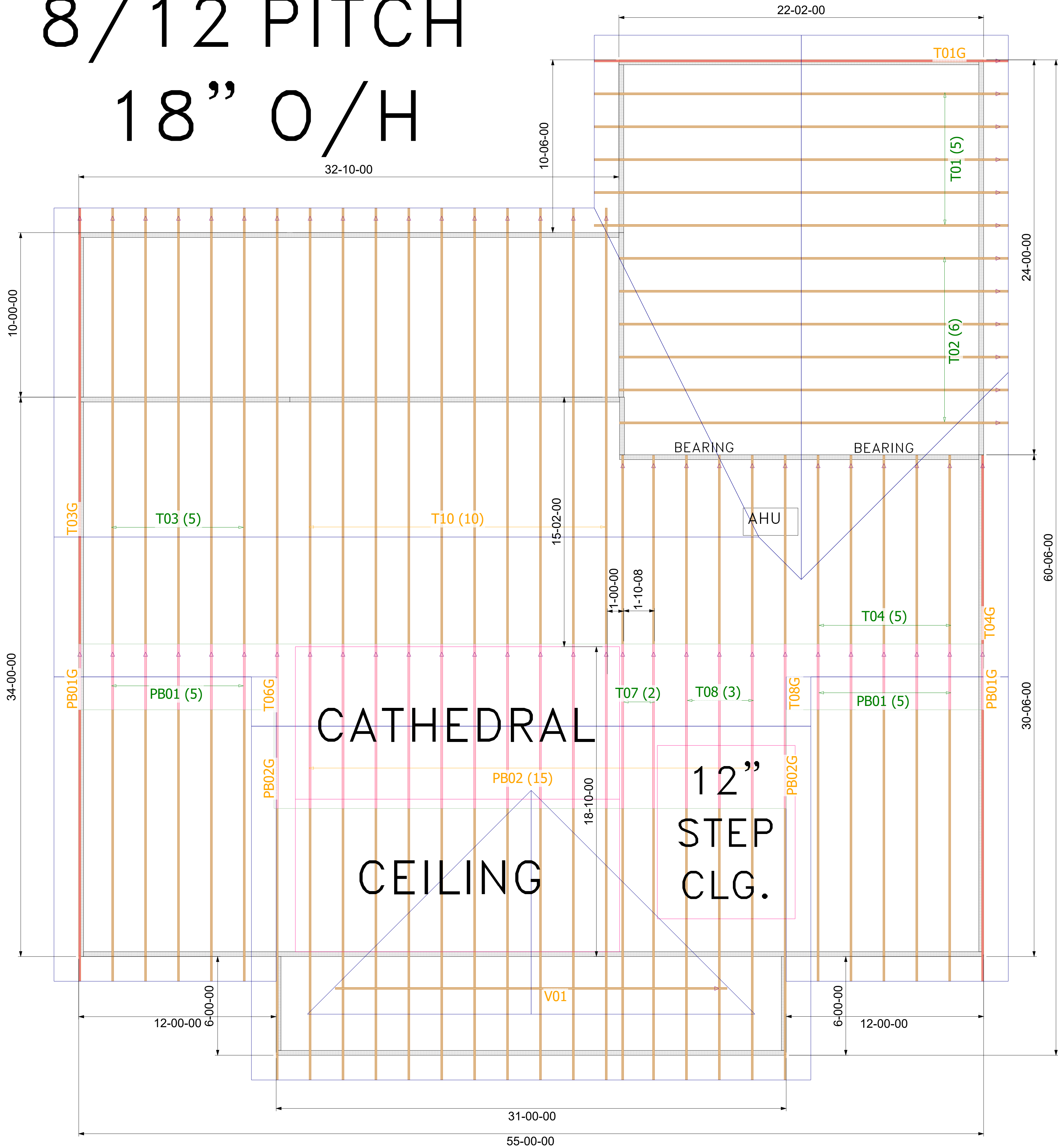
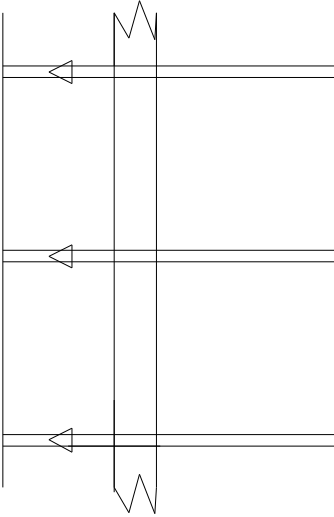


8/12 PITCH
18" O/H



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 corrosive 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.



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: 4-12-24	Drawn By: KLH	Original Ref #: 3981404
---------------	---------------	-------------------------

Floor 1 Job#: N/A	Floor 2 Job#: N/A	Roof Job #: 3981404
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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.

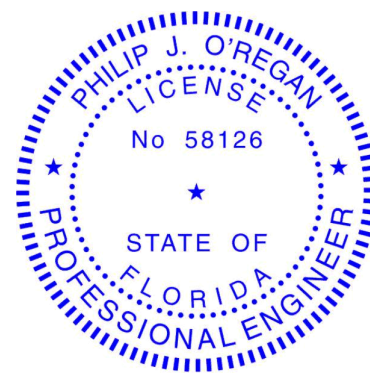
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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.

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:

April 15, 2024

ORegan, Philip

1 of 1

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
ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-wlGKk?rFLom?OFSi9kai4iRBSfTmQLcr6VutM?zRUbe

