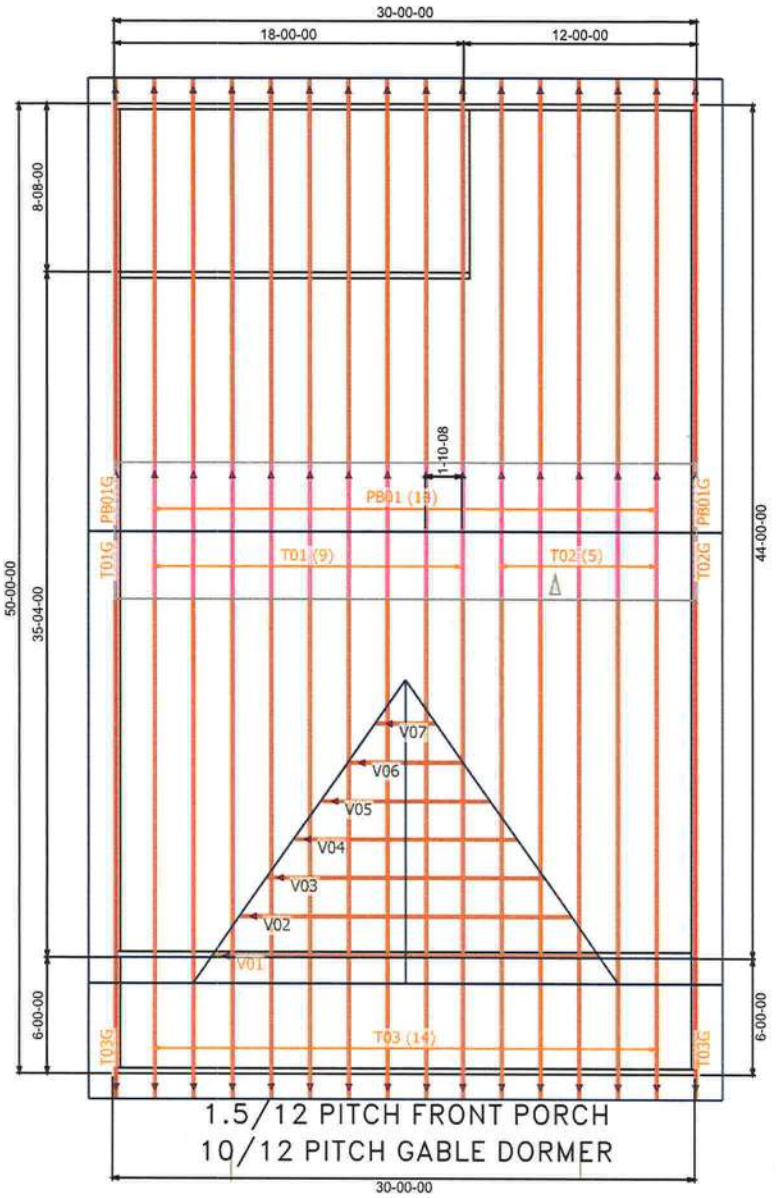
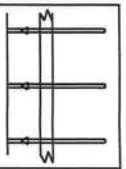


7/12 PITCH 16" OH

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:	FEAGIN CONST.
Legal Address:	Price MIL Suite
Model:	Custom

Date:	Drawn By:	Original Ref #:
9-26-24	KLH	4211412
Floor 1 Job#:	Floor 2 Job#:	Roof Job #:
N/A	N/A	4211412

12

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: 4211412 - PRICE

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

Site Information:

Customer Info: FEAGIN CONST. Project Name: Price Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 984 SW Marynik Drive, N/A
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 15 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.

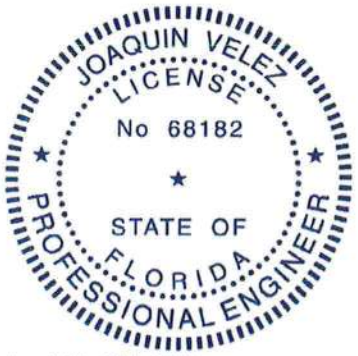
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T35111515	PB01	9/26/24	15	T35111529	V07	9/26/24
2	T35111516	PB01G	9/26/24				
3	T35111517	T01	9/26/24				
4	T35111518	T01G	9/26/24				
5	T35111519	T02	9/26/24				
6	T35111520	T02G	9/26/24				
7	T35111521	T03	9/26/24				
8	T35111522	T03G	9/26/24				
9	T35111523	V01	9/26/24				
10	T35111524	V02	9/26/24				
11	T35111525	V03	9/26/24				
12	T35111526	V04	9/26/24				
13	T35111527	V05	9/26/24				
14	T35111528	V06	9/26/24				

This item has been digitally signed and sealed by Velez, Joaquin, 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: Velez, Joaquin
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.



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 26,2024

Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	PB01	Piggyback	14	1	T35111515
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:52 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-rIe1tdaRP8Y5sk1T2clx4r2RTC?crJci_RolwhyZqmP

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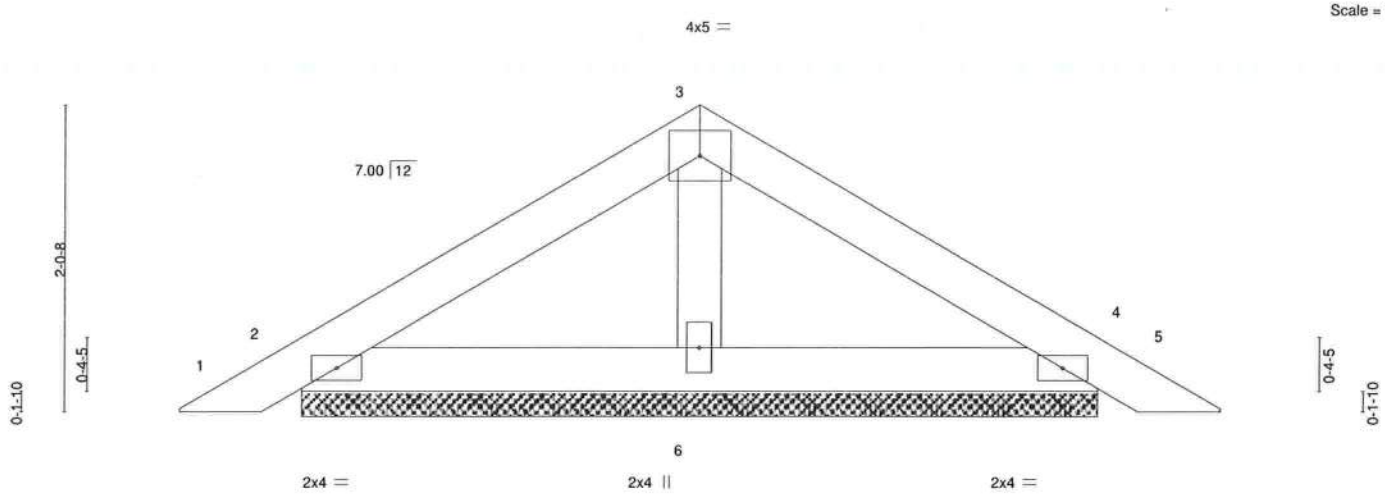
3-6-0 3-6-0

Scale = 1:14.7



7-0-0
7-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.07	Vert(CT)	0.00	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-P							Weight: 22 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=5-3-11, 4=5-3-11, 6=5-3-11
Max Horz 2=-59(LC 10)
Max Uplift 2=-74(LC 12), 4=-82(LC 13), 6=-39(LC 12)
Max Grav 2=134(LC 1), 4=134(LC 20), 6=184(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

This item has been digitally signed and sealed by Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 26,2024

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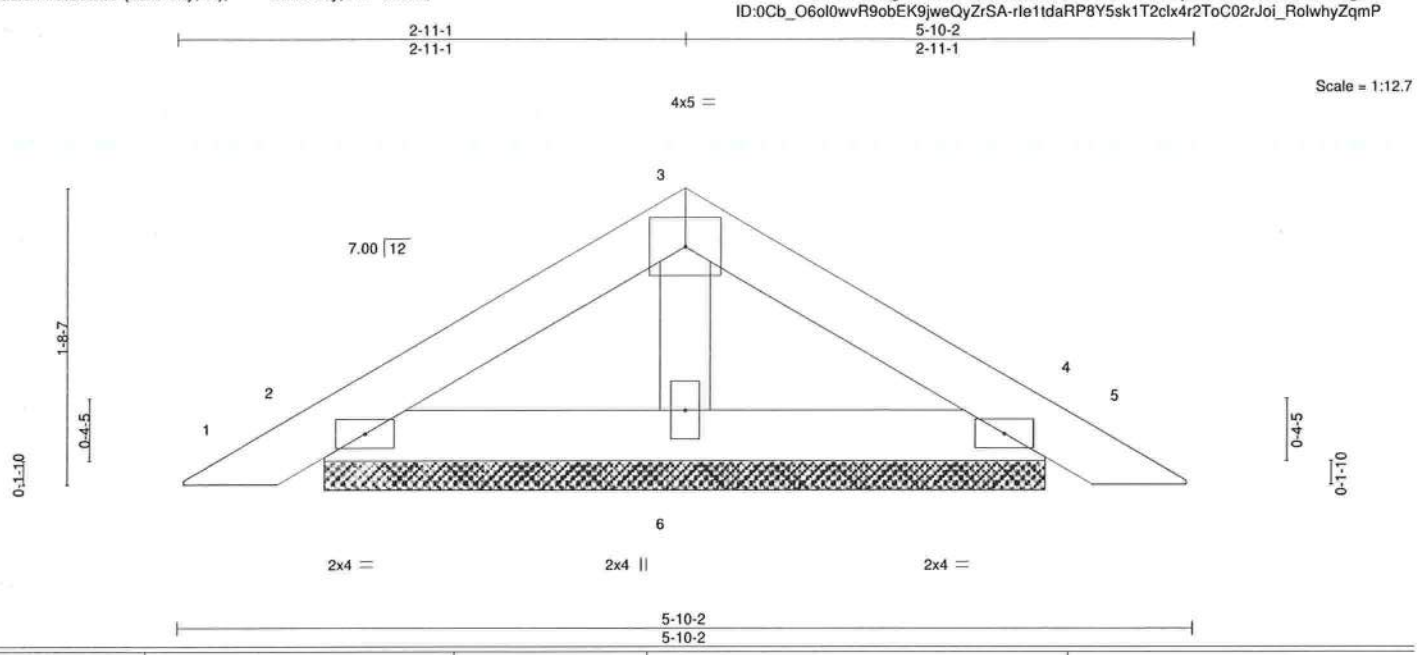
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	PRICE	
4211412	PB01G	GABLE	2	1	Job Reference (optional)	T35111516

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:52 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-rIe1tdaRP8Y5sk1T2clx4r2ToC02rJoi_RolwhyZqmP



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.12	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 18 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 5-10-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=4-1-13, 4=4-1-13, 6=4-1-13
Max Horz 2=49(LC 11)
Max Uplift 2=-63(LC 12), 4=-70(LC 13), 6=-28(LC 12)
Max Grav 2=112(LC 1), 4=113(LC 20), 6=141(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 26,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

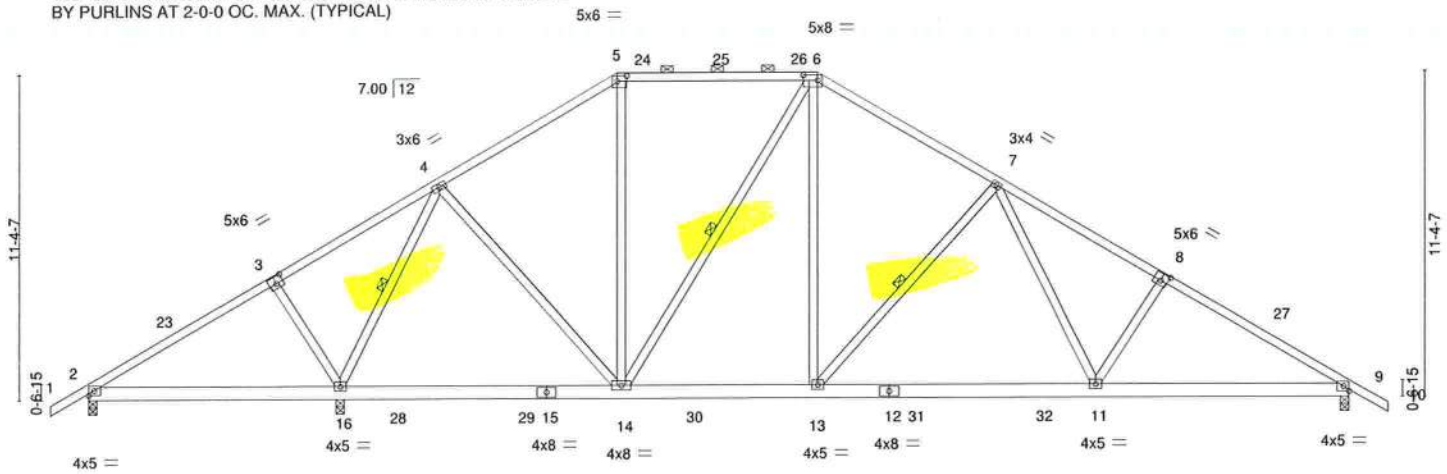
Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	T01	Piggyback Base	9	1	T35111517
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:53 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-JUCP4zb3ASgyUucfcKGAd2bVjcEdacusC4XlS7yZqmO

1-4-0	6-6-0	12-3-7	18-6-0	25-6-0	31-8-9	37-6-0	44-0-0	45-4-0
1-4-0	6-6-0	5-9-7	6-2-9	7-0-0	6-2-9	5-9-7	6-6-0	1-4-0

Scale = 1:77.3

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



8-9-12	18-6-0	25-6-0	35-2-4	44-0-0
8-9-12	9-8-4	7-0-0	9-8-4	8-9-12

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

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	0.68	Vert(LL)	-0.16	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.27	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.69	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
6-14: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins, except 2-0-0 oc purlins (5-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-16, 6-14, 7-13

REACTIONS. (size) 2=0-3-8, 16=0-3-8, 9=0-3-8
Max Horz 2=-369(LC 10)
Max Uplift 2=-138(LC 9), 16=-727(LC 12), 9=-569(LC 13)
Max Grav 2=301(LC 25), 16=2120(LC 2), 9=1550(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-93/320, 3-4=-63/451, 4-5=-1081/519, 5-6=-874/516, 6-7=-1392/617, 7-8=-2203/855, 8-9=-2340/831
BOT CHORD 2-16=-395/332, 14-16=-258/536, 13-14=-138/1149, 11-13=-363/1534, 9-11=-574/1928
WEBS 3-16=-328/304, 4-16=-1619/544, 4-14=-142/719, 5-14=-96/322, 6-14=-621/284, 6-13=-298/942, 7-13=-774/457, 7-11=-222/720, 8-11=-307/294

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-0-13, Zone1 3-0-13 to 18-6-0, Zone2 18-6-0 to 24-8-11, Zone1 24-8-11 to 25-6-0, Zone2 25-6-0 to 31-8-9, Zone1 31-8-9 to 45-4-0 zone; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=138, 16=727, 9=569.
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 Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 26,2024

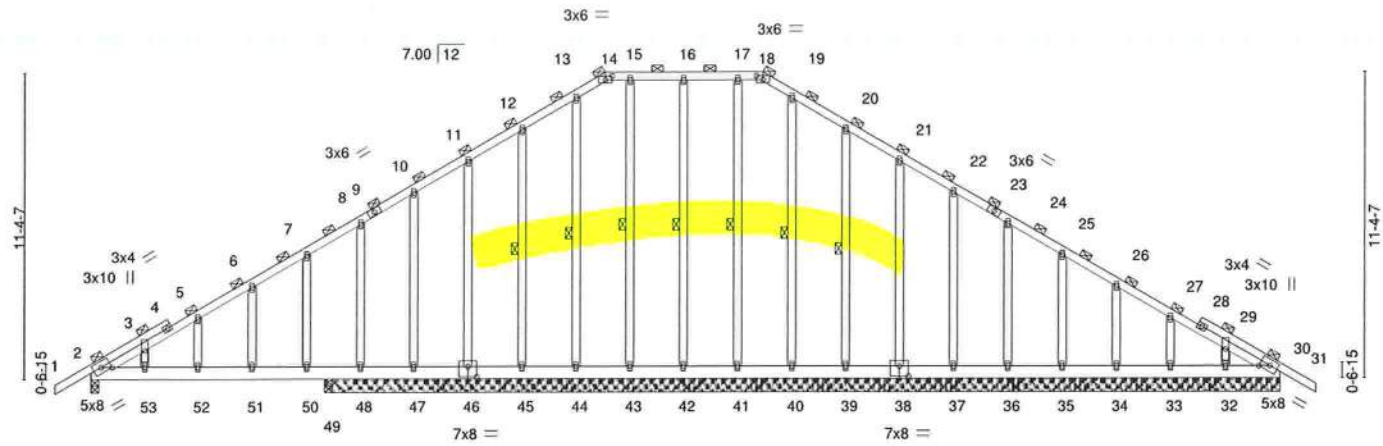
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	T01G	Piggyback Base Supported Gable	1	1	T35111518
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:54 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-ngmnIJchxmop62Br91nP9G8mm0bpJBW?RkHr_ZyZqmN

1-4-0 | 19-0-15 | 24-11-1 | 44-0-0 | 45-4-0
1-4-0 | 19-0-15 | 5-10-2 | 19-0-15 | 1-4-0

Scale = 1:82.0



8-8-0 | 44-0-0
8-8-0 | 35-4-0

Plate Offsets (X,Y)-- [2:0-4-4,Edge], [14:0-3-0,0-1-12], [18:0-3-0,0-1-12], [30:0-4-4,Edge], [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	0.28	Vert(LL)	0.11	52	>971	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.11	52	>931	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	30	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 382 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.
WEBS 1 Row at midpt 16-42, 15-43, 13-44, 12-45, 17-41, 19-40, 20-39

REACTIONS. All bearings 35-4-0 except (jt=length) 2=0-3-8, 49=0-3-8.
(lb) - Max Horz 48=-369(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 42, 43, 44, 46, 41, 40, 33, 30 except 2=-104(LC 8), 45=-124(LC 12), 47=-160(LC 12), 48=-490(LC 1), 39=-123(LC 13), 38=-102(LC 13), 37=-105(LC 13), 36=-105(LC 13), 35=-104(LC 13), 34=-108(LC 13), 32=-101(LC 13), 49=-670(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 42, 43, 44, 45, 46, 47, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 30 except 2=349(LC 1), 48=358(LC 9), 49=968(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-327/219, 3-5=-317/231, 12-13=-159/259, 13-14=-169/276, 14-15=-161/272, 15-16=-161/272, 16-17=-161/272, 17-18=-161/272, 18-19=-169/276, 19-20=-159/259, 27-29=-256/156, 29-30=-317/179
BOT CHORD 2-53=-223/368, 52-53=-223/368, 51-52=-223/368, 50-51=-223/368, 49-50=-223/368, 48-49=-223/368, 47-48=-168/331, 46-47=-168/331, 45-46=-168/331, 44-45=-168/331, 43-44=-168/331, 42-43=-168/331, 41-42=-168/331, 40-41=-168/331, 39-40=-168/331, 38-39=-168/331, 37-38=-168/331, 36-37=-168/331, 35-36=-168/331, 34-35=-168/331, 33-34=-168/331, 32-33=-168/331, 30-32=-168/331

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 42, 43, 44, 46, 41, 40, 33, 30 except (jt=lb) 2=104, 45=124, 47=160, 48=490, 39=123, 38=102, 37=105, 36=105, 35=104, 34=108, 32=101, 49=670.
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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Date:
September 26,2024

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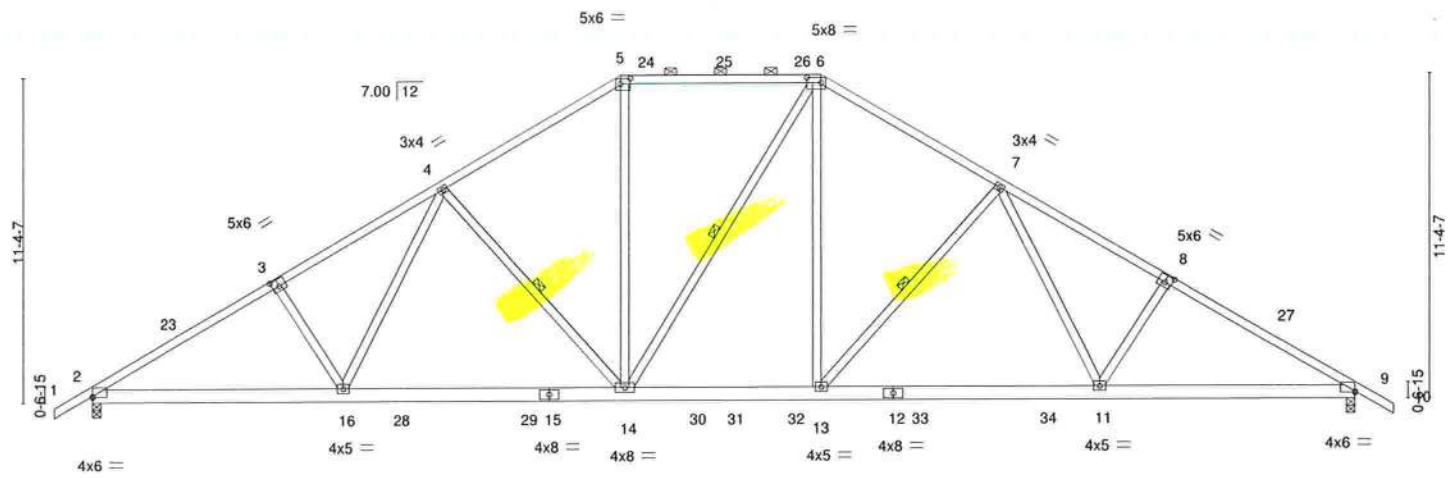
Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	T02	Piggyback Base	5	1	T35111519
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:55 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-FtKAVfdKi3wfjCm2jIleiTgnGQu32Yv9gO0PW?yZqmM

1-4-0	6-6-0	12-3-7	18-6-0	25-6-0	31-8-9	37-6-0	44-0-0	45-4-0
1-4-0	6-6-0	5-9-7	6-2-9	7-0-0	6-2-9	5-9-7	6-6-0	1-4-0

Scale = 1:77.3



8-9-12	18-6-0	25-6-0	35-2-4	44-0-0
8-9-12	9-8-4	7-0-0	9-8-4	8-9-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.25	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.42	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.10	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 296 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.3 *Except*
6-14: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-10 oc purlins, except
2-0-0 oc purlins (2-2-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 7-8-6 oc bracing.
WEBS 1 Row at midpt 4-14, 6-14, 7-13

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-369(LC 10)
Max Uplift 2=-629(LC 12), 9=-625(LC 13)
Max Grav 2=1983(LC 19), 9=1991(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3166/945, 3-4=-3030/969, 4-5=-2311/767, 5-6=-1942/731, 6-7=-2326/757, 7-8=-3046/961, 8-9=-3182/937
BOT CHORD 2-16=-921/2905, 14-16=-678/2462, 13-14=-288/1955, 11-13=-486/2329, 9-11=-665/2684
WEBS 3-16=-298/292, 4-16=-222/682, 4-14=-756/458, 5-14=-193/894, 6-13=-228/1002, 7-13=-758/459, 7-11=-224/684, 8-11=-298/292

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-0-13, Zone1 3-0-13 to 18-6-0, Zone2 18-6-0 to 24-8-11, Zone1 24-8-11 to 25-6-0, Zone2 25-6-0 to 31-8-9, Zone1 31-8-9 to 45-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 100.0lb AC unit load placed on the bottom chord, 23-0-0 from left end, supported at two points, 3-0-0 apart.
5) Provide adequate drainage to prevent water ponding.
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) except (jt=lb) 2=629, 9=625.
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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September 26,2024

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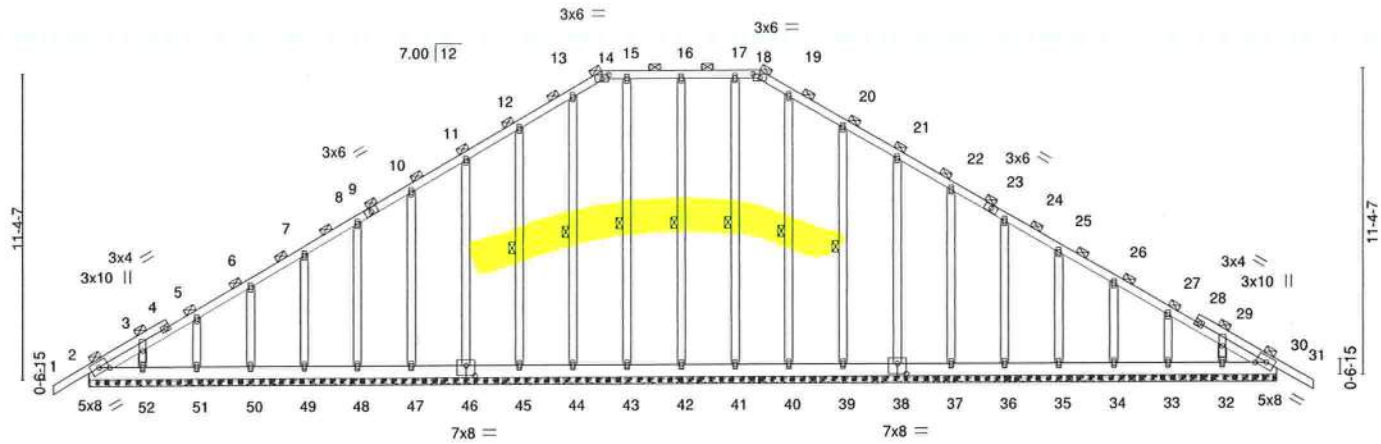
Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	T02G	Piggyback Base Supported Gable	1	1	T35111520
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:56 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-k3tYj?dyTN2WLMLEHSqtFhD9pqN1n51Iu2my3SyZqmL

1-4-0 | 19-0-15 | 24-11-1 | 44-0-0 | 45-4-0
1-4-0 | 19-0-15 | 5-10-2 | 19-0-15 | 1-4-0

Scale = 1:82.0



44-0-0
44-0-0

Plate Offsets (X,Y)-- [2:0-4-4,Edge], [14:0-3-0,0-1-12], [18:0-3-0,0-1-12], [30:0-4-4,Edge], [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	0.12	Vert(LL)	-0.00	31	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	31	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	30	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 382 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.
WEBS 1 Row at midpt 16-42, 15-43, 13-44, 12-45, 17-41, 19-40, 20-39

REACTIONS. All bearings 44-0-0.
(lb) - Max Horz 2=-369(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 42, 43, 44, 51, 41, 40, 33, 30 except 45=-119(LC 12), 46=-103(LC 12), 47=-105(LC 12), 48=-105(LC 12), 49=-104(LC 12), 50=-108(LC 12), 52=-103(LC 12), 39=-124(LC 13), 38=-102(LC 13), 37=-105(LC 13), 36=-105(LC 13), 35=-104(LC 13), 34=-108(LC 13), 32=-100(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 30

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-372/263, 3-5=-310/239, 5-6=-256/223, 12-13=-164/269, 13-14=-174/283, 14-15=-165/279, 15-16=-165/279, 16-17=-165/279, 17-18=-165/279, 18-19=-174/283, 19-20=-164/268, 29-30=-299/155
BOT CHORD 2-52=-147/315, 51-52=-147/315, 50-51=-147/315, 49-50=-147/315, 48-49=-147/315, 47-48=-147/315, 46-47=-147/315, 45-46=-147/315, 44-45=-147/315, 43-44=-147/315, 42-43=-147/315, 41-42=-147/315, 40-41=-147/315, 39-40=-147/315, 38-39=-147/315, 37-38=-147/315, 36-37=-147/315, 35-36=-147/315, 34-35=-147/315, 33-34=-147/315, 32-33=-147/315, 30-32=-147/315

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) 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.

