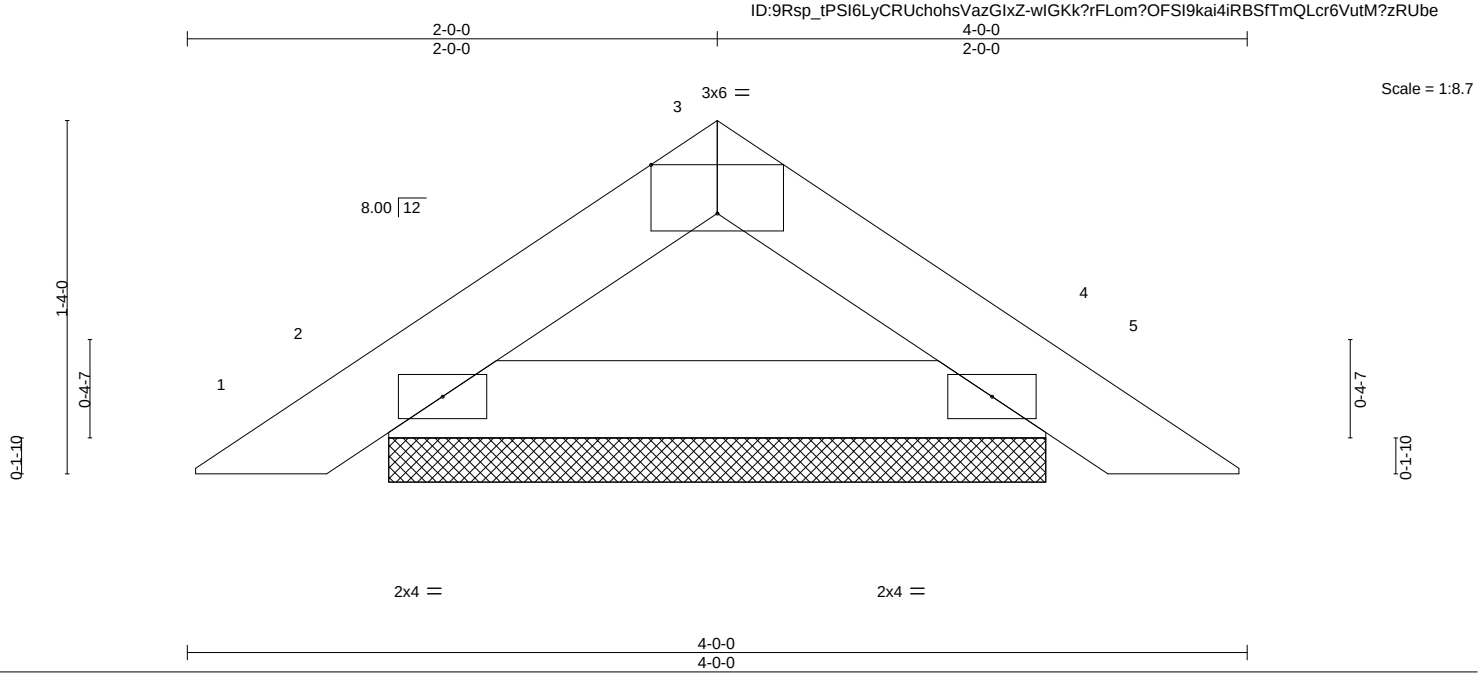

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							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 4-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=2-5-12, 4=2-5-12
Max Horz 2=36(LC 11)
Max Uplift 2=-50(LC 12), 4=-50(LC 13)
Max Grav 2=118(LC 1), 4=118(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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 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) 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.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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:

April 15,2024

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

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	PB01G	PIGGYBACK	2	1	T33536029
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:30 2024 Page 1
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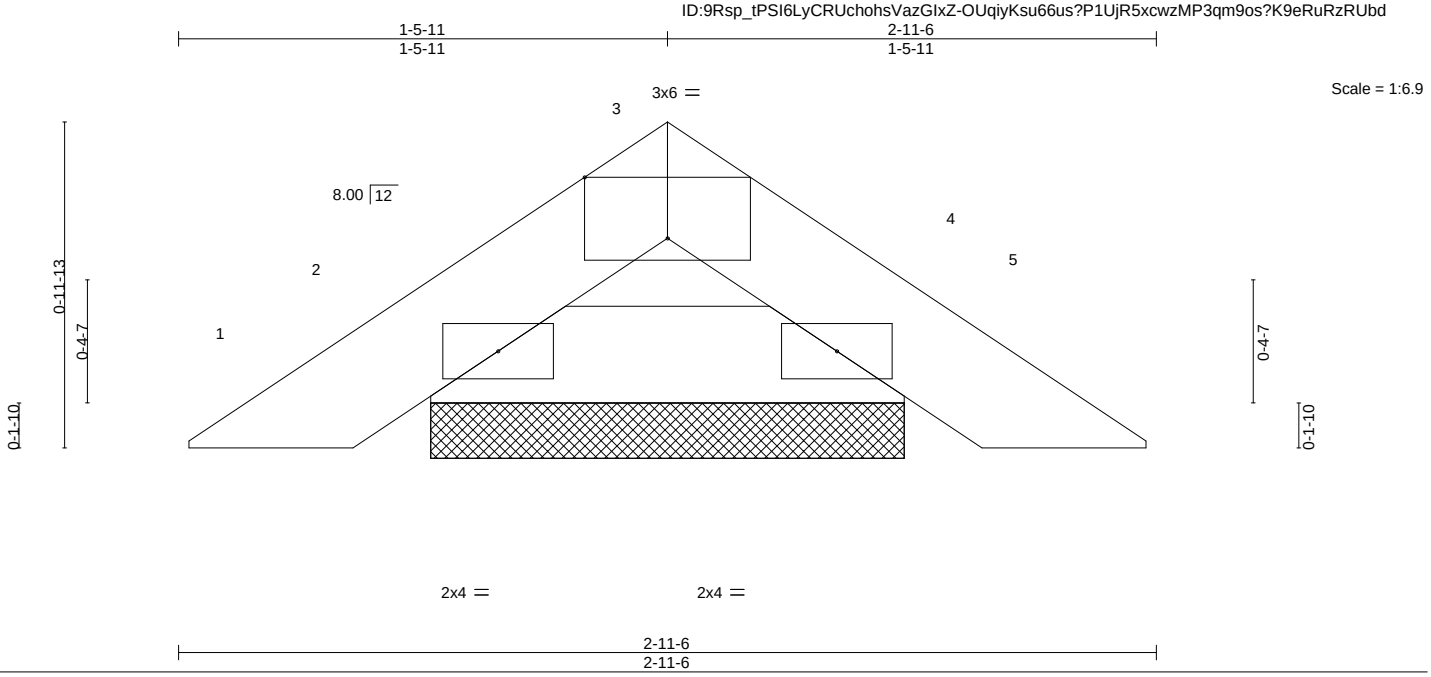

Plate Offsets (X,Y)-- [3:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	-0.00	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 7 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=1-5-2, 4=1-5-2
Max Horz 2=-25(LC 10)
Max Uplift 2=-37(LC 12), 4=-37(LC 13)
Max Grav 2=79(LC 1), 4=79(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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 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) 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.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 15,2024

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	PB02	Piggyback	15	1	T33536030
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:30 2024 Page 1
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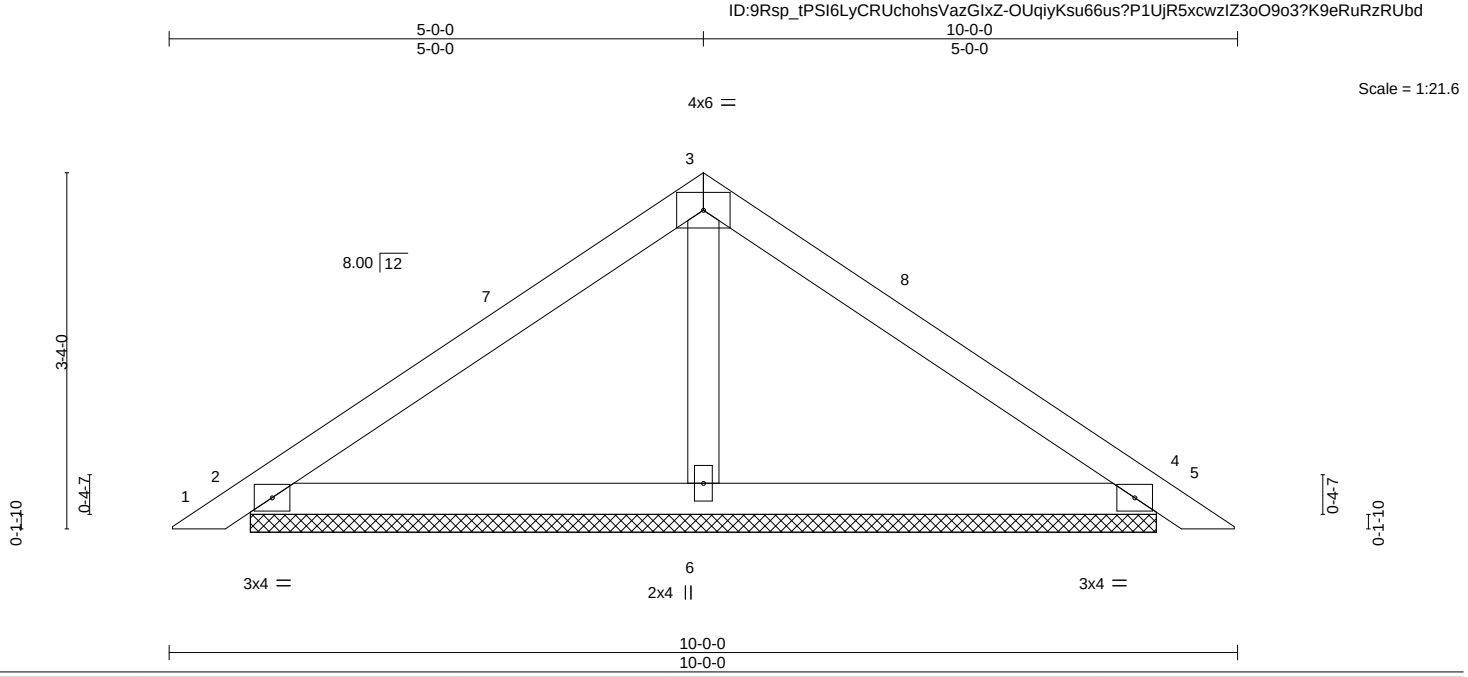