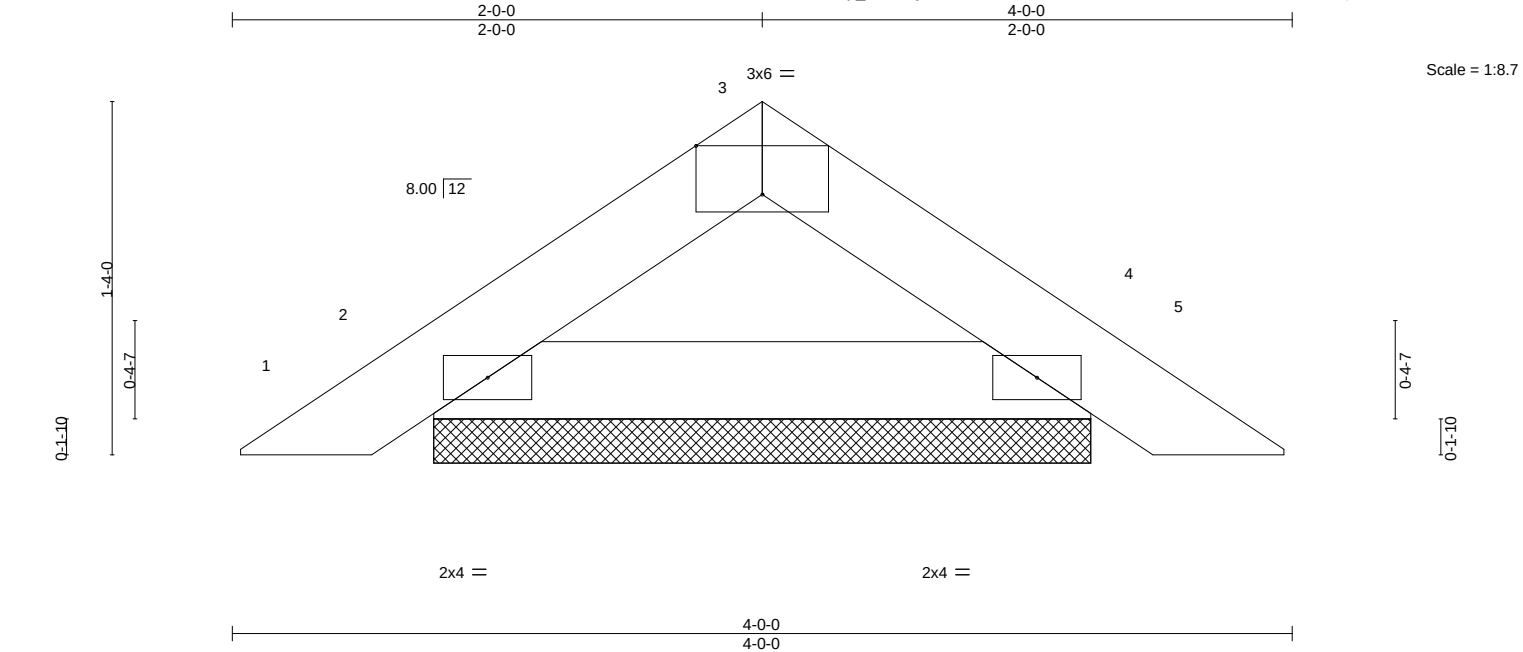


Plate Offsets (X,Y)--		[3:0-3-0,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.05
TCDL 7.0	Lumber DOL	1.25	BC 0.07
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-P
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.00 4 n/r 120
			Vert(CT) 0.00 4 n/r 120
			Horz(CT) 0.00 4 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 11 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.	T33536029
3981404	PB01G	PIGGYBACK	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 10:30:30 2024 Page 1
ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-OUqiyKsu66us?P1UjR5xcwzMP3qm9os?K9eRuRzRUbd

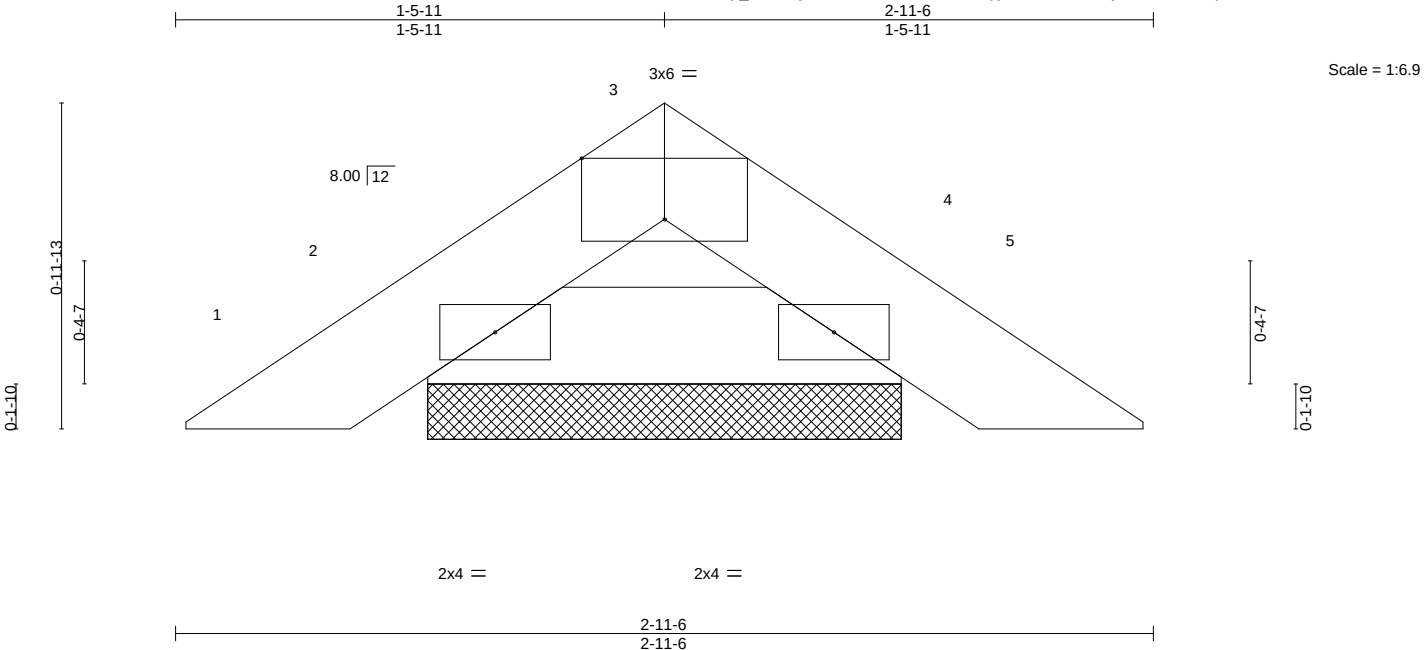


Plate Offsets (X,Y)--		[3:0-3-0,Edge]									
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.03	Vert(LL)	-0.00 4 n/r 120	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00 4 n/r 120				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00 4 n/a n/a				
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P				Weight: 7 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-11-6 oc purlins.
BOT CHORD	2x4 SP No.2	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.