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Date:
September 26,2024

Continued on page 2

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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) 2, 42, 43, 44, 51, 41, 40, 33, 30 except (jt=lb) 45=119, 46=103, 47=105, 48=105, 49=104, 50=108, 52=103, 39=124, 38=102, 37=105, 36=105, 35=104, 34=108, 32=100.
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	PRICE
4211412	T03	Monopitch	14	1	T35111521
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:57 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-CFRwwLeaEhANzWvQrAL6numCGDbWWabS7iVWbuyZqmK

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1-4-0 6-0-0

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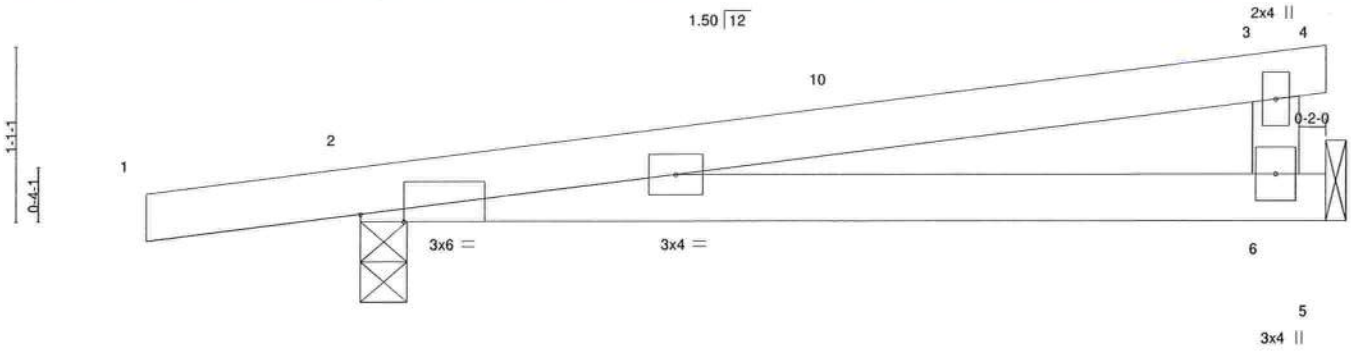

6-0-0
6-0-0

Plate Offsets (X,Y)-- [2:0-3-4,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	0.52	Vert(LL)	0.13	6-9	>527	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.54	Vert(CT)	0.11	6-9	>612	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 21 lb	FT = 20%

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

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

REACTIONS. (size) 6=Mechanical, 2=0-3-8
Max Horz 2=48(LC 8)
Max Uplift 6=-171(LC 8), 2=-251(LC 8)
Max Grav 6=226(LC 1), 2=290(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-6=-143/329

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-11-8, Zone1 1-11-8 to 6-0-0 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=171, 2=251.

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Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	T03G	Monopitch Supported Gable	2	1	T35111522
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:57 2024 Page 1
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-1-4-0 6-0-0
1-4-0 6-0-0

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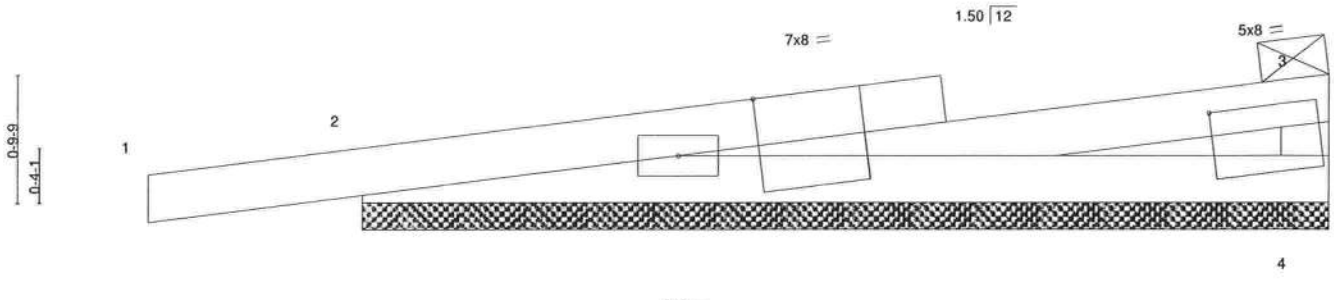

6-0-0
6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.94	Vert(LL)	-0.01	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	0.01	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 23 lb	FT = 20%

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

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

REACTIONS. (size) 2=6-0-0, 4=6-0-0
Max Horz 2=32(LC 8)
Max Uplift 2=-189(LC 8), 4=-99(LC 12)
Max Grav 2=297(LC 1), 4=208(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-150/383

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=189.
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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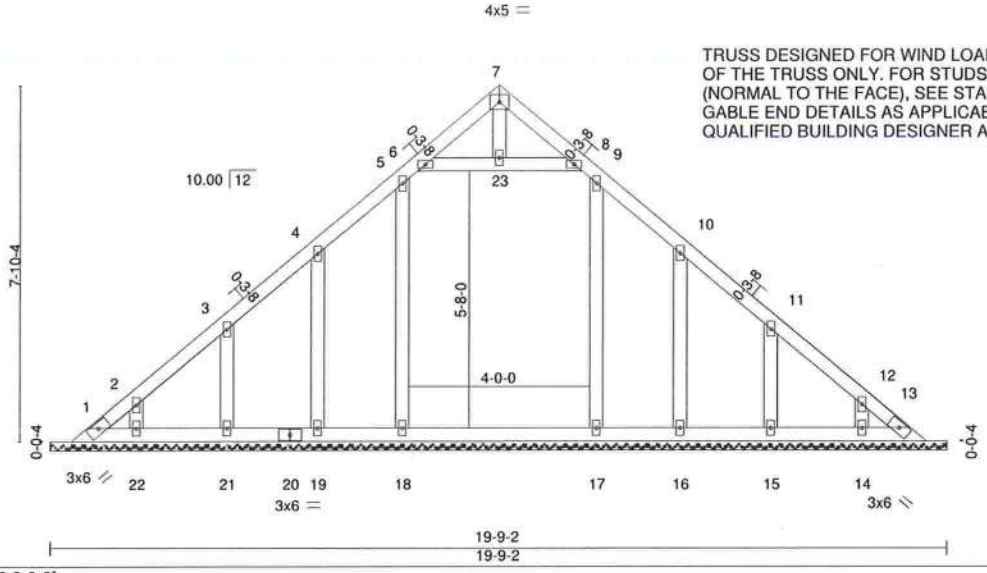
Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	V01	GABLE	1	1	T35111523
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:58 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-gS?I7hfC?_IEbfUdOtsLK6IU2d1bF08bMMF37KyZqmJ

9-10-9 / 9-10-9 | 19-9-2 / 9-10-9

Scale = 1:48.8



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.

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	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: 107 lb	FT = 20%

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

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

REACTIONS. All bearings 19-9-2.
(lb) - Max Horz 1=-240(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 13, 18, 17 except 1=-102(LC 10), 19=-140(LC 12), 21=-144(LC 12), 22=-120(LC 12), 16=-143(LC 13), 15=-144(LC 13), 14=-120(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 19, 21, 22, 16, 15, 14 except 18=352(LC 19), 17=310(LC 20)

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-10-5 to 3-10-9, Zone1 3-10-9 to 9-10-9, Zone2 9-10-9 to 13-10-9, Zone1 13-10-9 to 18-10-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) 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) 13, 18, 17 except (jt=lb) 1=102, 19=140, 21=144, 22=120, 16=143, 15=144, 14=120.

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Date:
September 26,2024

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Job	Truss	Truss Type	Qty	Ply	PRICE	
4211412	V02	Valley	1	1		T35111524
					Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:59 2024 Page 1
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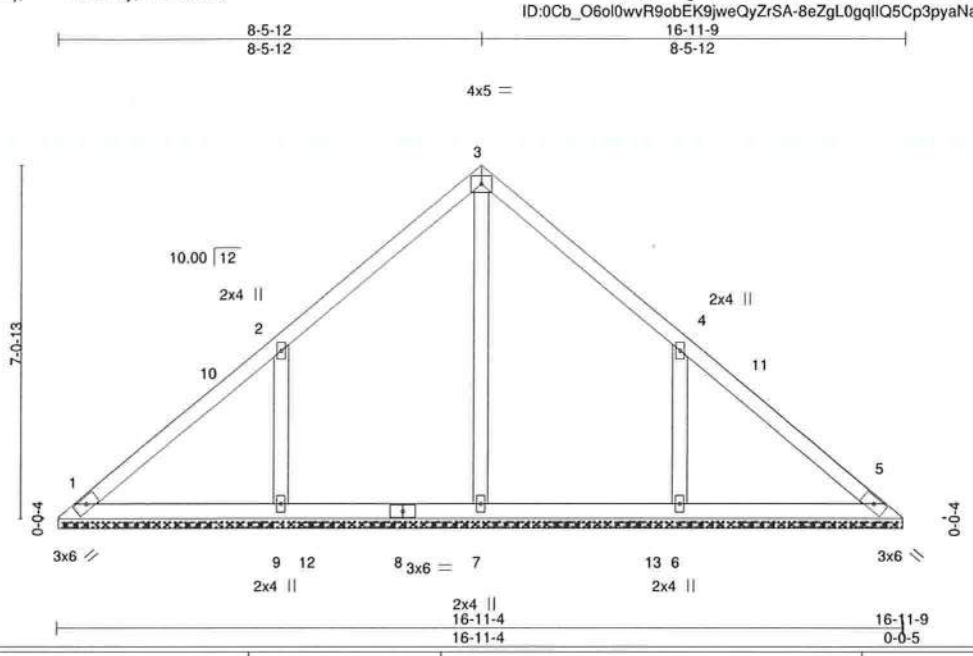

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 76 lb	FT = 20%

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

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

REACTIONS. All bearings 16-10-15.
(lb) - Max Horz 1=-215(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-342(LC 12), 6=-342(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=345(LC 22), 9=509(LC 19), 6=509(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-320/356, 4-6=-320/356

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 8-5-12, Zone2 8-5-12 to 12-5-12, Zone1 12-5-12 to 16-6-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=342, 6=342.

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Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	V03	Valley	1	1	T35111525
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:04:59 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-8eZgL0gqlIQ5Cp3pyaNasJrdZ1OY_TWkb0?cfnyZqml

7-0-15 / 7-0-15 | 14-1-15 / 7-0-15

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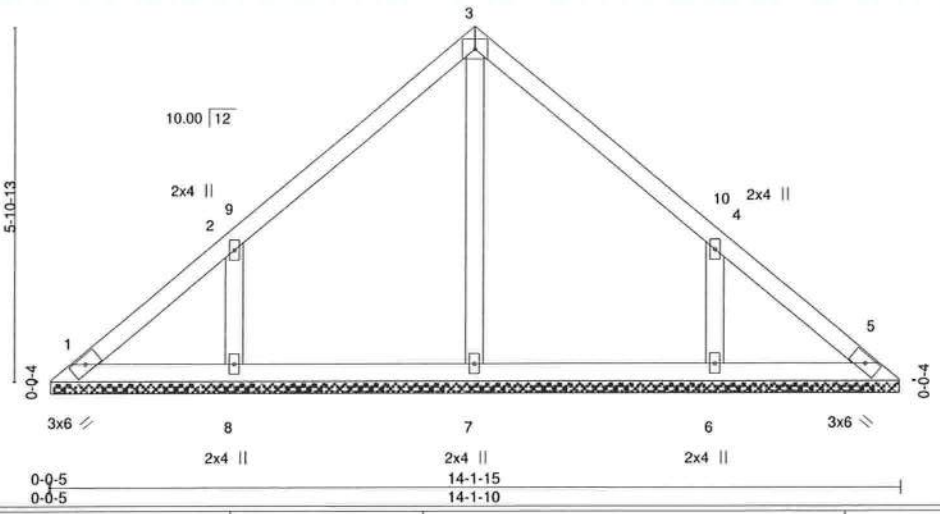

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 61 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 14-1-5.
(lb) - Max Horz 1=177(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-285(LC 12), 6=-285(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=346(LC 19), 6=345(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-274/342, 4-6=-274/342

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 7-0-15, Zone2 7-0-15 to 11-0-15, Zone1 11-0-15 to 13-9-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=285, 6=285.

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Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	V04	Valley	1	1	T35111526
					Job Reference (optional)

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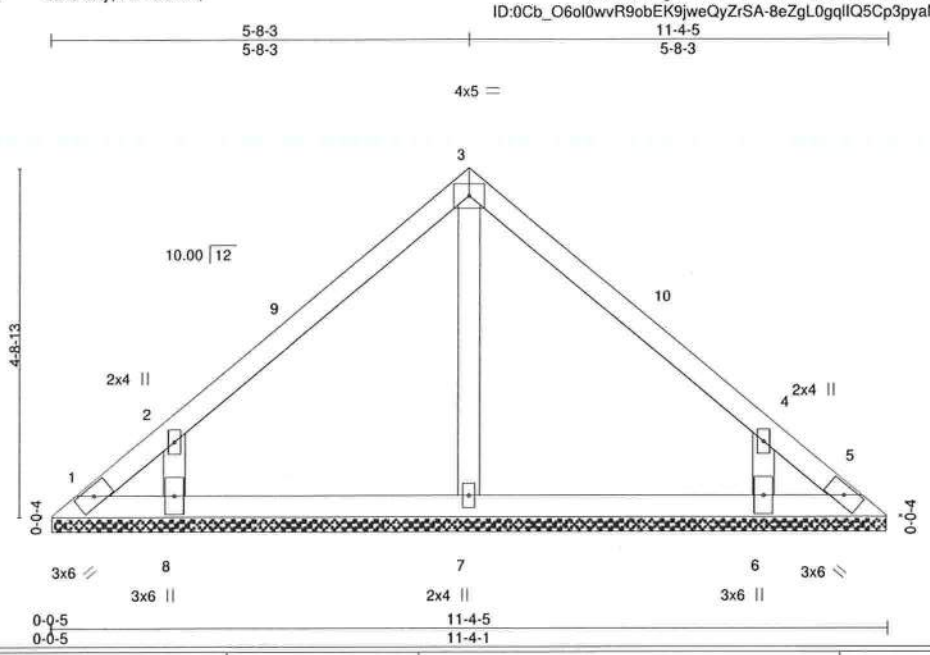

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.23	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 46 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 11-3-12.
(lb) - Max Horz 1=-140(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-273(LC 12), 6=-272(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=326(LC 19), 6=326(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-283/422, 4-6=-283/422

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 5-8-3, Zone2 5-8-3 to 9-8-3, Zone1 9-8-3 to 10-11-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=273, 6=272.

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Job	Truss	Truss Type	Qty	Ply	PRICE	
4211412	V05	Valley	1	1	Job Reference (optional)	T35111527

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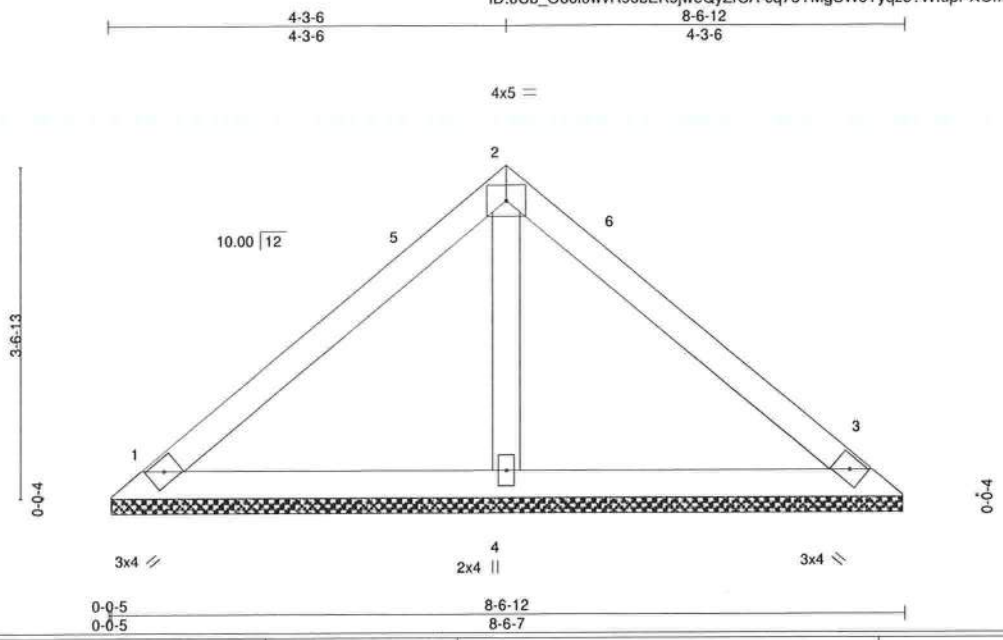

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 32 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) 1=8-6-2, 3=8-6-2, 4=8-6-2
Max Horz 1=-103(LC 8)
Max Uplift 1=-65(LC 13), 3=-77(LC 13), 4=-75(LC 12)
Max Grav 1=151(LC 1), 3=151(LC 1), 4=272(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 4-3-6, Zone3 4-3-6 to 8-1-14 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	V06	Valley	1	1	T35111528
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 07:05:00 2024 Page 1
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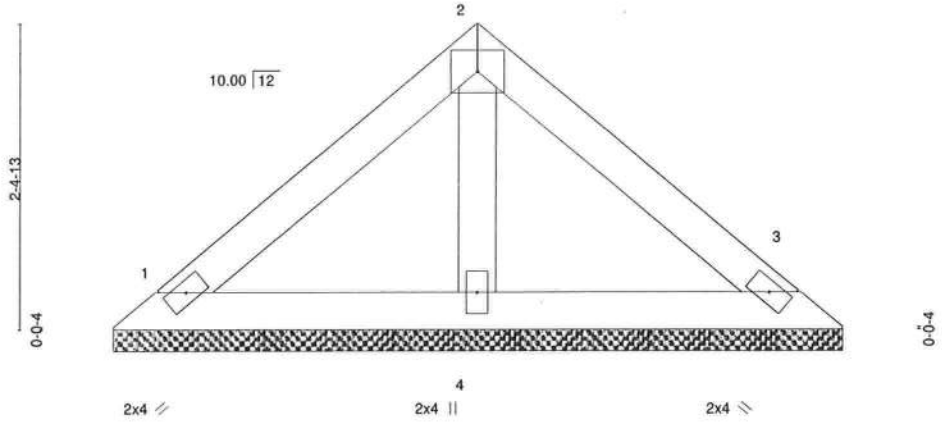

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 21 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 5-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-8-9, 3=5-8-9, 4=5-8-9
Max Horz 1=-66(LC 8)
Max Uplift 1=-51(LC 13), 3=-59(LC 13), 4=-29(LC 12)
Max Grav 1=104(LC 1), 3=104(LC 1), 4=158(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	PRICE
4211412	V07	Valley	1	1	T35111529
					Job Reference (optional)

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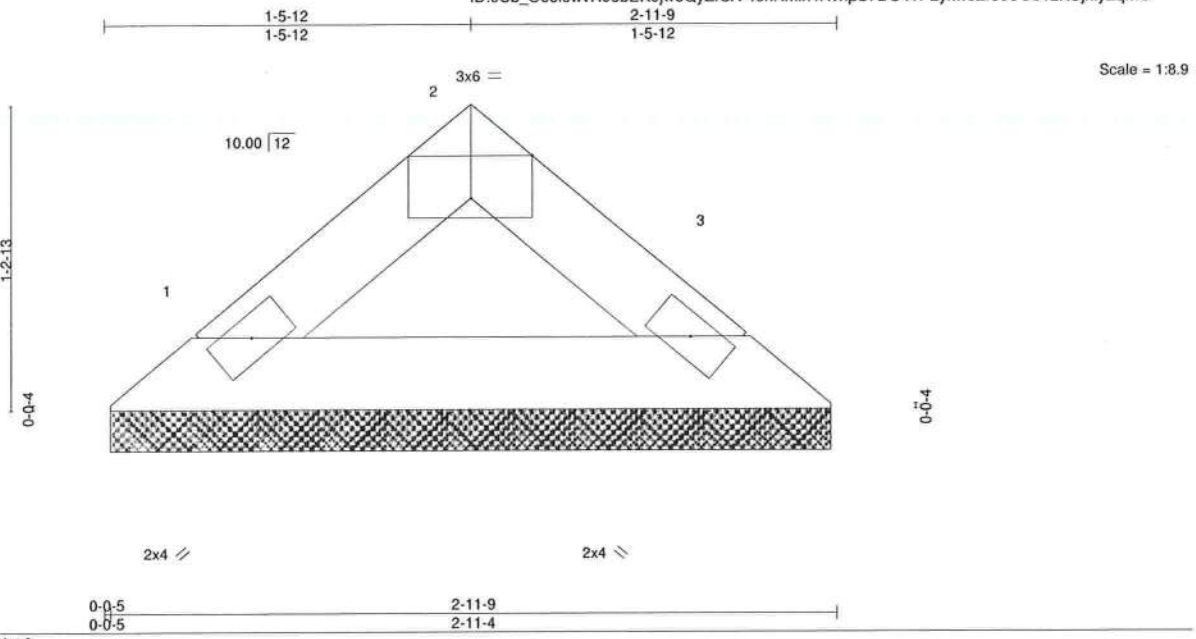

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-P							Weight: 9 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 2-11-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=2-10-15, 3=2-10-15
Max Horz 1=-29(LC 8)
Max Uplift 1=-28(LC 12), 3=-28(LC 13)
Max Grav 1=80(LC 1), 3=80(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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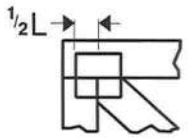
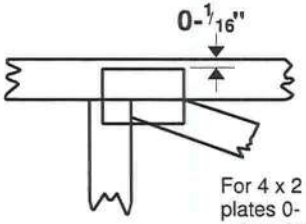
Symbols

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

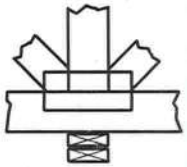
4 x 4

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

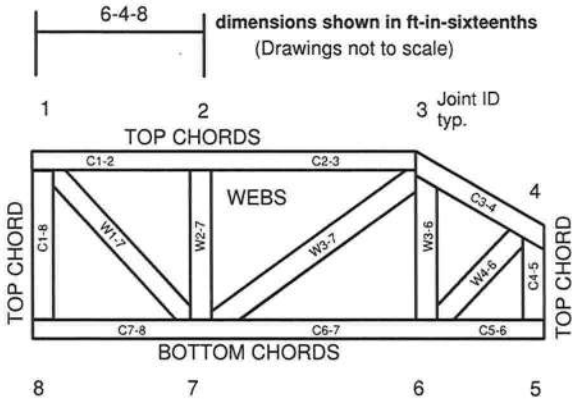


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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®

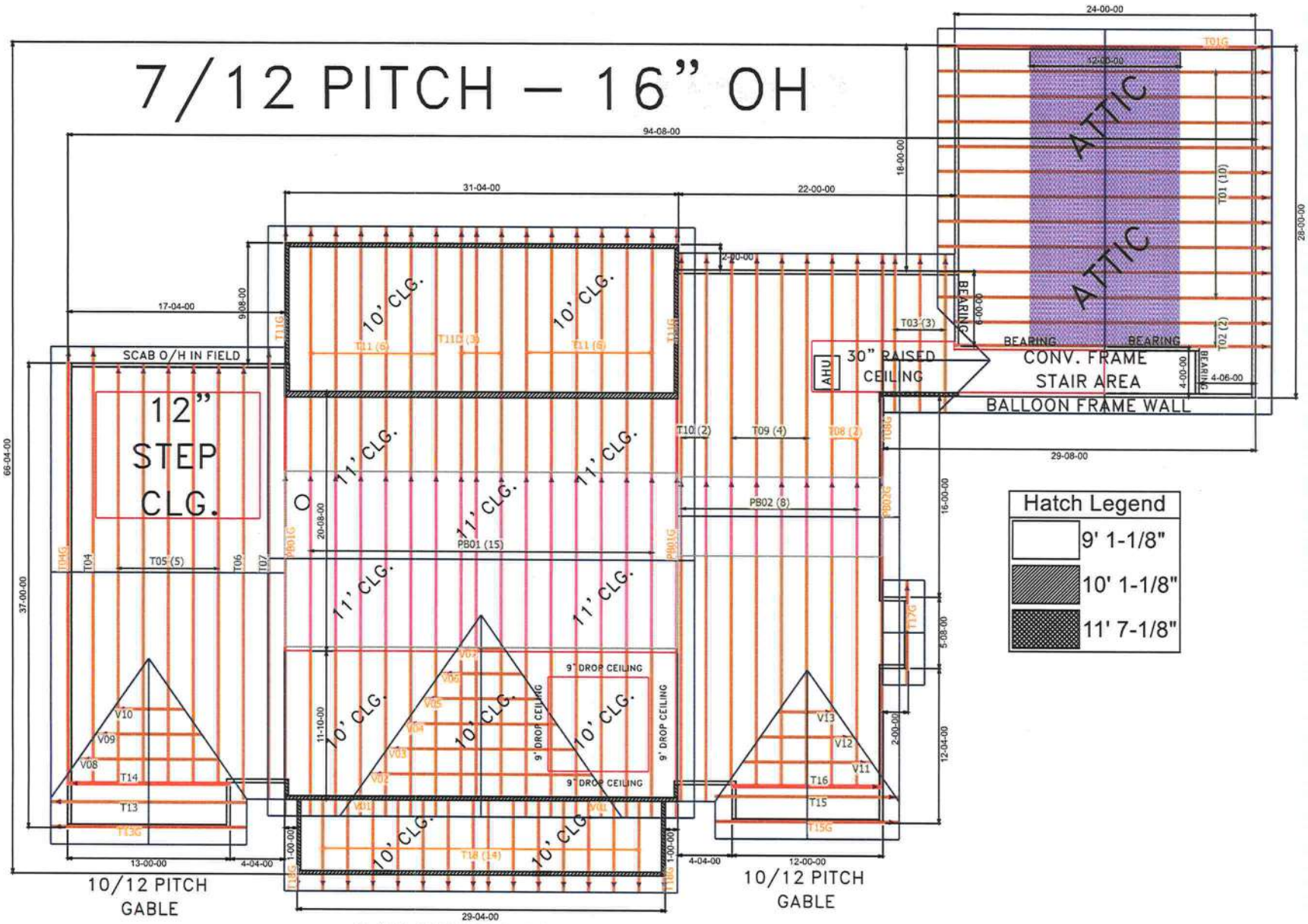
MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

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/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.