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	0.01	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 34 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=8-5-12, 4=8-5-12, 6=8-5-12
Max Horz 2=-98(LC 10)
Max Uplift 2=-86(LC 12), 4=-99(LC 13), 6=-87(LC 12)
Max Grav 2=181(LC 1), 4=181(LC 20), 6=318(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 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 5-0-0, Zone2 5-0-0 to 9-2-14, Zone1 9-2-14 to 9-8-11 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) 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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 15,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	PB02G	GABLE	2	1	T33536031
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:31 2024 Page 1
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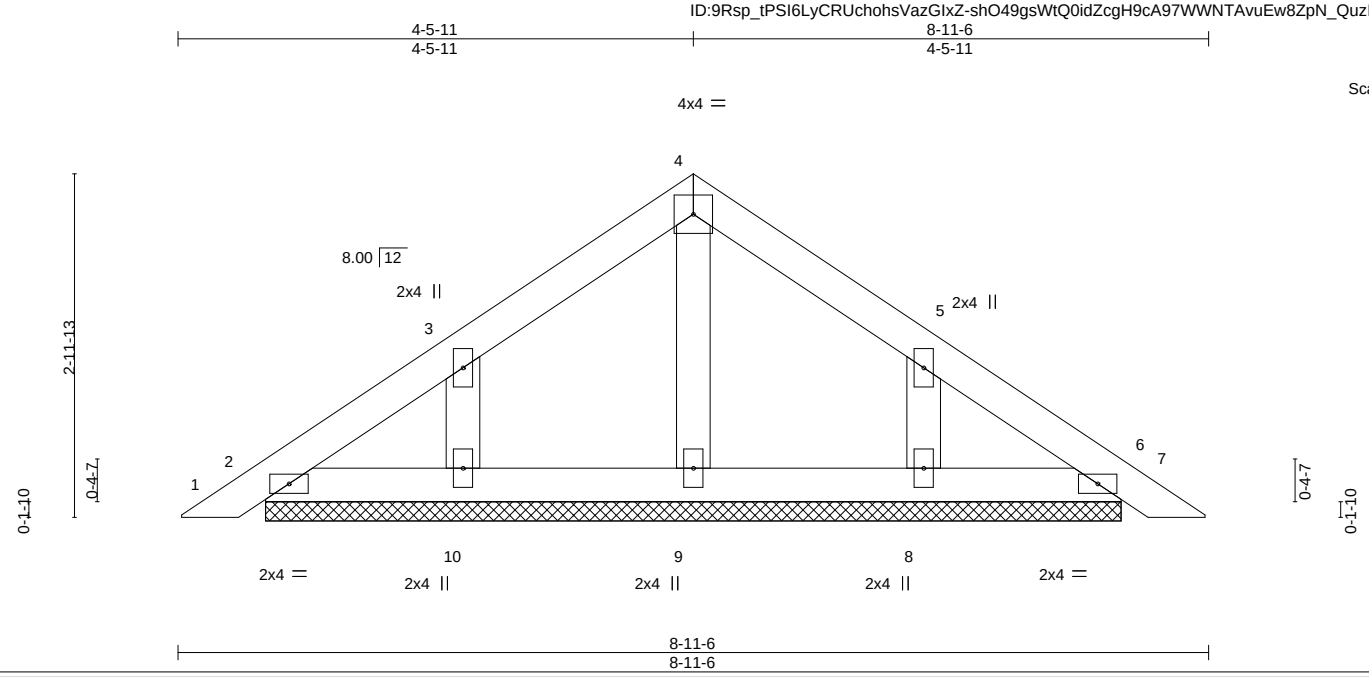

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.08	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 33 lb	FT = 20%

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

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

REACTIONS. All bearings 7-5-2.
(lb) - Max Horz 2=-87(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 10=-122(LC 12), 8=-121(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9, 10, 8

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-148/256, 5-8=-148/256

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 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) 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, 6 except (jt=lb) 10=122, 8=121.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

April 15,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	T01	Common	5	1	T33536032
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:31 2024 Page 1
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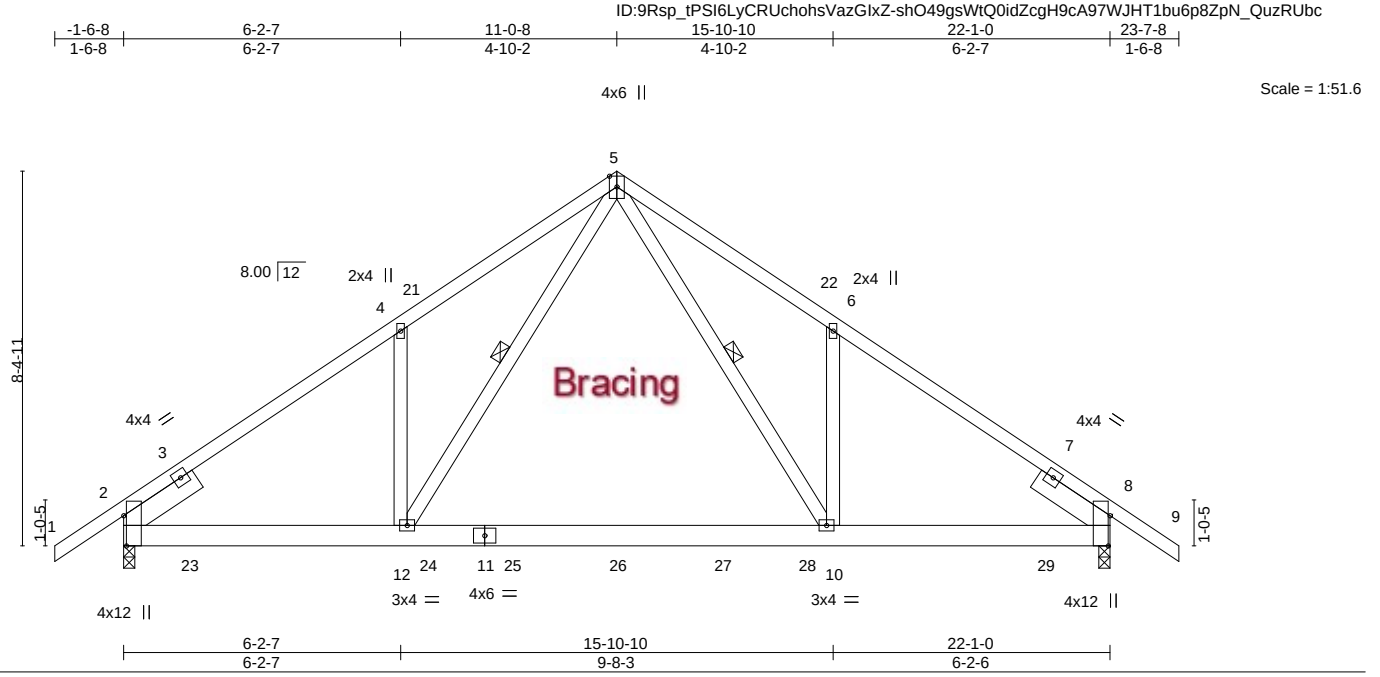

Plate Offsets (X,Y)-- [2:0-8-2,Edge], [8:0-8-2,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.92	Vert(LL)	0.51	10-12	>515	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	0.45	10-12	>592	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	-0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 146 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
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 3-4-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-2-2 oc bracing.
WEBS	1 Row at midpt 5-10, 5-12

REACTIONS. (size) 2=0-3-0, 8=0-3-0
Max Horz 2=262(LC 11)
Max Uplift 2=-478(LC 12), 8=-478(LC 13)
Max Grav 2=1227(LC 2), 8=1227(LC 2)

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

TOP CHORD	2-4=-1601/2034, 4-5=-1574/2164, 5-6=-1601/2205, 6-8=-1625/2071
BOT CHORD	2-12=-1509/1330, 10-12=-864/867, 8-10=-1567/1287
WEBS	5-10=-1356/937, 6-10=-285/327, 5-12=-1292/895, 4-12=-281/327

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-8 to 1-5-8, Zone1 1-5-8 to 11-0-8, Zone2 11-0-8 to 15-3-7, Zone1 15-3-7 to 23-7-8 zone; end vertical left and right exposed; 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=478, 8=478.
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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Date:

April 15,2024

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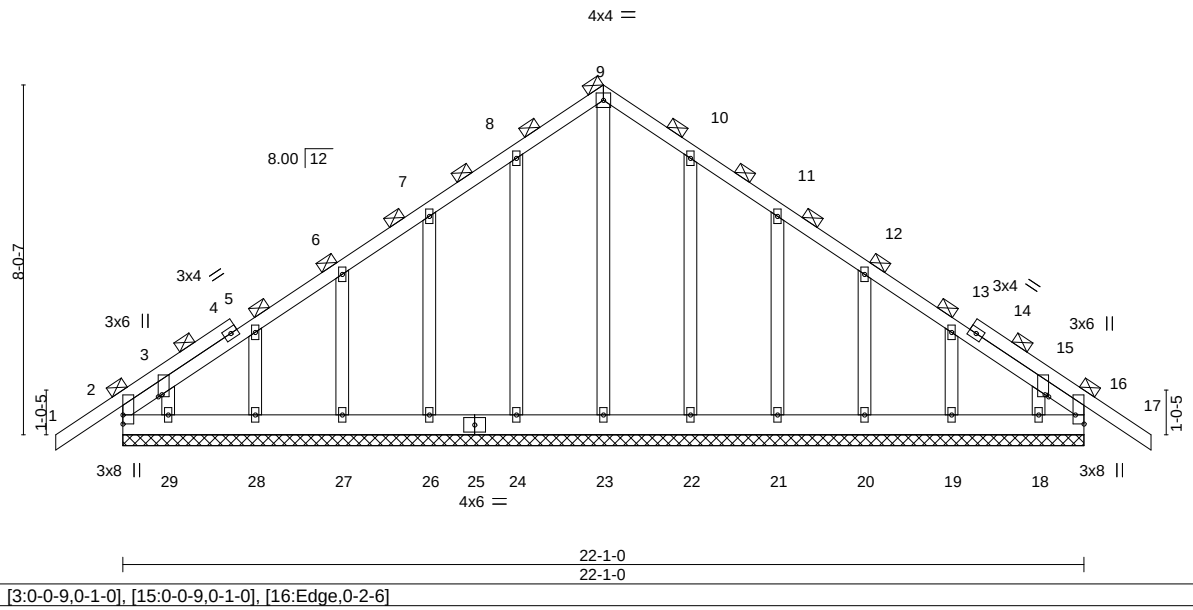
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536033
3981404	T01G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:32 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-KtySN0t8ej8ZFiBtqs8PiL3fJsWydgtIoT7YzKzRUbb

-1-6-8 | 11-0-8 | 22-1-0 | 23-7-8
1-6-8 | 11-0-8 | 11-0-8 | 1-6-8

Scale = 1:52.9



22-1-0
22-1-0

Plate Offsets (X,Y)-- [3:0-0-9,0-1-0], [15:0-0-9,0-1-0], [16:Edge,0-2-6]

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	0.14	Vert(LL)	-0.01	17	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	17	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 166 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 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 22-1-0.
(lb) - Max Horz 2=-251(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 16 except 2=-114(LC 8), 24=-113(LC 12), 26=-113(LC 12), 27=-113(LC 12), 28=-104(LC 12), 29=-139(LC 12), 22=-111(LC 13), 21=-114(LC 13), 20=-113(LC 13), 19=-107(LC 13), 18=-122(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 16, 23, 24, 26, 27, 28, 29, 22, 21, 20, 19, 18

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-280/191

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; end vertical left and right exposed; 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 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) 16 except (jt=lb) 2=114, 24=113, 26=113, 27=113, 28=104, 29=139, 22=111, 21=114, 20=113, 19=107, 18=122.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 16.
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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Date:

April 15,2024

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	T02	Common	6	1	T33536034
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:33 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-o3WraMumP1HQssl3OZfeEYbeoGj5M0HR17s5VmzRUba

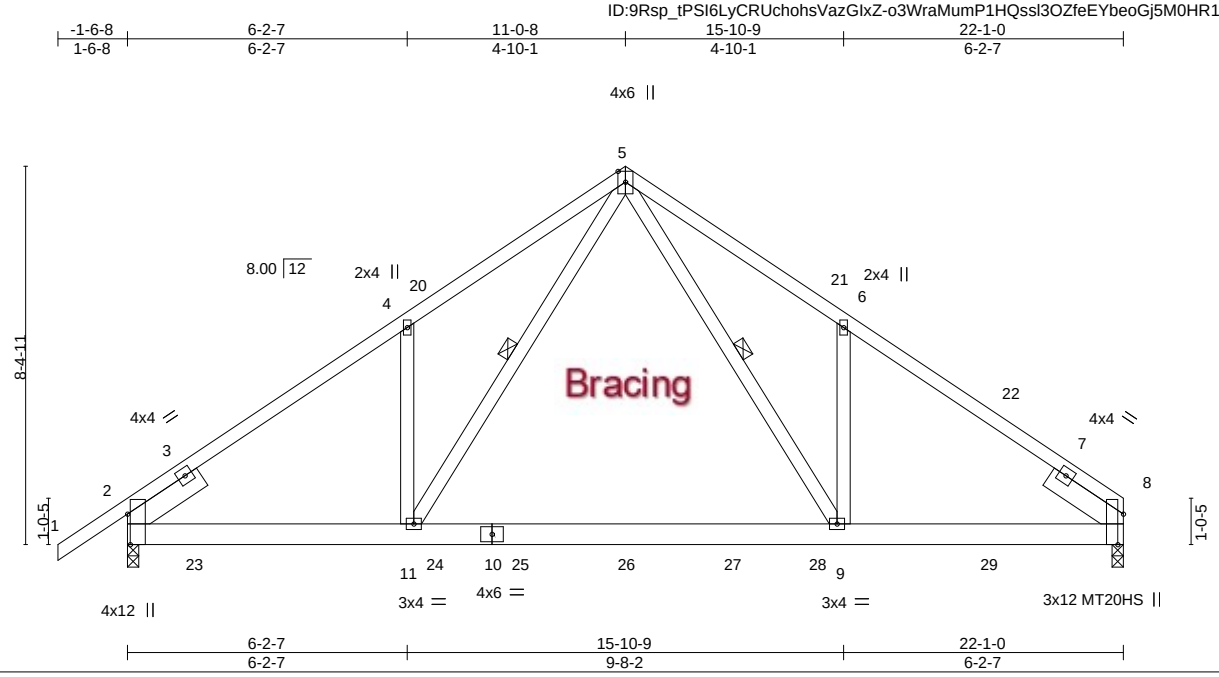

Plate Offsets (X,Y)-- [2:0-8-2,Edge], [8:0-8-2,Edge]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.92	Vert(LL)	0.51	9-11	>517	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25	BC	0.62	Vert(CT)	0.45	9-11	>594	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr NO	WB	0.60	Horz(CT)	-0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014	Matrix-MS							Weight: 143 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except*
	8-10: 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 3-4-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-1-0 oc bracing.
WEBS	1 Row at midpt 5-9, 5-11

REACTIONS. (size) 8=0-3-0, 2=0-3-0
Max Horz 2=251(LC 11)
Max Uplift 8=-425(LC 13), 2=-478(LC 12)
Max Grav 8=1156(LC 2), 2=1229(LC 2)

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

TOP CHORD	2-4=-1603/2044, 4-5=-1576/2175, 5-6=-1613/2222, 6-8=-1636/2103
BOT CHORD	2-11=-1580/1316, 9-11=-914/853, 8-9=-1603/1297
WEBS	5-9=-1361/951, 6-9=-288/328, 5-11=-1285/893, 4-11=-281/327

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-8 to 1-5-8, Zone1 1-5-8 to 11-0-8, Zone2 11-0-8 to 15-3-7, Zone1 15-3-7 to 22-1-0 zone; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=425, 2=478.
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: 1-5=-54, 5-8=-54, 11-16=-20, 9-11=-80(F=-60), 9-12=-20

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Date:

April 15,2024

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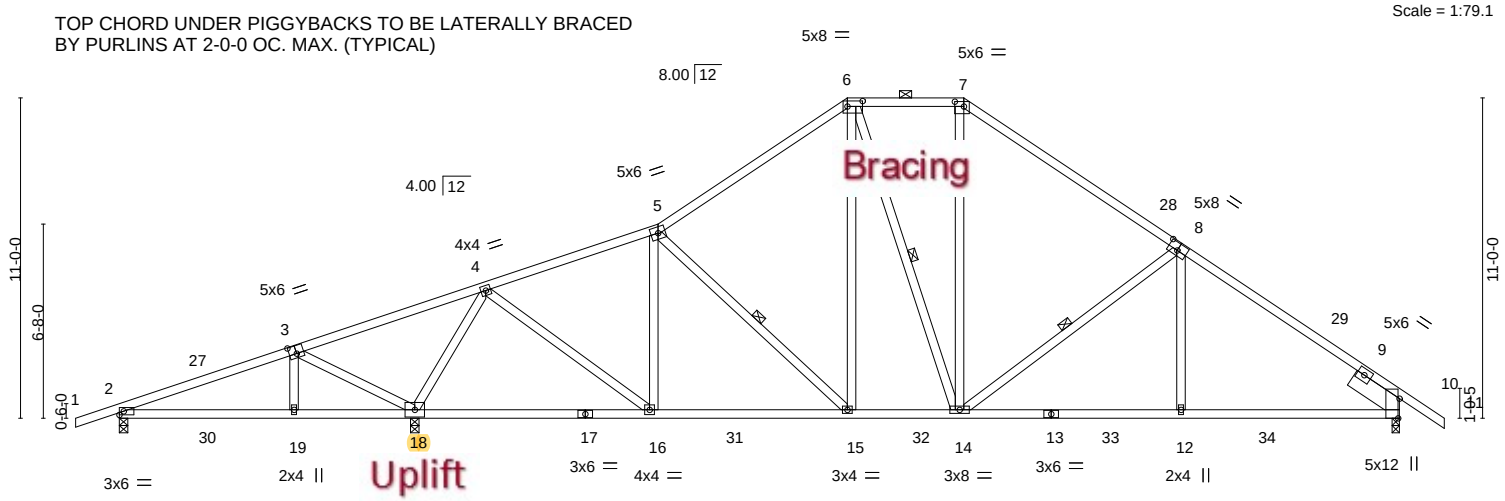
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536035
3981404	T03	Piggyback Base	5	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:33 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-o3WraMumP1HQssl3OZfeEYbf9Gh4MxpR17s5VmzRUba