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

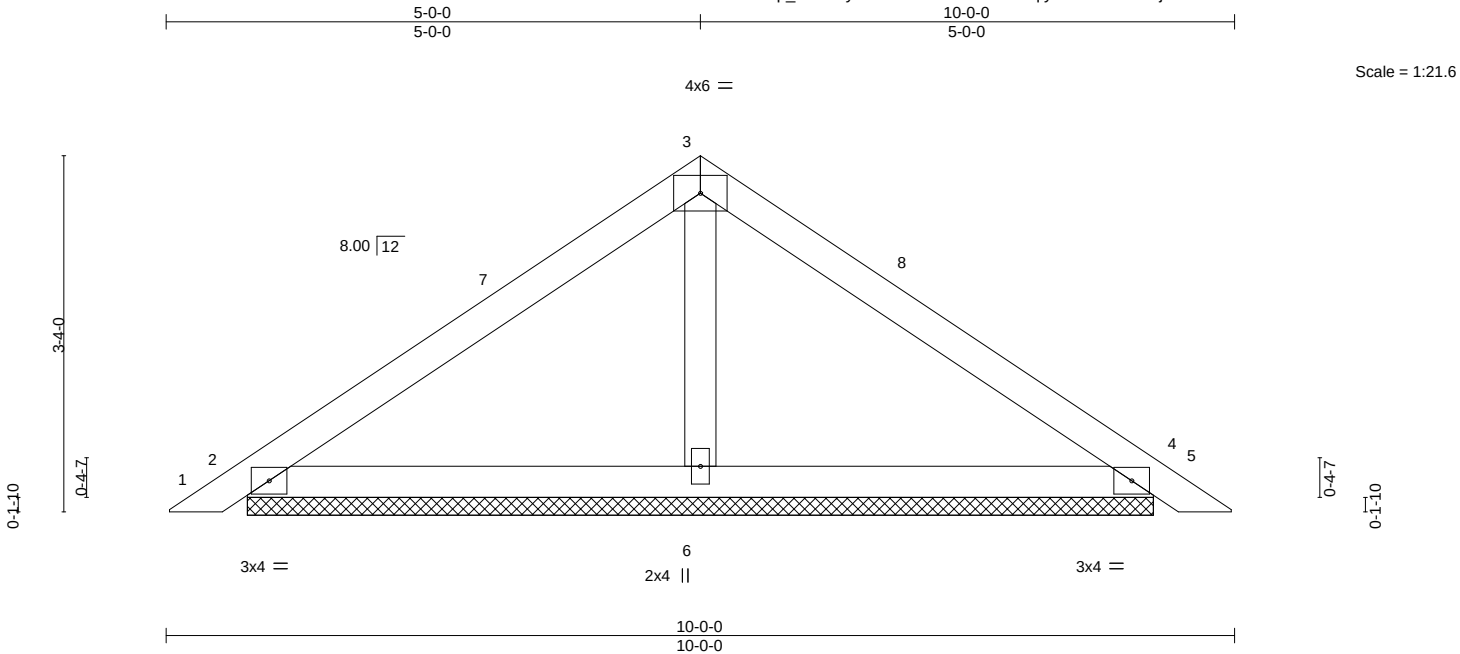
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria and DSB-22** available from Truss Plate Institute (www.tpinst.org) and **BCSI Building Component Safety Information** available from the Structural Building Component Association (www.sbcsccomponents.com)

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	PB02	Piggyback	15	1	T33536030
Builders FirstSource (Lake City,FL), Lake City, FL - 32055,					Job Reference (optional)

8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:30 2024 Page 1
ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-OUqiyKsu66us?P1UjR5xcwzIZ3oO9o3?K9eRuRzRUbd



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
TCDL 7.0	Lumber DOL	1.25	BC 0.17	Vert(CT)	0.01	5	n/r	120	244/190
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-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10'-0" oc bracing.
OTHERS	2x4 SP No.3		

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-**
- Unbalanced roof live loads have been considered for this design.
 - 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by O'Regan, 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

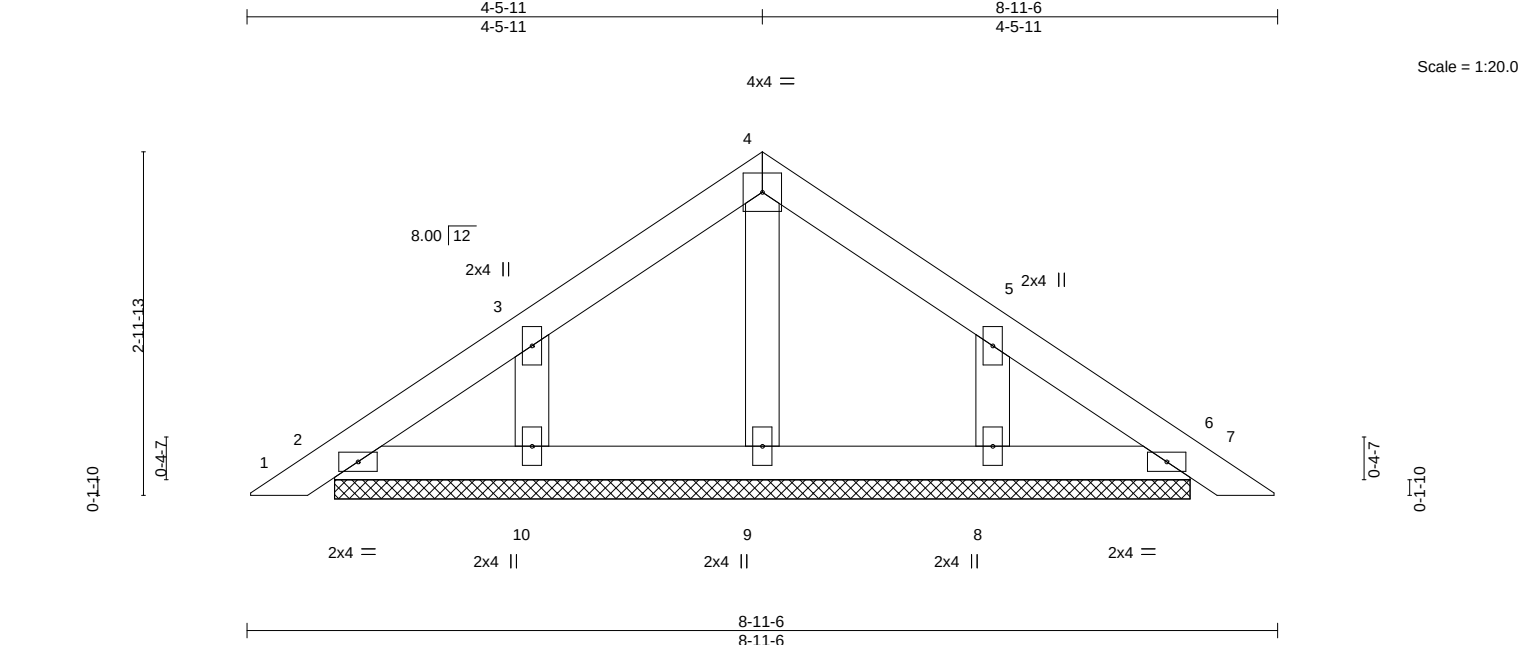
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Chesterfield, MO 63017
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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
ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-shO49gsWtQ0idZcgH9cA97WWNTAvuEw8ZpN_QuzRUbc



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
TCDL 7.0	Lumber DOL	1.25	BC 0.03	Vert(CT)	0.00	6	n/r	120	244/190
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-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS	2x4 SP No.3		

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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 10=122, 8=121.
 - 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 O'Regan, 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