7/12 PITCH – 16" OH



3/12 PITCH FRONT PORCH
10/12 PITCH GABLE DORMER

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

Hatch Legend

- 9' 1-1/8"
- 10' 1-1/8"
- 11' 7-1/8"

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: FEAGIN CONST.		
Legal Address: Feagin Res.		
Model: Custom		
Date: 9-26-24	Drawn By: KLH	Original Ref #: 4190167
Floor 1 Job#: N/A	Floor 2 Job#: N/A	Roof Job #: 4190167

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: 4190167 - FEAGIN RES.

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

Site Information:
Customer Info: FEAGIN CONST. Project Name: Feagin Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 984 SW Marynik Drive, N/A
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 42 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.

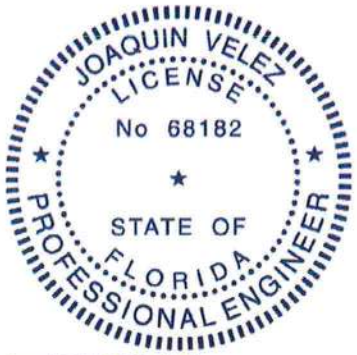
No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T35113735	PB01	9/27/24	15	T35113749	T08G	9/27/24
2	T35113736	PB01G	9/27/24	16	T35113750	T09	9/27/24
3	T35113737	PB02	9/27/24	17	T35113751	T10	9/27/24
4	T35113738	PB02G	9/27/24	18	T35113752	T11	9/27/24
5	T35113739	T01	9/27/24	19	T35113753	T11D	9/27/24
6	T35113740	T01G	9/27/24	20	T35113754	T11G	9/27/24
7	T35113741	T02	9/27/24	21	T35113755	T13	9/27/24
8	T35113742	T03	9/27/24	22	T35113756	T13G	9/27/24
9	T35113743	T04	9/27/24	23	T35113757	T14	9/27/24
10	T35113744	T04G	9/27/24	24	T35113758	T15	9/27/24
11	T35113745	T05	9/27/24	25	T35113759	T15G	9/27/24
12	T35113746	T06	9/27/24	26	T35113760	T16	9/27/24
13	T35113747	T07	9/27/24	27	T35113761	T17G	9/27/24
14	T35113748	T08	9/27/24	28	T35113762	T18	9/27/24

This item has been digitally signed and sealed by Velez, Joaquin, 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: Velez, Joaquin
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.



Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

September 27,2024

MiTek®

RE: 4190167 - FEAGIN RES.

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

Site Information:

Customer Info: FEAGIN CONST. Project Name: Feagin Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 984 SW Marynik Drive, N/A
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
29	T35113763	T18G	9/27/24
30	T35113764	V01	9/27/24
31	T35113765	V02	9/27/24
32	T35113766	V03	9/27/24
33	T35113767	V04	9/27/24
34	T35113768	V05	9/27/24
35	T35113769	V06	9/27/24
36	T35113770	V07	9/27/24
37	T35113771	V08	9/27/24
38	T35113772	V09	9/27/24
39	T35113773	V10	9/27/24
40	T35113774	V11	9/27/24
41	T35113775	V12	9/27/24
42	T35113776	V13	9/27/24

Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113735
4190167	PB01	GABLE	15	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:02 2024 Page 1
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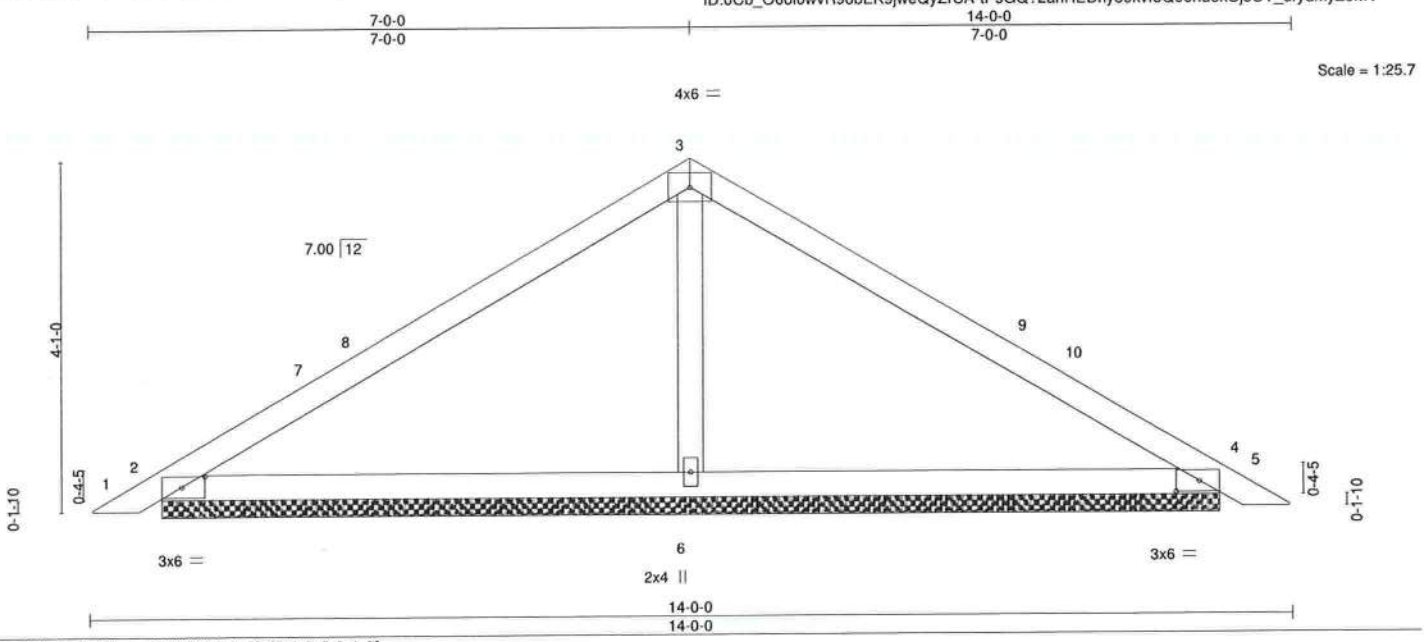


Plate Offsets (X,Y)-- [2:0-3-3,0-1-8], [4:0-3-3,0-1-8]

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	0.45	Vert(LL)	0.02	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	0.03	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 47 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=12-3-11, 4=12-3-11, 6=12-3-11
Max Horz 2=-124(LC 10)
Max Uplift 2=-122(LC 12), 4=-138(LC 13), 6=-140(LC 12)
Max Grav 2=244(LC 25), 4=250(LC 20), 6=481(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-6=-296/225

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-11 to 3-3-11, Zone1 3-3-11 to 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 13-8-5 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 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) except (jt=lb) 2=122, 4=138, 6=140.
10) 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 Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

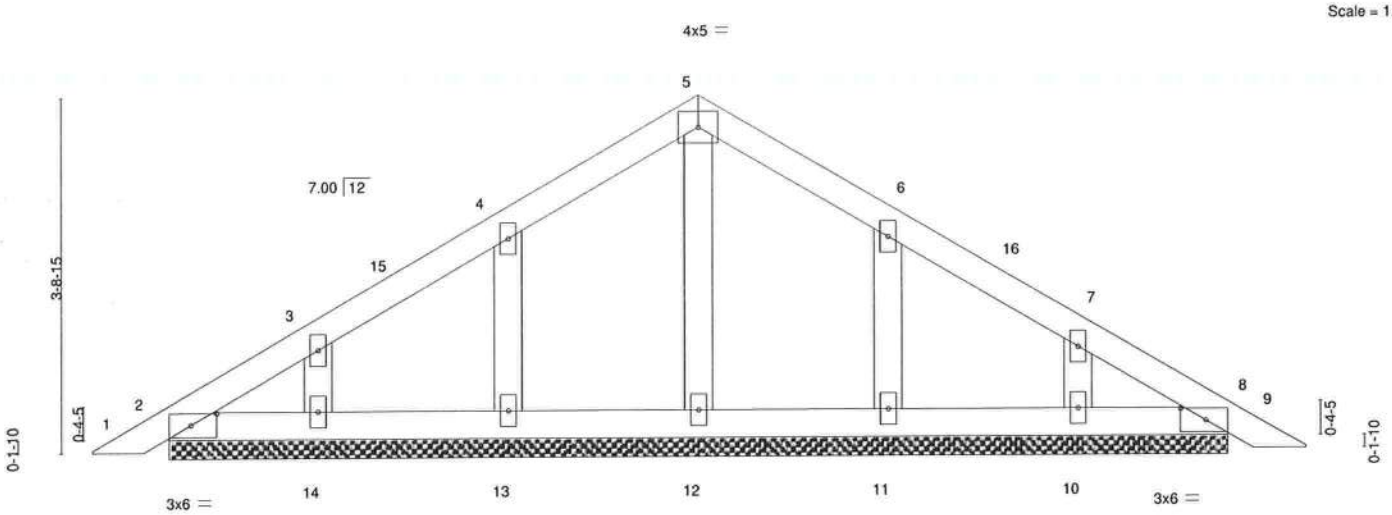
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113736
4190167	PB01G	GABLE	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:02 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-tPsGQ?2ahREDny30kvf3Q00mropkj90Y_urydmyZoMV

6-5-1 / 6-5-1 | 12-10-2 / 6-5-1

Scale = 1:23.3



12-10-2 / 12-10-2

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

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	0.07	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	8	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 51 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 11-1-13.
(lb) - Max Horz 2=-114(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 14, 10 except 13=-113(LC 12), 11=-112(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-11 to 3-3-11, Zone1 3-3-11 to 6-5-1, Zone2 6-5-1 to 10-5-1, Zone1 10-5-1 to 12-6-7 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 14, 10 except (jt=lb) 13=113, 11=112.
11) 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 Velez, Joaquin, 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.

Joaquin Velez PE No.68182
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

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

Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113737
4190167	PB02	GABLE	8	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:03 2024 Page 1
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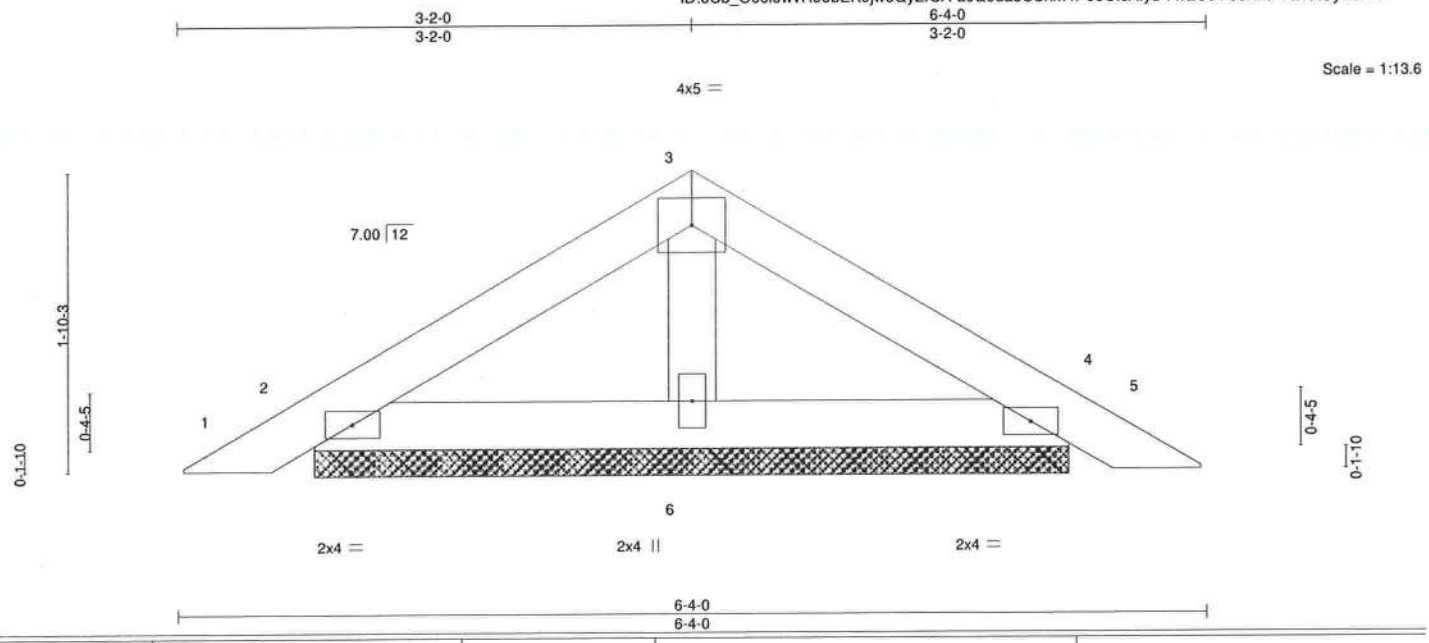

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.15	Vert(LL)	0.00	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	0.00	5	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 19 lb	FT = 20%

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

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

REACTIONS. (size) 2=4-7-11, 4=4-7-11, 6=4-7-11
Max Horz 2=-53(LC 10)
Max Uplift 2=-68(LC 12), 4=-75(LC 13), 6=-33(LC 12)
Max Grav 2=121(LC 1), 4=122(LC 20), 6=159(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:
September 27,2024

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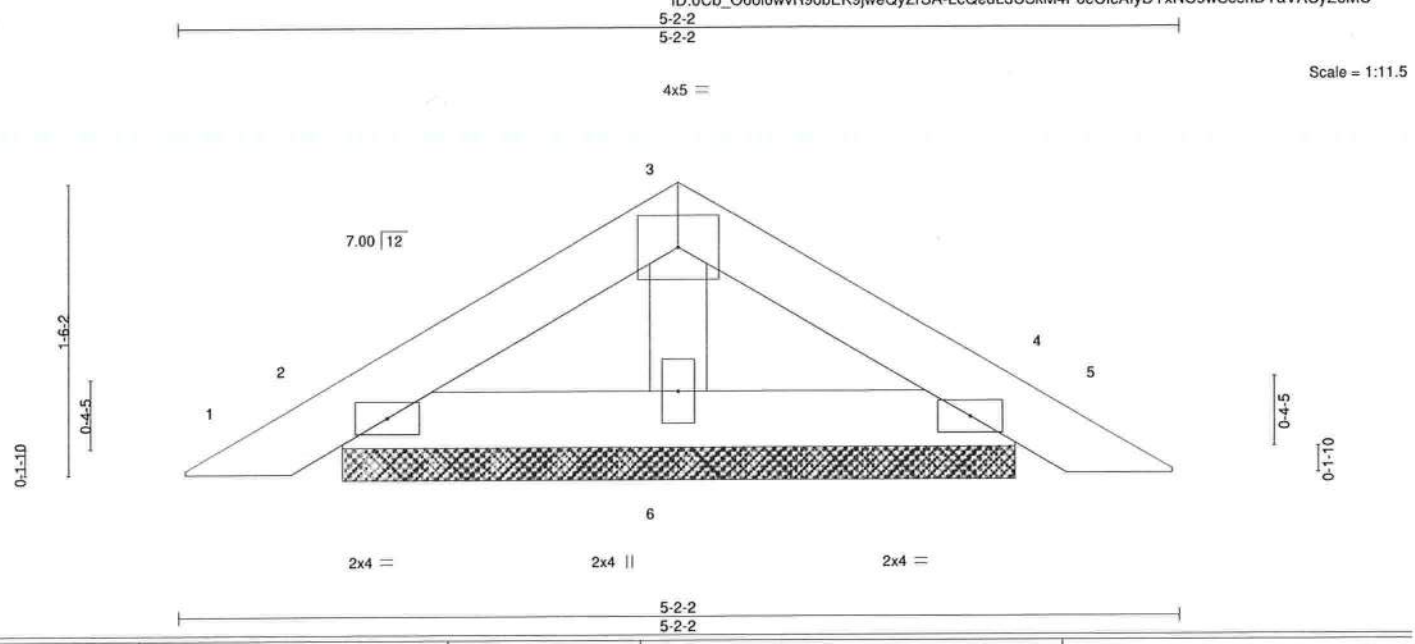
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113738
4190167	PB02G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:03 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-LcQedL3CSkM4P6eCIcAlyDYxNC9wScehDYaVACyZoMU



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	4	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.00	4	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 15 lb	FT = 20%

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

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

REACTIONS. (size) 2=3-5-13, 4=3-5-13, 6=3-5-13
Max Horz 2=-42(LC 10)
Max Uplift 2=-57(LC 12), 4=-63(LC 13), 6=-22(LC 12)
Max Grav 2=100(LC 1), 4=100(LC 20), 6=116(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4, 6.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113739
4190167	T01	Attic	10	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:04 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-po_1rh4qD2Ux1GCOsJhXVR5wMcNBByjrRCK3ieyZoMT

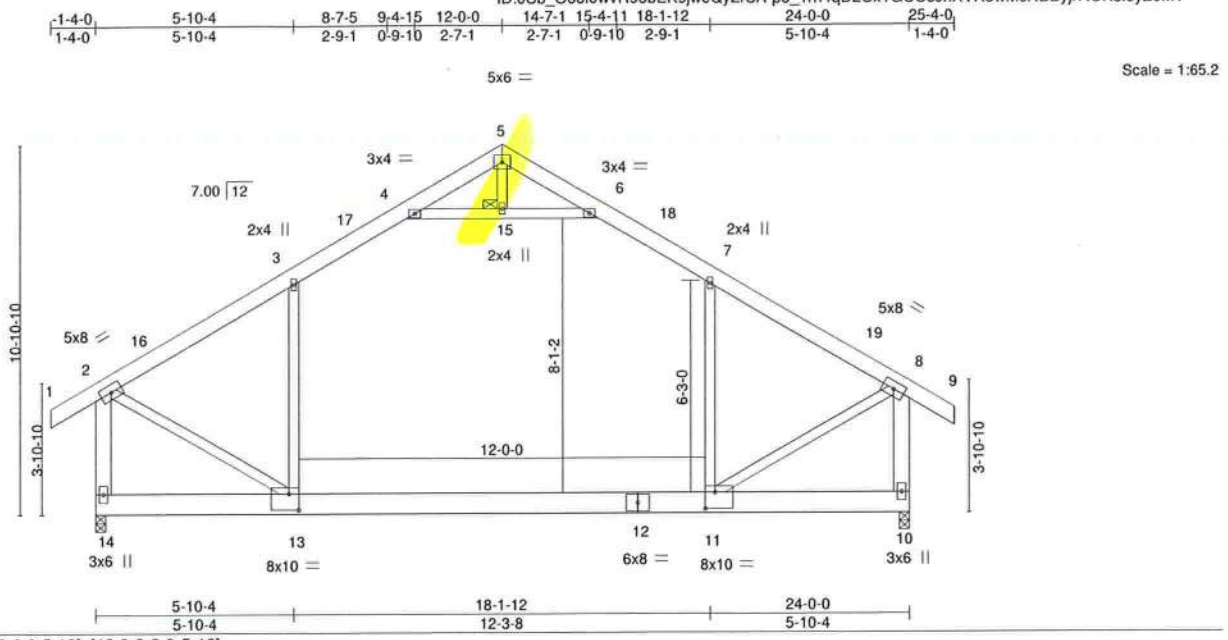

Plate Offsets (X,Y)-- [11:0-3-8,0-5-12], [13:0-3-8,0-5-12]

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	0.90	Vert(LL)	-0.29	11-13	>968	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.46	11-13	>614	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(CT)	0.01	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Attic	-0.20	11-13	726	360	Weight: 208 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-14,8-10: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 15

REACTIONS. (size) 14=0-3-8, 10=0-3-8
Max Horz 14=-248(LC 10)
Max Uplift 14=-184(LC 12), 10=-184(LC 13)
Max Grav 14=1494(LC 20), 10=1494(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1406/141, 3-4=-1107/245, 4-5=-80/320, 5-6=-80/320, 6-7=-1107/245, 7-8=-1406/141, 2-14=-1577/228, 8-10=-1577/228
BOT CHORD 13-14=-253/312, 11-13=-53/1141
WEBS 7-11=-108/437, 3-13=-108/437, 4-15=-1323/184, 6-15=-1323/184, 2-13=-61/1290, 8-11=-62/1291

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 25-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-15, 6-15; Wall dead load (5.0psf) on member(s).7-11, 3-13
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 11-13
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=184, 10=184.
9) Attic room checked for L/360 deflection.