1-6-0	6-0-0	12-7-0	18-6-0	25-0-0	29-0-0	36-5-8	43-11-8	45-6-0
1-6-0	6-0-0	6-7-0	5-11-0	6-6-0	4-0-0	7-5-8	7-6-0	1-6-8

Scale = 1:79.1

TOP CHORD UNDER PIGGYBACKS TO BE LATERALLY BRACED BY PURLINS AT 2-0-0 OC. MAX. (TYPICAL)



6-0-0	10-1-12	18-6-0	25-0-0	29-0-0	36-5-8	43-11-8
6-0-0	4-1-12	8-4-4	6-6-0	4-0-0	7-5-8	7-6-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.83	Vert(LL)	-0.18	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.32	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.10	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 269 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except* 8-11: 2x4 SP No.1
BOT CHORD	2x4 SP No.2 *Except* 10-13: 2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except 2-0-0 oc purlins (5-7-6 max.): 6-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-15, 6-14, 8-14

REACTIONS. (size) 2=0-3-8, 18=0-3-8, 10=0-3-0
Max Horz 2=377(LC 11)
Max Uplift 2=-325(LC 8), 18=-760(LC 12), 10=-485(LC 13)
Max Grav 2=251(LC 25), 18=2155(LC 2), 10=1473(LC 20)

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

TOP CHORD	2-3=-78/448, 3-4=-320/846, 4-5=-1204/580, 5-6=-1245/713, 6-7=-1015/705, 7-8=-1307/704, 8-10=-1801/739
BOT CHORD	2-19=-436/174, 18-19=-437/174, 15-16=-315/1109, 14-15=-169/978, 12-14=-472/1397, 10-12=-471/1399
WEBS	3-18=-640/584, 4-18=-1863/798, 4-16=-413/1204, 5-16=-454/303, 6-15=-130/334, 7-14=-192/446, 8-14=-642/400, 8-12=0/356

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 2-10-12, Zone1 2-10-12 to 25-0-0, Zone3 25-0-0 to 29-0-0, Zone2 29-0-0 to 35-2-10, Zone1 35-2-10 to 45-6-0 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=325, 18=760, 10=485.
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:

April 15,2024

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536036
3981404	T03G	Piggyback Base Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:35 2024 Page 1
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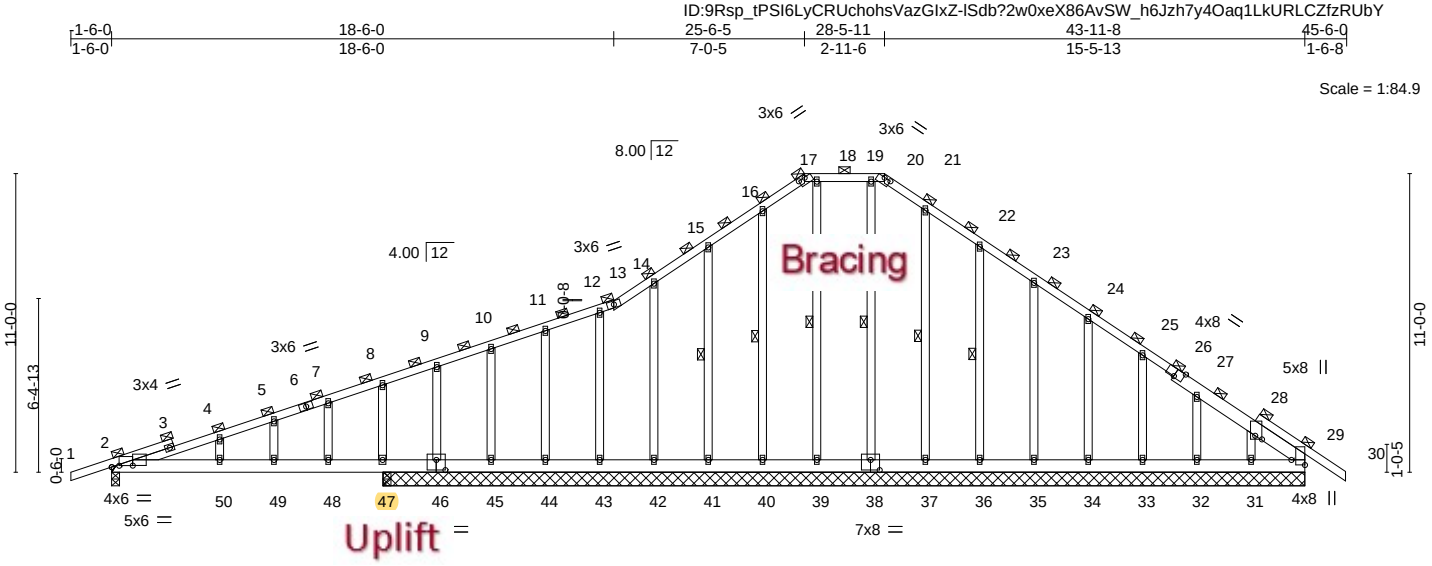

10-0-0 43-11-8
10-0-0 33-11-8

Plate Offsets (X,Y)-- [2:0-9-5,0-0-11], [2:0-3-5,0-0-10], [17:0-3-0,0-0-2], [20:0-3-0,0-0-2], [26:0-4-0,Edge], [28:0-1-9,0-3-0], [29:Edge,0-6-0], [38:0-4-0,0-4-8], [46:0-4-0,0-4-8]

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	0.37	Vert(LL)	0.22	49-50	>530	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.20	49-50	>599	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.01	29	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 350 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
26-29: 2x6 SP No.2
BOT CHORD 2x6 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 6-0-0 oc bracing.
WEBS 1 Row at midpt 15-41, 16-40, 18-39, 19-38, 21-37, 22-36

REACTIONS. All bearings 33-11-8 except (jt=length) 2=0-3-8.
(lb) - Max Horz 47=379(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 43, 44, 40, 39, 38, 37, 29 except 2=-290(LC 8), 41=-123(LC 12), 42=-104(LC 12), 45=-199(LC 8), 46=-411(LC 1), 47=-772(LC 8), 36=-124(LC 13), 35=-110(LC 13), 34=-112(LC 13), 33=-113(LC 13), 32=-101(LC 13), 31=-160(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 41, 42, 43, 44, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 29 except 2=375(LC 1), 45=291(LC 1), 46=388(LC 8), 47=949(LC 1), 47=949(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-399/109, 4-5=-336/90, 5-7=-299/85, 7-8=-255/92, 15-16=-79/325, 16-17=-102/414, 17-18=-90/393, 18-19=-90/393, 19-20=-90/394, 20-21=-102/414, 21-22=-80/328, 27-28=-301/148, 28-29=-449/190
BOT CHORD 2-50=-113/464, 49-50=-113/464, 48-49=-113/464, 47-48=-113/464, 46-47=-165/464, 45-46=-165/464, 44-45=-165/464, 43-44=-165/464, 42-43=-165/464, 41-42=-165/464, 40-41=-165/464, 39-40=-165/464, 38-39=-165/464, 37-38=-165/465, 36-37=-165/465, 35-36=-165/465, 34-35=-165/465, 33-34=-165/465, 32-33=-165/465, 31-32=-165/465, 29-31=-158/449
WEBS 8-47=-255/366, 28-31=-133/266

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; end vertical left and 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.

Continued on page 2

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Date:

April 15,2024

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NOTES-

10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 43, 44, 40, 39, 38, 37, 29 except (jt=lb) 2=290, 41=123, 42=104, 45=199, 46=411, 47=772, 36=124, 35=110, 34=112, 33=113, 32=101, 31=160.
11) 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	BLAKE CONST. - NASH RES. T33536037
3981404	T04	Piggyback Base	5	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:35 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-lSdb?2w0xeX86AvSW_h6Jzh0I4JRqyrkURLCZfzRUbY

