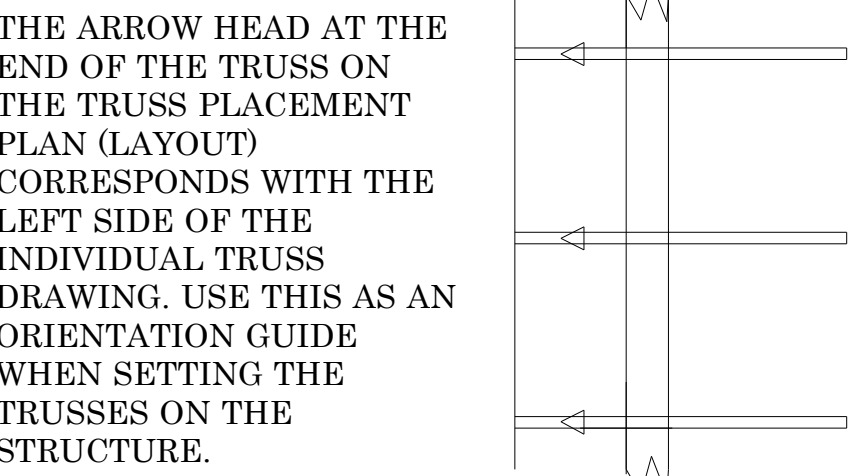




- Per ANSI/TPI 1-2002 all "Truss to Wall" connections are the responsibility of the Building Designer, not the Truss Manufacturer.
- Use Manufacturer's specifications for all hanger connections unless noted otherwise.
- Trusses are to be 24" o.c. U.N.O.
- All hangers are to be Simpson or equivalent U.N.O.
- 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



Tallahassee
PHONE: 850-576-5177

Legal Address: **Rozear Res.**

Model: Custom

Date:	Drawn By:	Original Ref #:
8-7-24	KLH	415200'

Floor 1 Job#	Floor 2 Job#:	Roof Job #:
N/A	N/A	415200'

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



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

RE: 4152007 - HARTLEY - ROZEAR RES.

MiTek, Inc.

16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200

Site Information:

Customer Info: HARTLEY BROTHERS Project Name: Rozear Res Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: 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 35 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	T34801262	CJ01	8/22/24	15	T34801276	HJ12	8/22/24
2	T34801263	CJ01A	8/22/24	16	T34801277	PB01	8/22/24
3	T34801264	CJ03	8/22/24	17	T34801278	PB01G	8/22/24
4	T34801265	CJ03A	8/22/24	18	T34801279	PB02G	8/22/24
5	T34801266	CJ05	8/22/24	19	T34801280	T01	8/22/24
6	T34801267	CJ05A	8/22/24	20	T34801281	T02	8/22/24
7	T34801268	CJ07	8/22/24	21	T34801282	T03	8/22/24
8	T34801269	EJ01	8/22/24	22	T34801283	T04	8/22/24
9	T34801270	EJ02	8/22/24	23	T34801284	T05	8/22/24
10	T34801271	EJ03	8/22/24	24	T34801285	T06	8/22/24
11	T34801272	EJ04	8/22/24	25	T34801286	T07	8/22/24
12	T34801273	EJ05	8/22/24	26	T34801287	T08	8/22/24
13	T34801274	HJ08	8/22/24	27	T34801288	T09	8/22/24
14	T34801275	HJ10	8/22/24	28	T34801289	T10	8/22/24

This item has been digitally signed and sealed by Velez, Joaquin, PE on the date adjacent to the seal.

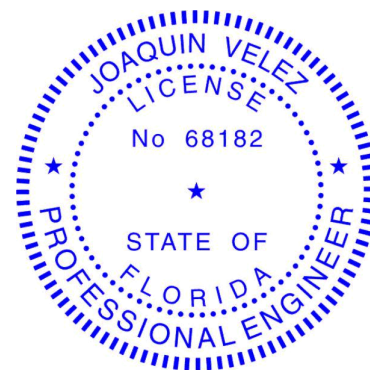
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

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:

August 22,2024

Velez, Joaquin

1 of 2



RE: 4152007 - HARTLEY - ROZEAR RES.

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

Site Information:

Customer Info: HARTLEY BROTHERS Project Name: Rozear Res Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: TBD, TBD
City: Columbia Cty State: FL

No.	Seal#	Truss Name	Date
29	T34801290	T11	8/22/24
30	T34801291	T12	8/22/24
31	T34801292	T12G	8/22/24
32	T34801293	T13	8/22/24
33	T34801294	T14	8/22/24
34	T34801295	T15G	8/22/24
35	T34801296	T16G	8/22/24

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	CJ01	Jack-Open	8	1	T34801262

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:13 2024 Page 1
ID:kTGGBIQg0CU2lyFI5gJEiUyqKJ2-q8EYIC8ZqSsJXuYLzE22eqjJWZm7xzehLlyqOwylbwa

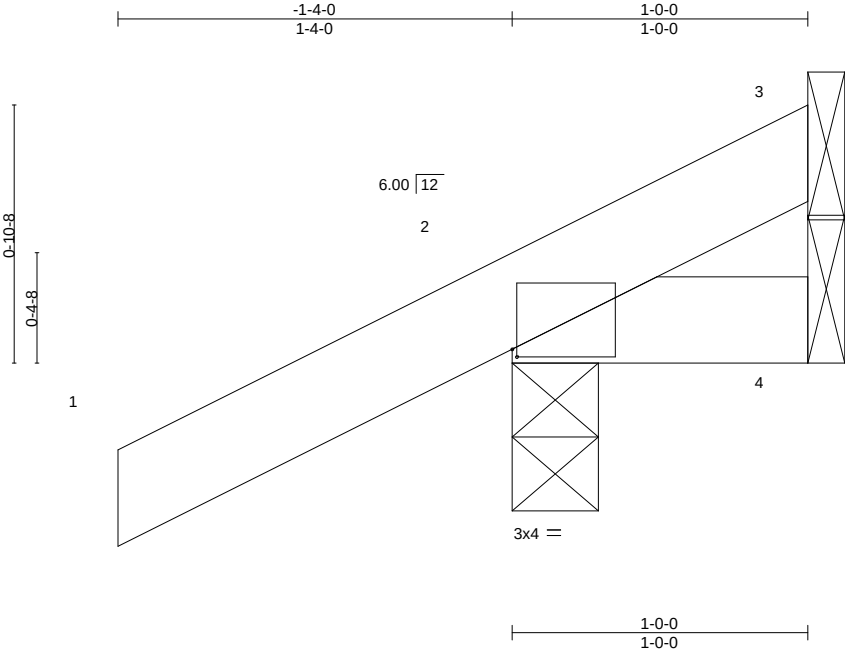


Plate Offsets (X,Y)--		[2:0-0-3,0-0-5]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.19		Vert(LL)	0.00 7	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.04		Vert(CT)	0.00 7	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.00		Horz(CT)	0.00 2	n/a	n/a		
BCDL 10.0		Code	FBC2023/TPI2014	Matrix-MP						Weight: 6 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=53(LC 12)
Max Uplift 3=-5(LC 9), 2=-94(LC 12), 4=-12(LC 1)
Max Grav 3=7(LC 16), 2=157(LC 1), 4=21(LC 16)

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

- 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) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 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.

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

August 22,2024

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

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

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

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	CJ01A	Jack-Open	8	1	T34801263

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:14 2024 Page 1
ID:kTGGBIQg0CU2lyFI5gJEiUyqKJ2-JLowyX9Bbm_9827XWxZHA1FTYy6UgQtqayhNxNylbwZ

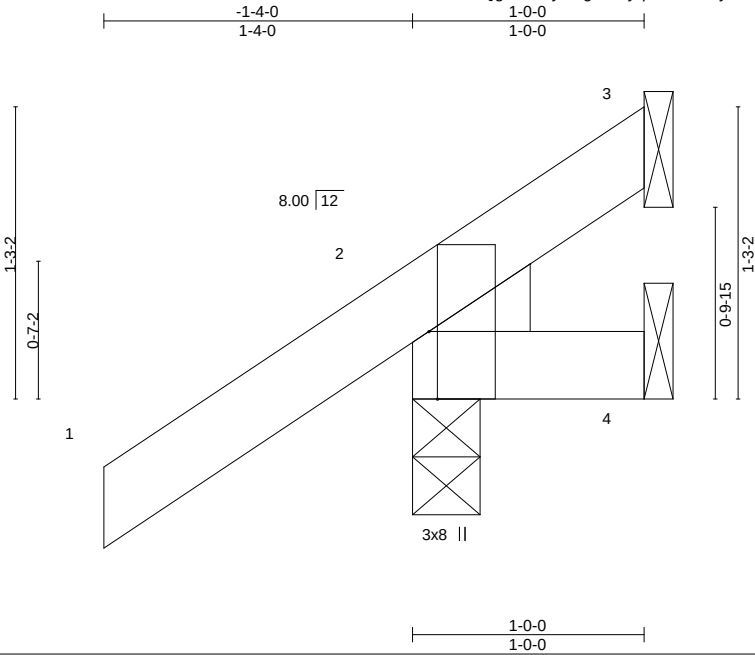


Plate Offsets (X,Y)--		[2:0-3-8,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24
TCDL 7.0	Lumber DOL	1.25	BC 0.03
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MP
DEFL.	in (loc)	I/defl	L/d
Vert(LL)	0.00 7	>999	240
Vert(CT)	0.00 7	>999	180
Horz(CT)	0.00 2	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 7 lb	FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-8(LC 12), 2=-80(LC 12), 4=-11(LC 1)
Max Grav 3=8(LC 8), 2=157(LC 1), 4=16(LC 16)

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

- 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;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 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.

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

August 22,2024

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MiTek®

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

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:14 2024 Page 1
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	CJ03A	Jack-Open	8	1	T34801265

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:15 2024 Page 1
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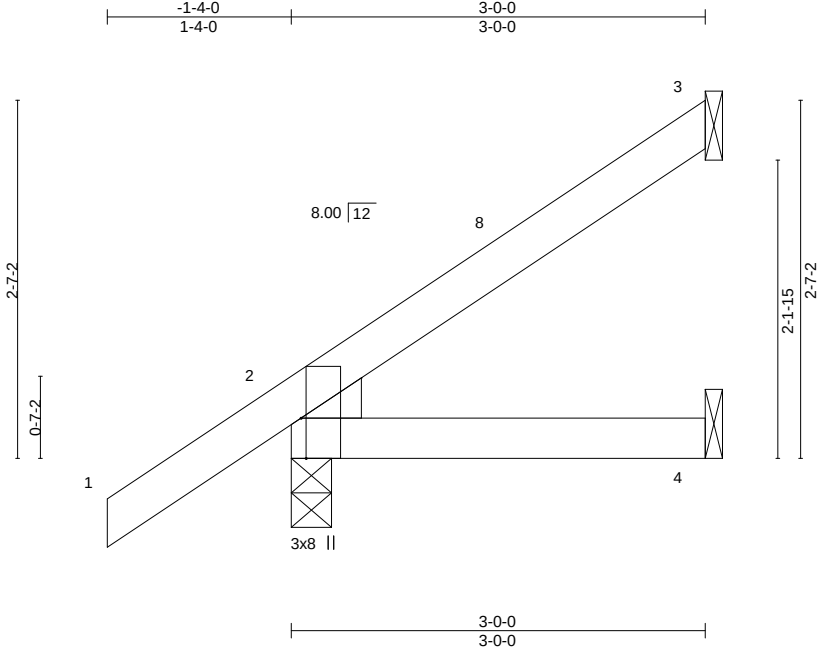


Plate Offsets (X,Y)--		[2:0-3-8,Edge]								
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	0.01	4-7	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.12	Vert(CT)	-0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MP						Weight: 13 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=135(LC 12)
Max Uplift 3=-72(LC 12), 2=-69(LC 12), 4=-9(LC 12)
Max Grav 3=73(LC 19), 2=197(LC 1), 4=51(LC 3)

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

- 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 2-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2, 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.