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Date:
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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113740
4190167	T01G	GABLE	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:04 2024 Page 1
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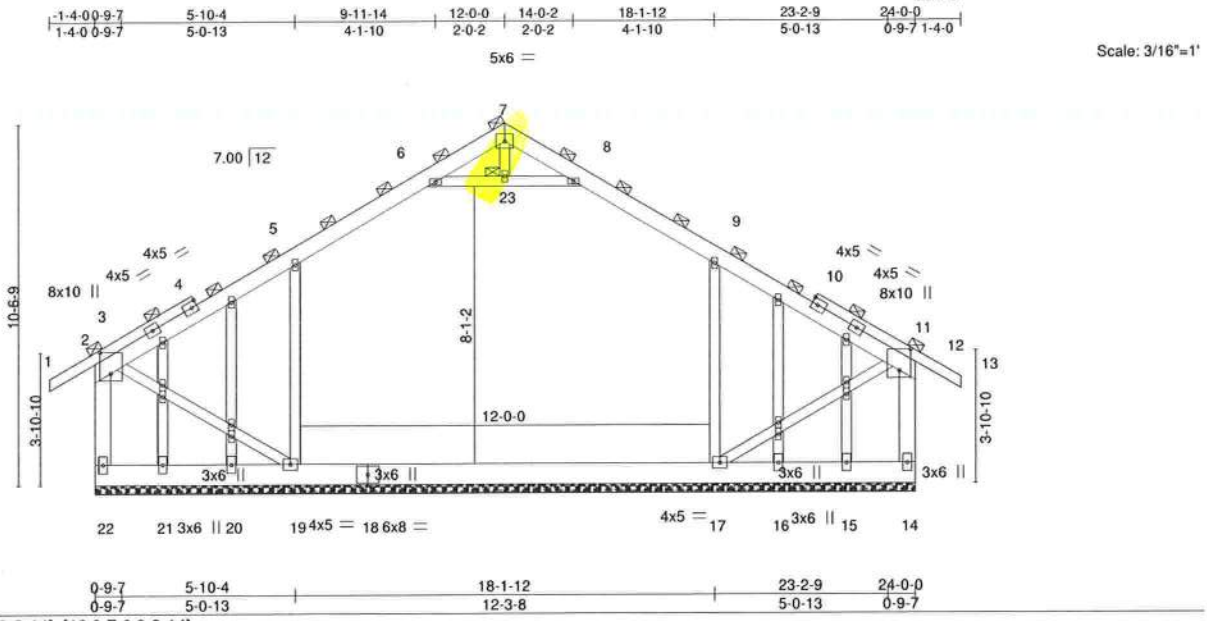

Plate Offsets (X,Y)-- [2:0-7-6,0-3-14], [12:0-7-6,0-3-14]

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	0.18	Vert(LL)	-0.00	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	0.00	12-13	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.00	14	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 235 lb	FT = 20%

LUMBER-

TOP CHORD	2x6 SP No.2 *Except* 1-4,10-13: 2x4 SP No.2
BOT CHORD	2x8 SP 2400F 2.0E
WEBS	2x4 SP No.3 *Except* 2-22,12-14: 2x6 SP No.2
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.
JOINTS	1 Brace at Jt(s): 2, 7, 12, 23

REACTIONS. All bearings 24-0-0.
(lb) - Max Horz 22=-391(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 22=-118(LC 13), 19=-227(LC 12), 17=-227(LC 13), 14=-118(LC 12), 16=-498(LC 18), 20=-498(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 15, 21 except 22=655(LC 1), 19=1107(LC 20), 17=1104(LC 21), 14=655(LC 1)

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

TOP CHORD	2-3=-301/157, 3-5=-468/120, 5-6=-515/260, 8-9=-515/259, 9-11=-468/120, 11-12=-301/161, 2-22=-624/245, 12-14=-624/241
BOT CHORD	21-22=-351/336, 20-21=-351/336, 19-20=-351/336, 17-19=-99/434
WEBS	5-19=-485/250, 9-17=-483/250, 3-19=-78/459, 11-17=-76/458

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=20ft; 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) 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, with BCDL = 10.0psf.
10) Ceiling dead load (5.0 psf) on member(s). 5-6, 8-9, 6-23, 8-23; Wall dead load (5.0psf) on member(s).5-19, 9-17
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 118 lb uplift at joint 22, 227 lb uplift at joint 19, 227 lb uplift at joint 17, 118 lb uplift at joint 14, 498 lb uplift at joint 16 and 498 lb uplift at joint 20.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) Attic room checked for L/360 deflection.

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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113741
4190167	T02	Attic	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:05 2024 Page 1
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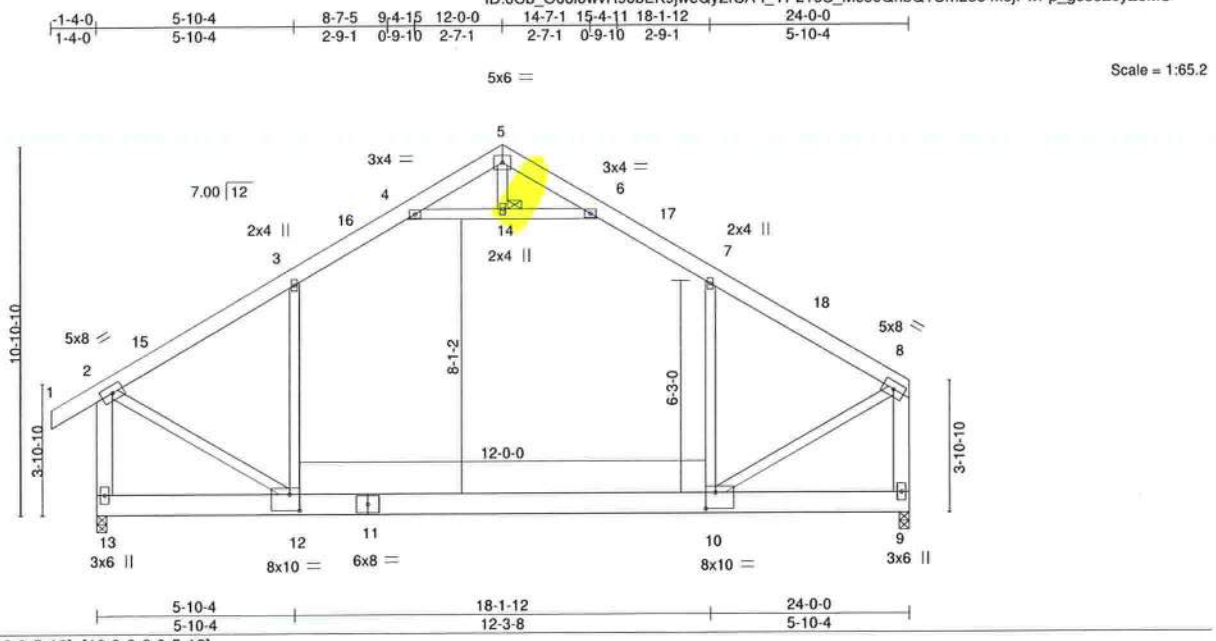

Plate Offsets (X,Y)-- [10:0-3-8,0-5-12], [12:0-3-8,0-5-12]

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	0.91	Vert(LL)	-0.29	10-12	>965	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.46	10-12	>611	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Attic	-0.20	10-12	726	360	Weight: 205 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3 *Except*
2-13,8-9: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 14

REACTIONS. (size) 13=0-3-8, 9=0-3-8
Max Horz 13=399(LC 11)
Max Uplift 13=-193(LC 12), 9=-144(LC 13)
Max Grav 13=1488(LC 20), 9=1402(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1417/142, 3-4=-1116/250, 4-5=-74/324, 5-6=-75/323, 6-7=-1119/252, 7-8=-1412/141, 2-13=-1598/261, 8-9=-1542/181
BOT CHORD 12-13=-382/395, 10-12=-133/1170
WEBS 7-10=-122/424, 3-12=-106/439, 4-14=-1332/195, 6-14=-1332/195, 2-12=-13/1321, 8-10=-64/1322

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 12-0-0, Zone2 12-0-0 to 16-2-15, Zone1 16-2-15 to 23-9-4 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 6-7, 4-14, 6-14; Wall dead load (5.0psf) on member(s).7-10, 3-12
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-12
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 13 and 144 lb uplift at joint 9.
9) Attic room checked for L/360 deflection.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113742
4190167	T03	Roof Special	3	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:05 2024 Page 1
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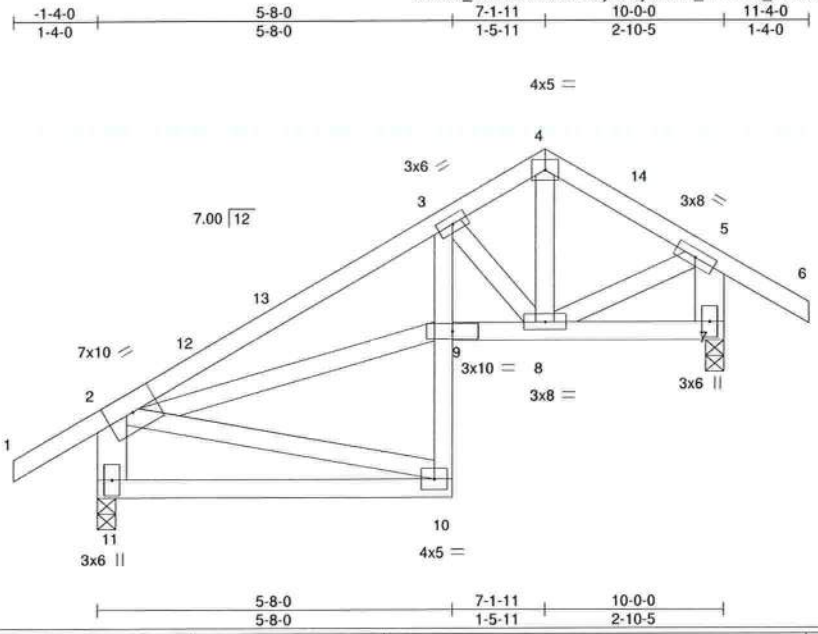

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	-0.03	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.06	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.02	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 73 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
3-10: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-11,5-7: 2x6 SP No.2

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

REACTIONS. (size) 11=0-3-8, 7=0-3-8
Max Horz 11=183(LC 9)
Max Uplift 11=-184(LC 12), 7=-171(LC 13)
Max Grav 11=437(LC 1), 7=437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-641/458, 3-4=-348/297, 4-5=-328/267, 2-11=-384/448, 5-7=-417/473
BOT CHORD 10-11=-244/268, 8-9=-350/559
WEBS 4-8=-219/268, 3-8=-418/386, 2-9=-386/563, 5-8=-156/298

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 7-1-11, Zone3 7-1-11 to 11-4-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 184 lb uplift at joint 11 and 171 lb uplift at joint 7.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113743
4190167	T04	Common	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:06 2024 Page 1
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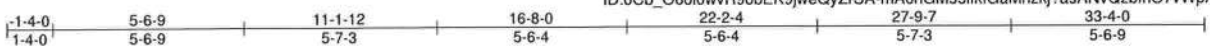

Scale: 3/16"=1'

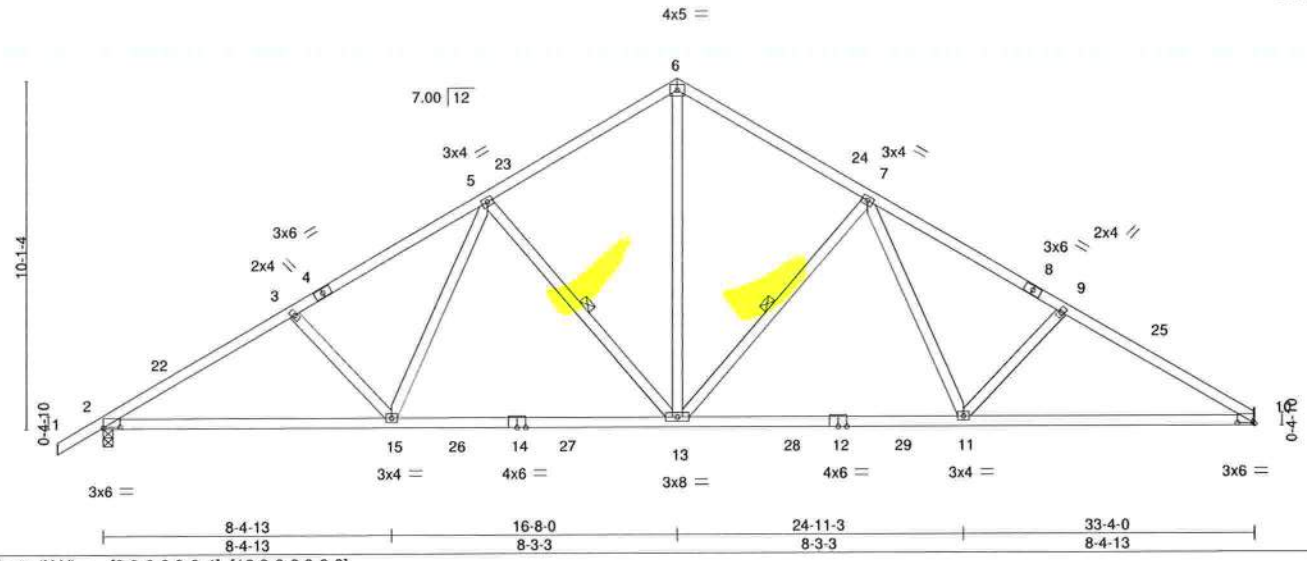

Plate Offsets (X,Y)-- [2:0-6-0,0-0-4], [10:0-6-0,0-0-3]

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	0.38	Vert(LL)	-0.20	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.86	Vert(CT)	-0.34	13-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 181 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-7-3 oc bracing.
WEBS 1 Row at midpt 7-13, 5-13

REACTIONS. (size) 2=0-3-8, 10=Mechanical
Max Horz 2=326(LC 9)
Max Uplift 2=-516(LC 12), 10=-469(LC 13)
Max Grav 2=1526(LC 19), 10=1454(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2379/777, 3-5=-2212/743, 5-6=-1514/614, 6-7=-1513/618, 7-9=-2222/753, 9-10=-2391/787
BOT CHORD 2-15=-791/2240, 13-15=-535/1788, 11-13=-386/1624, 10-11=-593/2020
WEBS 6-13=-431/1210, 7-13=-704/421, 7-11=-183/623, 9-11=-327/287, 5-13=-699/418, 5-15=-175/613, 3-15=-319/280

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 2-0-0, Zone1 2-0-0 to 16-8-0, Zone2 16-8-0 to 21-4-9, Zone1 21-4-9 to 33-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 516 lb uplift at joint 2 and 469 lb uplift at joint 10.

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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113744
4190167	T04G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:07 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-ENf9Ti6jWzsWukxzXSFE73jcqpWcOPBH7AYjJzyZoMQ

-1-4-0 / 1-4-0 | 16-8-0 / 16-8-0 | 33-4-0 / 16-8-0

Scale = 1:63.1

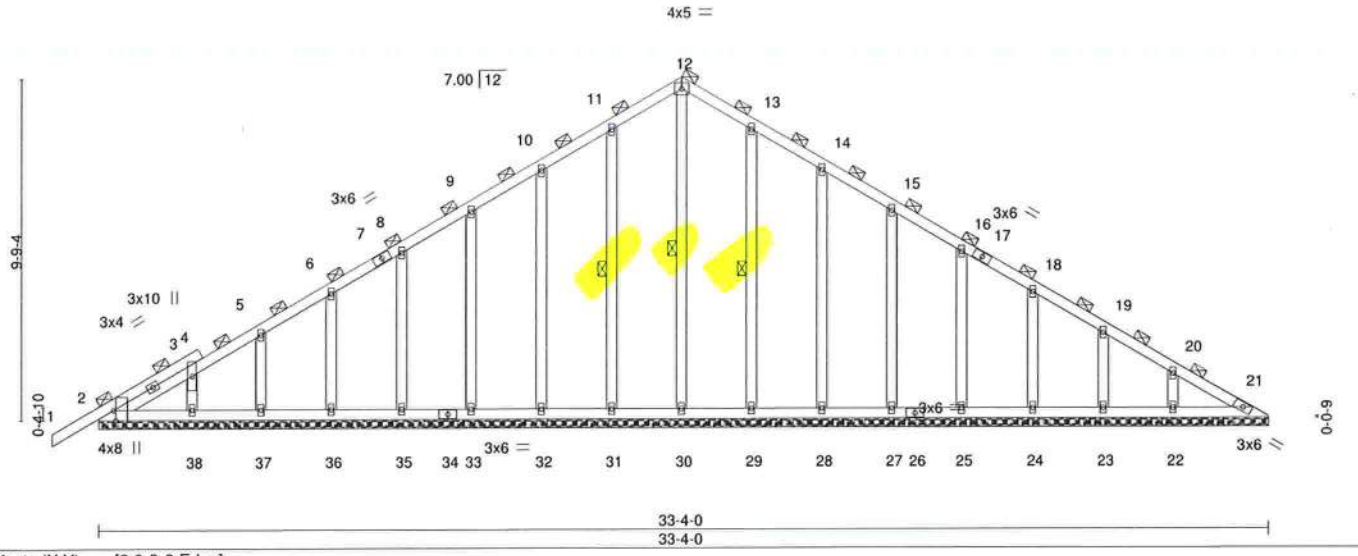

Plate Offsets (X,Y)-- [2:0-3-8,Edge]

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	0.11	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.01	21	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 221 lb	FT = 20%

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

BRACING-
TOP CHORD 2-0-0 oc purlins (6-0-0 max.).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-30, 11-31, 13-29

REACTIONS. All bearings 33-4-0.
(lb) - Max Horz 2=316(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 2, 30, 37, 29, 23, 21 except 31=-101(LC 12), 32=-108(LC 12), 33=-104(LC 12), 35=-104(LC 12), 36=-108(LC 12), 38=-106(LC 12), 28=-110(LC 13), 27=-104(LC 13), 25=-105(LC 13), 24=-106(LC 13), 22=-126(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 30, 31, 32, 33, 35, 36, 37, 38, 29, 28, 27, 25, 24, 23, 22, 21

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-273/227, 10-11=-145/258, 11-12=-179/292, 12-13=-179/292

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 30, 37, 29, 23, 21 except (jt=lb) 31=101, 32=108, 33=104, 35=104, 36=108, 38=106, 28=110, 27=104, 25=105, 24=106, 22=126.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.
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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September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113745
4190167	T05	Roof Special	5	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:08 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-iZDXh27LGH_NVtW959mTfHGhlDd?7hBQMqIGrPyZoMP

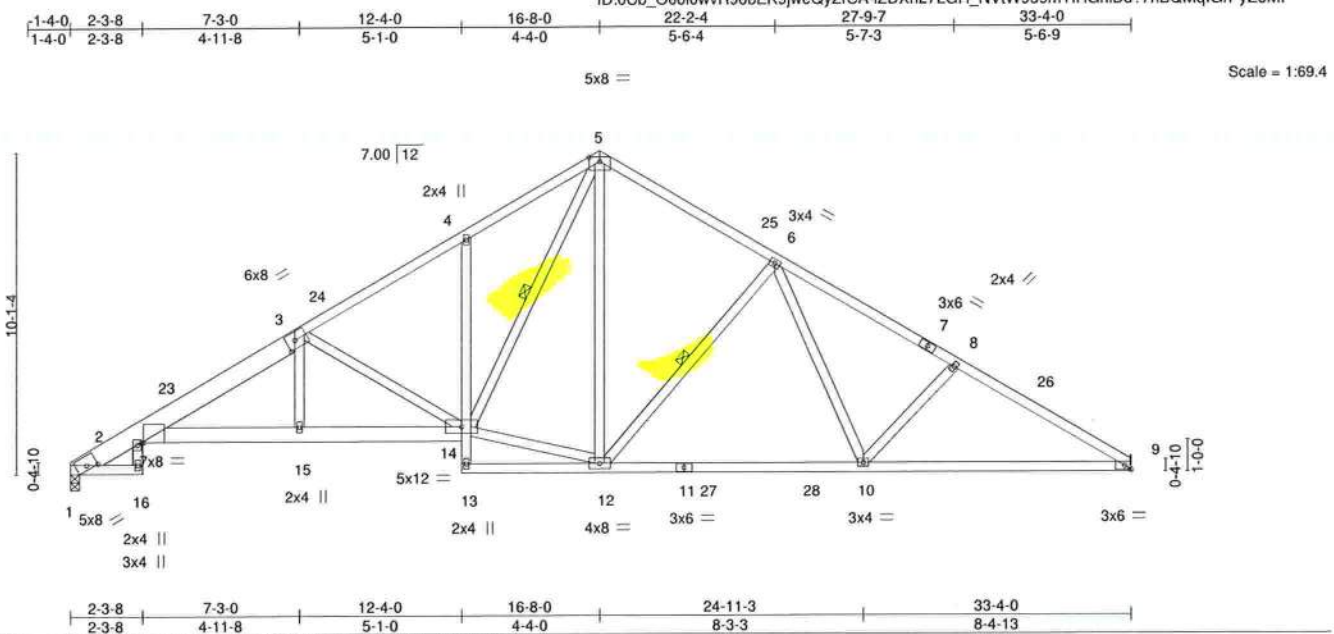

Plate Offsets (X,Y)-- [1:0-4-0,0-1-11], [2:0-0-11,0-0-0], [3:0-3-4,0-3-0], [9:0-2-8,Edge]

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	0.49	Vert(LL)	-0.25	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.43	10-12	>933	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 216 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
1-3: 2x8 SP 2400F 2.0E
BOT CHORD 2x4 SP No.2 *Except*
2-14: 2x6 SP No.2, 4-13: 2x4 SP No.3
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS. (size) 1=0-3-8, 9=Mechanical
Max Horz 1=312(LC 9)
Max Uplift 1=-465(LC 12), 9=-468(LC 13)
Max Grav 1=1425(LC 19), 9=1433(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-19=-902/386, 2-3=-2927/965, 3-4=-2077/730, 4-5=-2092/877, 5-6=-1468/619, 6-8=-2183/750, 8-9=-2352/785
BOT CHORD 2-15=-969/2836, 14-15=-971/2855, 4-14=-280/280, 10-12=-389/1587, 9-10=-591/1986
WEBS 3-15=-51/422, 3-14=-1116/503, 12-14=-226/1238, 5-14=-613/1351, 5-12=-271/564, 6-12=-711/421, 6-10=-182/634, 8-10=-325/286

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-5-12, Zone1 3-5-12 to 16-8-0, Zone2 16-8-0 to 21-4-9, Zone1 21-4-9 to 33-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=465, 9=468.

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Date:
September 27,2024

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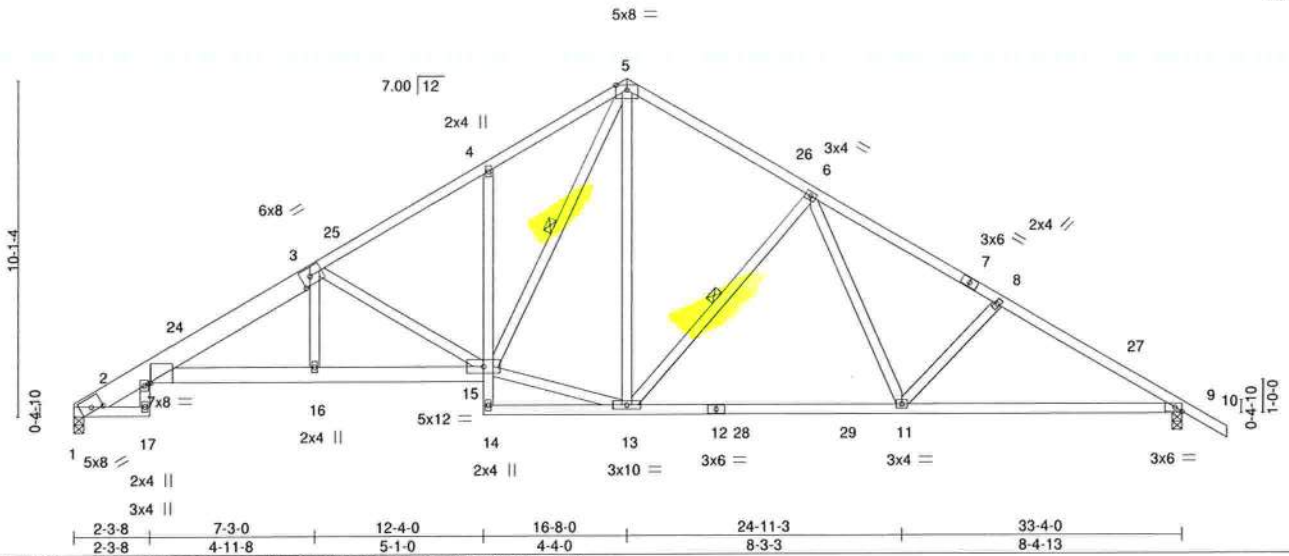
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113746
4190167	T06	ROOF SPECIAL	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:08 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-iZDXh27LGH_NVtW959mTfHGhlDd07h9QMqlGrPyZoMP

2-3-8	7-3-0	12-4-0	16-8-0	22-2-4	27-9-7	33-4-0	34-8-0
2-3-8	4-11-8	5-1-0	4-4-0	5-6-4	5-7-3	5-6-9	1-4-0

Scale = 1:66.5



2-3-8	7-3-0	12-4-0	16-8-0	24-11-3	33-4-0
2-3-8	4-11-8	5-1-0	4-4-0	8-3-3	8-4-13

Plate Offsets (X,Y)-- [1:0-4-0,0-1-11], [2:0-0-11,0-0-0], [3:0-3-4,0-3-0], [9:0-2-8,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	0.49	Vert(LL)	-0.26	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.44	11-13	>908	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.21	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 218 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2 *Except*
	1-3: 2x8 SP 2400F 2.0E
BOT CHORD	2x4 SP No.2 *Except*
	2-15: 2x6 SP No.2, 4-14: 2x4 SP No.3
WEBS	2x4 SP No.3

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 3-7-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS	1 Row at midpt 5-15, 6-13

REACTIONS. (size) 1=0-3-8, 9=0-3-8
Max Horz 1=-327(LC 10)
Max Uplift 1=-464(LC 12), 9=-515(LC 13)
Max Grav 1=1424(LC 19), 9=1504(LC 20)

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

TOP CHORD	2-20=-906/412, 2-3=-2930/958, 3-4=-2078/723, 4-5=-2093/873, 5-6=-1462/611, 6-8=-2173/739, 8-9=-2340/774
BOT CHORD	2-16=-945/2851, 15-16=-947/2871, 4-15=-280/280, 11-13=-368/1597, 9-11=-546/1966
WEBS	3-16=-49/423, 3-15=-1119/499, 13-15=-209/1252, 5-15=-608/1359, 5-13=-275/558, 6-13=-709/418, 6-11=-173/627, 8-11=-318/280

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-5-12, Zone1 3-5-12 to 16-8-0, Zone2 16-8-0 to 21-4-9, Zone1 21-4-9 to 34-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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) 1=464, 9=515.