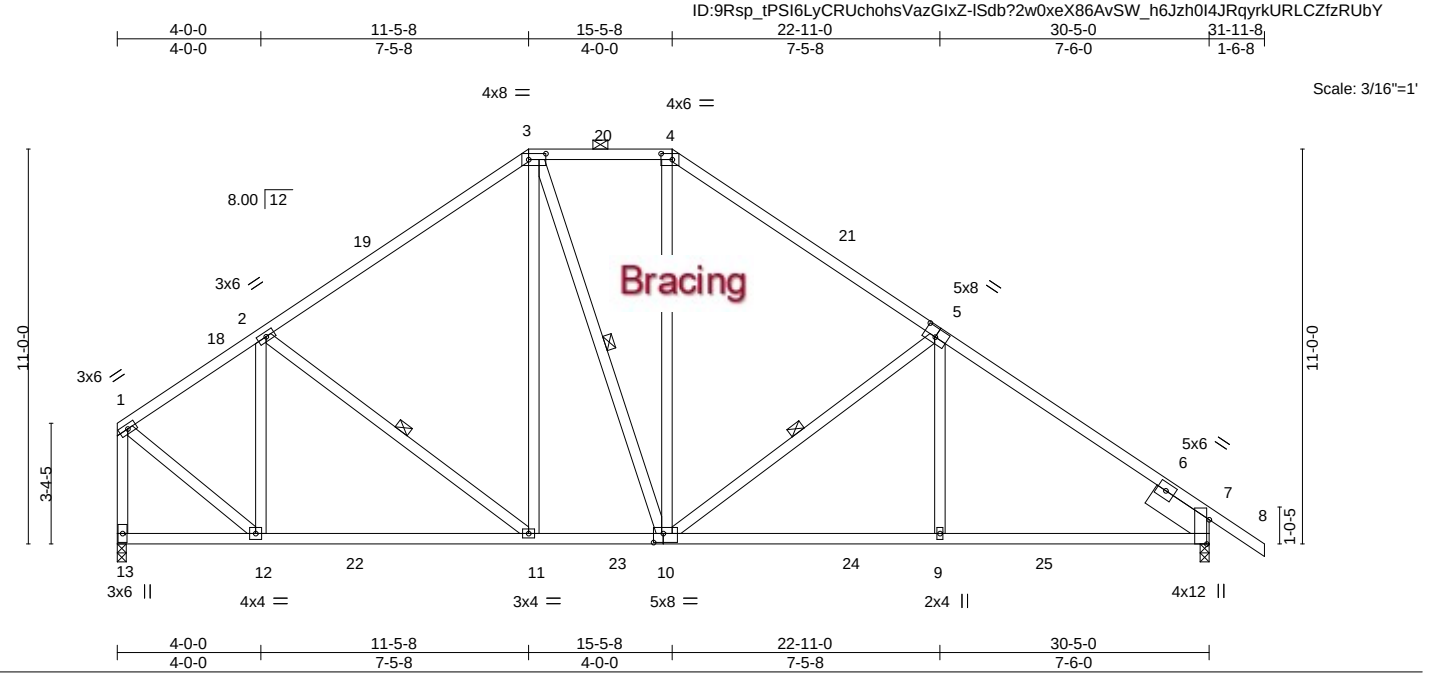

Plate Offsets (X,Y)-- [3:0-5-12,0-2-0], [4:0-3-12,0-2-0], [5:0-4-0,0-3-0], [7:0-8-2,Edge], [10:0-3-4,0-3-0]

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	0.79	Vert(LL)	-0.17	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.95	Vert(CT)	-0.31	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.10	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 210 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-5 max.): 3-4.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 2-11, 3-10, 5-10

REACTIONS. (size) 13=0-3-0, 7=0-3-0
Max Horz 13=-397(LC 10)
Max Uplift 13=-390(LC 12), 7=-470(LC 13)
Max Grav 13=1265(LC 2), 7=1396(LC 20)

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

TOP CHORD	1-2=-995/361, 2-3=-1136/464, 3-4=-921/487, 4-5=-1192/489, 5-7=-1682/551, 1-13=-1240/411
BOT CHORD	12-13=-307/354, 11-12=-292/1031, 10-11=-173/960, 9-10=-282/1315, 7-9=-281/1317
WEBS	2-12=-445/260, 3-11=-74/270, 3-10=-184/300, 4-10=-143/433, 5-10=-660/403, 5-9=0/367, 1-12=-338/1050

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 11-5-8, Zone3 11-5-8 to 15-5-8, Zone2 15-5-8 to 19-8-7, Zone1 19-8-7 to 31-11-8 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) 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) 13=390, 7=470.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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:

April 15,2024

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536038
3981404	T04G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:36 2024 Page 1
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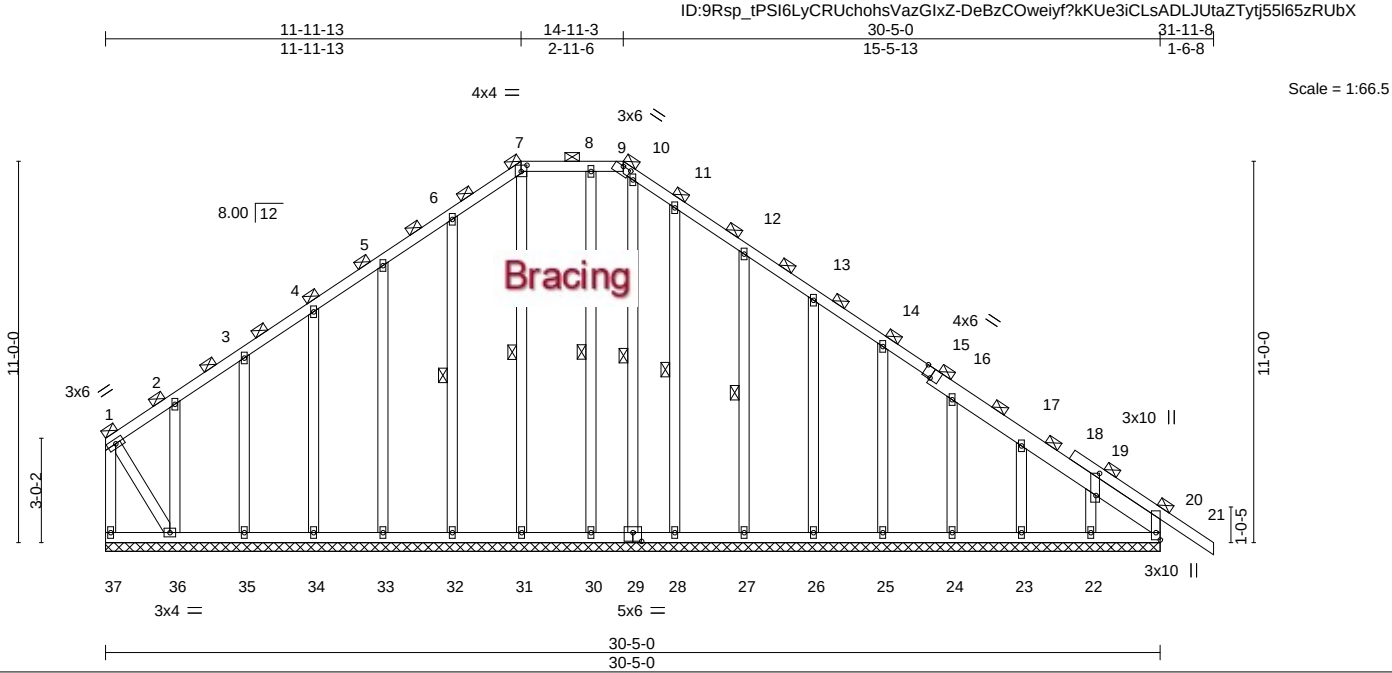

Plate Offsets (X,Y)-- [7:0-2-0,0-2-3], [9:0-3-0,0-0-2], [15:0-3-0,Edge], [19:0-7-11,0-1-4], [20:Edge,0-1-8], [29:0-3-0,0-3-0]

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	0.14	Vert(LL)	-0.01	21	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	-0.01	21	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 272 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	15-20: 2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3

BRACING-

TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	1 Row at midpt 10-29, 12-27, 11-28, 6-32, 7-31, 8-30

REACTIONS. All bearings 30-5-0.
(lb) - Max Horz 37=-330(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 23, 28, 31, 30, 20 except 37=-275(LC 10), 22=-158(LC 13), 24=-122(LC 13), 25=-111(LC 13), 26=-111(LC 13), 27=-120(LC 13), 36=-342(LC 12), 35=-113(LC 12), 34=-111(LC 12), 33=-115(LC 12), 32=-112(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 29, 22, 23, 24, 25, 26, 27, 28, 35, 34, 33, 32, 31, 30, 20 except 37=316(LC 9), 36=347(LC 10)

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

TOP CHORD	1-37=-309/288, 5-6=-157/257, 6-7=-200/330, 7-8=-177/302, 8-9=-177/302, 9-10=-170/283, 10-11=-201/342, 11-12=-170/285, 19-20=-274/185
BOT CHORD	36-37=-297/329, 35-36=-162/273, 34-35=-162/273, 33-34=-162/273, 32-33=-162/273, 31-32=-162/273, 30-31=-162/273, 29-30=-162/273, 28-29=-162/273, 27-28=-162/273, 26-27=-162/273, 25-26=-162/273, 24-25=-162/273, 23-24=-162/273, 22-23=-162/273, 20-22=-155/263
WEBS	1-36=-265/277

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 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) 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 requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * 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.

Continued on page 2

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Date:

April 15,2024

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NOTES-

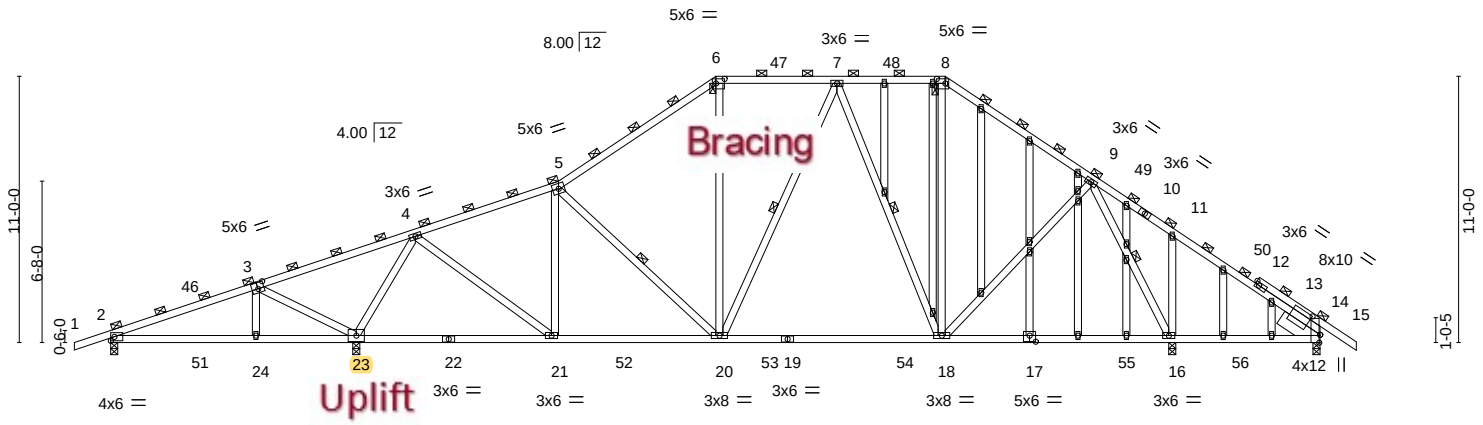
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23, 28, 31, 30, 20 except (jt=lb) 37=275, 22=158, 24=122, 25=111, 26=111, 27=120, 36=342, 35=113, 34=111, 33=115, 32=112.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536039
3981404	T06G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:38 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-91Jkd4yvDZvjzde0B7FpxbJZ1HNy1CBAAPasA_zRUbV