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

August 22,2024

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

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MiTek®

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Chesterfield, MO 63017
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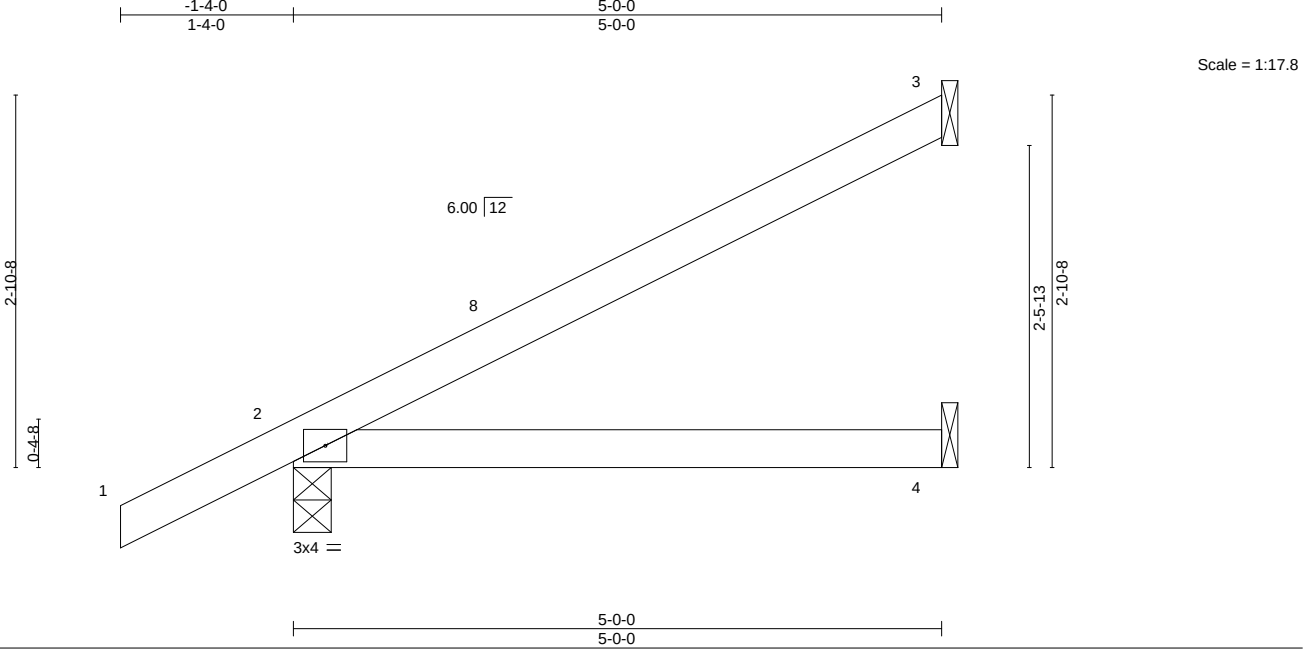
Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	CJ05	Jack-Open	8	1	T34801266

Builders FirstSource (Lake City,FL),

Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:15 2024 Page 1

ID:kTGGBlQg0CU2lyFf5gJEiUyqKJ2-nXMJAt9pM370mCij4e4WjFobyMODPt7zpcRxTpylbwY



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.39	Vert(LL)	0.05	4-7	>999	240	MT20	244/190
TCDL 7.0	1.25	BC 0.32	Vert(CT)	-0.05	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP						Weight: 18 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=151(LC 12)
Max Uplift 3=-106(LC 12), 2=-108(LC 12), 4=-6(LC 12)
Max Grav 3=114(LC 1), 2=264(LC 1), 4=88(LC 3)

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

- 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 4-11-4 zone; porch right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=106, 2=108.

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:

August 22,2024

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

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	CJ05A	Jack-Open	4	1	T34801267

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:15 2024 Page 1
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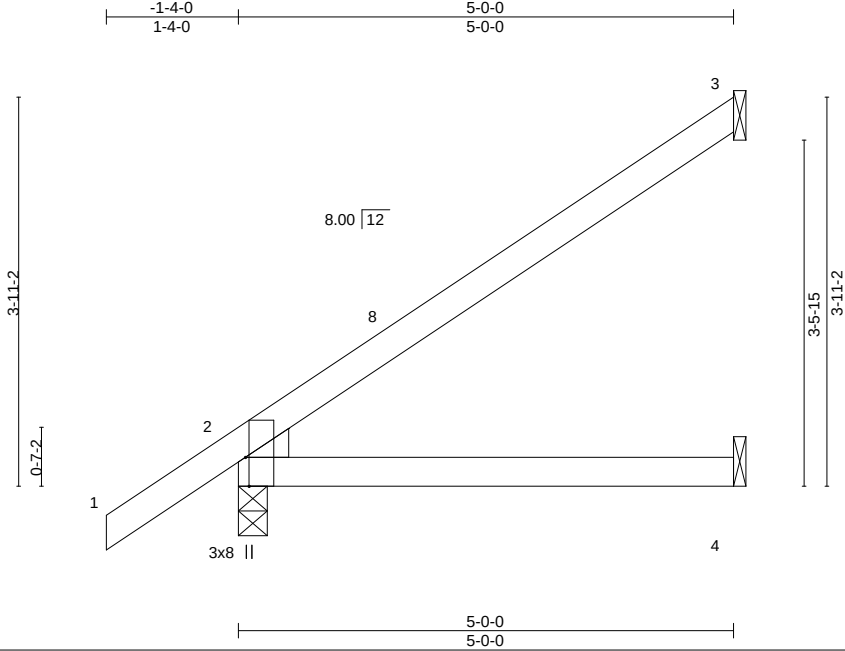


Plate Offsets (X,Y)--		[2:0-3-8,Edge]				
LOADING (psf)		SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.25	TC 0.48	Vert(LL) 0.06 4-7 >933 240	MT20	244/190
TCDL 7.0		Lumber DOL 1.25	BC 0.43	Vert(CT) -0.06 4-7 >946 180		
BCLL 0.0 *		Rep Stress Incr YES	WB 0.00	Horz(CT) -0.02 3 n/a n/a		
BCDL 10.0		Code FBC2023/TPI2014	Matrix-MP		Weight: 20 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

REACTIONS.	(size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz	2=202(LC 12)
Max Uplift	3=128(LC 12), 2=77(LC 12), 4=15(LC 12)
Max Grav	3=133(LC 19), 2=264(LC 1), 4=89(LC 3)

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

- 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 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=128.

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:

August 22,2024

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MiTek®

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	EJ01	Jack-Partial	8	1	T34801269

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:16 2024 Page 1
ID:kTGGBIQg0CU2lyF15gJEiUyqKJ2-FjwhNDAS7NFtOMHveMblGSlnSmhw8Jq71GAU?FylbwX

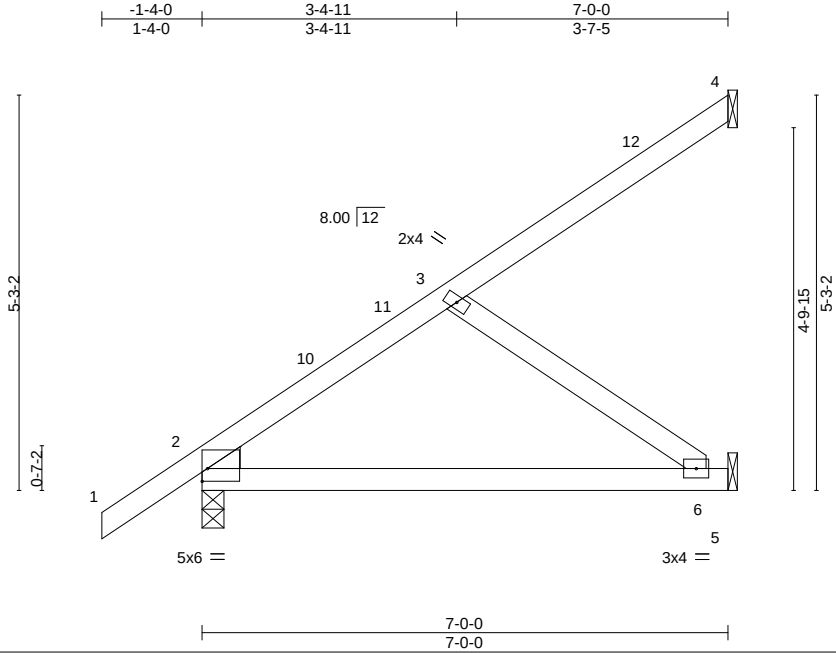


Plate Offsets (X,Y)-- [2:Edge,0-2-1]											
LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.07	6-9	>999	240	MT20
TCDL	7.0	Lumber DOL	1.25	BC	0.42	Vert(CT)	-0.14	6-9	>585	180	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.01	2	n/a	n/a	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 32 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3			

REACTIONS.	
(size)	4=Mechanical, 2=0-3-8, 5=Mechanical
Max Horz	2=259(LC 12)
Max Uplift	4=-77(LC 12), 2=-93(LC 12), 5=-106(LC 12)
Max Grav	4=90(LC 19), 2=336(LC 1), 5=195(LC 19)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
BOT CHORD	2-6=-273/215
WEBS	3-6=-264/335

- 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 6-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2 except (jt=lb) 5=106.