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Date:
September 27,2024

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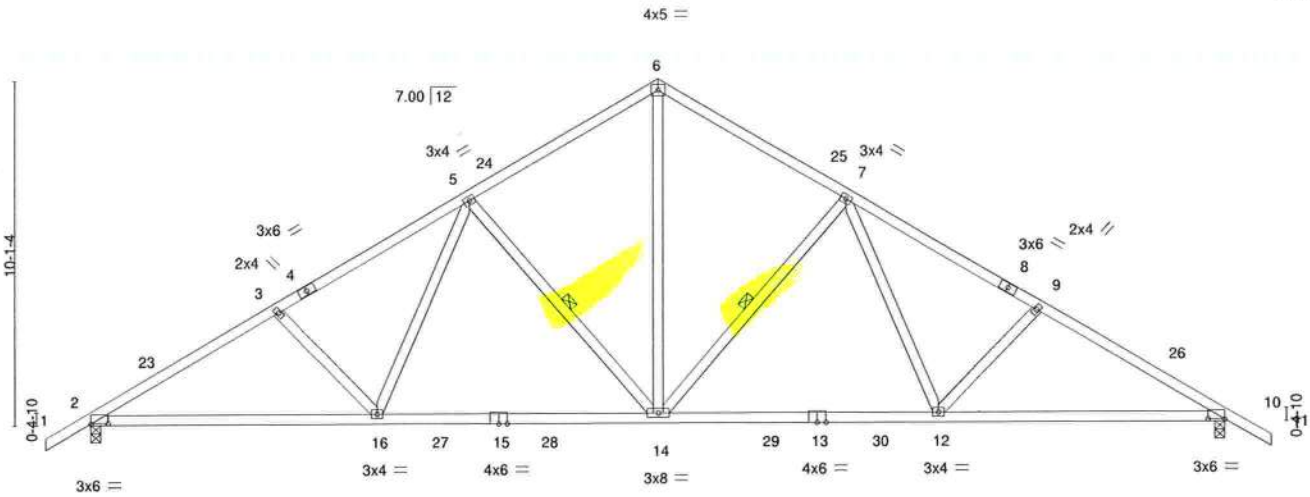
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113747
4190167	T07	Common	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:09 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-AlnwuO8z1a6E715MftHiCUou9d?Vs8IabU1qNsyZoMO

-1-4-0	5-6-9	11-1-12	16-8-0	22-2-4	27-9-7	33-4-0	34-8-0
1-4-0	5-6-9	5-7-3	5-6-4	5-6-4	5-7-3	5-6-9	1-4-0

Scale = 1:64.9



8-4-13	16-8-0	24-11-3	33-4-0
8-4-13	8-3-3	8-3-3	8-4-13

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

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	0.38	Vert(LL)	-0.20	14-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.34	14-16	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.79	Horz(CT)	0.09	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 183 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-7-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-1 oc bracing.
WEBS 1 Row at midpt 7-14, 5-14

REACTIONS. (size) 2=0-3-8, 10=0-3-8
Max Horz 2=-335(LC 10)
Max Uplift 2=-516(LC 12), 10=-516(LC 13)
Max Grav 2=1525(LC 19), 10=1525(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2378/776, 3-5=-2211/742, 5-6=-1512/612, 6-7=-1511/612, 7-9=-2211/742, 9-10=-2378/777
BOT CHORD 2-16=-773/2251, 14-16=-517/1800, 12-14=-368/1634, 10-12=-548/2000
WEBS 6-14=-426/1208, 7-14=-700/418, 7-12=-175/614, 9-12=-319/281, 5-14=-699/418, 5-16=-175/613, 3-16=-319/280

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 2-0-0, Zone1 2-0-0 to 16-8-0, Zone2 16-8-0 to 21-4-9, Zone1 21-4-9 to 34-8-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=516, 10=516.

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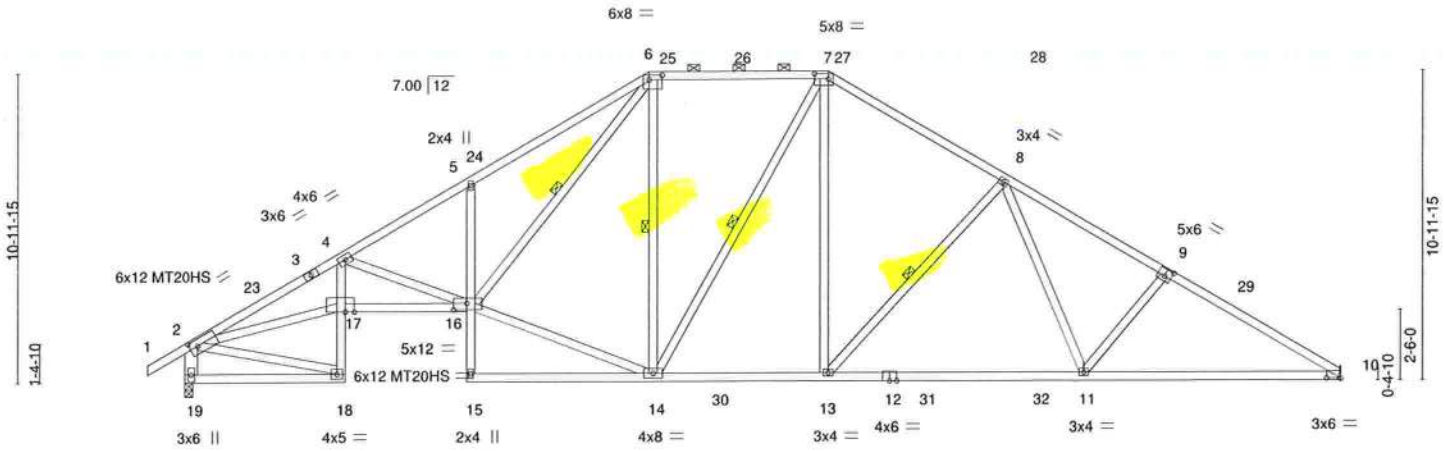
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113748
4190167	T08	Piggyback Base	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:10 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-eyLI5k9bouE5lBgYCaoxliLzx1JsbZHjq8nNwlyZoMN

1-4-0	5-8-0	10-0-0	16-5-11	22-9-11	29-0-4	34-9-0	41-0-0
1-4-0	5-8-0	4-4-0	6-5-11	6-4-0	6-2-9	5-8-12	6-3-0

Scale = 1:78.5



5-8-0	10-0-0	16-5-11	22-9-11	31-10-13	41-0-0
5-8-0	4-4-0	6-5-11	6-4-0	9-1-2	9-1-3

Plate Offsets (X,Y)-- [2:0-3-6,0-2-12], [6:0-5-8,0-2-0], [7:0-6-0,0-2-4], [9:0-3-0,0-3-0], [10:0-6-0,0-0-3], [16:0-5-8,0-2-12], [17:0-4-0,0-0-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.76	Vert(LL)	-0.38	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.65	11-13	>751	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.42	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 278 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 *Except*
3-6,7-9: 2x4 SP No.1
BOT CHORD 2x4 SP No.2 *Except*
16-17,10-12: 2x4 SP No.1, 5-15: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
2-19: 2x6 SP No.2, 2-17: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-0-3 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 4-9-15 oc bracing.
WEBS 1 Row at midpt 6-16, 6-14, 7-14, 8-13

REACTIONS. (size) 19=0-3-8, 10=Mechanical
Max Horz 19=-370(LC 10)
Max Uplift 19=-626(LC 12), 10=-592(LC 13)
Max Grav 19=1751(LC 19), 10=1722(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-5159/1856, 4-5=-3329/1200, 5-6=-3416/1408, 6-7=-1563/738, 7-8=-1955/792, 8-9=-2709/987, 9-10=-2872/1006, 2-19=-1666/665
BOT CHORD 18-19=-361/422, 4-17=-432/1352, 16-17=-1707/4747, 5-16=-394/362, 13-14=-337/1634, 11-13=-545/2046, 10-11=-768/2432
WEBS 4-16=-1833/768, 14-16=-423/1662, 6-16=-960/2316, 6-14=-397/319, 7-14=-283/196, 7-13=-291/928, 8-13=-797/459, 8-11=-204/709, 9-11=-337/301, 2-18=-357/341, 2-17=-1688/4599

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 2-9-3, Zone1 2-9-3 to 16-5-11, Zone2 16-5-11 to 22-3-5, Zone1 22-3-5 to 22-9-11, Zone2 22-9-11 to 28-7-5, Zone1 28-7-5 to 41-0-0 zone; end vertical 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) All plates are MT20 plates unless otherwise indicated.
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) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 19=626, 10=592.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113749
4190167	T08G	GABLE I Gable I Gable COMMON I I Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:12 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-aKT2WQArKVUo_VqxK?qPq7QLvq9H3b?0HSGU_ByZoML

1-4-0	5-8-0	9-8-8	17-0-10	22-2-12	29-0-4	34-9-0	41-0-0
1-4-0	5-8-0	4-0-8	7-4-2	5-2-2	6-9-8	5-8-12	6-3-0

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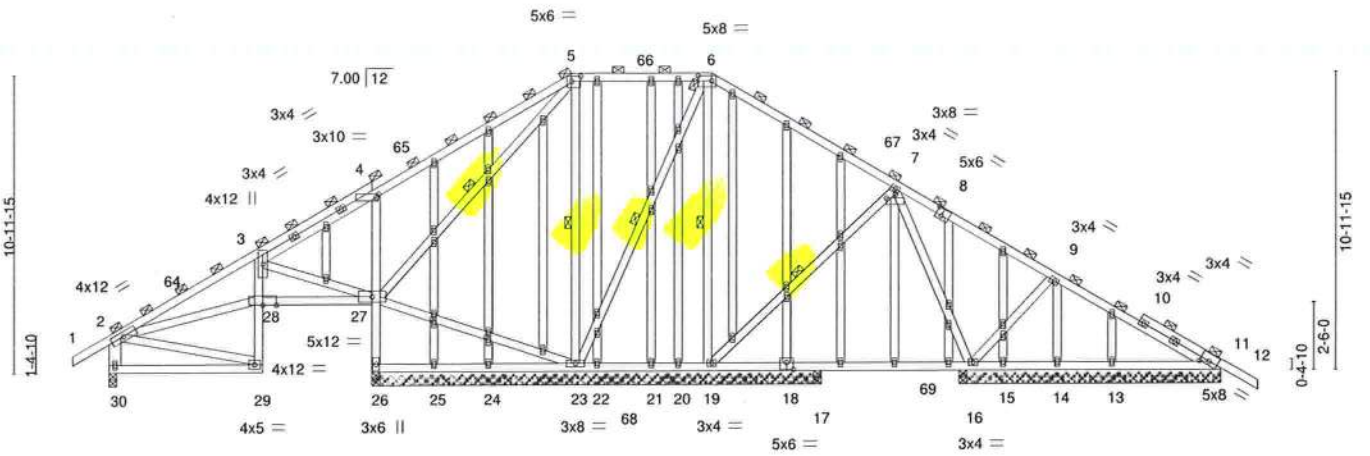

5-8-0	9-8-8	17-0-10	18-0-0	22-2-12	26-3-8	31-8-0	31-10-13	41-0-0
5-8-0	4-0-8	7-4-2	0-11-6	4-2-12	4-0-12	5-4-8	0-2-13	9-1-3

Plate Offsets (X,Y)-- [4:0-1-0,0-1-8], [5:0-4-0,0-2-4], [6:0-6-0,0-2-4], [7:0-4-0,0-1-10], [8:0-2-8,0-3-4], [11:0-4-1,0-1-12], [18:0-3-0,0-3-0], [51:0-1-11,0-1-0], [54:0-1-11,0-1-0]

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	0.60	Vert(LL)	-0.04	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.06	29-30	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.40	Horz(CT)	0.02	61	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 444 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 3-29,4-26: 2x4 SP No.3
WEBS	2x4 SP No.3 *Except* 2-30: 2x6 SP No.2
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 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 29-30,28-29,27-28 5-11-4 oc bracing: 26-27.
WEBS	1 Row at midpt 5-27, 5-23, 6-23, 6-19, 7-19

REACTIONS. All bearings 16-7-0 except (jt=length) 30=0-3-8, 16=9-7-8, 16=9-7-8, 11=9-7-8, 13=9-7-8, 14=9-7-8, 15=9-7-8, 17=0-3-8, 11=9-7-8.
(lb) - Max Horz 30=-386(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 13, 14, 15, 20 except 30=-207(LC 13), 26=-482(LC 12), 23=-239(LC 12), 19=-180(LC 13), 16=-461(LC 13), 11=-145(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 13, 14, 20, 25, 24, 22, 21 except 30=405(LC 20), 26=905(LC 19), 26=663(LC 1), 23=545(LC 1), 19=339(LC 20), 16=828(LC 20), 16=650(LC 1), 11=290(LC 20), 17=270(LC 18), 11=269(LC 1)

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

TOP CHORD	2-3=-306/79, 3-4=-263/556, 4-5=-139/491, 5-6=-56/288, 6-7=-77/278, 2-30=-307/242
BOT CHORD	29-30=-342/420, 3-28=-99/332, 27-28=-191/390, 26-27=-874/489, 4-27=-457/413, 22-23=-152/264, 21-22=-152/264, 20-21=-152/264, 19-20=-152/264
WEBS	3-27=-649/291, 23-27=-194/289, 5-23=-319/188, 7-16=-396/311, 9-16=-314/286, 2-29=-412/347, 2-28=-206/371

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 2-9-3, Zone1 2-9-3 to 17-0-10, Zone3 17-0-10 to 22-2-12, Zone2 22-2-12 to 28-0-5, Zone1 28-0-5 to 42-4-0 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.

Continued on page 2

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Date:
September 27,2024

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NOTES-

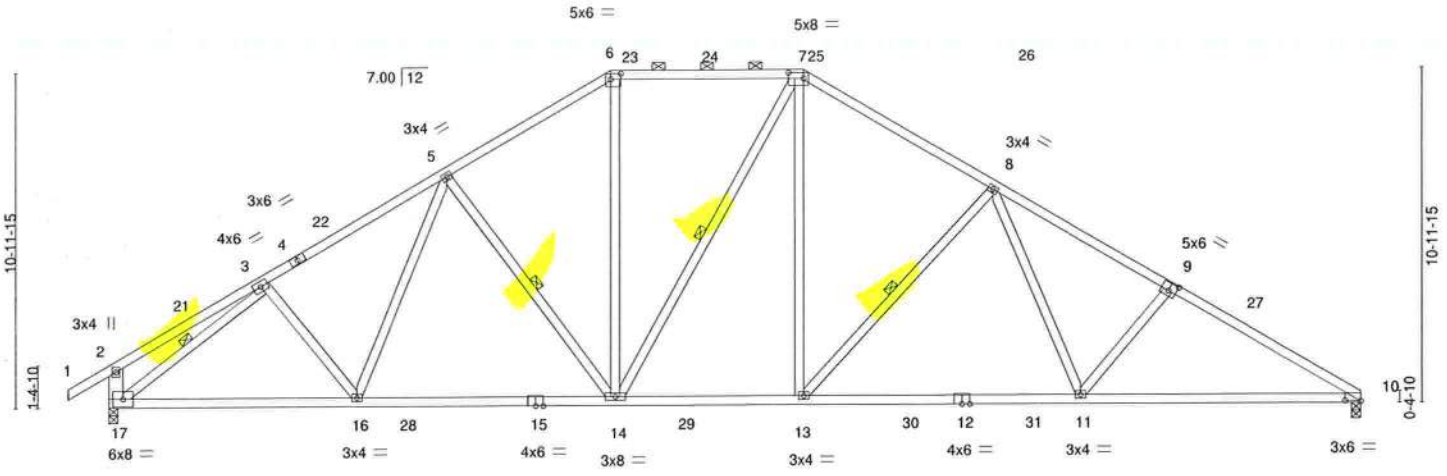
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13, 14, 15, 20 except (jt=lb) 30=207, 26=482, 23=239, 19=180, 16=461, 11=145, 11=145.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113750
4190167	T09	Piggyback Base	4	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:12 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-3X1QkmBU5pcfcfO7uiLeMKzWFEL4o_R9W6?1WeyZoMK

1-4-0	5-1-5	11-1-7	16-5-11	22-9-11	29-0-4	34-9-0	41-0-0
1-4-0	5-1-5	6-0-3	5-4-4	6-4-0	6-2-8	5-8-12	6-3-0

Scale = 1:72.5



8-1-10	16-5-11	22-9-11	31-10-13	41-0-0
8-1-10	8-4-1	6-4-0	9-1-2	9-1-3

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

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	0.63	Vert(LL)	-0.33	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.55	11-13	>886	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.65	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 256 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-12: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
2-17: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-7 oc purlins, except end verticals, and 2-0-0 oc purlins (3-10-4 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-14, 8-13, 3-17

REACTIONS. (size) 17=0-3-8, 10=0-3-8
Max Horz 17=-370(LC 10)
Max Uplift 17=-626(LC 12), 10=-592(LC 13)
Max Grav 17=1796(LC 19), 10=1740(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-283/168, 3-5=-2276/812, 5-6=-1921/786, 6-7=-1609/736, 7-8=-1990/792, 8-9=-2745/986, 9-10=-2909/1005, 2-17=-338/237
BOT CHORD 16-17=-741/2018, 14-16=-609/1950, 13-14=-337/1664, 11-13=-545/2077, 10-11=-767/2463
WEBS 3-16=-76/254, 5-16=-79/313, 5-14=-544/367, 6-14=-231/744, 7-14=-250/195, 7-13=-292/914, 8-13=-798/458, 8-11=-204/711, 9-11=-335/301, 3-17=-2160/668

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 2-9-3, Zone1 2-9-3 to 16-5-11, Zone2 16-5-11 to 22-3-5, Zone1 22-3-5 to 22-9-11, Zone2 22-9-11 to 28-7-5, Zone1 28-7-5 to 41-0-0 zone; end vertical 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) 17=626, 10=592.
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:
September 27,2024

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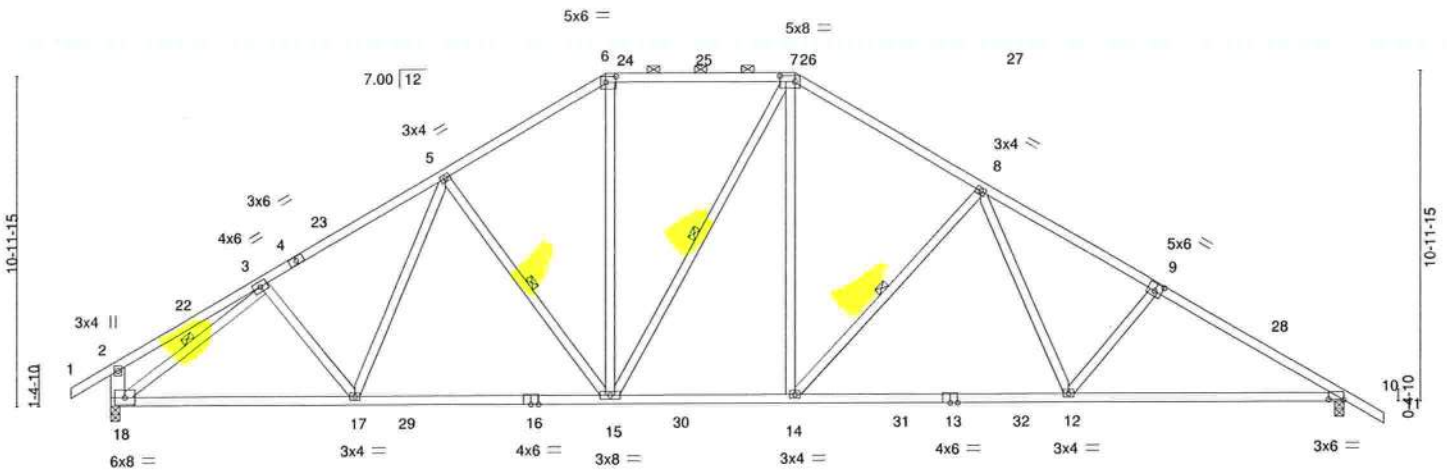
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113751
4190167	T10	Piggyback Base	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:13 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-3X1QkmBU5pcfcfO7uiLeMKzWFEL4o_U9W6?1WdyZoMK

1-4-0	5-1-5	11-1-7	16-5-11	22-9-11	29-0-4	34-9-0	41-0-0	42-4-0
1-4-0	5-1-5	6-0-3	5-4-4	6-4-0	6-2-8	5-8-12	6-3-0	1-4-0

Scale = 1:73.6



8-1-10	16-5-11	22-9-11	31-10-13	41-0-0
8-1-10	8-4-1	6-4-0	9-1-2	9-1-3

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

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	0.63	Vert(LL)	-0.33	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.94	Vert(CT)	-0.56	12-14	>880	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.12	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 258 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
10-13: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
2-18: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-4 oc purlins, except end verticals, and 2-0-0 oc purlins (3-10-4 max.): 6-7.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-15, 7-15, 8-14, 3-18

REACTIONS. (size) 18=0-3-8, 10=0-3-8
Max Horz 18=-387(LC 10)
Max Uplift 18=-625(LC 12), 10=-638(LC 13)
Max Grav 18=1796(LC 19), 10=1811(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-283/167, 3-5=-2274/811, 5-6=-1919/780, 6-7=-1608/731, 7-8=-1988/786, 8-9=-2735/977, 9-10=-2910/995, 2-18=-338/236
BOT CHORD 17-18=-724/2030, 15-17=-592/1961, 14-15=-320/1662, 12-14=-518/2073, 10-12=-724/2453
WEBS 3-17=-76/254, 5-17=-79/313, 5-15=-544/367, 6-15=-230/743, 7-14=-290/912, 8-14=-794/455, 8-12=-196/702, 9-12=-329/296, 3-18=-2159/667

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 2-9-3, Zone1 2-9-3 to 16-5-11, Zone2 16-5-11 to 22-3-5, Zone1 22-3-5 to 22-9-11, Zone2 22-9-11 to 28-7-5, Zone1 28-7-5 to 42-4-0 zone; end vertical 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) 18=625, 10=638.
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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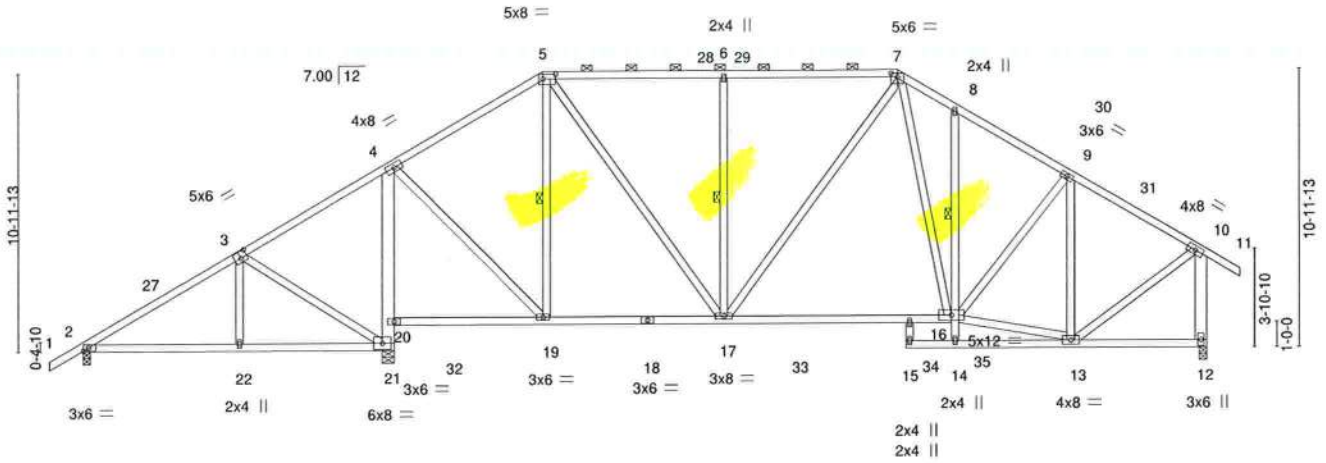
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113752
4190167	T11	Piggyback Base	12	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:14 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-XjbpxC6s7kWDozJRQttvYVhcegHXPLJkmlb33yZoMJ

1-4-0	6-2-0	12-3-8	18-2-0	25-3-12	32-2-0	34-3-8	39-0-0	44-4-0	45-8-0
1-4-0	6-2-0	6-1-8	5-10-8	7-1-12	6-10-4	2-1-8	4-8-8	5-4-0	1-4-0