1-6-0	6-0-0	12-7-0	18-6-0	25-0-0	30-0-0	34-5-11	40-6-0	43-10-4	49-11-8	51-6-0
1-6-0	6-0-0	6-7-0	5-11-0	6-6-0	5-0-0	4-5-11	6-0-5	3-4-4	6-1-4	1-6-8

Scale: 1/8"=1'



6-0-0	10-1-12	18-6-0	25-0-0	34-5-11	43-8-8	43-10-4	49-11-8
6-0-0	4-1-12	8-4-4	6-6-0	9-5-11	9-2-13	0-1-12	6-1-4

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4], [14:0-3-15,Edge], [14:0-8-3,0-5-8], [17:0-3-0,0-3-0]

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	0.70	Vert(LL)	-0.23	18-20	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.36	18-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.04	16	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 386 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 17-19: 2x4 SP No.1
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-9-2

BRACING-

TOP CHORD	2-0-0 oc purlins (3-11-11 max.).
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 5-20, 7-20, 7-18, 9-16

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=389(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-313(LC 8), 23=-740(LC 12), 14=-175(LC 13), 16=-442(LC 13)
Max Grav All reactions 250 lb or less at joint(s) except 2=290(LC 25), 23=2030(LC 2), 14=263(LC 26), 16=1784(LC 2)

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

TOP CHORD	2-3=-95/291, 3-4=-332/625, 4-5=-1265/575, 5-6=-1272/675, 6-7=-997/676, 7-8=-843/609, 8-9=-1087/628, 9-11=-69/306
BOT CHORD	2-24=-316/172, 23-24=-313/170, 21-23=-188/374, 20-21=-342/1166, 18-20=-278/977, 16-18=-161/493
WEBS	3-23=-617/602, 4-23=-1719/759, 4-21=-388/1084, 5-21=-411/286, 5-20=-252/242, 6-20=-150/422, 7-18=-399/270, 8-18=-144/365, 9-18=-174/576, 11-16=-261/269, 9-16=-1383/499

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 3-5-15, Zone1 3-5-15 to 25-0-0, Zone2 25-0-0 to 32-0-13, Zone1 32-0-13 to 34-5-11, Zone2 34-5-11 to 41-6-8, Zone1 41-6-8 to 51-5-8 zone; end vertical left and right exposed; 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 313 lb uplift at joint 2, 740 lb uplift at joint 23, 175 lb uplift at joint 14 and 442 lb uplift at joint 16.

Continued on page 2

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Date:

April 15,2024

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NOTES-

11) 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	BLAKE CONST. - NASH RES. T33536040
3981404	T07	Piggyback Base	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:38 2024 Page 1
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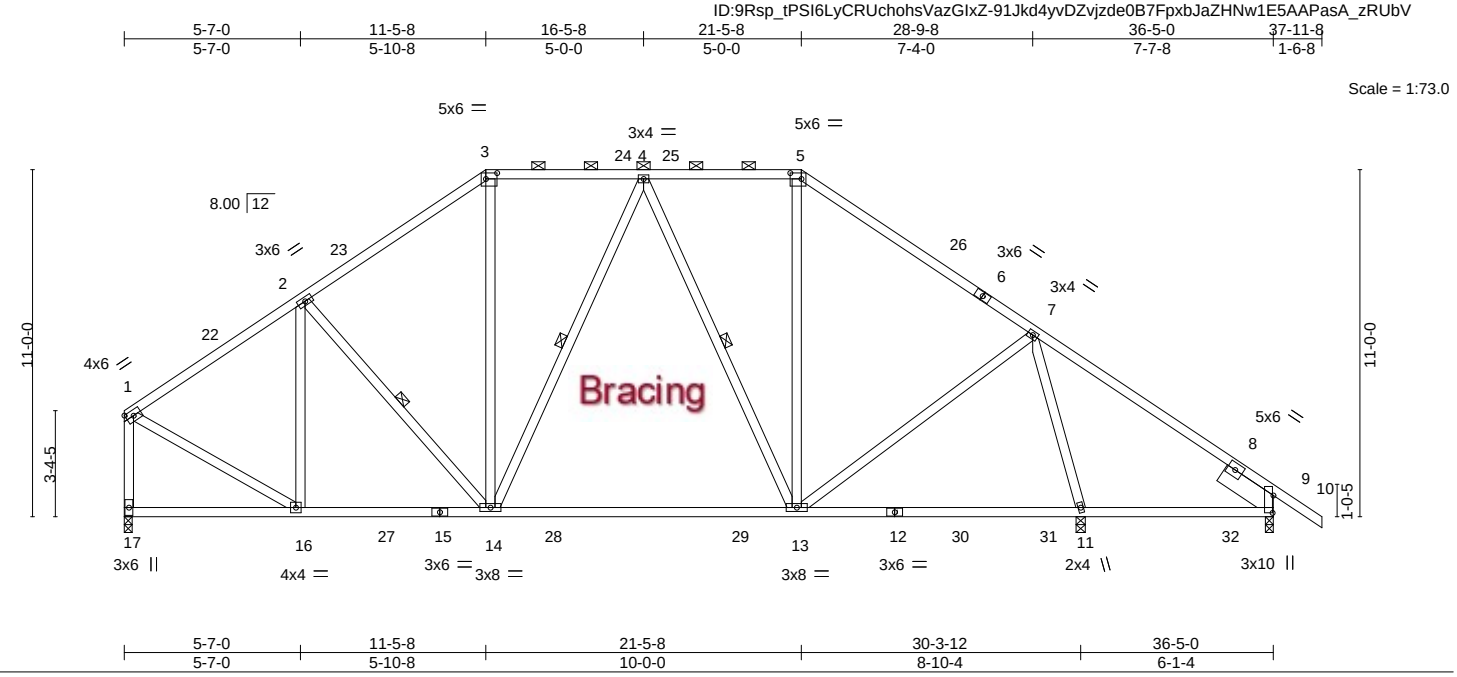

Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [5:0-4-4,0-2-4], [9:0-6-10,0-0-5]

LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plate Grip DOL 1.25	TC 0.60	Vert(LL) -0.30 13-14 >999 240	MT20 244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.77	Vert(CT) -0.45 13-14 >799 180	
BCLL 0.0	*	Rep Stress Incr YES	WB 0.75	Horz(CT) 0.03 11 n/a n/a	
BCDL 10.0		Code FBC2023/TPI2014	Matrix-MS		Weight: 248 lb FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 12-15: 2x4 SP No.1
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-9 oc purlins, except end verticals, and 2-0-0 oc purlins (5-11-14 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 9-11-12 oc bracing.
WEBS	1 Row at midpt 2-14, 4-14, 4-13

REACTIONS. (size) 17=0-3-0, 11=0-3-8, 9=0-3-0
Max Horz 17=-325(LC 8)
Max Uplift 17=-444(LC 12), 11=-212(LC 12), 9=-419(LC 13)
Max Grav 17=1295(LC 2), 11=1361(LC 2), 9=499(LC 26)

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

TOP CHORD	1-2=-1138/430, 2-3=-1175/548, 3-4=-915/510, 4-5=-853/557, 5-7=-1123/562, 7-9=-250/519, 1-17=-1205/465
BOT CHORD	16-17=-284/329, 14-16=-352/1026, 13-14=-289/935, 11-13=-324/509, 9-11=-293/263
WEBS	2-16=-343/192, 3-14=-170/397, 4-14=-207/284, 4-13=-312/270, 5-13=-133/344, 7-13=-187/580, 7-11=-1082/253, 1-16=-311/1009