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Date:

August 22,2024

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	EJ02	Jack-Partial	3	1	T34801270

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:17 2024 Page 1
ID:kTGGBIQg0CU2lyFI5gJEiUyqKJ2-jvU3aZB4uhNk?Ws6C36_ogtw3A1ztndGGww1XhylbwW

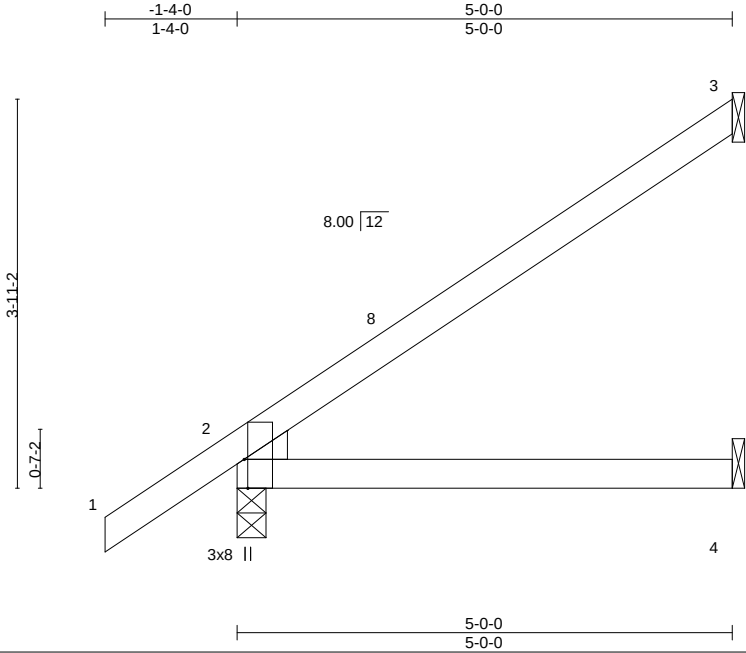


Plate Offsets (X,Y)--		[2:0-3-8,Edge]	
LOADING (psf)		SPACING-	2-0-0
TCLL 20.0		Plate Grip DOL	1.25
TCDL 7.0		Lumber DOL	1.25
BCLL 0.0 *		Rep Stress Incr	YES
BCDL 10.0		Code	FBC2023/TPI2014
		CSI.	
		TC 0.48	
		BC 0.43	
		WB 0.00	
		Matrix-MP	
		DEFL.	
		in (loc)	I/defl L/d
		Vert(LL) 0.06 4-7 >933	240
		Vert(CT) -0.06 4-7 >946	180
		Horz(CT) -0.02 3 n/a	n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 20 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEDGE	
Left: 2x4 SP No.3	

REACTIONS. (size) 3=Mechanical, 2=0-3-8, 4=Mechanical
Max Horz 2=202(LC 12)
Max Uplift 3=128(LC 12), 2=77(LC 12), 4=15(LC 12)
Max Grav 3=133(LC 19), 2=264(LC 1), 4=89(LC 3)

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

- 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 4-11-4 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4 except (jt=lb) 3=128.

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Date:

August 22,2024

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	EJ03	Jack-Closed	19	1	T34801271

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:17 2024 Page 1
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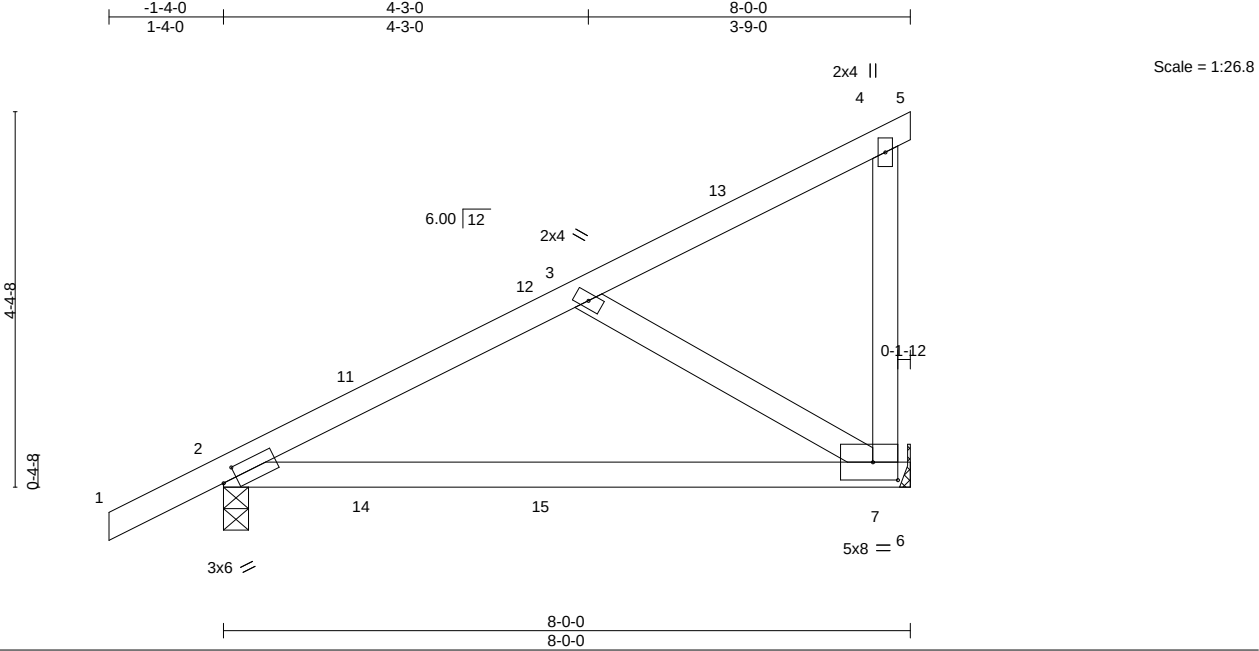


Plate Offsets (X,Y)--		[2:0-1-15,0-1-8], [7:0-3-8,0-2-8]											
LOADING (psf)		SPACING-	2-0-0		CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25		TC	0.46	Vert(LL)	0.12	7-10	>789	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25		BC	0.42	Vert(CT)	-0.17	7-10	>557	180		
BCLL	0.0 *	Rep Stress Incr	YES		WB	0.12	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014		Matrix-MS							Weight: 39 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 8-10-5 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 7=Mechanical
Max Horz 2=211(LC 12)
Max Uplift 2=-143(LC 9), 7=-186(LC 9)
Max Grav 2=363(LC 1), 7=289(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-304/170
BOT CHORD 2-7=-370/257
WEBS 3-7=-274/390

- 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 8-0-0 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) 2=143, 7=186.

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Joaquin Velez PE No.68182
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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

August 22,2024

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801272
4152007	EJ04	Jack-Partial Girder	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:18 2024 Page 1
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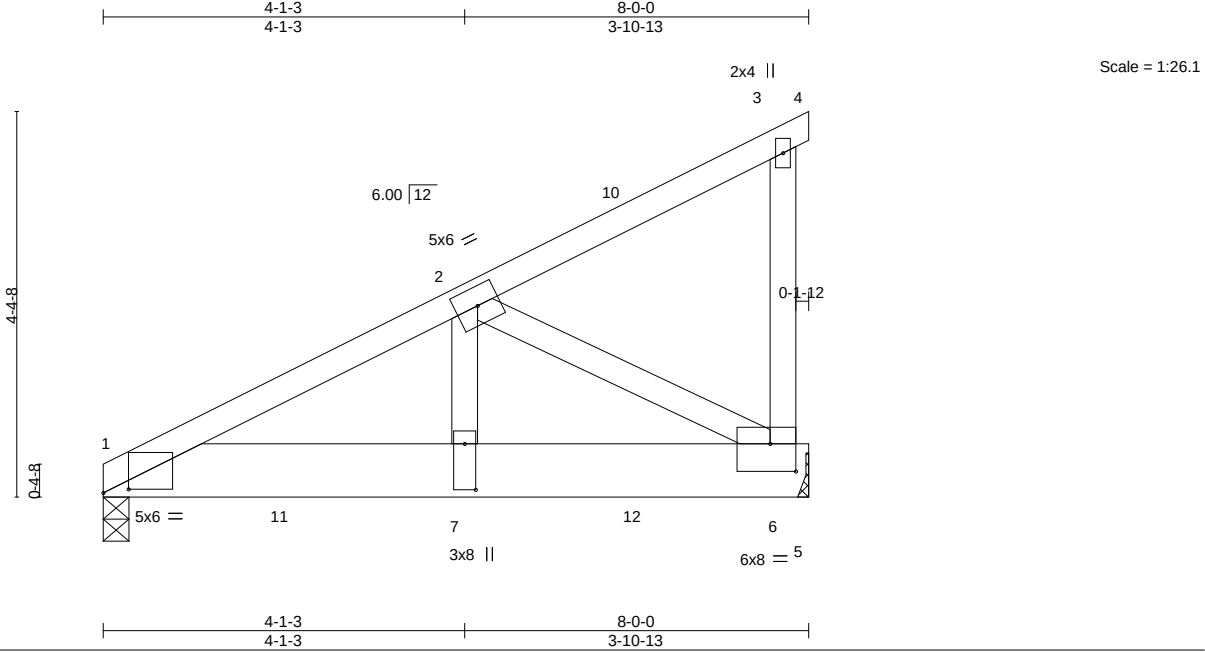


Plate Offsets (X,Y)--		[1:0-3-7,0-0-8], [6:0-3-8,0-3-12], [7:0-6-4,0-1-8]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.03	7-9	>999	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.05	7-9	>999		
BCLL	0.0 **	Rep Stress Incr	NO	WB	0.75	Horz(CT)	0.01	6	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS					Weight: 51 lb FT = 20%		

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-9-15 oc purlins.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size) 1=0-3-8, 6=Mechanical
	Max Horz 1=179(LC 8)
	Max Uplift 1=-622(LC 8), 6=-736(LC 8)
	Max Grav 1=1527(LC 2), 6=1642(LC 2)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-2227/879
BOT CHORD	1-7=-907/1981, 6-7=-907/1981
WEBS	2-7=-741/1882, 2-6=-2253/1032

- 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; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=622, 6=736.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 892 lb down and 385 lb up at 2-0-12, and 892 lb down and 385 lb up at 4-0-12, and 892 lb down and 385 lb up at 6-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-14, 1-5=-20
Concentrated Loads (lb)
Vert: 7=-845(F) 11=-845(F) 12=-845(F)

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801273
4152007	EJ05	Jack-Closed	3	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:18 2024 Page 1
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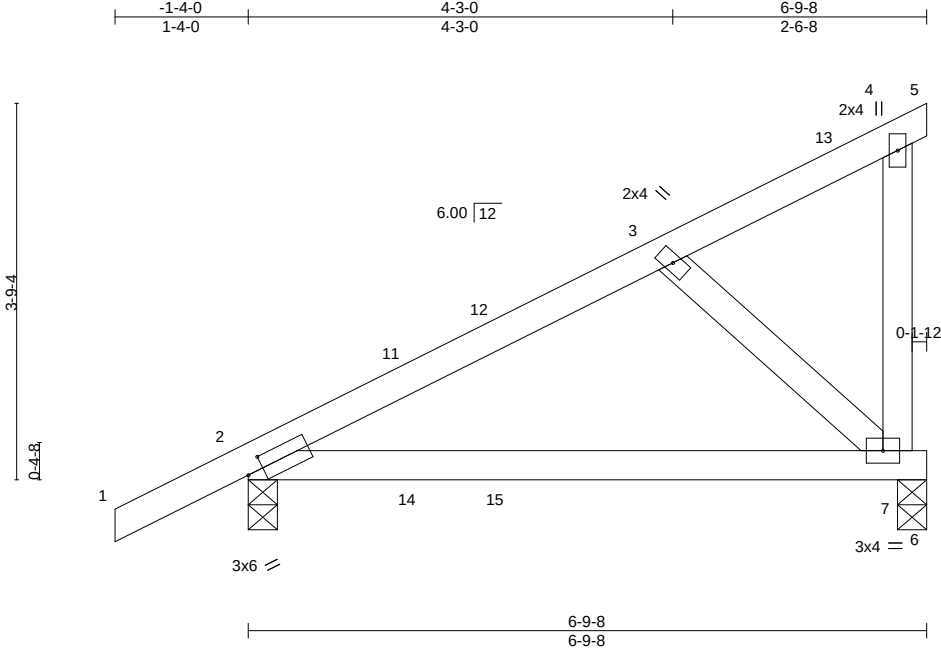


Plate Offsets (X,Y)--		[2:0-1-15,0-1-8]			
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.31	Vert(LL) 0.09 7-10 >841 240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.37	Vert(CT) -0.12 7-10 >674 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.11	Horz(CT) 0.00 2 n/a n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MP		Weight: 33 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=190(LC 12)
Max Uplift 2=-124(LC 9), 7=-157(LC 9)
Max Grav 2=320(LC 1), 7=243(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 2-7=-270/167
WEBS 3-7=-224/364

- 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 6-9-8 zone; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=124, 7=157.