Scale = 1:87.2



6-2-0	12-0-12	12-3-8	18-2-0	25-3-12	32-6-0	34-3-8	39-0-0	44-4-0
6-2-0	5-10-12	0-2-12	5-10-8	7-1-12	7-2-4	1-9-8	4-8-8	5-4-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.33	16-17	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	1.00	Vert(CT)	-0.54	16-17	>714	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 325 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
4-21: 2x6 SP No.2, 8-14: 2x4 SP No.3
WEBS 2x4 SP No.3 *Except*
10-12: 2x6 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-3 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-13 max.): 5-7.
BOT CHORD Rigid ceiling directly applied or 1-4-12 oc bracing. Except:
1 Row at midpt 8-16
10-0-0 oc bracing: 14-16
WEBS 1 Row at midpt 5-19, 6-17

REACTIONS. (size) 2=0-3-8, 12=0-3-8, 21=0-5-8
Max Horz 2=428(LC 11)
Max Uplift 2=-190(LC 8), 12=-534(LC 13), 21=-719(LC 12)
Max Grav 2=457(LC 25), 12=1418(LC 2), 21=1995(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-494/541, 3-4=-273/370, 4-5=-837/481, 5-6=-1116/590, 6-7=-1116/590, 7-8=-1353/669, 8-9=-1382/573, 9-10=-1083/457, 10-12=-1336/545
BOT CHORD 2-22=-373/369, 21-22=-374/370, 20-21=-1635/567, 4-20=-1502/581, 17-19=-253/650, 16-17=-267/1054
WEBS 3-22=-216/276, 3-21=-525/481, 4-19=-297/1102, 5-19=-528/246, 5-17=-293/805, 6-17=-439/341, 7-16=-203/588, 13-16=-275/1056, 9-16=-146/399, 9-13=-687/281, 10-13=-313/1070

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-1-3, Zone1 3-1-3 to 18-2-0, Zone2 18-2-0 to 24-5-4, Zone1 24-5-4 to 32-2-0, Zone2 32-2-0 to 38-5-4, Zone1 38-5-4 to 45-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=190, 12=534, 21=719.
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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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113753
4190167	T11D	PIGGYBACK BASE	3	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:15 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-?v8B9RCkdQtNryYW?7O6Sl2sM24nGsRSzQU8bVyZoMl

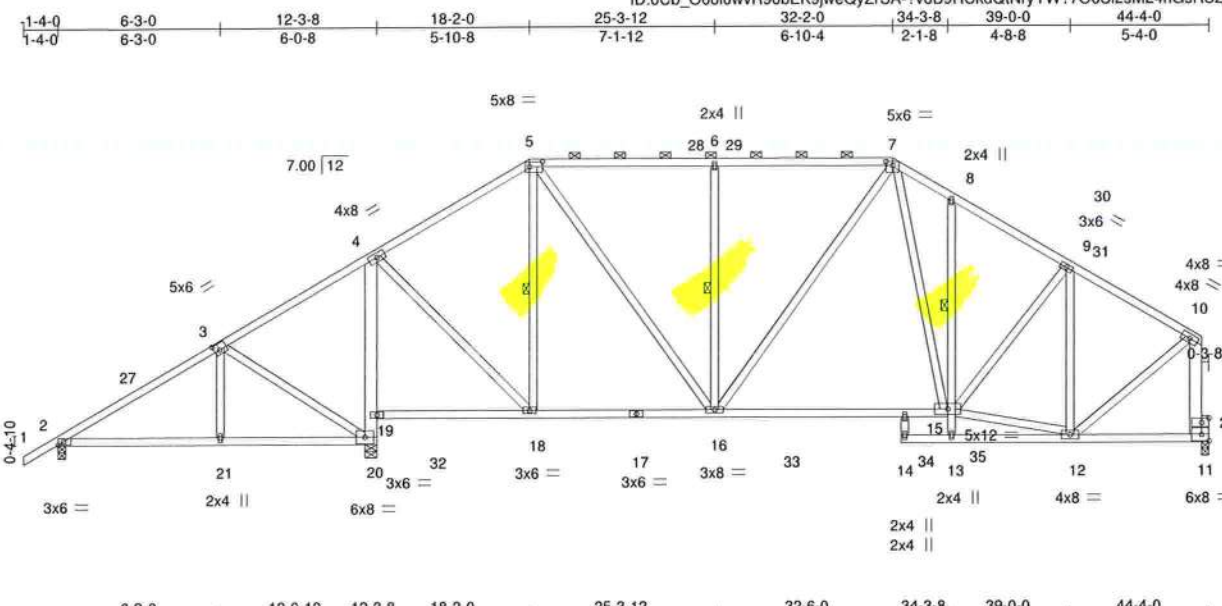

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-6-0,0-2-4], [7:0-3-0,0-1-12], [23:0-3-8,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.30	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.48	15-16	>797	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.81	Horz(CT)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 323 lb	FT = 20%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2 *Except* 4-20: 2x6 SP No.2, 8-13: 2x4 SP No.3, 15-17: 2x4 SP No.1
WEBS	2x4 SP No.3 *Except* 10-11: 2x6 SP No.2
OTHERS	2x4 SP No.2

BRACING-

TOP CHORD	Structural wood sheathing directly applied or 4-11-2 oc purlins, except end verticals, and 2-0-0 oc purlins (4-11-13 max.): 5-7.
BOT CHORD	Rigid ceiling directly applied or 5-7-10 oc bracing. Except: 1 Row at midpt 8-15, 10-0-0 oc bracing: 13-15
WEBS	1 Row at midpt 5-18, 6-16

REACTIONS. (size) 2=0-3-8, 20=0-5-8, 11=0-3-8
Max Horz 2=421(LC 11)
Max Uplift 2=-181(LC 8), 20=-729(LC 12), 11=-462(LC 13)
Max Grav 2=459(LC 27), 20=1991(LC 2), 11=1337(LC 2)

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

TOP CHORD	2-3=-491/515, 3-4=-266/353, 4-5=-839/468, 5-6=-1117/580, 6-7=-1117/580, 7-8=-1350/658, 8-9=-1380/562, 9-10=-1071/440, 10-11=-1259/478
BOT CHORD	2-21=-390/367, 20-21=-396/371, 19-20=-1631/601, 4-19=-1499/616, 16-18=-263/652, 15-16=-321/1054
WEBS	3-21=-216/276, 3-20=-529/485, 4-18=-302/1098, 5-18=-526/249, 5-16=-297/804, 6-16=-439/341, 7-15=-195/584, 12-15=-304/1053, 9-15=-150/401, 9-12=-691/302, 10-12=-322/1017

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-1-3, Zone1 3-1-3 to 18-2-0, Zone2 18-2-0 to 24-5-4, Zone1 24-5-4 to 32-2-0, Zone2 32-2-0 to 38-5-4, Zone1 38-5-4 to 43-9-12 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=181, 20=729, 11=462.
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:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113754
4190167	T11G	GABLE I Gable I Gable COMMON I I Gable	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:17 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-xIGxZ7E_92754Giu7YQaXA7EOrlEknUlRkzFfOyZoMG

1-4-0	6-3-0	12-3-8	18-8-15	25-3-12	31-7-1	34-3-8	39-0-0	44-4-0	45-8-0
1-4-0	6-3-0	6-0-8	6-5-7	6-6-13	6-3-5	2-8-7	4-8-8	5-4-0	1-4-0

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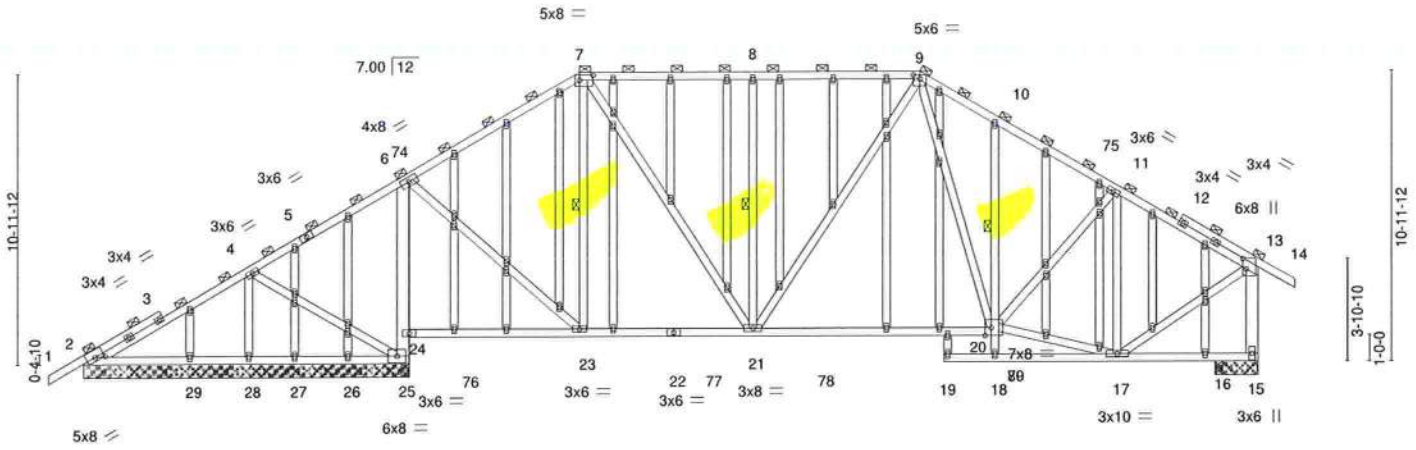

6-3-0	12-3-8	18-8-15	25-3-12	32-6-0	34-3-8	39-0-0	43-0-0	44-4-0
6-3-0	6-0-8	6-5-7	6-6-13	7-2-4	1-9-8	4-8-8	4-0-0	1-4-0

Plate Offsets (X,Y)-- [2:0-4-1,0-1-12], [7:0-6-0,0-2-4], [9:0-3-0,0-1-12], [13:0-4-12,0-1-8], [20:0-2-12,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	0.49	Vert(LL)	-0.30	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.50	20-21	>745	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.71	Horz(CT)	0.03	15	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 491 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
6-25: 2x6 SP No.2, 10-18: 2x4 SP No.3, 20-22: 2x4 SP No.1
WEBS 2x4 SP No.3 *Except*
13-15: 2x6 SP No.2, 19-30: 2x4 SP No.2
OTHERS 2x4 SP No.3

BRACING-
TOP CHORD 2-0-0 oc purlins (4-10-2 max.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-8-8 oc bracing. Except:
1 Row at midpt 10-20
10-0-0 oc bracing: 18-20
WEBS 1 Row at midpt 7-23, 8-21

REACTIONS. All bearings 12-3-8 except (jt=length) 15=1-7-8, 16=0-3-8.
(lb) - Max Horz 2=423(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 29, 27, 26, 16 except 2=-130(LC 8), 15=-533(LC 13), 28=-265(LC 12), 25=-560(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 29, 27, 26, 16, 2 except 15=1247(LC 2), 28=318(LC 25), 25=1664(LC 2), 25=1437(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-305/353, 4-6=-258/362, 6-7=-907/497, 7-8=-1108/591, 8-9=-1108/591, 9-10=-1398/693, 10-11=-1417/581, 11-13=-1097/461, 13-15=-1306/545
BOT CHORD 24-25=-1623/568, 6-24=-1478/586, 21-23=-265/704, 20-21=-278/1054
WEBS 4-28=-319/304, 6-23=-263/1079, 7-23=-461/207, 7-21=-276/750, 8-21=-402/315, 9-20=-237/614, 17-20=-290/1053, 11-20=-132/414, 11-17=-719/289, 13-17=-331/1080

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-1-3, Zone1 3-1-3 to 18-8-15, Zone2 18-8-15 to 25-3-12, Zone1 25-3-12 to 31-7-1, Zone2 31-7-1 to 37-10-5, Zone1 37-10-5 to 45-8-0 zone; end vertical right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 29, 27, 26, 16 except (jt=lb) 2=130, 15=533, 28=265, 25=560, 2=130.
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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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113755
4190167	T13	Common	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:18 2024 Page 1
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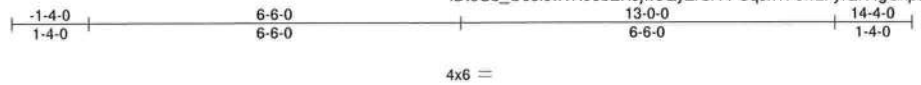

4x6 =

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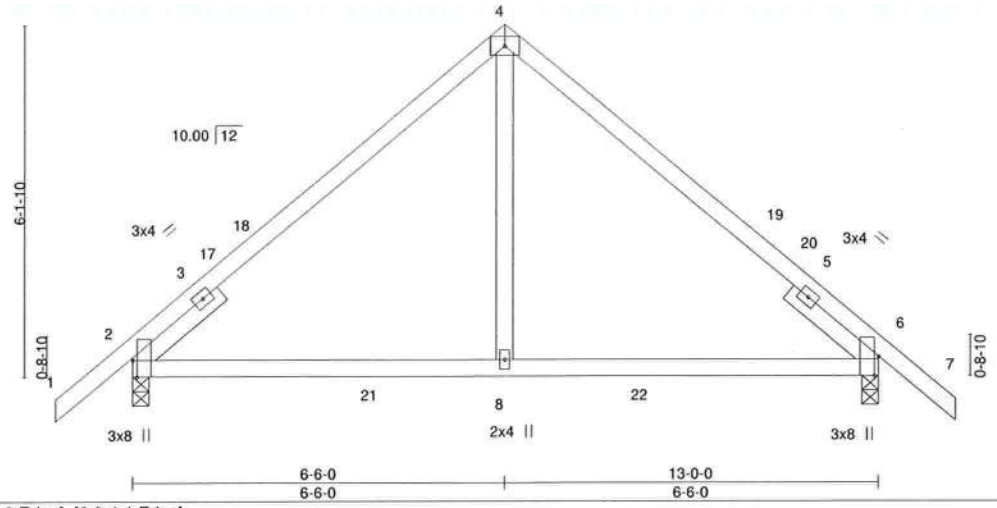

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [6:0-4-1,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	0.10	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.10	8-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 64 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-208(LC 10)
Max Uplift 2=-215(LC 12), 6=-215(LC 13)
Max Grav 2=638(LC 19), 6=638(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-583/312, 4-6=-583/312
BOT CHORD 2-8=-53/451, 6-8=-53/451
WEBS 4-8=-69/368

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-6-0, Zone2 6-6-0 to 10-8-15, Zone1 10-8-15 to 14-4-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=215, 6=215.

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Date:
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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113756
4190167	T13G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:18 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-PUqJnTFcwLFyiQH4gGxp3OgU6FGDTNNufOjoCqyZoMF

-1-4-0 | 6-6-0 | 13-0-0 | 14-4-0
1-4-0 | 6-6-0 | 6-6-0 | 1-4-0

Scale = 1:35.6

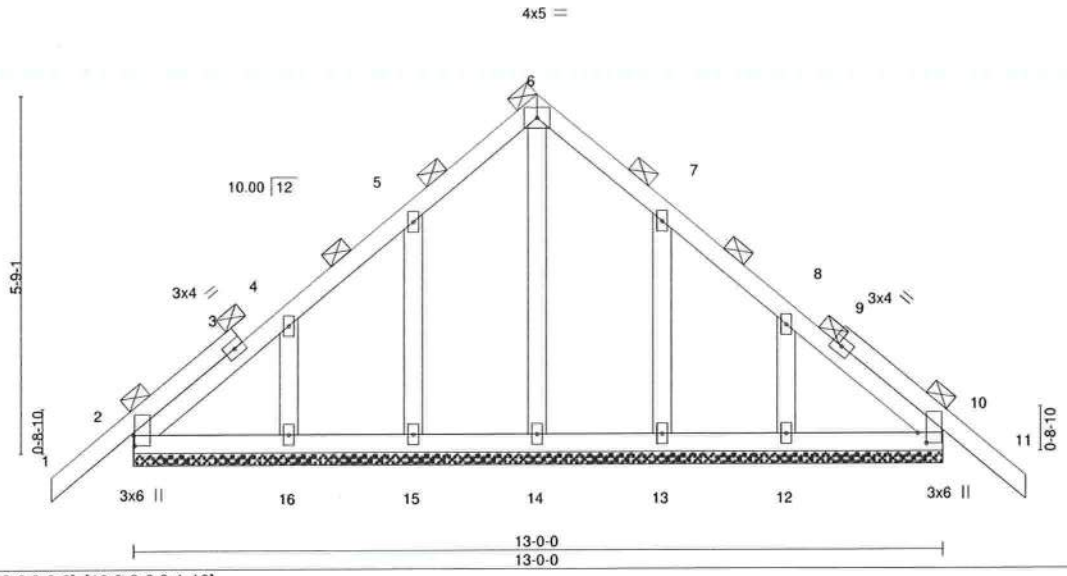

Plate Offsets (X,Y)-- [2:0-2-0,0-0-2], [10:0-2-0,0-1-10]

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	0.17	Vert(LL)	-0.00	11	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.00	11	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 80 lb	FT = 20%

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

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

REACTIONS. All bearings 13-0-0.
(lb) - Max Horz 2=-196(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10 except 15=-146(LC 12), 16=-150(LC 12), 13=-144(LC 13), 12=-151(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 14, 15, 16, 13, 12

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 15=146, 16=150, 13=144, 12=151.
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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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.
4190167	T14	Common Girder	1	2	T35113757

Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:19 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-thOh_pGEhfNpKasHEzS2cbDePfaMCed2u2SMkHyZoME

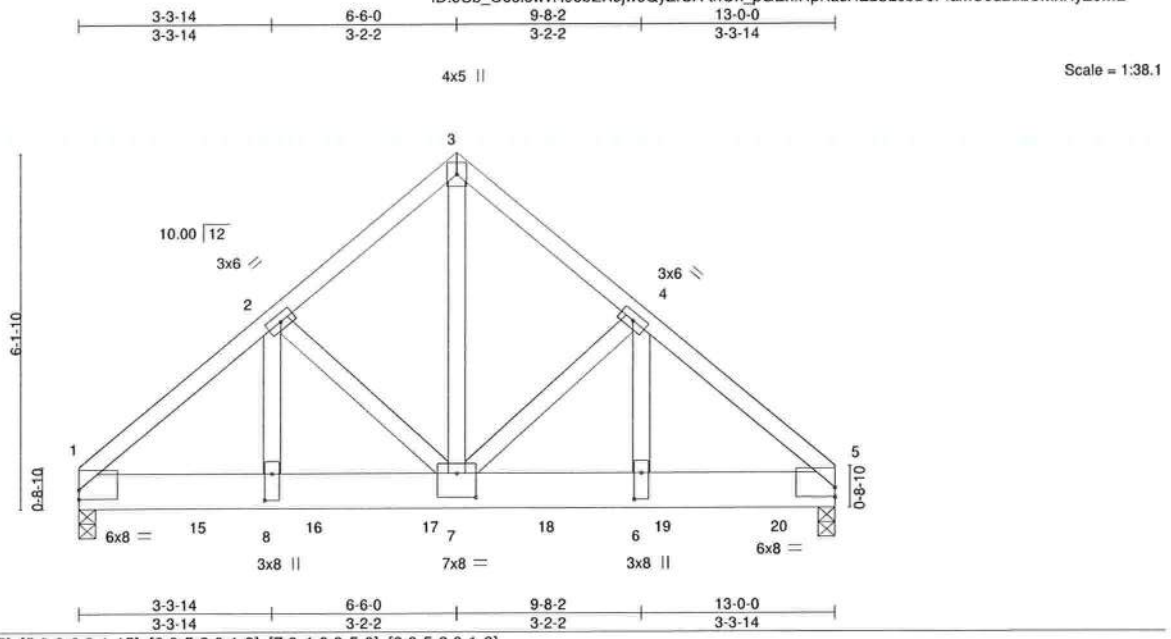

Plate Offsets (X,Y)-- [1:0-0-0,0-1-15], [5:0-0-0,0-1-15], [6:0-5-8,0-1-8], [7:0-4-0,0-5-0], [8:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.04	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	-0.07	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.86	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 186 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-173(LC 25)
Max Uplift 1=-1468(LC 8), 5=-1713(LC 9)
Max Grav 1=4058(LC 2), 5=4731(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-4948/1800, 2-3=-3690/1419, 3-4=-3691/1419, 4-5=-5044/1836
BOT CHORD 1-8=-1410/3753, 7-8=-1410/3753, 6-7=-1358/3830, 5-6=-1358/3830
WEBS 3-7=-1685/4506, 4-7=-1394/643, 4-6=-600/1715, 2-7=-1288/600, 2-8=-547/1588

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-7-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1468, 5=1713.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1344 lb down and 489 lb up at 2-0-12, 1322 lb down and 488 lb up at 4-0-12, 1322 lb down and 488 lb up at 6-0-12, 1322 lb down and 488 lb up at 8-0-12, and 1322 lb down and 488 lb up at 10-0-12, and 1323 lb down and 487 lb up at 12-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

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Continued on page 2

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LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 9-12=-20

Concentrated Loads (lb)

Vert: 15=-1212(B) 16=-1208(B) 17=-1208(B) 18=-1208(B) 19=-1208(B) 20=-1209(B)

Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113758
4190167	T15	Common	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:19 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-thOh_pGEhfNpKasHEzS2cbDaDfVsCqU2u2SMkHyZoME

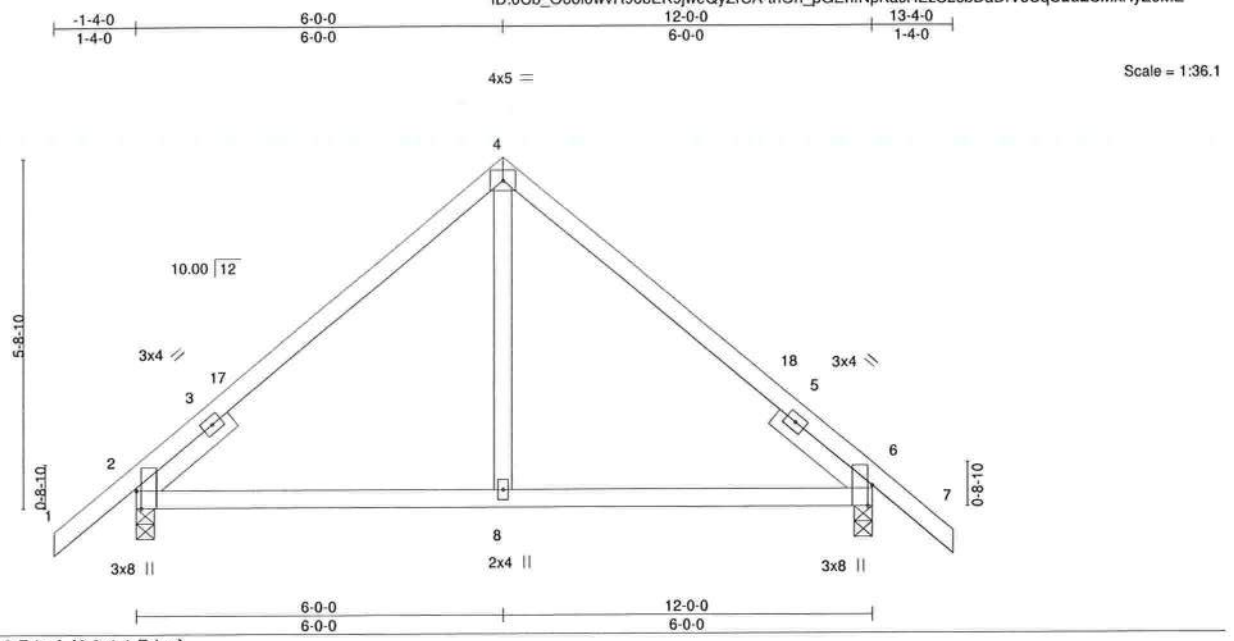

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [6:0-4-1,Edge]

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	0.47	Vert(LL)	0.07	8-11	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.47	Vert(CT)	-0.07	8-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.02	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 60 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=195(LC 11)
Max Uplift 2=-202(LC 12), 6=-202(LC 13)
Max Grav 2=516(LC 1), 6=516(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-416/303, 4-6=-413/305
BOT CHORD 2-8=-46/321, 6-8=-46/321
WEBS 4-8=-71/262

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 6-0-0, Zone2 6-0-0 to 10-2-15, Zone1 10-2-15 to 13-4-0 zone; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=202, 6=202.