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 11-5-8, Zone2 11-5-8 to 15-8-7, Zone1 15-8-7 to 21-5-8, Zone2 21-5-8 to 25-8-7, Zone1 25-8-7 to 37-11-8 zone; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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 444 lb uplift at joint 17, 212 lb uplift at joint 11 and 419 lb uplift at joint 9.
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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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	T08	Piggyback Base	3	1	T33536041
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:39 2024 Page 1
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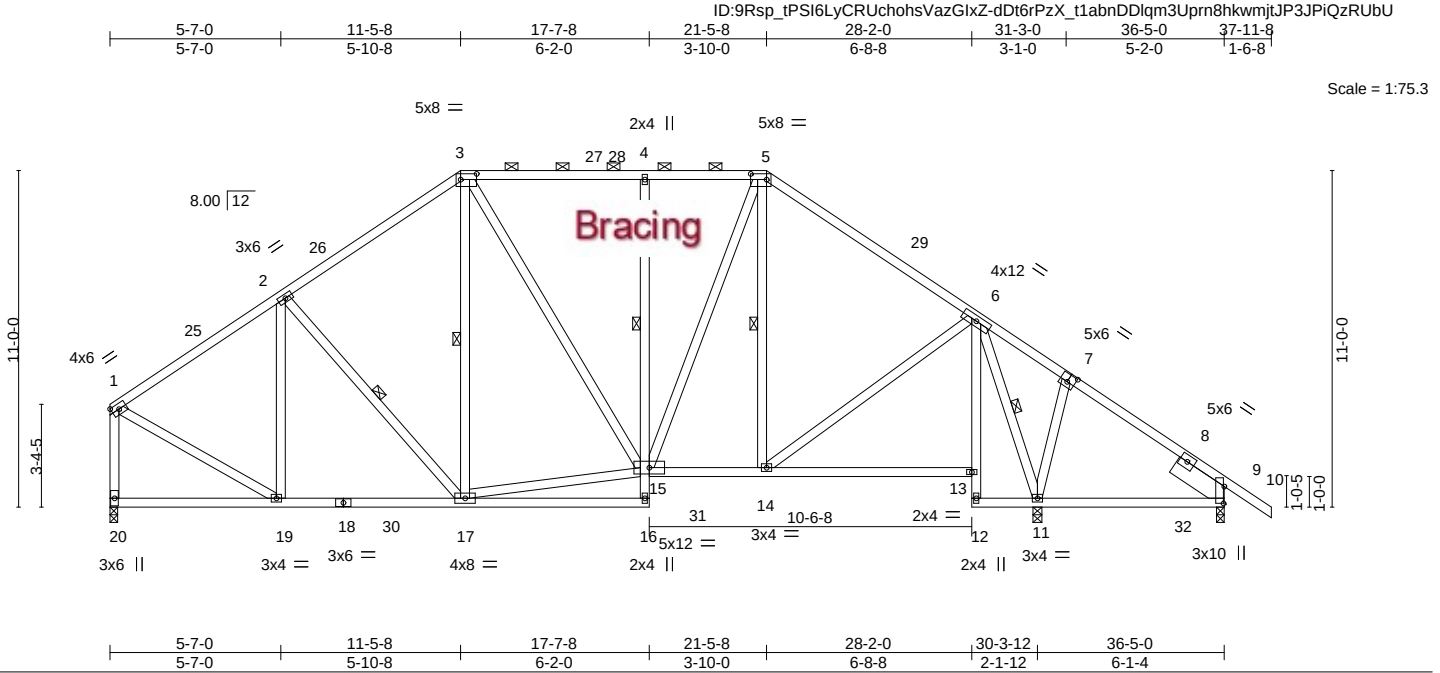


Plate Offsets (X,Y)-- [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [7:0-3-0,0-3-0], [9:0-6-10,0-0-5]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.48	Vert(LL)	-0.08	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25	BC	0.72	Vert(CT)	-0.17	13-14	>999	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.59	Horz(CT)	0.08	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014	Matrix-MS							Weight: 282 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-16,6-12: 2x4 SP No.3
WEBS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 5-4-8 oc purlins, except end verticals, and 2-0-0 oc purlins (5-10-1 max.): 3-5.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 12-13,9-11.
	1 Row at midpt 4-15
WEBS	1 Row at midpt 2-17, 3-17, 5-14, 6-11

REACTIONS. (size) 20=0-3-0, 9=0-3-0, 11=0-3-8
Max Horz 20=-325(LC 8)
Max Uplift 20=-421(LC 12), 9=-232(LC 13), 11=-396(LC 13)
Max Grav 20=1187(LC 2), 9=144(LC 26), 11=1732(LC 2)

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

TOP CHORD	1-2=-1040/396, 2-3=-1021/493, 3-4=-863/495, 4-5=-862/493, 5-6=-960/470, 6-7=-32/448, 7-9=-226/407, 1-20=-1106/433
BOT CHORD	19-20=-285/328, 17-19=-347/960, 4-15=-309/246, 14-15=-184/720
WEBS	2-19=-296/174, 3-17=-78/260, 15-17=-289/759, 5-15=-285/428, 6-14=-213/658, 6-11=-1384/284, 1-19=-271/918

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 11-5-8, Zone2 11-5-8 to 15-8-7, Zone1 15-8-7 to 21-5-8, Zone2 21-5-8 to 25-8-7, Zone1 25-8-7 to 37-11-8 zone; end vertical right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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 421 lb uplift at joint 20, 232 lb uplift at joint 9 and 396 lb uplift at joint 11.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. 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:

April 15,2024

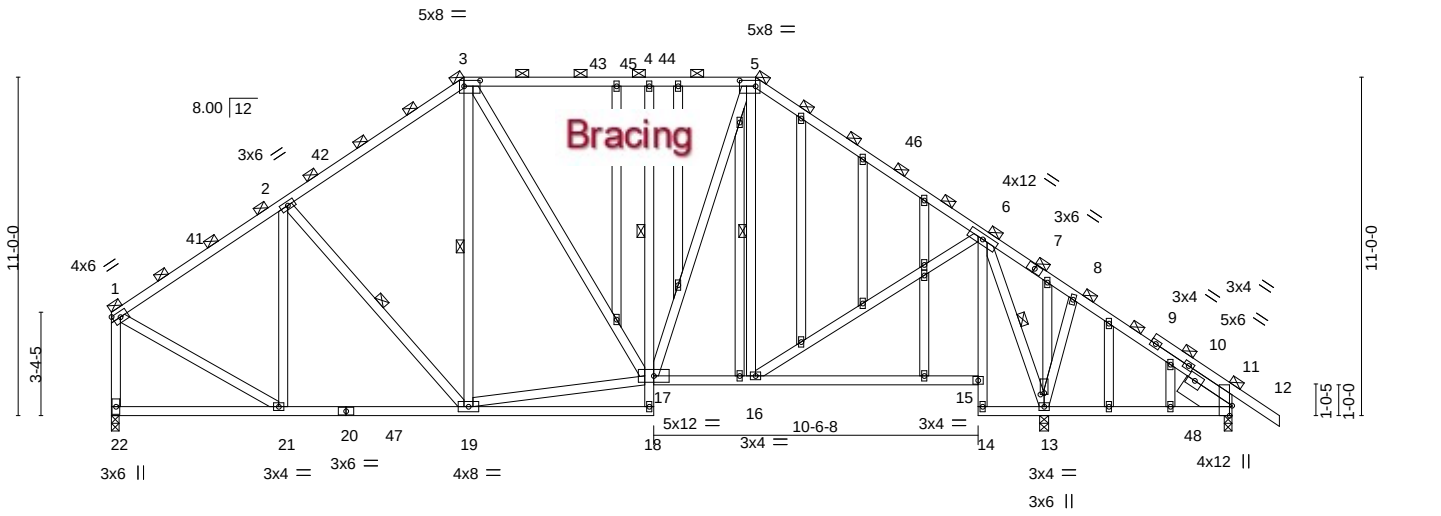
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536042
3981404	T08G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:40 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-5PRU2lz9lB9RCxoPIYHI00OwC57kVAITej3zFszRUbT

5-7-0	11-5-8	17-7-8	20-11-3	28-2-0	31-3-0	36-5-0	37-11-8
5-7-0	5-10-8	6-2-0	3-3-11	7-2-13	3-1-0	5-2-0	1-6-8

Scale = 1:74.9



5-7-0	11-5-8	17-7-8	20-11-3	28-2-0	30-3-12	36-5-0
5-7-0	5-10-8	6-2-0	3-3-11	7-2-13	2-1-12	6-1-4

Plate Offsets (X,Y)-- [3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [11:0-3-15,Edge], [13:0-0-9,0-1-8]

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	0.59	Vert(LL)	-0.09	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.19	15-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 358 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-18,6-14: 2x4 SP No.3
WEBS	2x4 SP No.3
OTHERS	2x4 SP No.3
SLIDER	Right 2x8 SP 2400F 2.0E 1-9-3

BRACING-

TOP CHORD	2-0-0 oc purlins (5-1-5 max.), except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing. Except: 1 Row at midpt 4-17
WEBS	1 Row at midpt 2-19, 3-19, 5-16, 6-13

REACTIONS. (size) 22=0-3-0, 11=0-3-0, 13=0-3-8
Max Horz 22=-323(LC 13)
Max Uplift 22=-412(LC 12), 11=-206(LC 17), 13=-460(LC 13)
Max Grav 22=1151(LC 2), 11=50(LC 11), 13=1855(LC 2)

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

TOP CHORD	1-2=-1007/387, 2-3=-976/481, 3-4=-798/464, 4-5=-796/462, 5-6=-918/439, 6-8=-57/617, 8-11=-78/569, 1-22=-1071/424
BOT CHORD	21-22=-296/321, 19-21=-353/931, 4-17=-295/240, 16-17=-191/681, 11-13=-412/70
WEBS	2-21=-285/167, 3-19=-83/276, 17-19=-293/711, 5-17=-289/412, 6-16=-220/704, 6-13=-1559/334, 1-21=-256/886

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 11-5-8, Zone2 11-5-8 to 15-8-7, Zone1 15-8-7 to 20-11-3, Zone2 20-11-3 to 25-2-2, Zone1 25-2-2 to 37-11-8 zone; end vertical right exposed; porch 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) 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 412 lb uplift at joint 22, 206 lb uplift at joint 11 and 460 lb uplift at joint 13.
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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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 15,2024