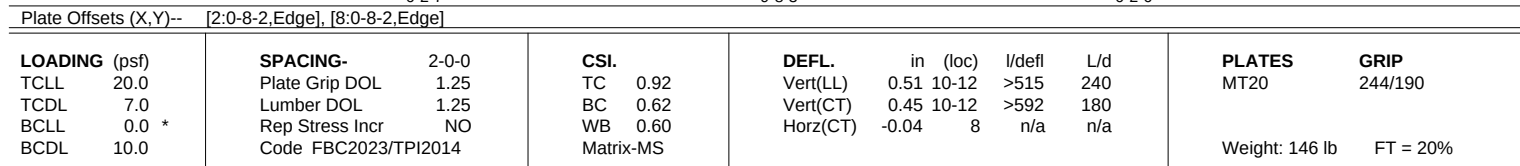
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Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:31 2024 Page 1
 ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-shO49gsWtQ0idZcgH9cA97WJHT1bu6p8ZpN_QuzRUbc

 4x6 || Scale = 1:51.6



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

- 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

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
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

April 15.2024



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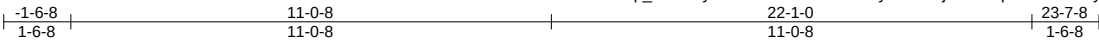
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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	T01G	Common Supported Gable	1	1	T33536033
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_tPSi6LyCRUchohsVazGlxZ-KtySN0t8ej8ZFIBtqs8PiL3fJsWydgtIoT7YzKzRUbb



Scale = 1:52.9

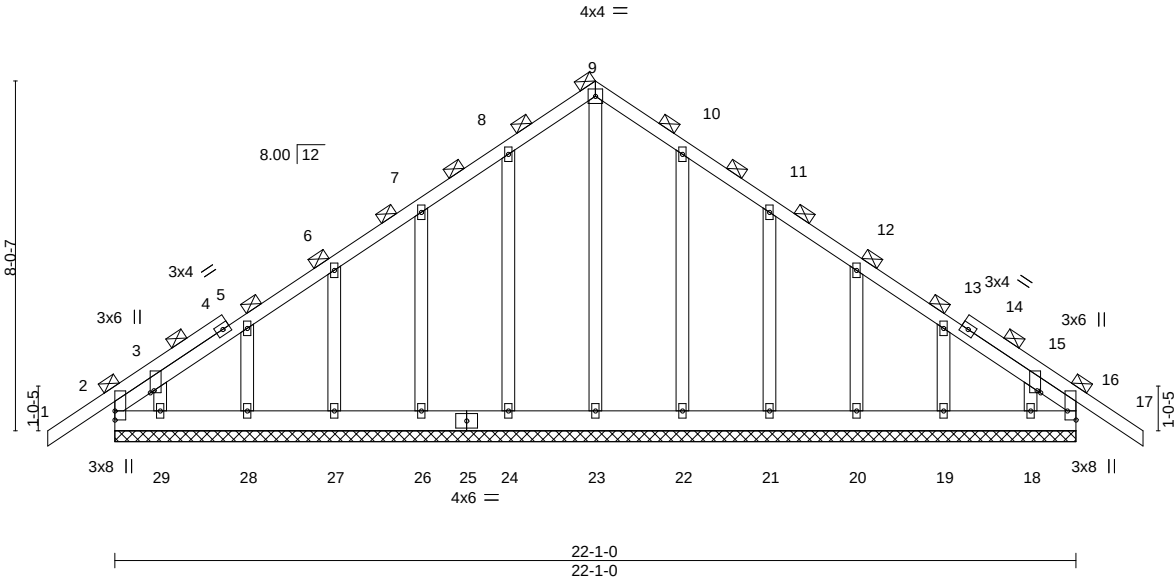


Plate Offsets (X,Y)--	[3:0-0-9,0-1-0], [15:0-0-9,0-1-0], [16:Edge,0-2-6]	
LOADING (psf)	SPACING-	2-0-0
TCLL 20.0	Plate Grip DOL	1.25
TCDL 7.0	Lumber DOL	1.25
BCLL 0.0 *	Rep Stress Incr	YES
BCDL 10.0	Code	FBC2023/TPI2014
	CSI.	
	TC	0.14
	BC	0.04
	WB	0.16
	Matrix-S	
	DEFL.	in (loc) l/defl L/d
	Vert(LL)	-0.01 17 n/r 120
	Vert(CT)	-0.01 17 n/r 120
	Horz(CT)	0.00 16 n/a n/a
	PLATES	GRIP
	MT20	244/190
	Weight: 166 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TC DL=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
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.
 - Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 16.
 - 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

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.	T33536034
3981404	T02	Common	6	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_tPSi6LyCRUchohsVazGlxZ-o3WraMumP1HQssl3OZfeEYbeoGj5M0HR17s5VmzRUba



Scale = 1:51.1

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-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=425, 2=478.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

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Philip J. O'Regan PE No.58126
MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

April 15,2024

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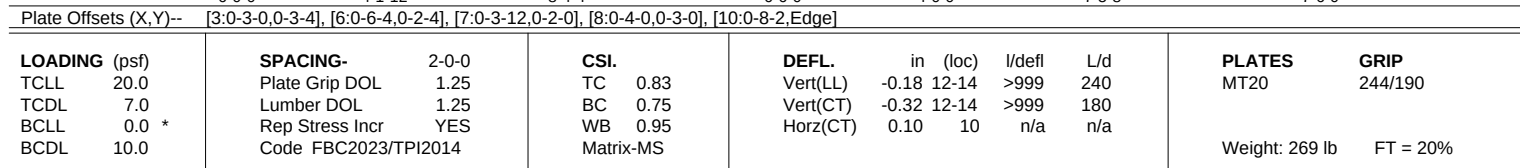
8.730 s Apr 3 2024 MiTek Industries, Inc. Fri Apr 12 10:30:33 2024 Page 1

ID: 9Rsp_tPSi6LyCRUchohsVazGlxZ-o3WraMumP1HQssi3OZfeYbf9Gh4MxpR17s5VmzRUba

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

FOR SHORE UNDER DISBURSING TO BE LATER MANAGER

Scale = 1:79.1



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; TCDFL=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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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	T03G	Piggyback Base Supported Gable	1	1	T33536036
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

1-6-0	18-6-0	25-6-5	28-5-11	43-11-8	45-6-0
1-6-0	18-6-0	7-0-5	2-11-6	15-5-13	1-6-8