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September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113759
4190167	T15G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:20 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-Lty4C9GtSzVgxjRToh_H9olqV3ynxHDB7iCvGjyZoMD

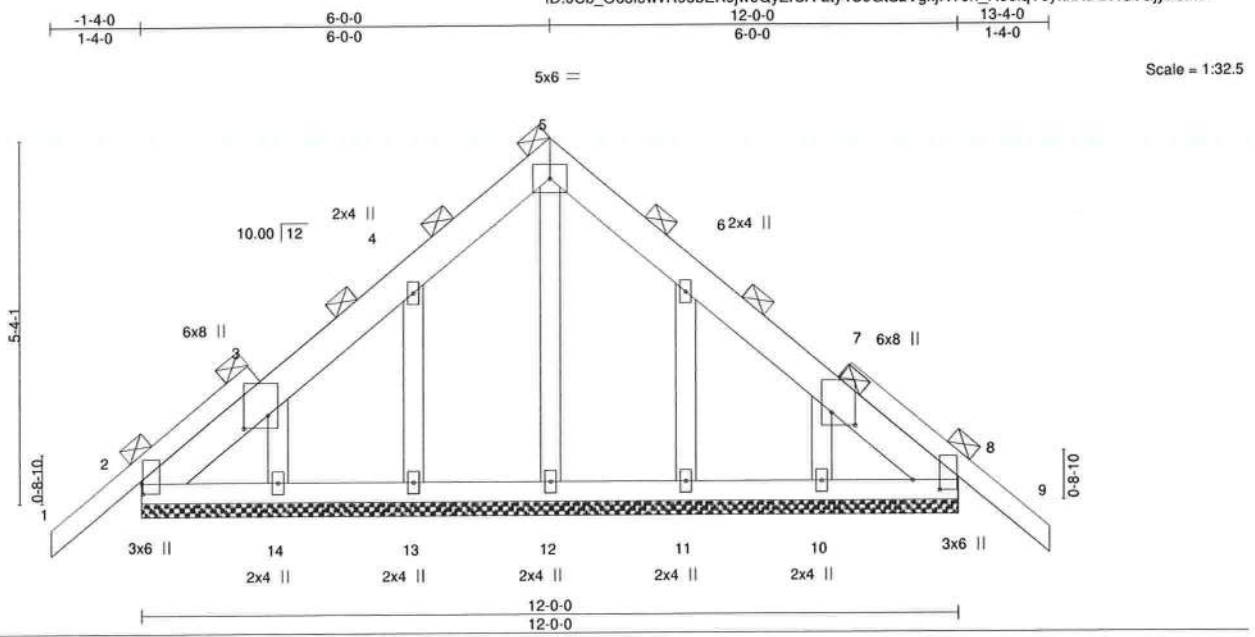

Plate Offsets (X,Y)-- [2:0-1-12,0-0-3], [3:0-2-5,0-4-4], [7:0-2-5,0-4-4], [8:0-1-12,0-4-11]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	-0.01	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 85 lb	FT = 20%

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

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

REACTIONS. All bearings 12-0-0.
(lb) - Max Horz 2=-179(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8 except 13=-134(LC 12), 14=-131(LC 12), 11=-132(LC 13), 10=-126(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 12, 13, 14, 11, 10

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 13=134, 14=131, 11=132, 10=126.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113760
4190167	T16	Common Girder	1	2	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:21 2024 Page 1
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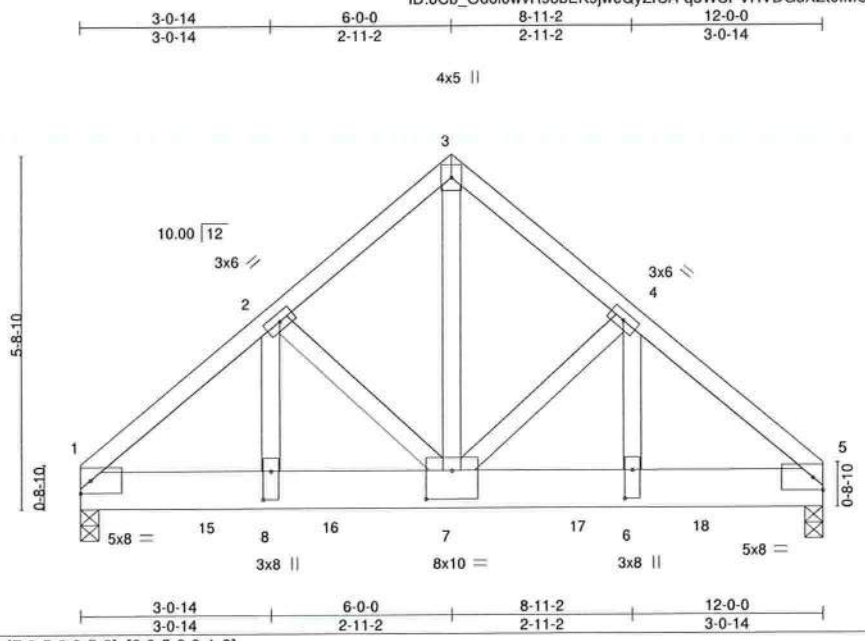

Plate Offsets (X,Y)-- [6:0-5-8,0-1-8], [7:0-5-0,0-5-8], [8:0-5-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	-0.04	7	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.22	Vert(CT)	-0.08	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 172 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-159(LC 27)
Max Uplift 1=-1637(LC 8), 5=-1662(LC 9)
Max Grav 1=4515(LC 2), 5=4604(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-5484/1995, 2-3=-4146/1574, 3-4=-4147/1575, 4-5=-5502/1994
BOT CHORD 1-8=-1554/4161, 7-8=-1554/4161, 6-7=-1480/4175, 5-6=-1480/4175
WEBS 3-7=-1888/5089, 4-7=-1382/624, 4-6=-609/1746, 2-7=-1362/622, 2-8=-607/1722

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1637, 5=1662.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1659 lb down and 612 lb up at 2-0-12, 1659 lb down and 612 lb up at 4-0-12, 1677 lb down and 612 lb up at 6-0-12, and 1677 lb down and 612 lb up at 8-0-12, and 1677 lb down and 612 lb up at 10-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

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Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.
4190167	T16	Common Girder	1	2	T35113760
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:21 2024 Page 2
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-q3WSPVHVDGdXZt0fMOVWh0IziTFFgWOLLMxSo9yZoMC

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 9-12=-20
Concentrated Loads (lb)
Vert: 7=-1487(F) 15=-1487(F) 16=-1487(F) 17=-1487(F) 18=-1487(F)

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113761
4190167	T17G	Common Supported Gable	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:21 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-q3WSPVHVDGdXZt0fMOVWh0IzLTHNgluLLMxSo9yZoMC

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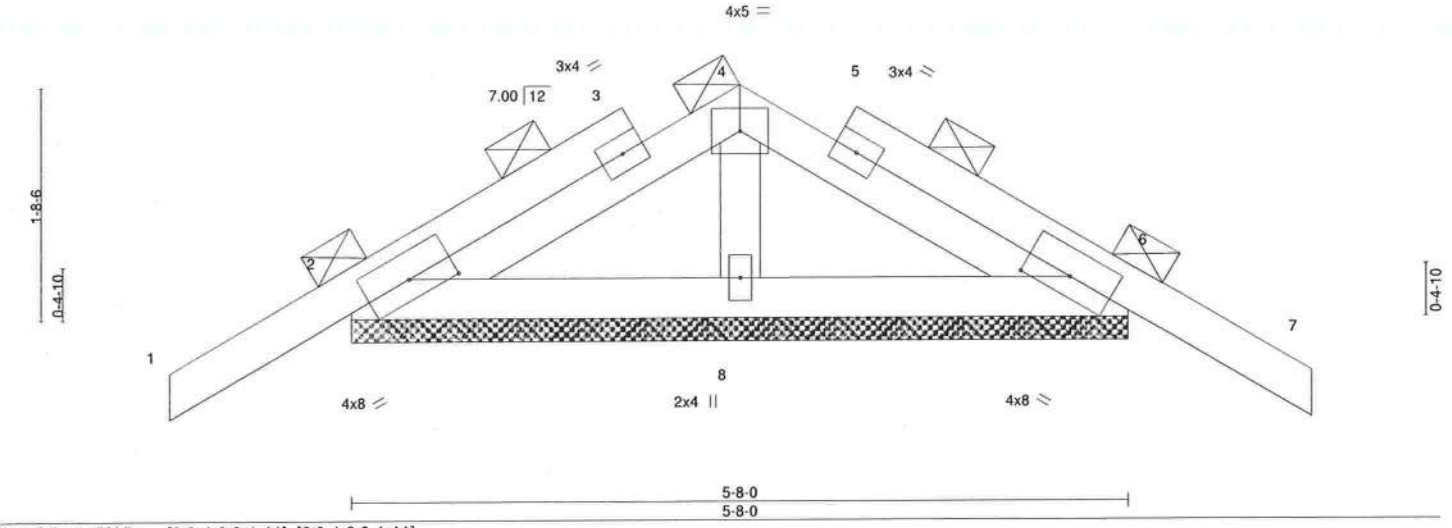

5-8-0
5-8-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	-0.00	7	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 30 lb	FT = 20%

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

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

REACTIONS. (size) 2=5-8-0, 6=5-8-0, 8=5-8-0
Max Horz 2=67(LC 11)
Max Uplift 2=-111(LC 12), 6=-121(LC 13), 8=-42(LC 12)
Max Grav 2=185(LC 25), 6=188(LC 20), 8=194(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 8 except (jt=lb) 2=111, 6=121.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113762
4190167	T18	MONO TRUSS	14	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:22 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-IF3qdrl7zalOB1bsv50lEDr6ysbGP7dUa?h0LbyZoMB

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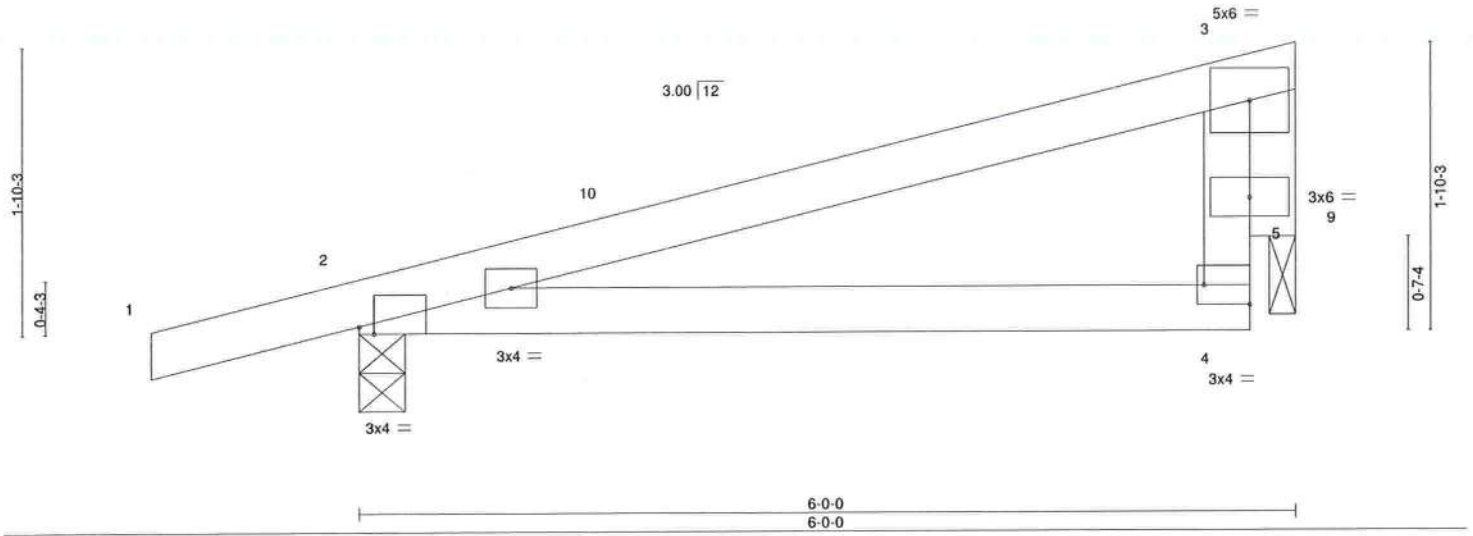

6-0-0
6-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.38	Vert(LL)	0.05	4-8	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.04	4-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MR							Weight: 23 lb	FT = 20%

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

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

REACTIONS. (size) 2=0-3-8, 9=0-2-0
Max Horz 2=91(LC 8)
Max Uplift 2=-252(LC 8), 9=-154(LC 8)
Max Grav 2=298(LC 1), 9=185(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-227/274
BOT CHORD 2-4=-322/205

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 5-6-12 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 9.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=252, 9=154.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113763
4190167	T18G	Monopitch Supported Gable	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:22 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-IF3qdrI7zalOB1bsv50lEDr4NsbWP9HUa?h0LbyZoMB

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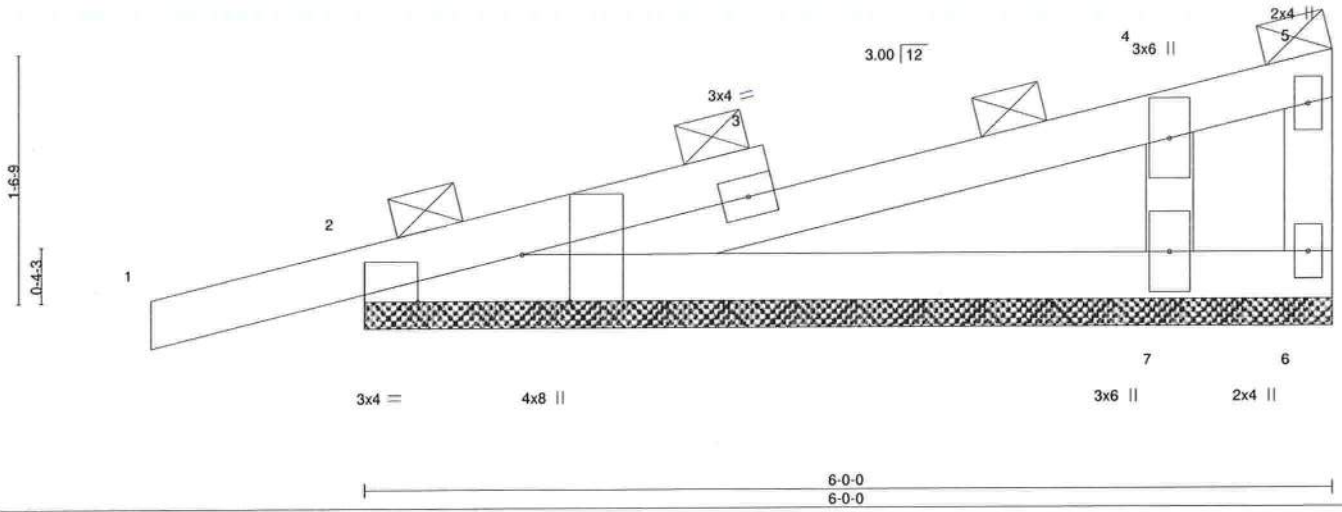

6-0-0
6-0-0

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-7-12,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	0.48	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.22	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 25 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=6-0-0, 6=6-0-0, 7=6-0-0
Max Horz 2=79(LC 8)
Max Uplift 2=-157(LC 8), 6=-150(LC 1), 7=-193(LC 12)
Max Grav 2=236(LC 1), 6=60(LC 12), 7=420(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-7=-288/755

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=157, 6=150, 7=193.
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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September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113764
4190167	V01	GABLE	2	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:22 2024 Page 1
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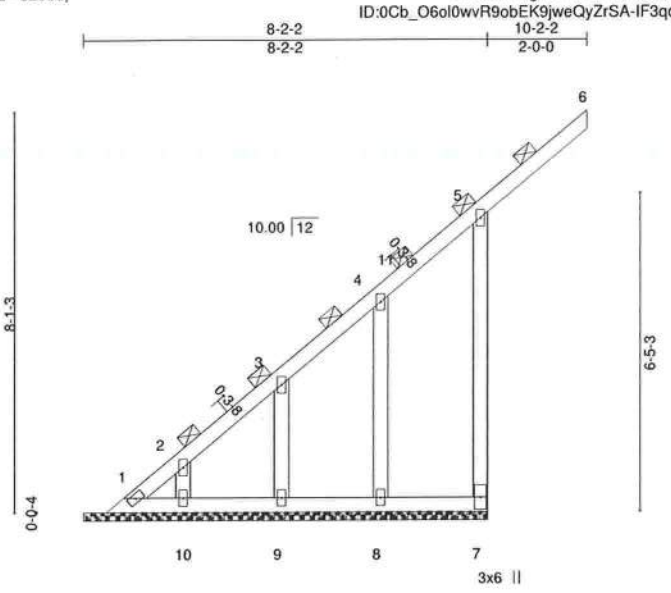

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.03	6	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	0.01	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 49 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.), except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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.

REACTIONS. All bearings 8-2-2.
(lb) - Max Horz 1=327(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 1, 8 except 7=-252(LC 9), 10=-120(LC 12), 9=-156(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 10, 9, 8 except 1=250(LC 12), 7=264(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-717/288, 2-3=-568/237, 3-4=-386/157, 4-5=-379/133, 5-7=-250/545
WEBS 3-9=-153/268

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-10-5 to 4-0-0, Zone1 4-0-0 to 10-2-2 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) All plates are 2x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 8 except (jt=lb) 7=252, 10=120, 9=156.
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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September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113765
4190167	V02	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:23 2024 Page 1
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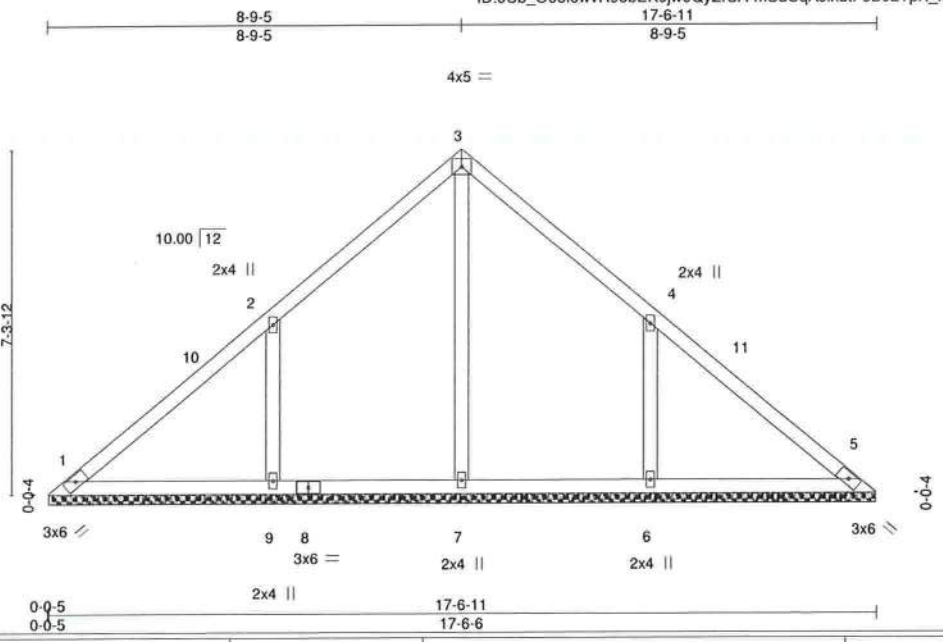

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.18	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 79 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 17-6-1.
(lb) - Max Horz 1=-222(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 9=-357(LC 12), 6=-356(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=344(LC 22), 9=538(LC 19), 6=538(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-9=-333/370, 4-6=-333/370

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 8-9-5, Zone2 8-9-5 to 12-9-5, Zone1 12-9-5 to 17-1-13 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 9=357, 6=356.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113766
4190167	V03	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:23 2024 Page 1
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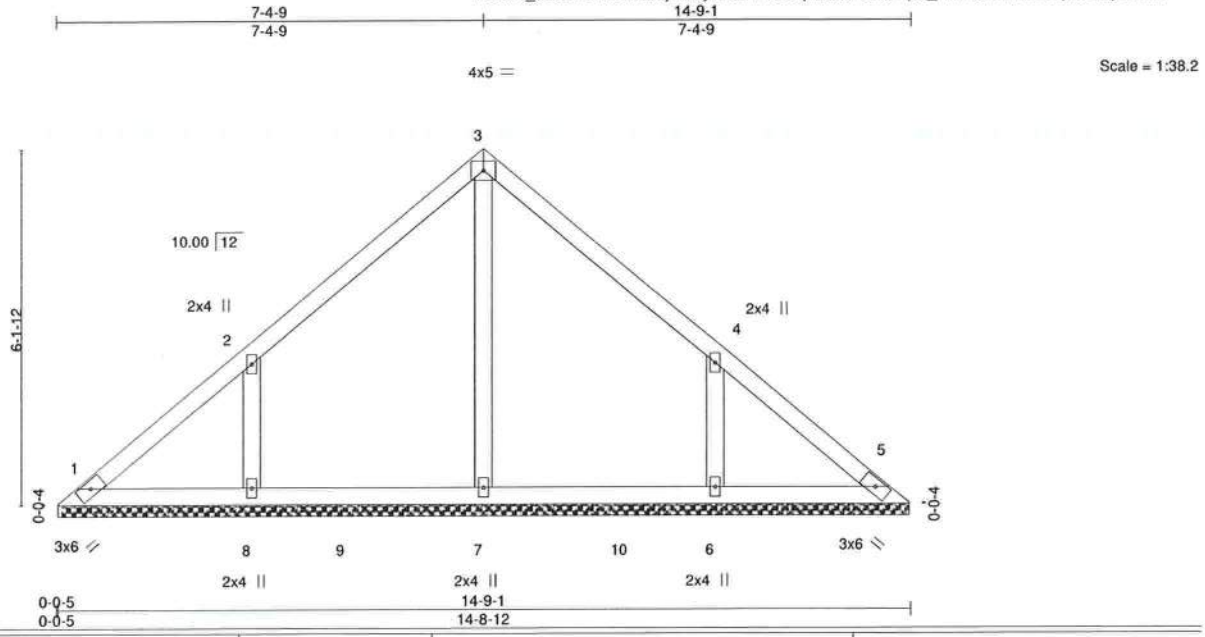

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 64 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 14-8-8.
(lb) - Max Horz 1=185(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5 except 8=-295(LC 12), 6=-295(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5 except 7=340(LC 19), 8=425(LC 19), 6=425(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-280/341, 4-6=-280/341

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-9, Zone1 3-4-9 to 7-4-9, Zone2 7-4-9 to 11-4-9, Zone1 11-4-9 to 14-4-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5 except (jt=lb) 8=295, 6=295.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113767
4190167	V04	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:24 2024 Page 1
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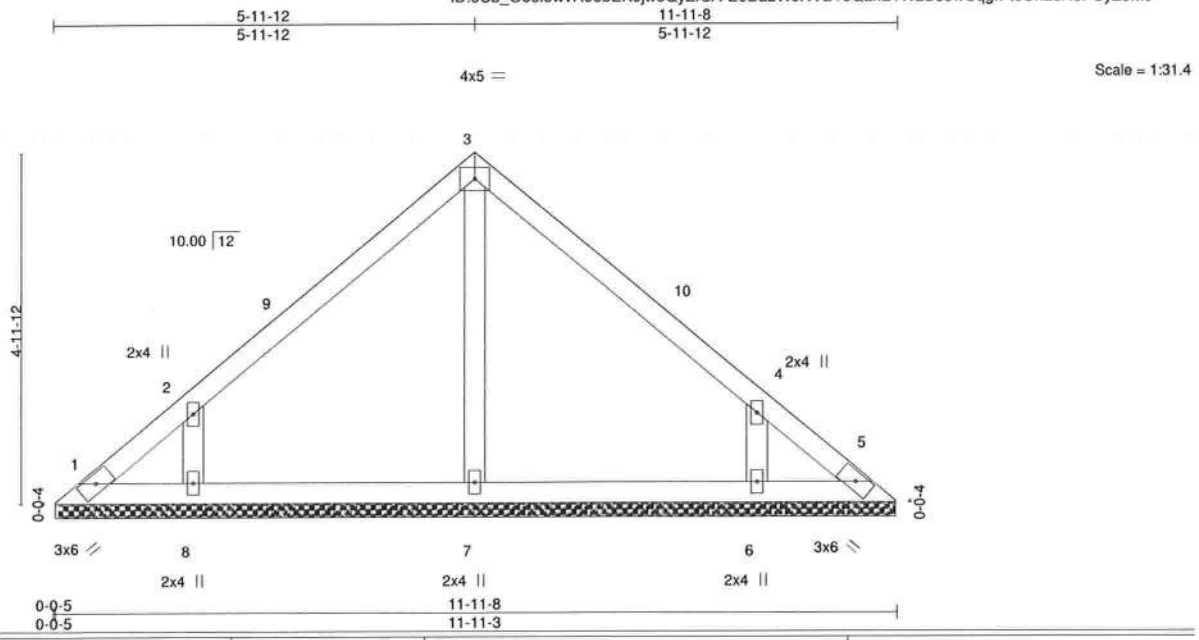

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 49 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 11-10-14.
(lb) - Max Horz 1=148(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 5, 7 except 8=-267(LC 12), 6=-267(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 1, 5, 7 except 8=320(LC 19), 6=320(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-8=-272/389, 4-6=-272/389

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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 5-11-12, Zone2 5-11-12 to 9-11-12, Zone1 9-11-12 to 11-6-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 5, 7 except (jt=lb) 8=267, 6=267.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113768
4190167	V05	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:24 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-EeBa2WJNVB?5QLkE1W2DJewSSgHdt6Un2JA6PUyZoM9

4-6-15 (4-6-15) | 9-1-14 (4-6-15)