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

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801274
4152007	HJ08	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:19 2024 Page 1
ID:kTGGBlQg0CU2lyF5gJEiUyqKJ2-flcp?FCKQldSFp0UJU9St5zKHZlkLgZZjEP8caylbwU

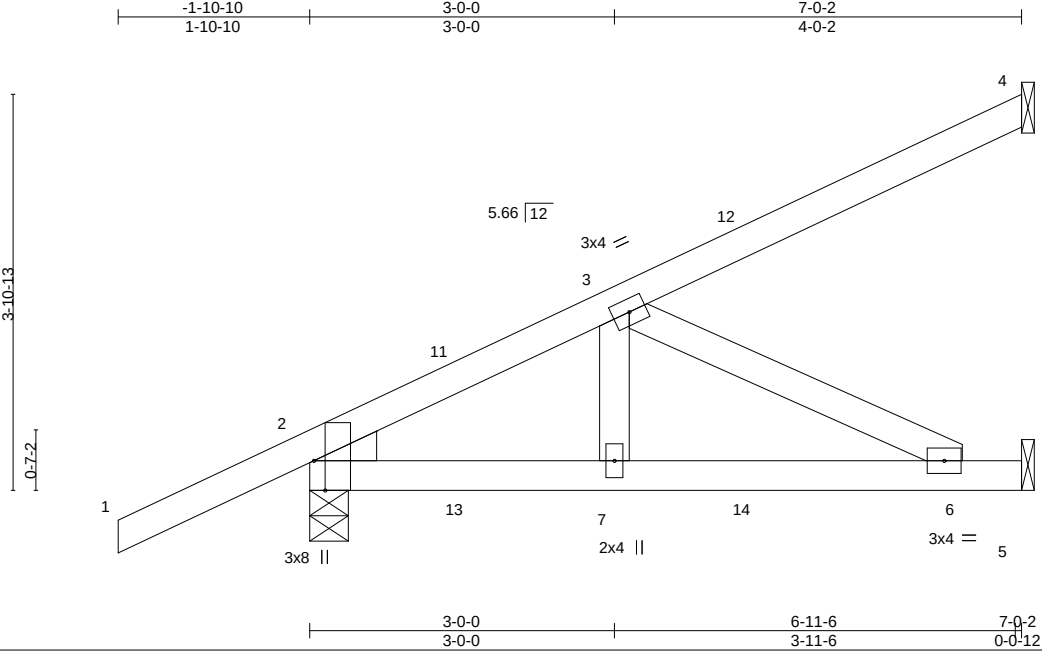


Plate Offsets (X,Y)--		[2:0-3-8,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.24
TCDL 7.0	Lumber DOL	1.25	BC 0.28
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.10
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.03 6-7 >999 240
			Vert(CT) -0.04 6-7 >999 180
			Horz(CT) -0.00 4 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 34 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	

REACTIONS.	(size) 4=Mechanical, 2=0-4-9, 5=Mechanical
	Max Horz 2=201(LC 8)
	Max Uplift 4=-93(LC 8), 2=-189(LC 8), 5=-106(LC 8)
	Max Grav 4=97(LC 21), 2=376(LC 1), 5=162(LC 3)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-404/142
BOT CHORD	2-7=-251/276, 6-7=-251/276
WEBS	3-6=-308/280

- 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; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 2=189, 5=106.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 59 lb up at 1-6-1, 87 lb down and 59 lb up at 1-6-1, and 112 lb down and 74 lb up at 4-4-0, and 112 lb down and 74 lb up at 4-4-0 on top chord, and 13 lb down and 37 lb up at 1-6-1, 13 lb down and 37 lb up at 1-6-1, and 30 lb down and 18 lb up at 4-4-0, and 30 lb down and 18 lb up at 4-4-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 5-8=-20
Concentrated Loads (lb)
Vert: 14=-10(F=-5, B=-5)

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:

August 22,2024

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

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801275
4152007	HJ10	Diagonal Hip Girder	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:19 2024 Page 1
ID:kTGGBIQg0CU2lyFI5gJEiUyqKJ2-flcp?FCKQldSFp0UJU9St5zDNzgALbwZjEP8caylbwU

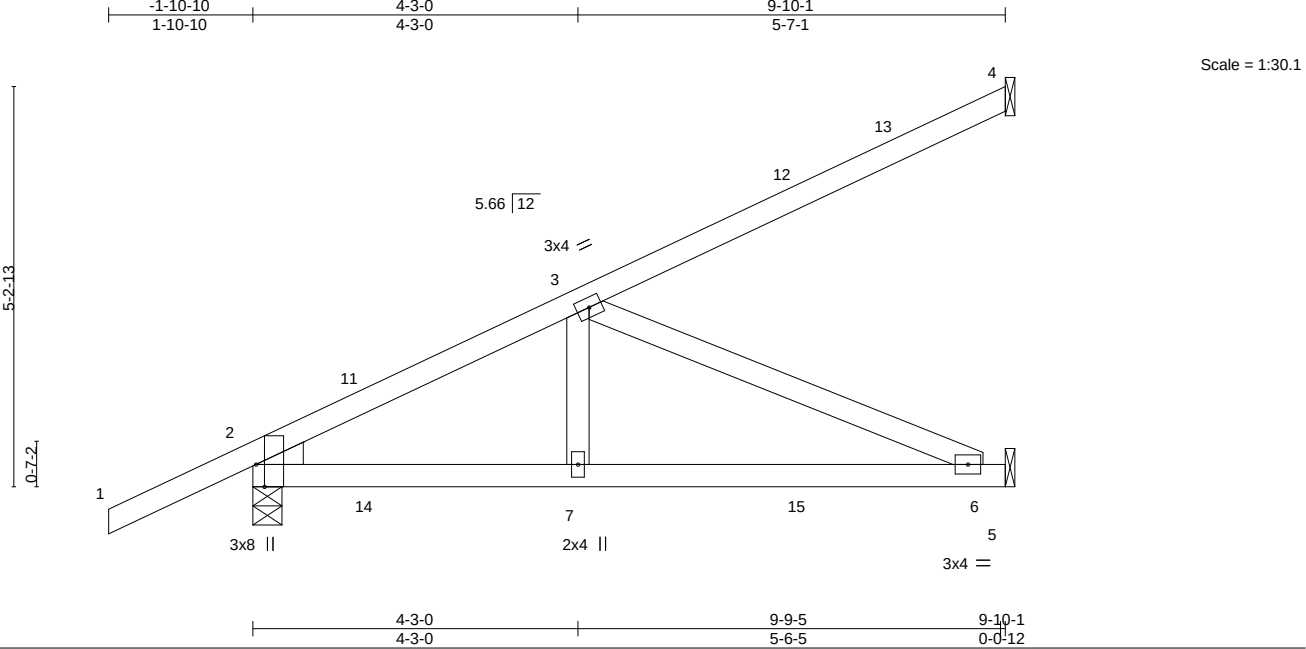


Plate Offsets (X,Y)-- [2:0-3-8,Edge]		4-3-0		9-9-5		9-10-1	
		4-3-0		5-6-5		0-0-12	
LOADING (psf)		SPACING-		CSI.		DEFL.	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.68	in (loc)	I/defl
TCDL	7.0	Lumber DOL	1.25	BC	0.64	6-7	>999
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.40	6-7	>874
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		4	n/a
						PLATES	
						MT20	
						GRIP	
						244/190	
						Weight: 46 lb	
						FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 8-1-10 oc bracing.
WEBS	2x4 SP No.3		
WEDGE			
Left: 2x4 SP No.3			
REACTIONS.			
(size) 4=Mechanical, 2=0-4-9, 5=Mechanical			
Max Horz 2=258(LC 8)			
Max Uplift 4=-159(LC 8), 2=-286(LC 8), 5=-212(LC 8)			
Max Grav 4=158(LC 1), 2=515(LC 1), 5=312(LC 35)			
FORCES.			
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.			
TOP CHORD	2-3=-718/370		
BOT CHORD	2-7=-489/558, 6-7=-489/558		
WEBS	3-7=-26/275, 3-6=-608/533		

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; 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) 4=159, 2=286, 5=212.	
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 87 lb down and 59 lb up at 1-6-1, 87 lb down and 59 lb up at 1-6-1, 112 lb down and 74 lb up at 4-4-0, 112 lb down and 74 lb up at 4-4-0, and 148 lb down and 137 lb up at 7-1-15, and 148 lb down and 137 lb up at 7-1-15 on top chord, and 13 lb down and 37 lb up at 1-6-1, 13 lb down and 37 lb up at 1-6-1, 30 lb down and 18 lb up at 4-4-0, 30 lb down and 18 lb up at 4-4-0, and 53 lb down and 31 lb up at 7-1-15, and 53 lb down and 31 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.	
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).	
LOAD CASE(S) Standard	
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-4=-54, 5-8=-20	

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Date:

August 22,2024

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	HJ10	Diagonal Hip Girder	2	1	T34801275
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:20 2024 Page 2
ID:kTGGBIQg0CU2lyFI5gJEiUyqKJ2-7U9CDBdyBclJszbhtCghQIVO7N0P429jyu8h80ylbwT

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 7=-10(F=-5, B=-5) 12=-73(F=-37, B=-37) 15=-63(F=-32, B=-32)