Scale = 1:84.9

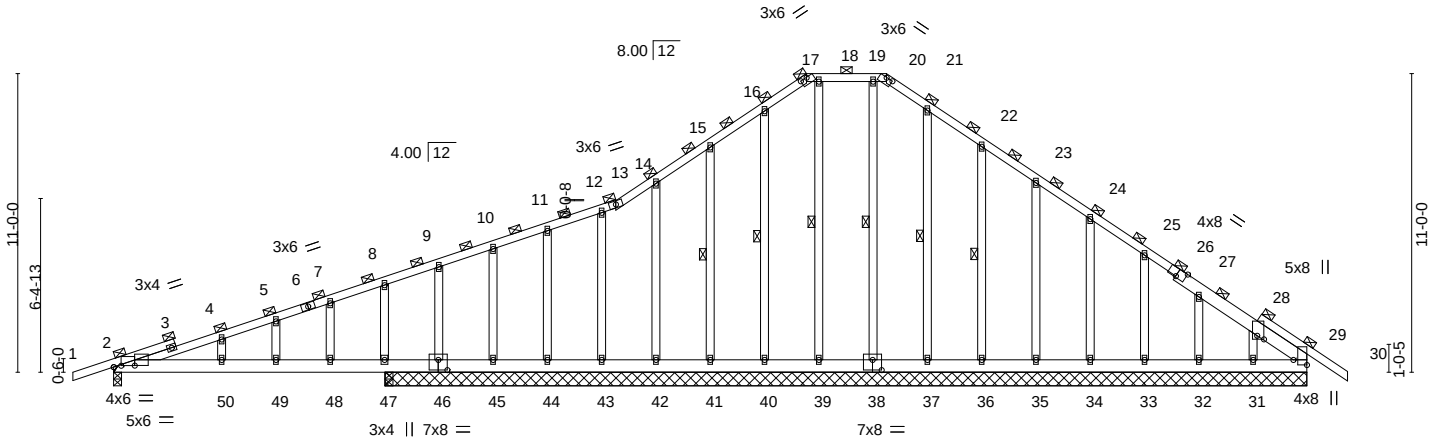


Plate Offsets (X,Y)--		[2:0-9-5,0-0-11], [2:0-3-5,0-0-10], [17:0-3-0,0-0-2], [20:0-3-0,0-0-2], [26:0-4-0,Edge], [28:0-1-9,0-3-0], [29:Edge,0-6-0], [38:0-4-0,0-4-8], [46:0-4-0,0-4-8]	
LOADING (psf)		SPACING- 2-0-0	
TCLL 20.0		Plate Grip DOL 1.25	
TCDL 7.0		Lumber DOL 1.25	
BCLL 0.0 *		Rep Stress Incr YES	
BCDL 10.0		Code FBC2023/TPI2014	
CSi.		DEFL.	
TC 0.37		in (loc) l/defl L/d	
BC 0.62		Vert(LL) 0.22 49-50 >530 240	
WB 0.11		Vert(CT) -0.20 49-50 >599 180	
Matrix-S		Horz(CT) 0.01 29 n/a n/a	
		PLATES GRIP	
		MT20 244/190	
		Weight: 350 lb FT = 20%	

LUMBER-		BRACING-	
TOP CHORD 2x4 SP No.2 *Except*		TOP CHORD 2-0-0 oc purlins (6-0-0 max.).	
26-29: 2x6 SP No.2		BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.	
BOT CHORD 2x6 SP No.2		WEBS 1 Row at midpt 15-41, 16-40, 18-39, 19-38, 21-37, 22-36	
OTHERS 2x4 SP No.3			

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; TC DL=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 with 16'-0" between the bottom chord and any other members.

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Date:

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

- 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.

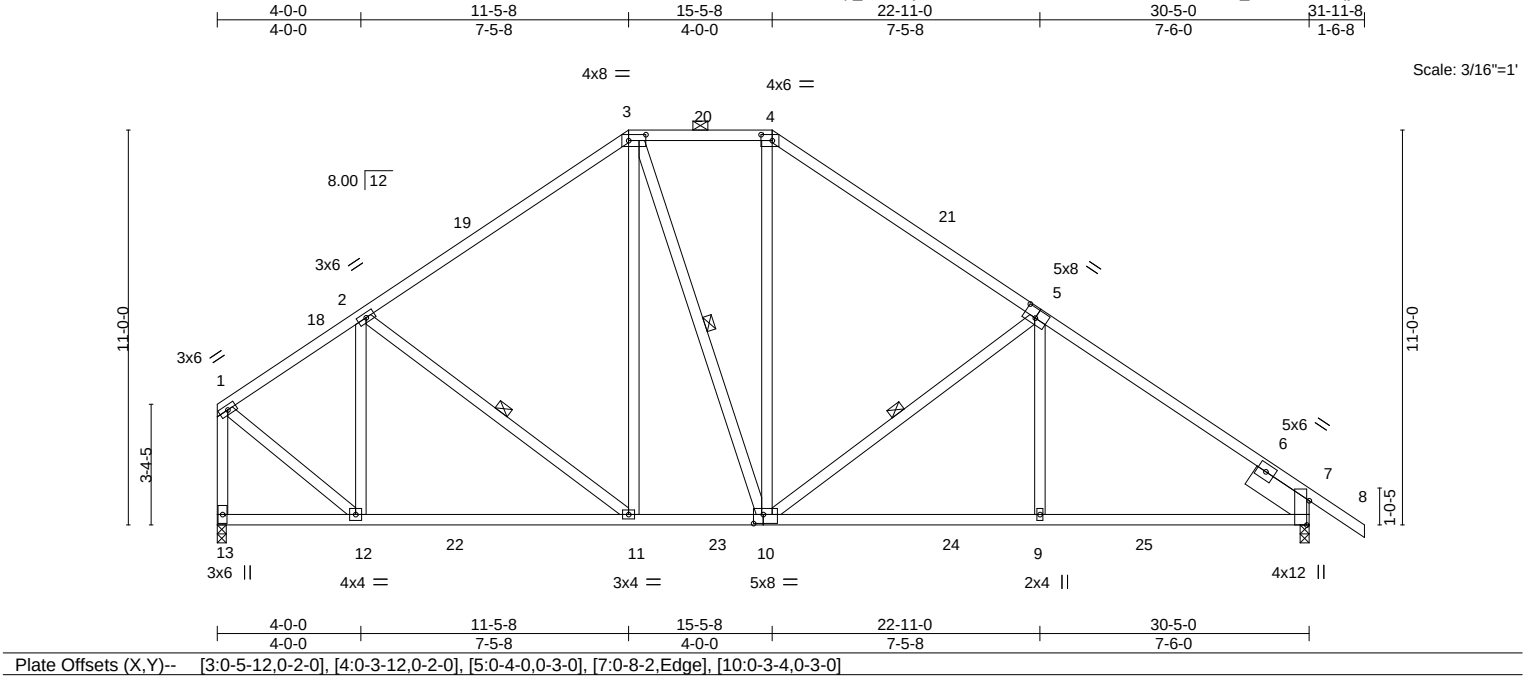
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.	T33536037
3981404	T04	Piggyback Base	5	1	Job Reference (optional)	

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_tPSi6LyCRUchohsVazGlxZ-ISdb?2w0xeX86AvSW_h6Jzh0I4JRqyrkURLCZfzRUBY



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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 13=390, 7=470.
- 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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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.
3981404	T04G	GABLE	1	1	T33536038
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
ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-DeBzCOWeiyf?kKUE3iCLsADLJUtaZTytj55i65zRUBX