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16023 Swingley Ridge Rd.
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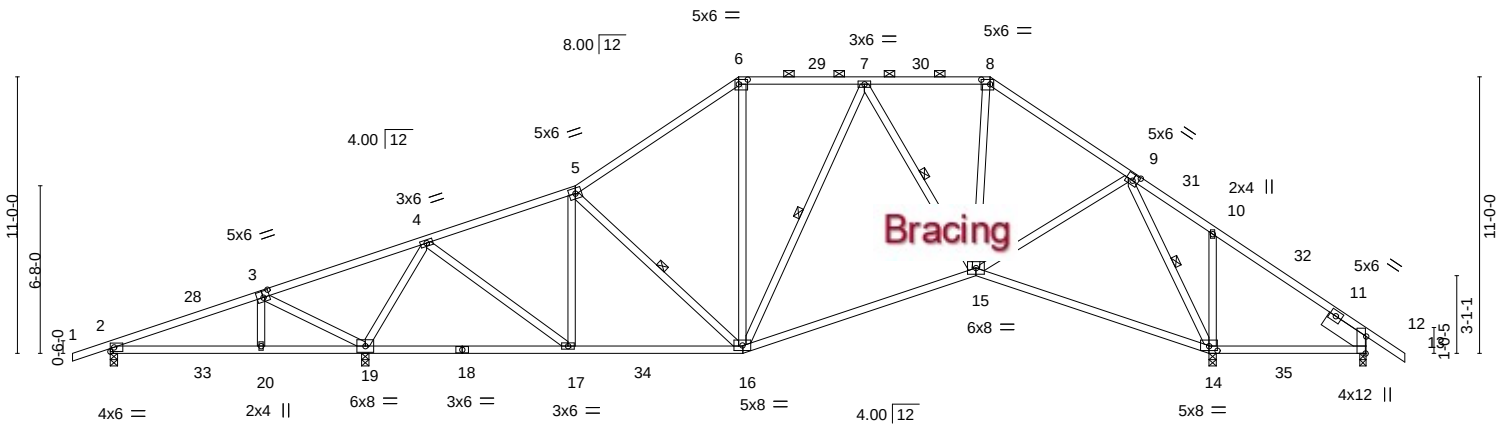
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES. T33536043
3981404	T10	Piggyback Base	10	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:41 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-Zc?sG5_nWUHIq5NbsFoXZEx4xVO?EZ0csNoWnJzRUbS

1-6-0	6-0-0	12-7-0	18-6-0	25-0-0	30-0-0	35-0-0	40-6-0	43-8-8	49-11-8	51-6-0
1-6-0	6-0-0	6-7-0	5-11-0	6-6-0	5-0-0	5-0-0	5-6-0	3-2-8	6-3-0	1-6-8

Scale = 1:91.7



6-0-0	10-1-12	18-6-0	25-2-0	34-5-4	43-8-8	43-10-4	49-11-8
6-0-0	4-1-12	8-4-4	6-8-0	9-3-4	9-3-4	0-1-12	6-1-4

Plate Offsets (X,Y)-- [3:0-3-0,0-3-0], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-2-12,0-3-0], [12:0-8-2,Edge], [14:0-4-0,0-2-3]

LOADING (psf)		SPACING- 2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL 1.25	TC	0.65	Vert(LL)	0.09	14-26	>824	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25	BC	0.88	Vert(CT)	-0.56	15-16	>725	180		
BCLL	0.0 *	Rep Stress Incr YES	WB	0.87	Horz(CT)	0.07	14	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014	Matrix-MS							Weight: 303 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
SLIDER Right 2x8 SP 2400F 2.0E 1-11-8

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-11-6 oc purlins, except
2-0-0 oc purlins (5-5-5 max.): 6-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-16, 7-16, 7-15, 9-14

REACTIONS. All bearings 0-3-8 except (jt=length) 12=0-3-0.
(lb) - Max Horz 2=377(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-309(LC 8), 14=-266(LC 12), 12=-339(LC 13), 19=-759(LC 8)
Max Grav All reactions 250 lb or less at joint(s) except 2=281(LC 25), 14=1556(LC 2), 12=340(LC 26), 19=2016(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-68/274, 3-4=-331/647, 4-5=-1221/649, 5-6=-1210/767, 6-7=-946/753, 7-8=-1108/771, 8-9=-1363/833, 9-10=-182/769, 10-12=-177/616
BOT CHORD 2-20=-314/170, 19-20=-313/169, 17-19=-177/339, 16-17=-339/1124, 15-16=-354/1185, 14-15=-352/615
WEBS 3-19=-623/603, 4-19=-1707/824, 4-17=-442/1074, 5-17=-420/319, 5-16=-268/237, 6-16=-177/388, 7-16=-428/239, 8-15=-251/492, 9-15=-220/730, 9-14=-1323/366, 10-14=-283/262

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 3-5-15, Zone1 3-5-15 to 25-0-0, Zone2 25-0-0 to 32-0-13, Zone1 32-0-13 to 35-0-0, Zone2 35-0-0 to 42-0-13, Zone1 42-0-13 to 51-6-0 zone; end vertical right exposed; 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) 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 309 lb uplift at joint 2, 266 lb uplift at joint 14, 339 lb uplift at joint 12 and 759 lb uplift at joint 19.
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:

April 15,2024

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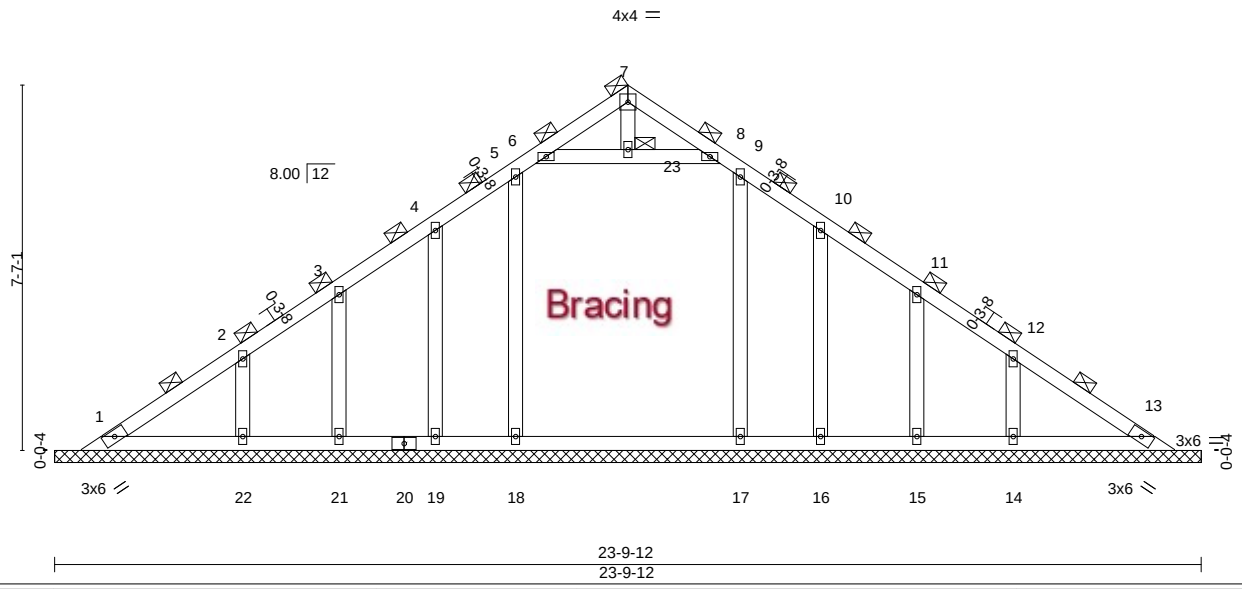
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	V01	GABLE	1	1	T33536044
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:42 2024 Page 1
ID:9Rsp_tPSI6LyCRUchohsVazGIxZ-2oYETR?PHoP9SFxoQyJm6RTOSutvzC5m51Y3JlzRUbR

11-10-14 23-9-12
11-10-14 11-10-14

Scale: 1/4"=1'



23-9-12
23-9-12

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	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.19	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.11	Horz(CT)	0.00	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 123 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	2-0-0 oc purlins (6-0-0 max.).
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS	1 Brace at Jt(s): 7, 23

REACTIONS. All bearings 23-9-12.
(lb) - Max Horz 1=227(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 18, 21, 17, 15 except 19=-113(LC 12), 22=-167(LC 12), 16=-117(LC 13), 14=-167(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 19, 21, 16, 15 except 18=374(LC 19), 22=289(LC 19), 17=335(LC 20), 14=289(LC 20)

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

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.

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 1-0-1 to 3-10-14, Zone1 3-10-14 to 11-10-14, Zone2 11-10-14 to 15-10-14, Zone1 15-10-14 to 22-9-11 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 18, 21, 17, 15 except (jt=lb) 19=113, 22=167, 16=117, 14=167.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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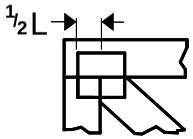
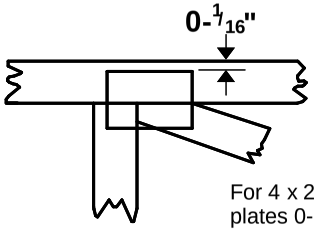
Symbols

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.

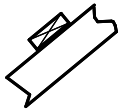
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

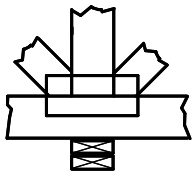
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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

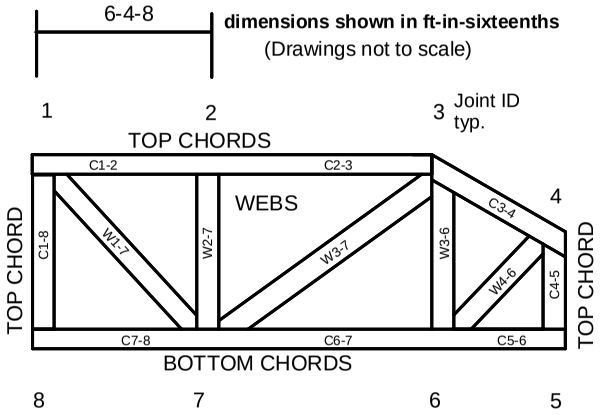


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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.