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

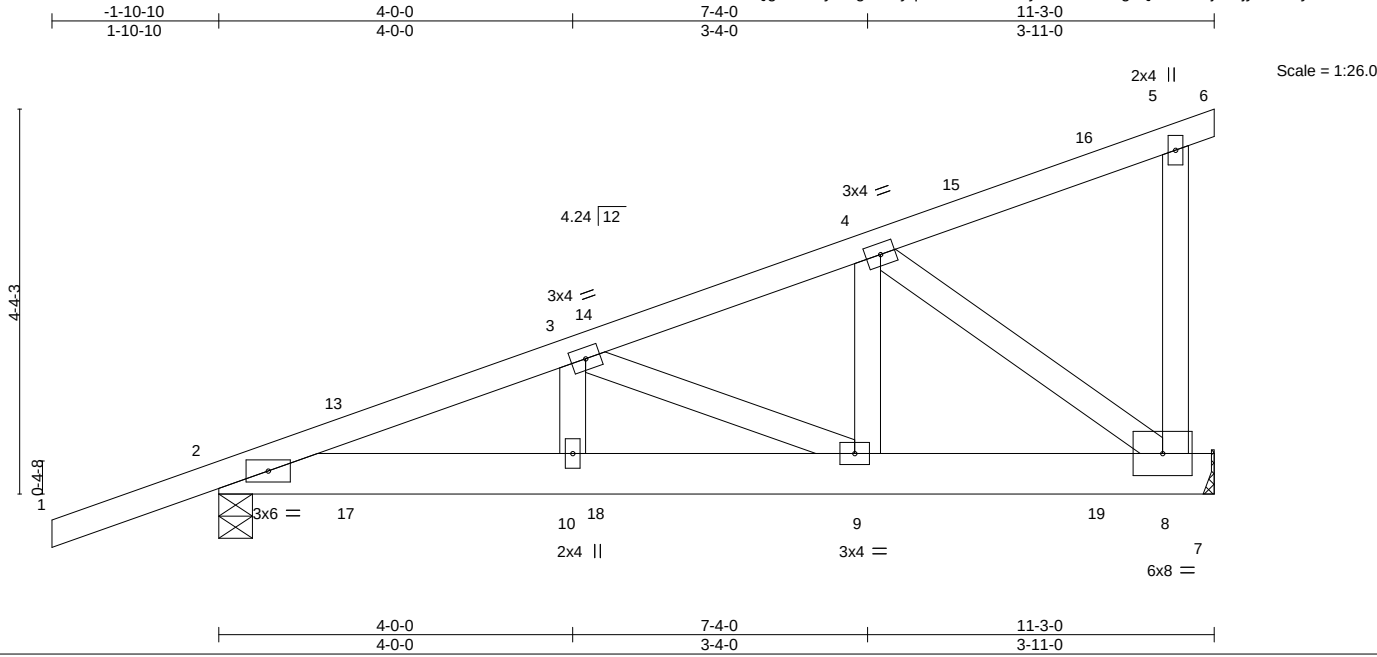
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801276
4152007	HJ12	Diagonal Hip Girder	4	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:20 2024 Page 1
ID:KTGGBIQg0CU2lyFI5gJEiUyqKJ2-7U9CDbDyBclJszbhtCghQIVudN2j44kju8h80ylbwT



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.26	Vert(LL)	0.04	8-9	>999	MT20	244/190
TCDL 7.0	Plate Grip DOL 1.25	BC 0.49	Vert(CT)	-0.04	8-9	>999		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.30	Horz(CT)	-0.01	7	n/a		
BCDL 10.0	Rep Stress Incr NO	Matrix-MS					Weight: 68 lb	FT = 20%
	Code FBC2023/TPI2014							

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 8-3-4 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-4-9, 7=Mechanical
Max Horz 2=227(LC 24)
Max Uplift 2=-497(LC 4), 7=-611(LC 4)
Max Grav 2=510(LC 1), 7=765(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-885/696, 3-4=-741/513
BOT CHORD 2-10=-780/835, 9-10=-780/835, 8-9=-557/674
WEBS 4-9=-319/473, 4-8=-810/669

- 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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=497, 7=611.
 - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 82 lb down and 59 lb up at 1-6-1, 82 lb down and 59 lb up at 1-6-1, 29 lb down and 61 lb up at 4-4-0, 29 lb down and 61 lb up at 4-4-0, 52 lb down and 114 lb up at 7-1-15, 52 lb down and 114 lb up at 7-1-15, and 23 lb down and 64 lb up at 9-11-14, and 23 lb down and 64 lb up at 9-11-14 on top chord, and 52 lb down and 42 lb up at 1-6-1, 52 lb down and 42 lb up at 1-6-1, 20 lb down and 36 lb up at 4-4-0, 20 lb down and 36 lb up at 4-4-0, 42 lb down and 22 lb up at 7-1-15, 42 lb down and 22 lb up at 7-1-15, and 153 lb down and 153 lb up at 9-11-14, and 153 lb down and 153 lb up at 9-11-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-6=-54, 2-7=-20

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Date:

August 22,2024

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	HJ12	Diagonal Hip Girder	4	1	T34801276
					Job Reference (optional)

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:20 2024 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 9=-62(F=-31, B=-31) 4=-75(F=-37, B=-37) 13=116(F=58, B=58) 16=-6(F=-3, B=-3) 18=-10(F=-5, B=-5) 19=-305(F=-153, B=-153)

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801277
4152007	PB01	GABLE	17	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:21 2024 Page 1
ID:KTGGBlQg0CU2IyFI5gJEiUyqKJ2-bhjaQxEayvtAU79tRvBwzW2h4nUApaFsBYuFgTylbwS

7-6-0
7-6-0
15-0-0
7-6-0

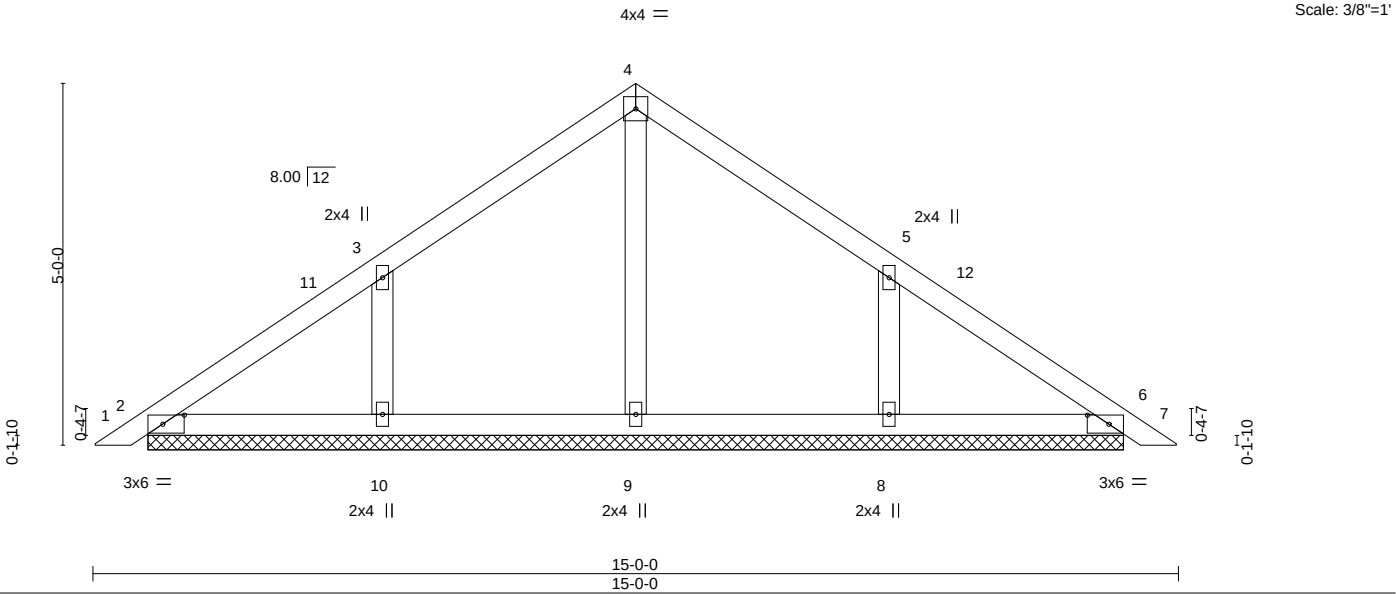


Plate Offsets (X,Y)--		[2:0-3-9,0-1-8], [6:0-3-9,0-1-8]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.15	Vert(LL)	0.00	7	n/r	120	MT20
TCDL 7.0	Lumber DOL	1.25	BC 0.09	Vert(CT)	0.00	7	n/r	120	244/190
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.09	Horz(CT)	0.00	6	n/a	n/a	
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-S						
								Weight: 59 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 13-5-12.
(lb) - Max Horz 2=-153(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 6 except 8=-233(LC 13), 10=-233(LC 12)
Max Grav All reactions 250 lb or less at joint(s) 2, 6, 9 except 8=330(LC 20), 10=331(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-8=-249/294, 3-10=-249/293

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 7-6-0, Zone2 7-6-0 to 11-8-15, Zone1 11-8-15 to 14-8-11 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 4-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6 except (jt=lb) 8=233, 10=233.
 - 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	HARTLEY - ROZEAR RES.
4152007	PB01G	GABLE	1	1	T34801278

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:21 2024 Page 1
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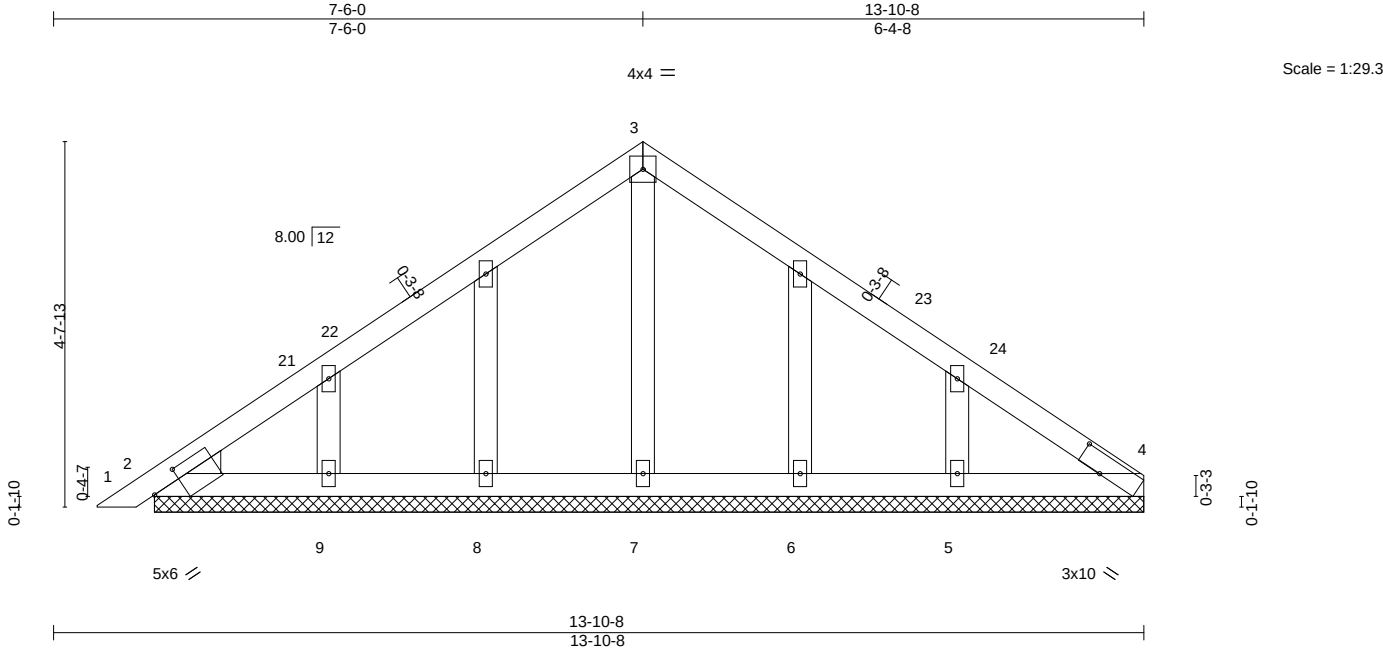