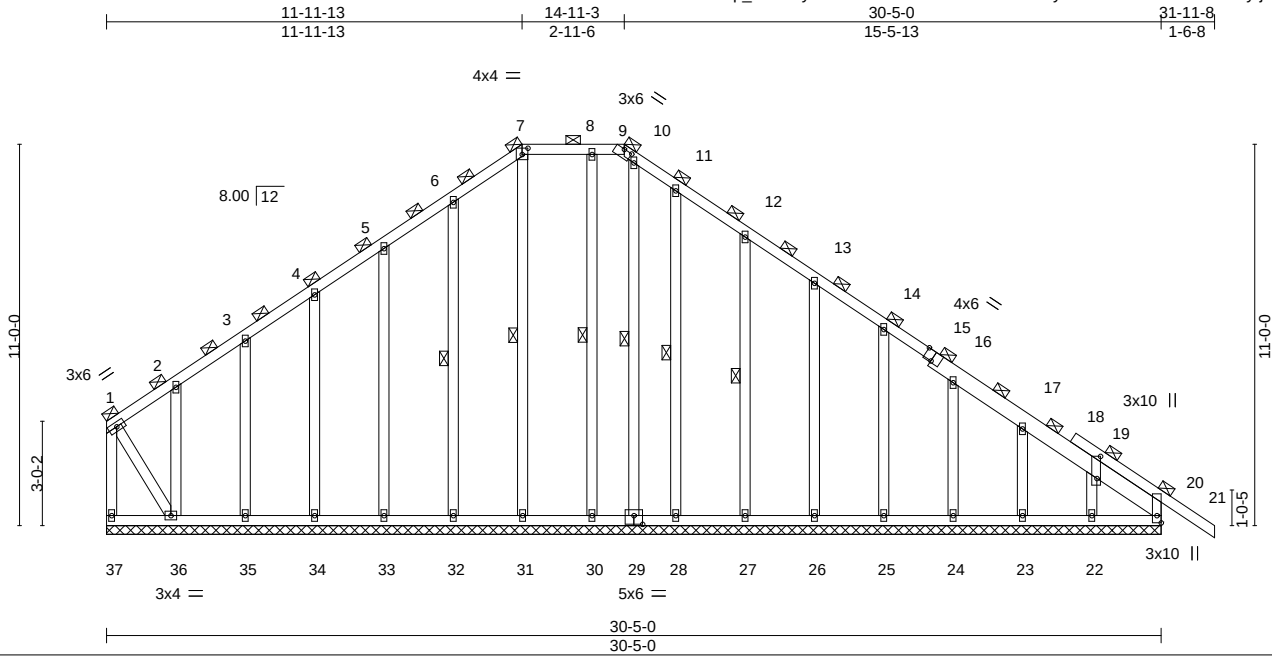


Plate Offsets (X,Y)-- [7:0-2-0,0-2-3], [9:0-3-0,0-0-2], [15:0-3-0,Edge], [19:0-7-11,0-1-4], [20:Edge,0-1-8], [29:0-3-0,0-3-0]												
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	-0.01	21	n/r	120	MT20	244/190
TCDL	7.0	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),
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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

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.

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Date:

April 15,2024

Continued on page 2

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

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

- 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.

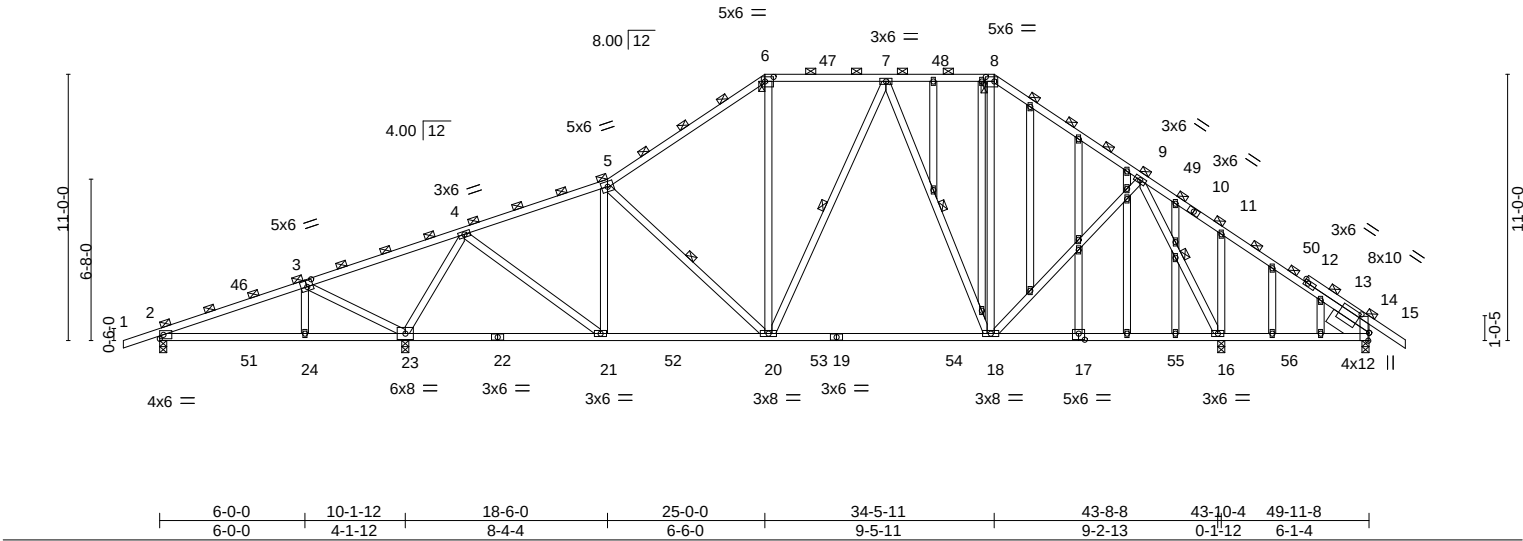
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.	T33536039
3981404	T06G	GABLE	1	1		

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_tPSi6LyCRUchohsVazGlxZ-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'



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-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (3-11-11 max.).
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
17-19: 2x4 SP No.1	WEBS 1 Row at midpt 5-20, 7-20, 7-18, 9-16
WEBS 2x4 SP No.3	
OTHERS 2x4 SP No.3	
SLIDER Right 2x8 SP 2400F 2.0E 1-9-2	

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 14, 23=740 lb uplift at joint 14 and 442 lb uplift at joint 16.