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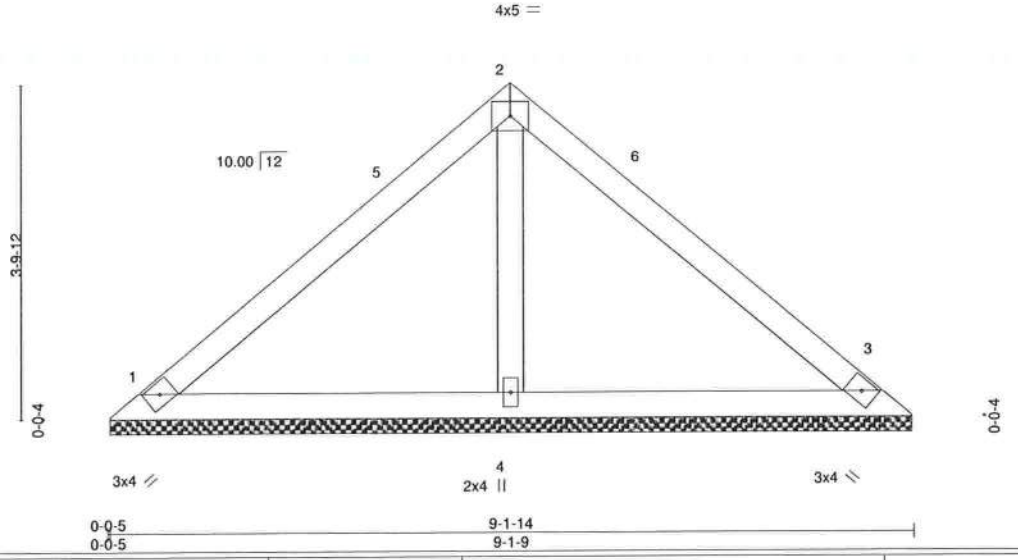

0-0-5 (0-0-5) | 9-1-14 (9-1-9)

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.37	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.17	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 35 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) 1=9-1-4, 3=9-1-4, 4=9-1-4
Max Horz 1=111(LC 11)
Max Uplift 1=-70(LC 13), 3=-83(LC 13), 4=-81(LC 12)
Max Grav 1=162(LC 1), 3=162(LC 1), 4=293(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 4-6-15, Zone3 4-6-15 to 8-9-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113769
4190167	V06	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:25 2024 Page 1
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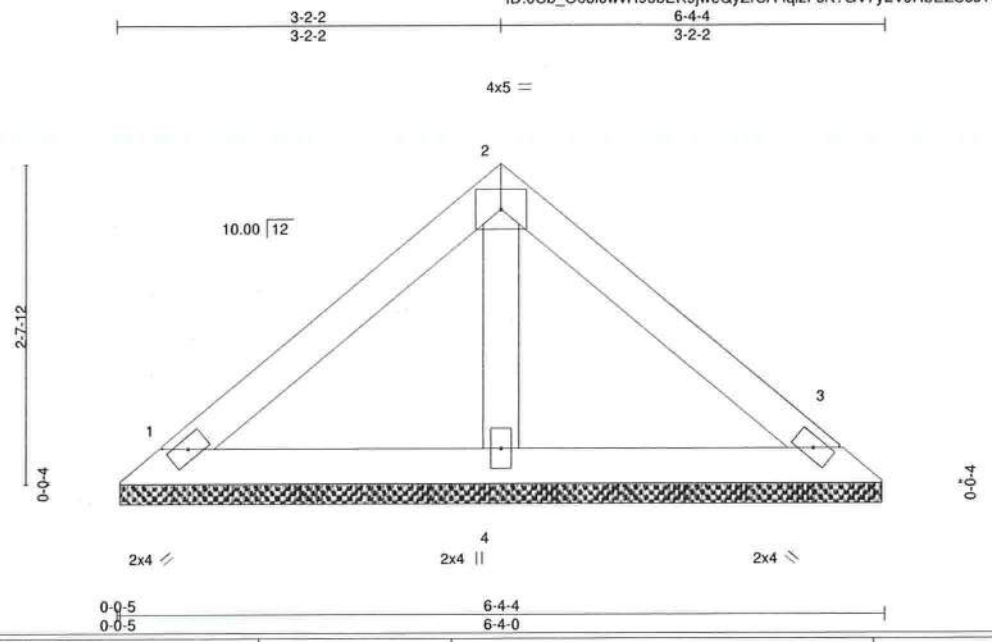

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.29	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 23 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) 1=6-3-11, 3=6-3-11, 4=6-3-11
Max Horz 1=74(LC 11)
Max Uplift 1=-57(LC 13), 3=-66(LC 13), 4=-33(LC 12)
Max Grav 1=117(LC 1), 3=117(LC 1), 4=177(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113770
4190167	V07	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:25 2024 Page 1
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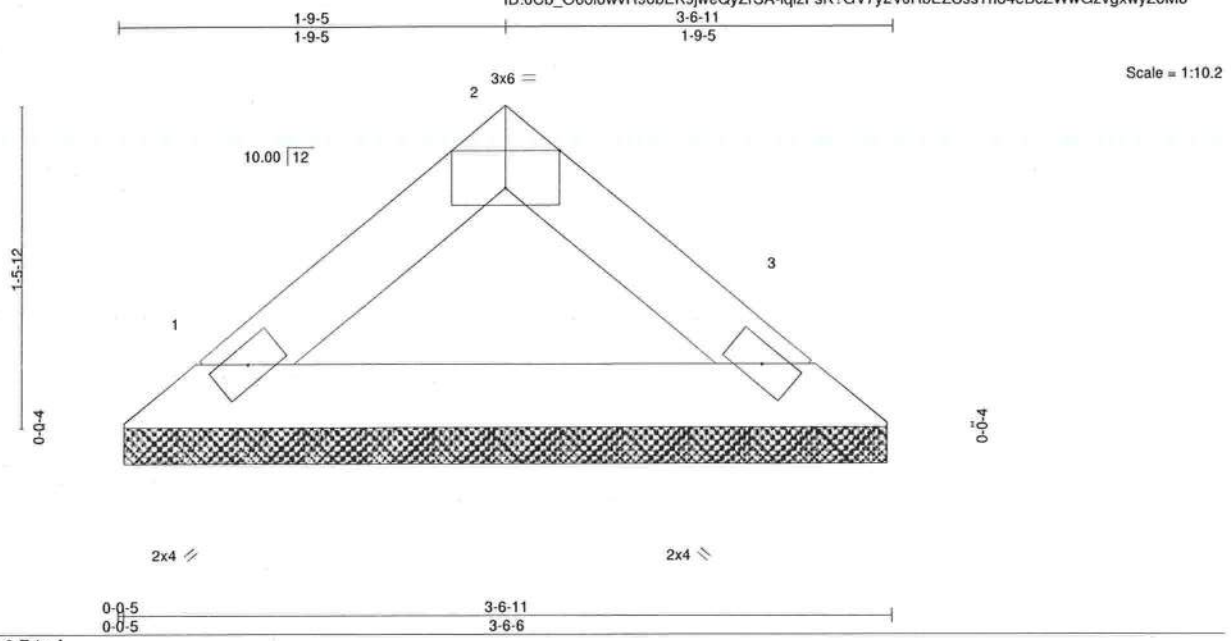

Plate Offsets (X,Y)-- [2:0-3-0,Edge]

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	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	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 3-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=3-6-1, 3=3-6-1
Max Horz 1=-37(LC 8)
Max Uplift 1=-36(LC 12), 3=-36(LC 13)
Max Grav 1=102(LC 1), 3=102(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3.

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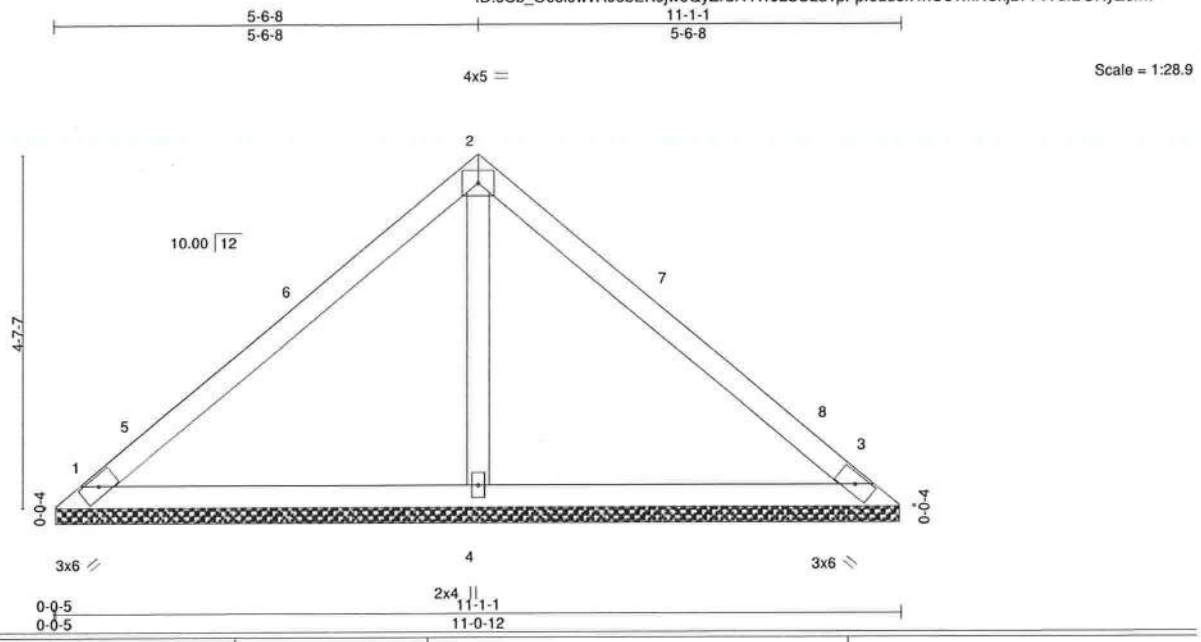
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113771
4190167	V08	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:26 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-A1JLSCLd1pFpfeud8x4hO3?mNUxjL?Y4VdfDUNyZoM7



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)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.26	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 42 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) 1=11-0-7, 3=11-0-7, 4=11-0-7
Max Horz 1=-137(LC 8)
Max Uplift 1=-86(LC 13), 3=-103(LC 13), 4=-100(LC 12)
Max Grav 1=200(LC 1), 3=200(LC 1), 4=361(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 5-6-8, Zone2 5-6-8 to 9-9-7, Zone1 9-9-7 to 10-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 4 except (jt=lb) 3=103.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113772
4190167	V09	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:26 2024 Page 1
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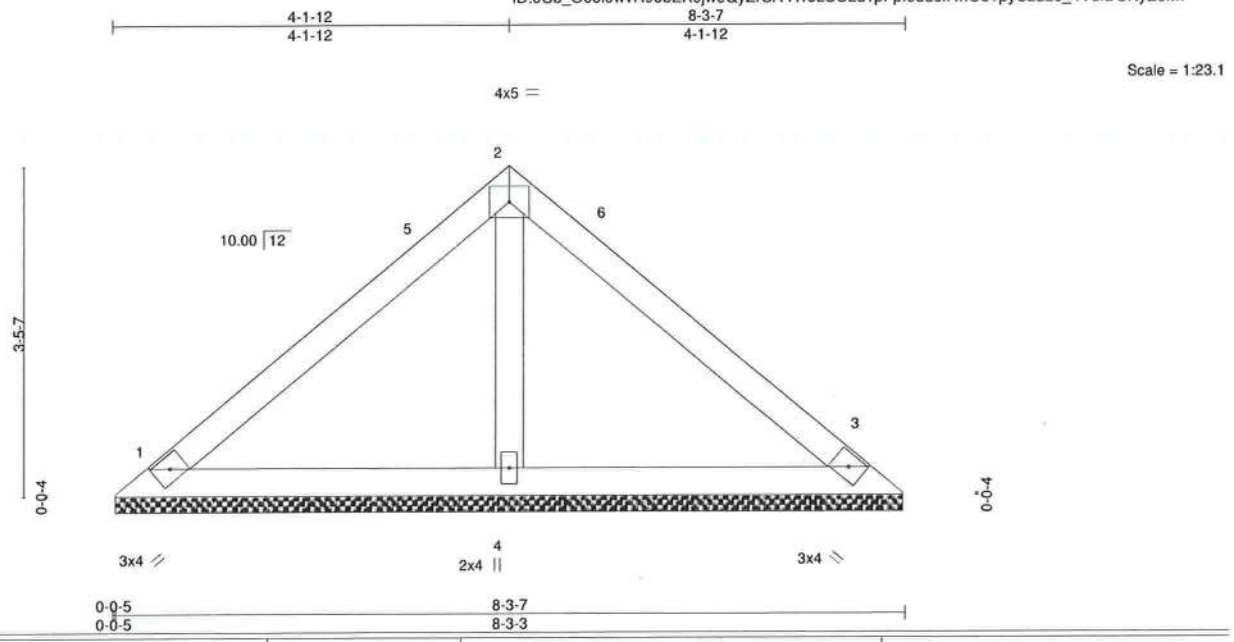

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.14	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 31 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) 1=8-2-14, 3=8-2-14, 4=8-2-14
Max Horz 1=99(LC 9)
Max Uplift 1=-62(LC 13), 3=-75(LC 13), 4=-73(LC 12)
Max Grav 1=146(LC 1), 3=146(LC 1), 4=263(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 4-1-12, Zone3 4-1-12 to 7-10-10 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113773
4190167	V10	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:27 2024 Page 1
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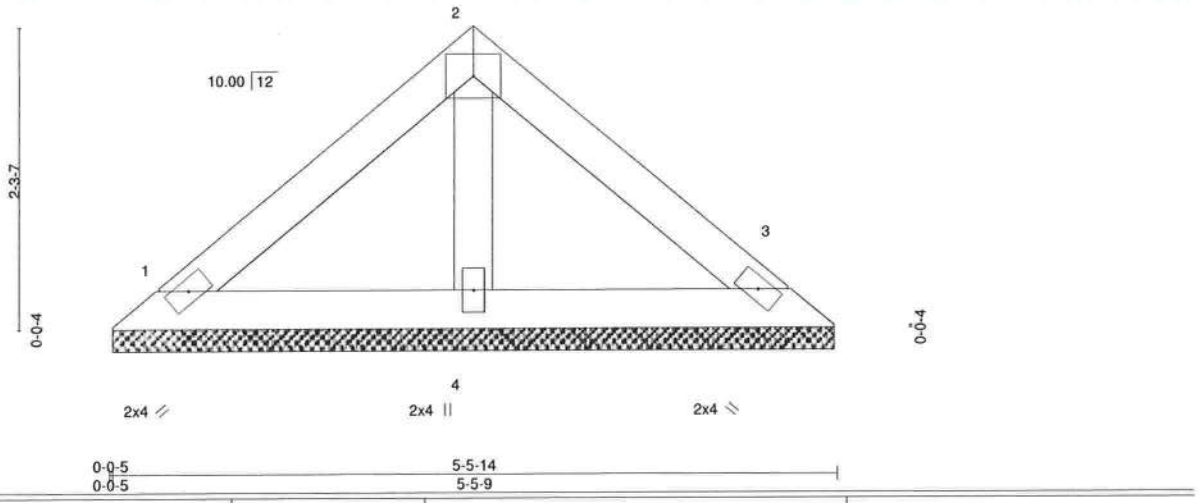

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.21	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 20 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 5-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=5-5-4, 3=5-5-4, 4=5-5-4
Max Horz 1=-62(LC 8)
Max Uplift 1=-48(LC 13), 3=-56(LC 13), 4=-28(LC 12)
Max Grav 1=98(LC 1), 3=98(LC 1), 4=150(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.	T35113774
4190167	V11	Valley	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:27 2024 Page 1
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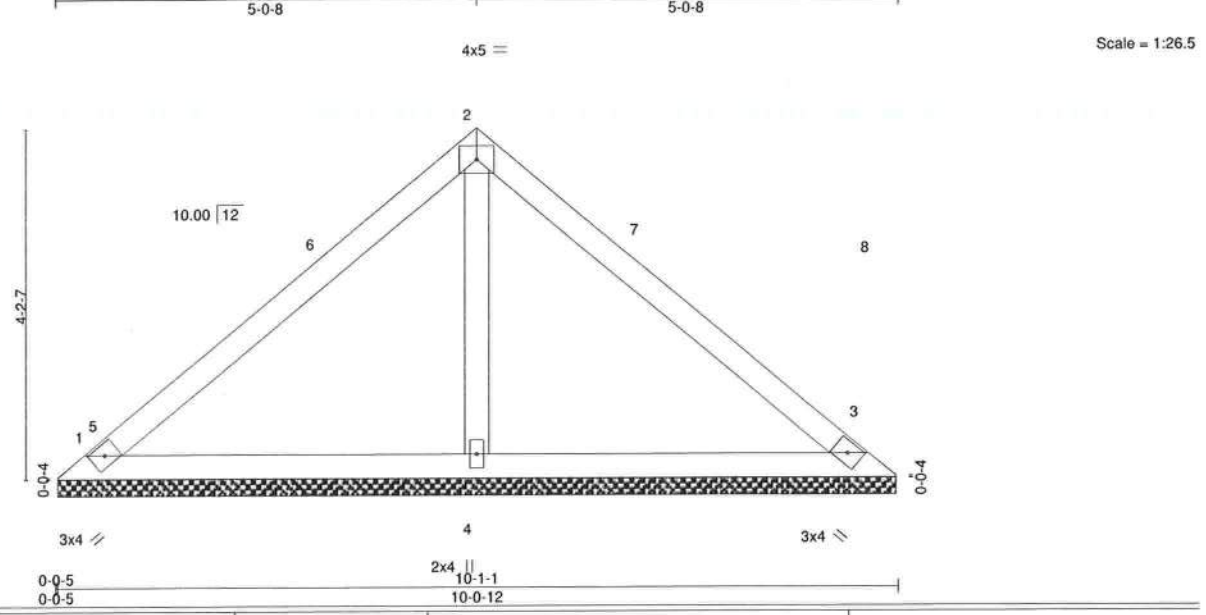

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.21	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 38 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) 1=10-0-7, 3=10-0-7, 4=10-0-7
Max Horz 1=-123(LC 8)
Max Uplift 1=-77(LC 13), 3=-93(LC 13), 4=-90(LC 12)
Max Grav 1=181(LC 1), 3=181(LC 1), 4=326(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-4-13 to 3-4-13, Zone1 3-4-13 to 5-0-8, Zone2 5-0-8 to 9-3-7, Zone1 9-3-7 to 9-8-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

This item has been digitally signed and sealed by Velez, Joaquin, 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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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:
September 27,2024

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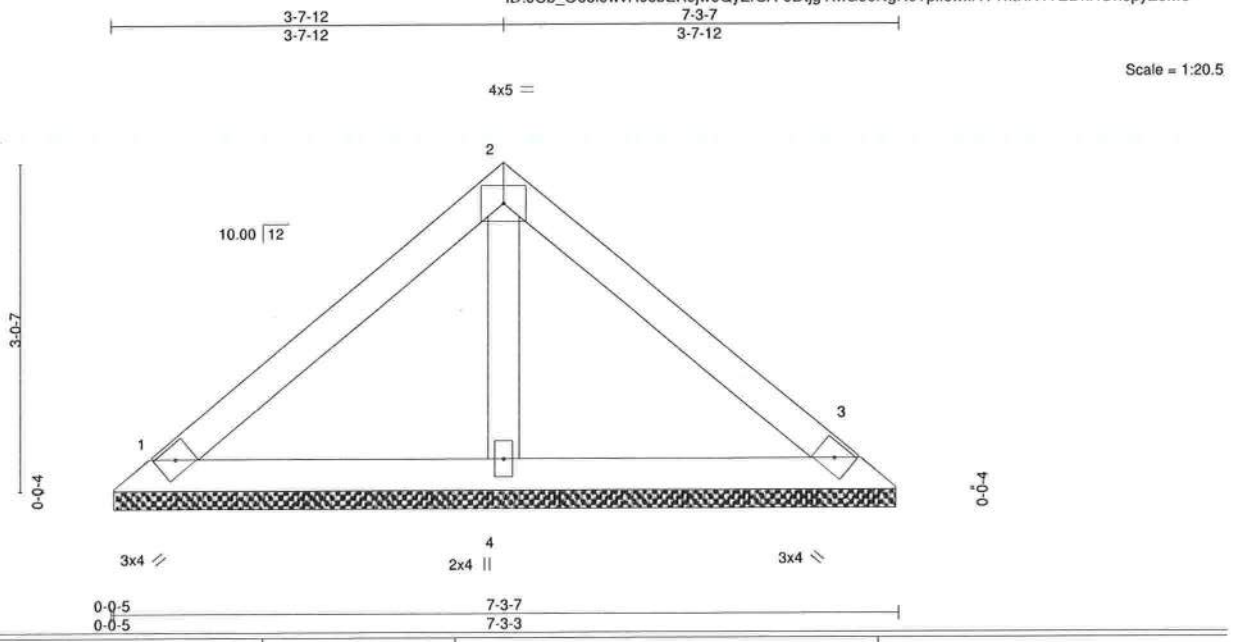
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	FEAGIN RES. T35113775
4190167	V12	Valley	1	1	Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:27 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-eDtjgYMGo6NgHoTpifcwxHY?htKK4TEDkHOn0pyZoM6



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 27 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) 1=7-2-14, 3=7-2-14, 4=7-2-14
Max Horz 1=86(LC 11)
Max Uplift 1=-54(LC 13), 3=-65(LC 13), 4=-63(LC 12)
Max Grav 1=126(LC 1), 3=126(LC 1), 4=228(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 3, 4.

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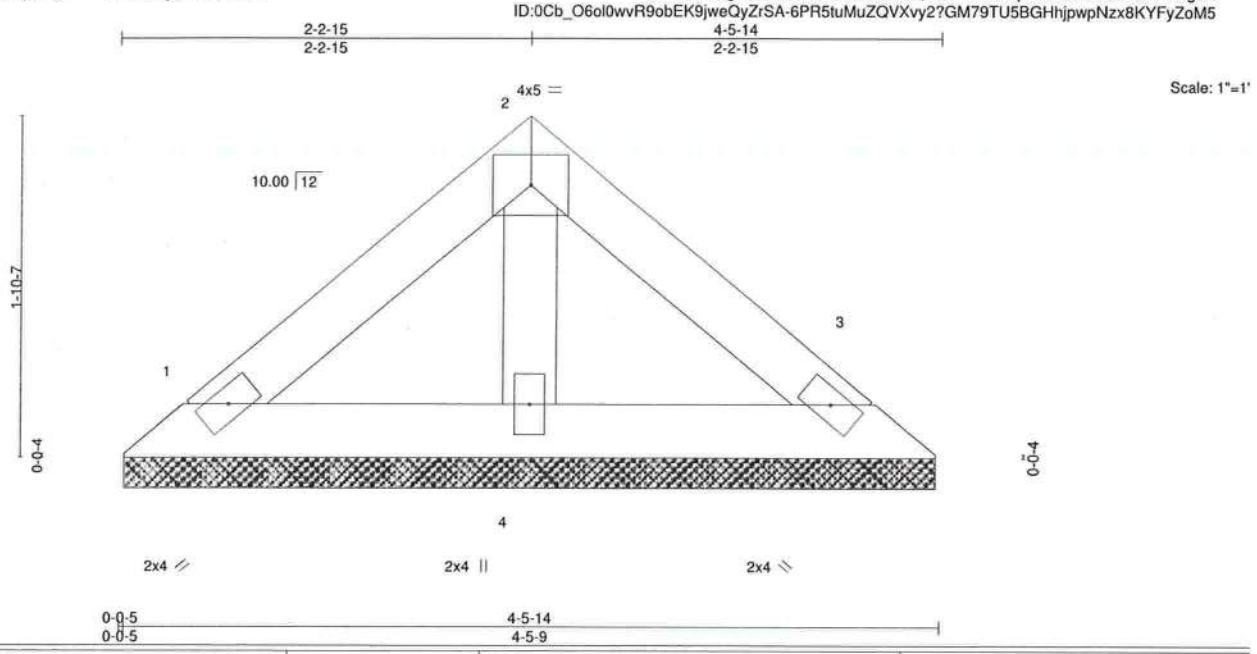
Job	Truss	Truss Type	Qty	Ply	FEAGIN RES.
4190167	V13	Valley	1	1	T35113776
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Aug 15 2024 MiTek Industries, Inc. Thu Sep 26 09:49:28 2024 Page 1
ID:0Cb_O6ol0wvR9obEK9jweQyZrSA-6PR5tuMuZQVXvy2?GM79TU5BGHhjpwpNzx8KYFyZoM5



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	0.13	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 16 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 4-5-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 1=4-5-4, 3=4-5-4, 4=4-5-4
Max Horz 1=49(LC 9)
Max Uplift 1=-38(LC 13), 3=-44(LC 13), 4=-22(LC 12)
Max Grav 1=77(LC 1), 3=77(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=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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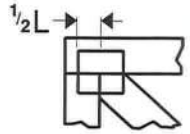
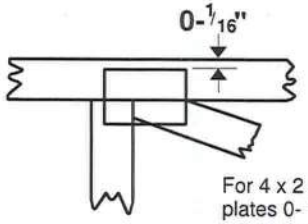
Symbols

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

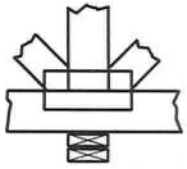
4 x 4

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

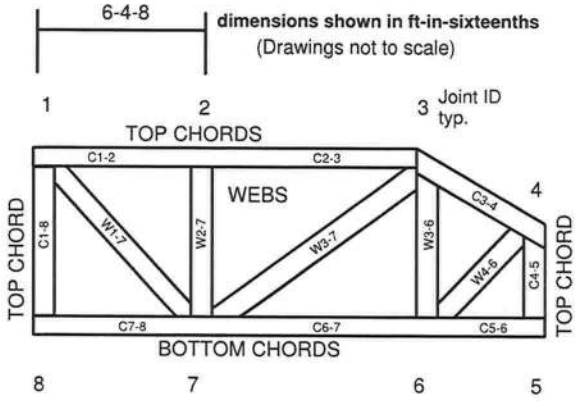


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

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®

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

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/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.