Plate Offsets (X,Y)--		[2:0-4-7,0-1-12], [4:0-3-13,0-2-15]	
LOADING (psf)	SPACING-	CSL.	DEFL.
TCLL 20.0	Plate Grip DOL 1.25	TC 0.68	in (loc) l/defl L/d
TCDL 7.0	Lumber DOL 1.25	BC 0.94	Vert(LL) -0.01 1-2 n/r 120
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Vert(CT) -0.02 1-2 n/r 120
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS	Horz(CT) -0.01 2 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 61 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
OTHERS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3	

REACTIONS. All bearings 12-7-2.
(lb) - Max Horz 4=140(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 4, 7, 4 except 8=316(LC 1), 9=333(LC 12), 6=272(LC 1), 5=303(LC 13)
Max Grav All reactions 250 lb or less at joint(s) 4, 7, 8, 6 except 9=700(LC 1), 5=638(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=307/238, 3-4=302/240

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-9-10 to 3-9-10, Zone1 3-9-10 to 7-6-0, Zone2 7-6-0 to 11-8-15, Zone1 11-8-15 to 13-9-8 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 7, 4 except (jt=lb) 8=316, 9=333, 6=272, 5=303.
 - 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
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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

August 22,2024

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	PB02G	GABLE	1	1	T34801279

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:22 2024 Page 1
ID:KTGGBlQg0CU2lyFI5gJEiUyqKJ2-4tHyeGFCjD?16Hk3_ci9VjbsCBqBY2y?QCdoDvylbwR

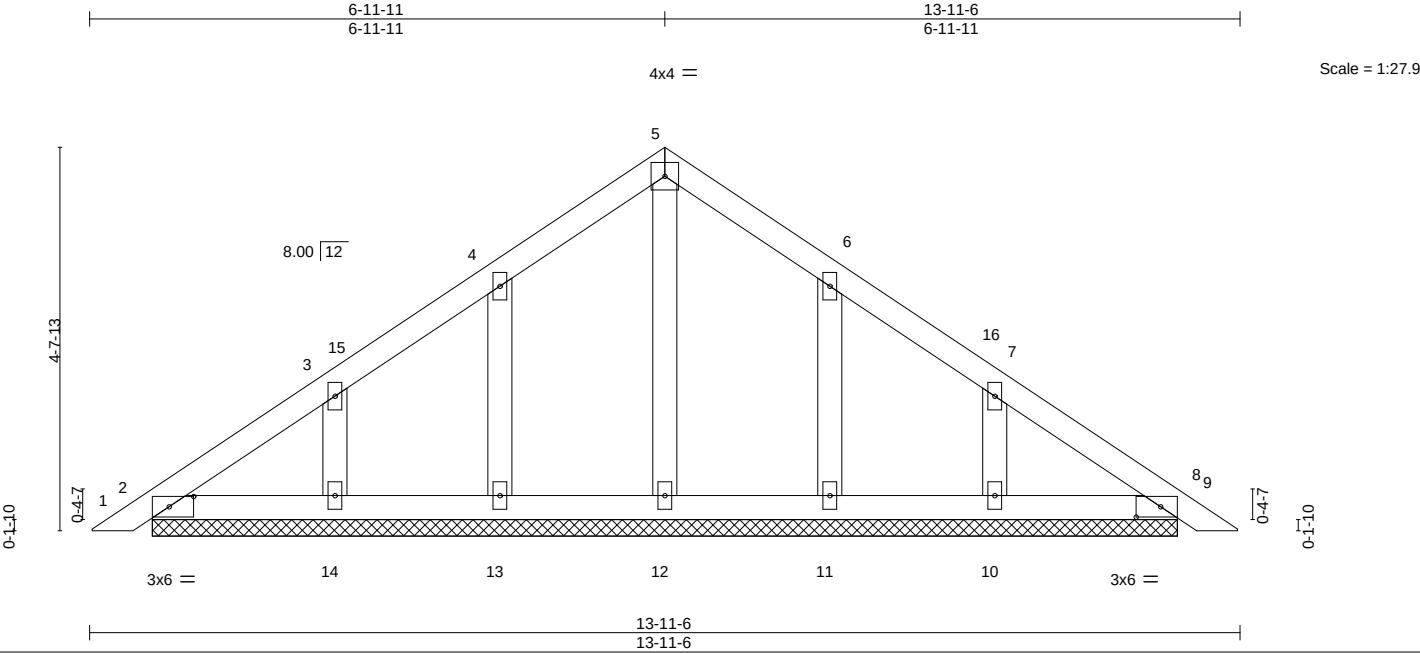


Plate Offsets (X,Y)--		[2:0-3-9,0-1-8], [8:0-3-9,0-1-8]								
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL 1.25		TC 0.07		Vert(LL) 0.00 8	n/r	120	MT20	244/190
TCDL 7.0		Lumber DOL 1.25		BC 0.04		Vert(CT) 0.00 8	n/r	120		
BCLL 0.0 *		Rep Stress Incr YES		WB 0.06		Horz(CT) 0.00 8	n/a	n/a		
BCDL 10.0		Code FBC2023/TPI2014		Matrix-S					Weight: 61 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
OTHERS 2x4 SP No.3	

REACTIONS. All bearings 12-5-2.
(lb) - Max Horz 2=-142(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8 except 13=-115(LC 12), 14=-138(LC 12), 11=-114(LC 13), 10=-137(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-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 6-11-11, Zone2 6-11-11 to 10-11-11, Zone1 10-11-11 to 13-8-1 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 2x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8 except (jt=lb) 13=115, 14=138, 11=114, 10=137.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

August 22,2024

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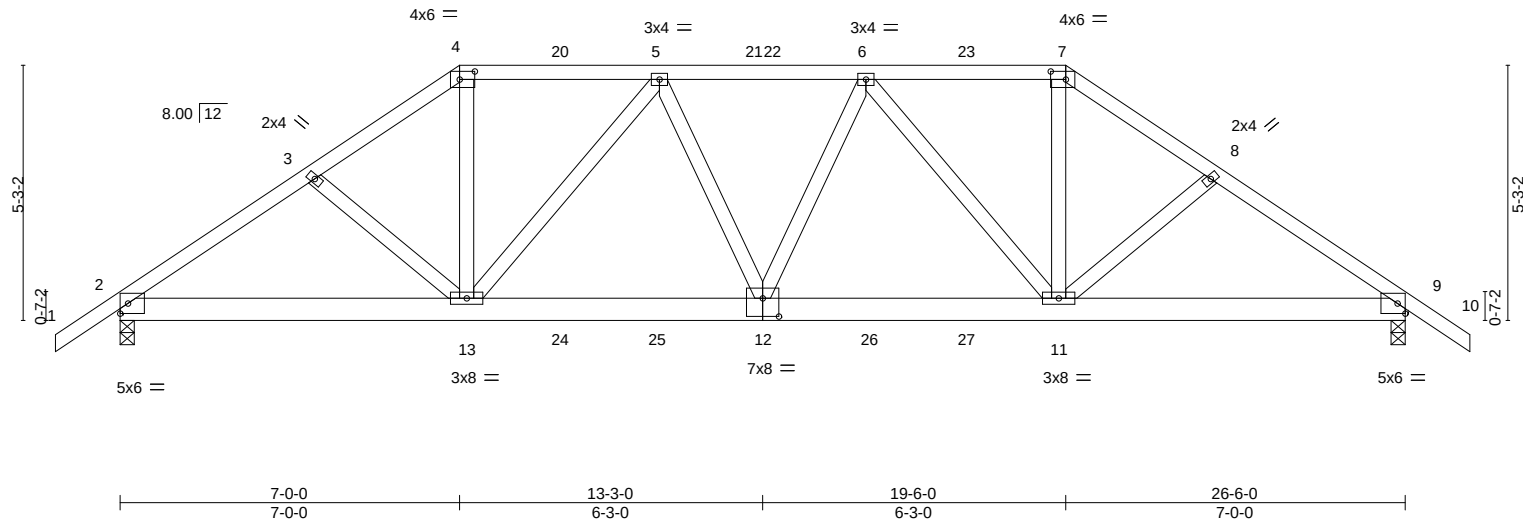
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801280
4152007	T01	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Lake City, FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:23 2024 Page 1
ID:KTGGBIQg0CU2lyFI5gJEiUyqKJ2-Y3rKrcGrUX7ujRJGYKDO2x7uXb_GHKj9esNMILylbwQ
1-4-0 4-0-2 7-0-0 11-1-7 15-4-9 19-6-0 22-5-14 26-6-0 27-10-0
1-4-0 4-0-2 2-11-14 4-1-7 4-3-2 4-1-7 2-11-14 4-0-2 1-4-0
Scale = 1:47.5



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.67	Vert(LL)	0.22 11-12 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.82	Vert(CT)	-0.26 11-12 >999 180				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.73	Horz(CT)	0.08 9 n/a n/a				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
								Weight: 168 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 2-10-15 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 4-11-4 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS. (size) 2=0-3-8, 9=0-3-8
Max Horz 2=-178(LC 6)
Max Uplift 2=-1314(LC 8), 9=-1357(LC 9)
Max Grav 2=2047(LC 1), 9=2086(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3141/2073, 3-4=-2998/2049, 4-5=-2506/1778, 5-6=-3279/2281, 6-7=-2559/1837,
7-8=-3063/2123, 8-9=-3206/2147
BOT CHORD 2-13=-1710/2593, 12-13=-2075/3092, 11-12=-2072/3111, 9-11=-1651/2595
WEBS 4-13=-943/1422, 5-13=-970/759, 5-12=-345/541, 6-12=-279/477, 6-11=-907/674,
7-11=-885/1377

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=1314, 9=1357.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 95 lb down and 78 lb up at 7-0-0, 95 lb down and 75 lb up at 9-0-12, 95 lb down and 75 lb up at 11-0-12, 95 lb down and 71 lb up at 13-0-12, 95 lb down and 71 lb up at 13-5-4, 95 lb down and 75 lb up at 15-5-4, and 95 lb down and 75 lb up at 17-5-4, and 264 lb down and 245 lb up at 19-6-0 on top chord, and 439 lb down and 366 lb up at 7-0-0, 165 lb down and 126 lb up at 9-0-12, 165 lb down and 126 lb up at 11-0-12, 165 lb down and 126 lb up at 13-0-12, 165 lb down and 126 lb up at 13-5-4, 165 lb down and 126 lb up at 15-5-4, and 165 lb down and 126 lb up at 17-5-4, and 439 lb down and 366 lb up at 19-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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Chesterfield, MO 63017
Date:

August 22,2024

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	T01	Hip Girder	1	1	T34801280
Job Reference (optional)					

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:23 2024 Page 2
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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 7-10=-54, 14-17=-20

Concentrated Loads (lb)

Vert: 4=-23(B) 7=-104(B) 12=-306(B) 13=-423(B) 5=-23(B) 6=-23(B) 11=-423(B) 20=-23(B) 21=-23(B) 22=-23(B) 23=-23(B) 24=-153(B) 25=-153(B) 26=-153(B) 27=-153(B)

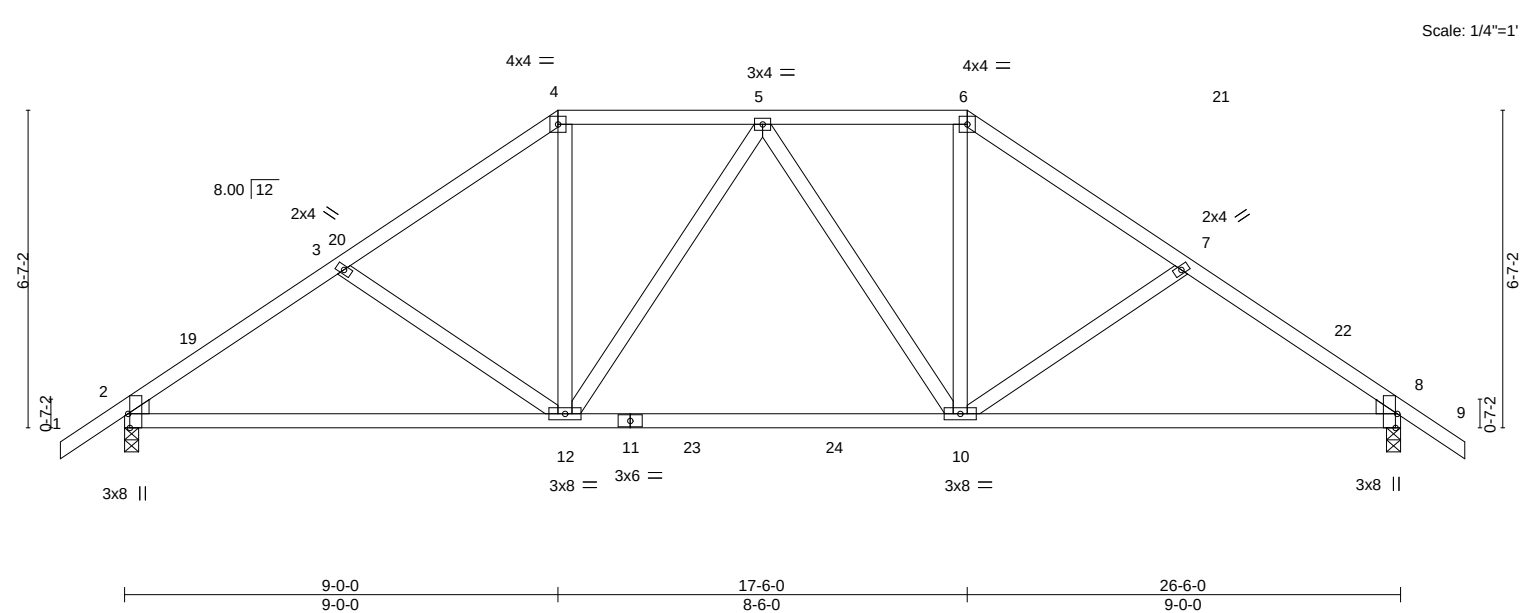
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801281
4152007	T02	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:24 2024 Page 1
ID:KTGGBIQg0CU2lyFI5gJEiUyqKJ2-0GPI2yGTEqFILbuS61kda8gAt_Lw0vXlTW6vHoylbwP



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	-0.16 10-12 >999 240	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.23 10-12 >999 180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.25	Horz(CT)	0.05 8 n/a n/a				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
								Weight: 146 lb		FT = 20%	

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3
WEDGE
Left: 2x4 SP No.3 , Right: 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-10-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-0 oc bracing.

REACTIONS. (size) 2=0-3-8, 8=0-3-8
Max Horz 2=-220(LC 10)
Max Uplift 2=-428(LC 12), 8=-428(LC 13)
Max Grav 2=1128(LC 2), 8=1128(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1488/561, 3-4=-1324/489, 4-5=-1062/471, 5-6=-1062/471, 6-7=-1324/489, 7-8=-1488/562
BOT CHORD 2-12=-488/1248, 10-12=-313/1127, 8-10=-340/1201
WEBS 3-12=-282/252, 4-12=-147/523, 6-10=-146/523, 7-10=-282/253

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 9-0-0, Zone2 9-0-0 to 13-3-0, Zone1 13-3-0 to 17-6-0, Zone2 17-6-0 to 21-8-15, Zone1 21-8-15 to 27-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, 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=428, 8=428.

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Date:

August 22,2024

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801282
4152007	T03	Hip	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:24 2024 Page 1
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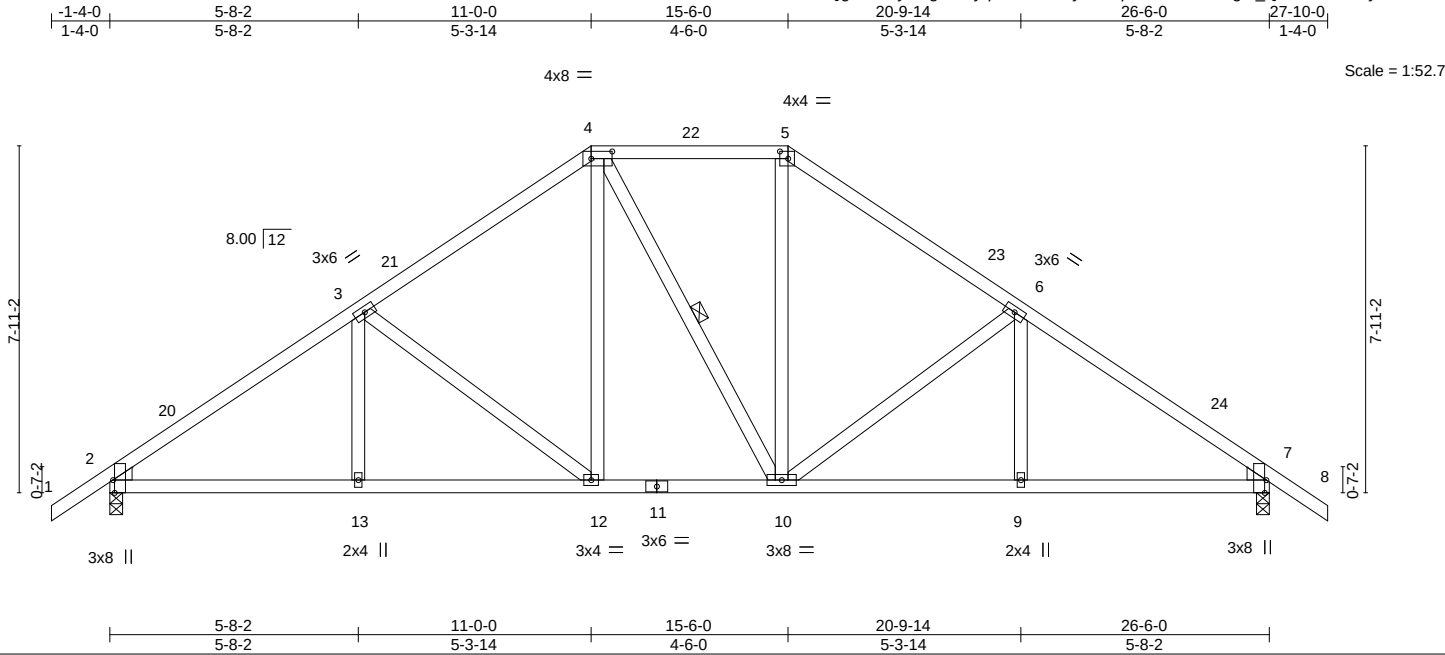


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [4:0-5-12,0-2-0], [5:0-2-4,0-2-0], [7:0-3-8,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.35
TCDL 7.0	Lumber DOL	1.25	BC 0.41
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.36
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) -0.05 12-13 >999 240
			Vert(CT) -0.11 12-13 >999 180
			Horz(CT) 0.04 7 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 157 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-4 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 8-6-15 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 4-10
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 7=0-3-8
Max Horz 2=-263(LC 10)
Max Uplift 2=-421(LC 12), 7=-421(LC 13)
Max Grav 2=1053(LC 1), 7=1053(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1403/521, 3-4=-1085/481, 4-5=-835/461, 5-6=-1085/480, 6-7=-1403/521
BOT CHORD 2-13=-467/1101, 12-13=-467/1101, 10-12=-223/835, 9-10=-315/1101, 7-9=-315/1101
WEBS 3-12=-413/307, 4-12=-152/341, 5-10=-139/341, 6-10=-413/308

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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 11-0-0, Zone3 11-0-0 to 15-6-0, Zone2 15-6-0 to 19-8-15, Zone1 19-8-15 to 27-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=421, 7=421.

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	T05	Common	5	1	T34801284

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:25 2024 Page 1
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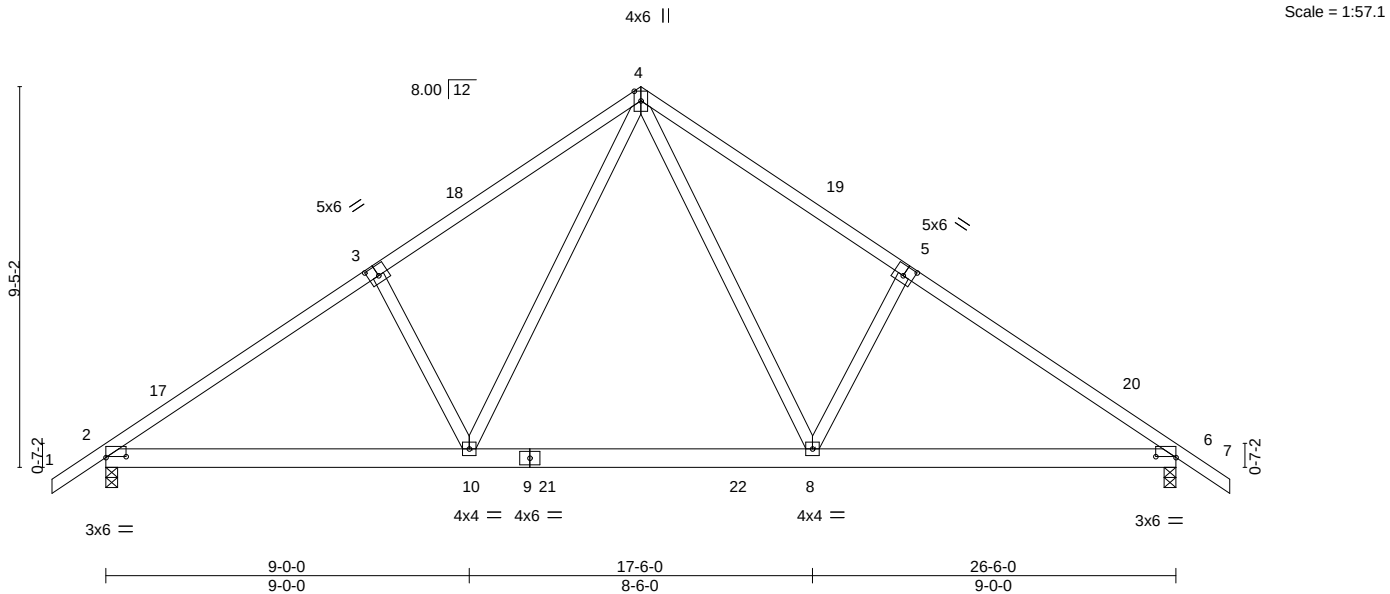