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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:

April 15,2024

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

NOTES-
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

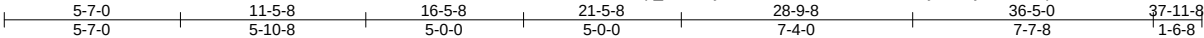
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Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.	T33536040
3981404	T07	Piggyback Base	2	1	Job Reference (optional)	

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
ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-91Jkd4yvDVzjde0B7FpXbJaZHNw1E5AAPasA_zRUBV



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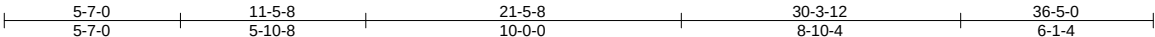
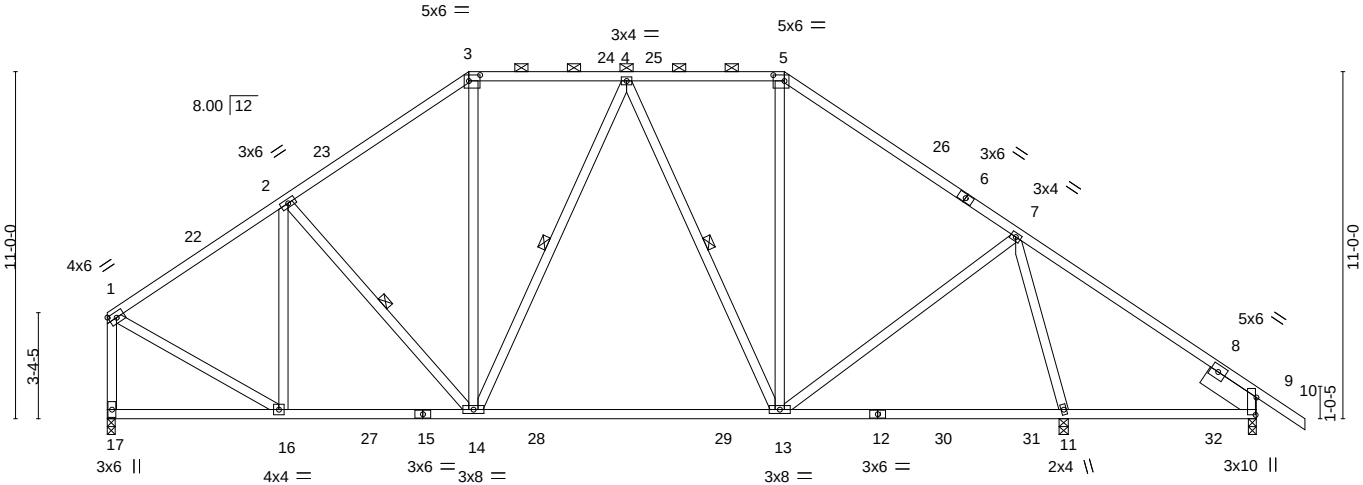


Plate Offsets (X,Y)-- [3:0-4-4,0-2-4], [5:0-4-4,0-2-4], [9:0-6-10,0-0-5]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES GRIP			
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.30 13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.77	Vert(CT)	-0.45 13-14	>799	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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 17, 212 lb uplift at joint 11 and 419 lb uplift at joint 9.
- 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 O'Regan, 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.

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April 15,2024

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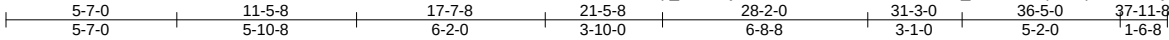
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.	T33536041
3981404	T08	Piggyback Base	3	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 10:30:39 2024 Page 1

ID:9Rsp_tPSi6LyCRUchohsVazGlxZ-dDt6rPzX_t1abnDDLqm3Upn8hkwmtJP3JPiQzRUbU



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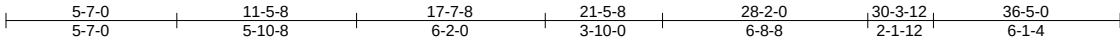
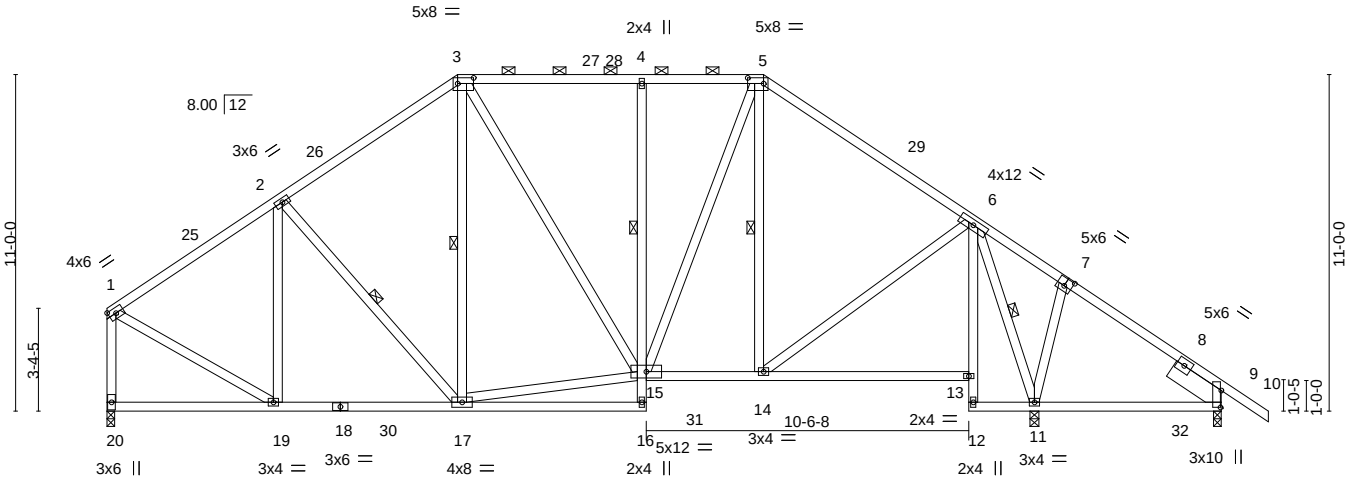


Plate Offsets (X,Y)--		[3:0-6-4,0-2-4], [5:0-6-4,0-2-4], [7:0-3-0,0-3-0], [9:0-6-10,0-0-5]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL 1.25		TC	0.48	Vert(LL)	-0.08 13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL 1.25		BC	0.72	Vert(CT)	-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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 20, 232 lb uplift at joint 9 and 396 lb uplift at joint 11.
- 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 O'Regan, 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.	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_tPSi6LyCRUchohsVazGlxZ-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

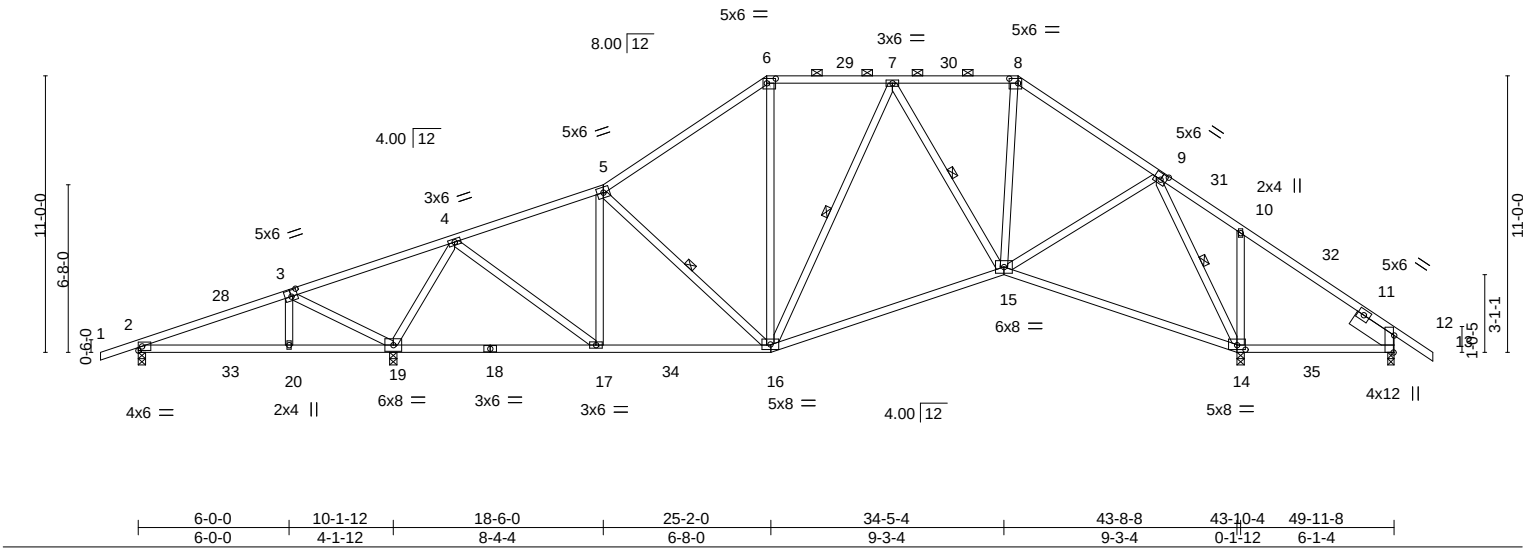


Plate Offsets (X,Y)--		[3:0-3-0,0-3-0], [6:0-4-4,0-2-4], [8:0-4-4,0-2-4], [9:0-2-12,0-3-0], [12:0-8-2,Edge], [14:0-4-0,0-2-3]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.65		Vert(LL)	0.09 14-26	>824	240	MT20	244/190
TCDL 7.0		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-

- Unbalanced roof live loads have been considered for this design.
- 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
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 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.
- 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
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Date:

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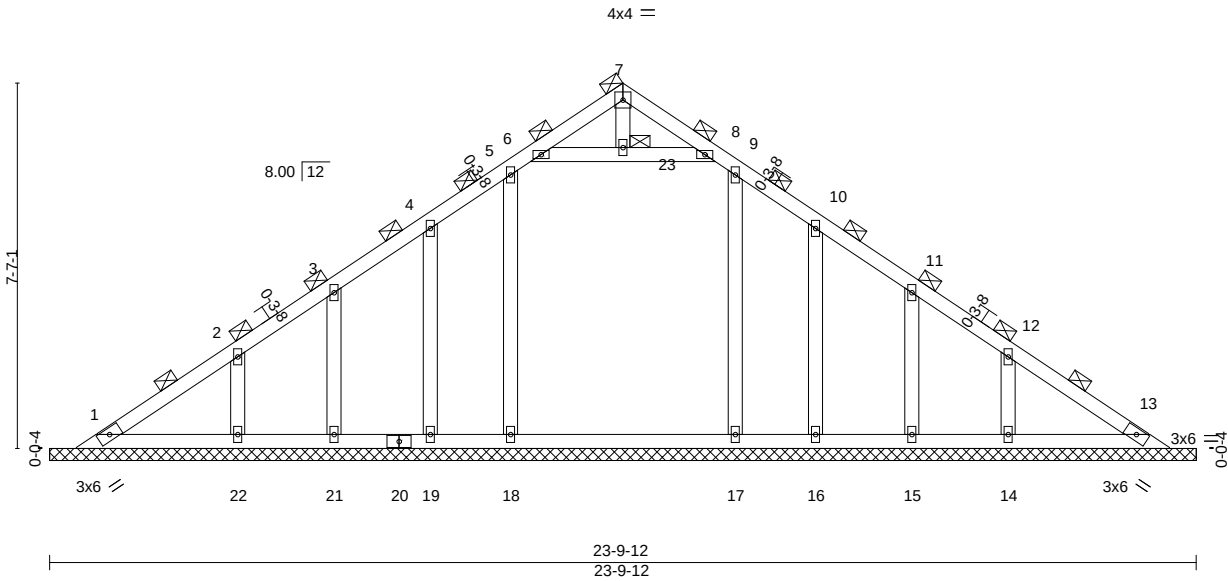
Job	Truss	Truss Type	Qty	Ply	BLAKE CONST. - NASH RES.
3981404	V01	GABLE	1	1	T33536044
Job Reference (optional)					

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_tPSi6LyCRUchohsVazGlxZ-2oYETR?PHoP9SFxoQyJm6RTOSutvzC5m51Y3JlzRUbR

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



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	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.19	Vert(CT)	n/a	-	n/a		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.00	13	n/a		
BCDL 10.0	Code FBC2023/TP12014		Matrix-S					Weight: 123 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	JOINTS 1 Brace at Jt(s): 7, 23
OTHERS 2x4 SP No.3	

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.

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 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.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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/TP1 1.

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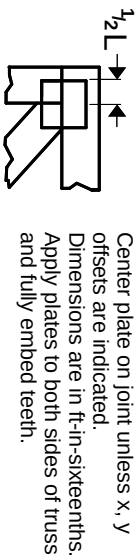
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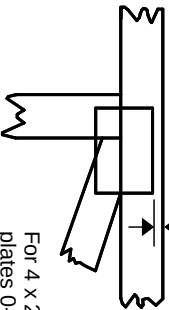
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Symbols

PLATE LOCATION AND ORIENTATION



0- $\frac{1}{16}$ "



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " 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

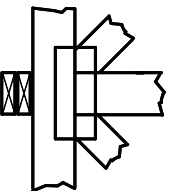
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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/TP1.1: 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

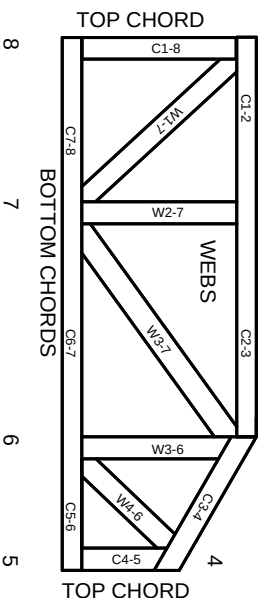
6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)

1

2

3 Joint ID typ.

TOP CHORDS



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/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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MITek Engineering Reference Sheet: MIL-7473 rev. 1/12/2023

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/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.