Plate Offsets (X,Y)--		[2:0-6-0,0-0-5], [3:0-3-0,0-3-0], [5:0-3-0,0-3-0], [6:0-6-0,0-0-5]										
LOADING (psf)		SPACING-	2-0-0		CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25		TC 0.70		Vert(LL)	-0.16 8-10	>999	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25		BC 0.74		Vert(CT)	-0.29 8-10	>999	180		
BCLL 0.0 *		Rep Stress Incr	NO		WB 0.89		Horz(CT)	0.03 6	n/a	n/a		
BCDL 10.0		Code	FBC2023/TPI2014		Matrix-MS						Weight: 158 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-5-5 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 9-0-4 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 6=0-3-8
Max Horz 2=-310(LC 10)
Max Uplift 2=-533(LC 12), 6=-533(LC 13)
Max Grav 2=1482(LC 19), 6=1482(LC 20)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2063/732, 3-4=-1954/809, 4-5=-1954/809, 5-6=-2064/732
BOT CHORD 2-10=-657/1850, 8-10=-289/1221, 6-8=-479/1652
WEBS 4-8=-471/1087, 5-8=-370/374, 4-10=-471/1087, 3-10=-369/374

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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 13-3-0, Zone2 13-3-0 to 17-5-15, Zone1 17-5-15 to 27-10-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=533, 6=533.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 10-11=-20, 8-10=-80(F=-60), 8-14=-20

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:

August 22,2024

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

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

MiTek®

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801285
4152007	T06	FINK	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:26 2024 Page 1
ID:kTGGBlQg0CU2lyFl5gJEiUyqKJ2-yeXTTelmRVTAu2qDSn5gZlPMo1KUdibKpb0MgylbwN

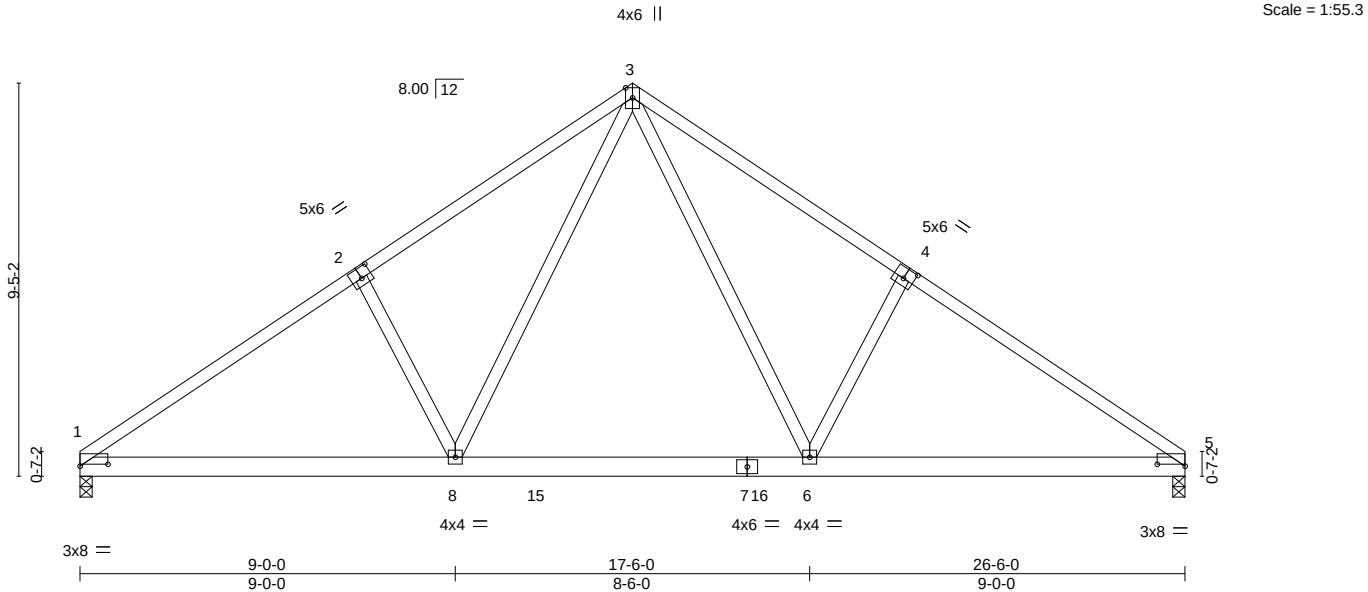


Plate Offsets (X,Y)--	[1:0-8-0,0-0-9], [2:0-3-0,0-3-0], [4:0-3-0,0-3-0], [5:0-8-0,0-0-9]
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LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.70	Vert(LL)	-0.16	6-8	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.73	Vert(CT)	-0.28	6-8	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.91	Horz(CT)	0.03	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS						Weight: 153 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 3-3-11 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 8-9-11 oc bracing.
WEBS 2x4 SP No.3	

REACTIONS.	(size)
Max Horz 1=-281(LC 8)	1=0-3-8, 5=0-3-8
Max Uplift 1=-487(LC 12), 5=-487(LC 13)	
Max Grav 1=1411(LC 19), 5=1411(LC 20)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-2073/849, 2-3=-1964/922, 3-4=-1964/922, 4-5=-2073/849
BOT CHORD	1-8=-683/1845, 6-8=-311/1212, 5-6=-589/1643
WEBS	3-6=-479/1095, 4-6=-372/376, 3-8=-478/1095, 2-8=-372/376

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=487, 5=487.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S)	Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert: 1-3=-54, 3-5=-54, 8-9=-20, 6-8=-80(F=-60), 6-12=-20	

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Chesterfield, MO 63017
Date:

August 22,2024

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801286
4152007	T07	Common	3	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:27 2024 Page 1
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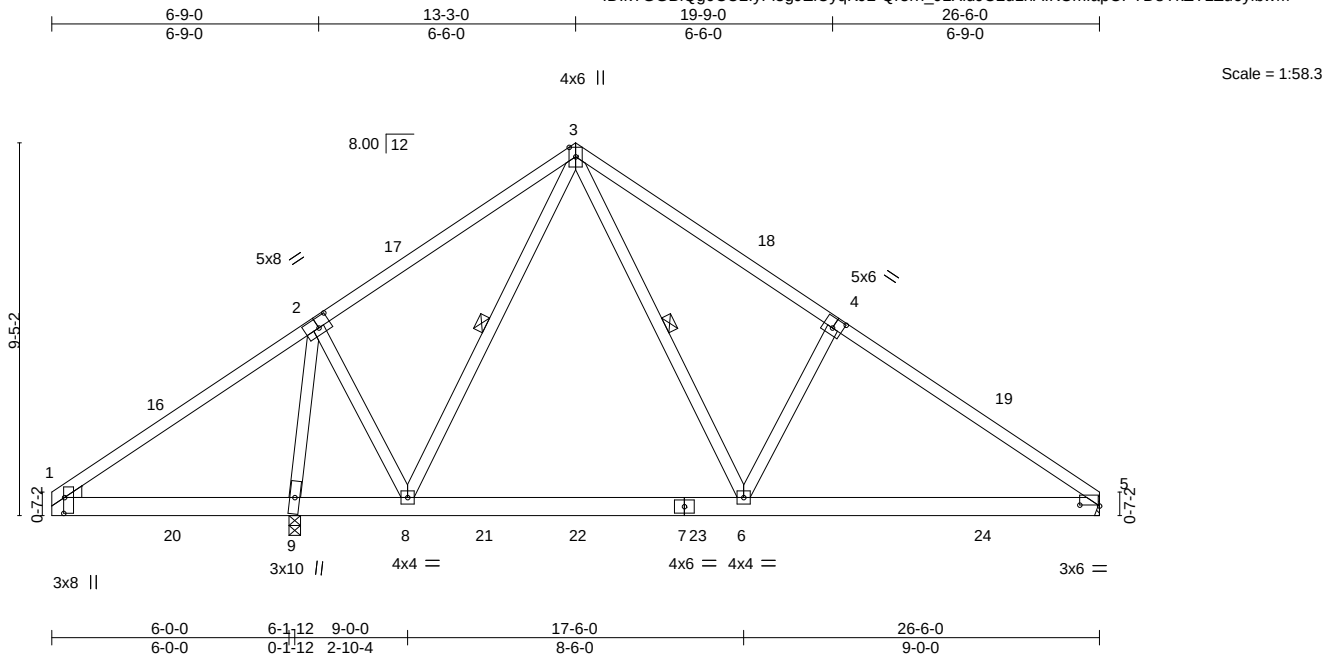


Plate Offsets (X,Y)--		[1:0-4-13,0-0-4], [2:0-3-12,0-3-0], [4:0-3-0,0-3-0], [5:0-6-0,0-0-5]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.65		Vert(LL)	0.27 6-8	>890	240	MT20	244/190
TCDL 7.0		Lumber DOL	1.25	BC 0.61		Vert(CT)	0.24 6-8	>999	180		
BCLL 0.0 *		Rep Stress Incr	NO	WB 0.68		Horz(CT)	0.01 5	n/a	n/a		
BCDL 10.0		Code FBC2023/TP12014		Matrix-MS						Weight: 160 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-8-12 oc purlins.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2x4 SP No.3	WEBS 1 Row at midpt 3-8, 3-6
WEDGE	
Left: 2x4 SP No.3	

REACTIONS.	(size) 9=0-3-8, 5=Mechanical
	Max Horz 9=-281(LC 8)
	Max Uplift 9=-633(LC 12), 5=-365(LC 8)
	Max Grav 9=1725(LC 20), 5=1013(LC 20)

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	1-2=-410/420, 2-3=-555/758, 3-4=-1273/1531, 4-5=-1382/1465
BOT CHORD	1-9=-282/427, 6-8=-417/547, 5-6=-1109/1062
WEBS	2-8=-1132/1101, 3-8=-393/225, 3-6=-1345/1109, 4-6=-380/379, 2-9=-1656/1860

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 13-3-0, Zone2 13-3-0 to 17-5-15, Zone1 17-5-15 to 26-6-0 zone; cantilever left exposed ; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=633, 5=365.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-54, 8-10=-20, 6-8=-80(F=-60), 6-13=-20

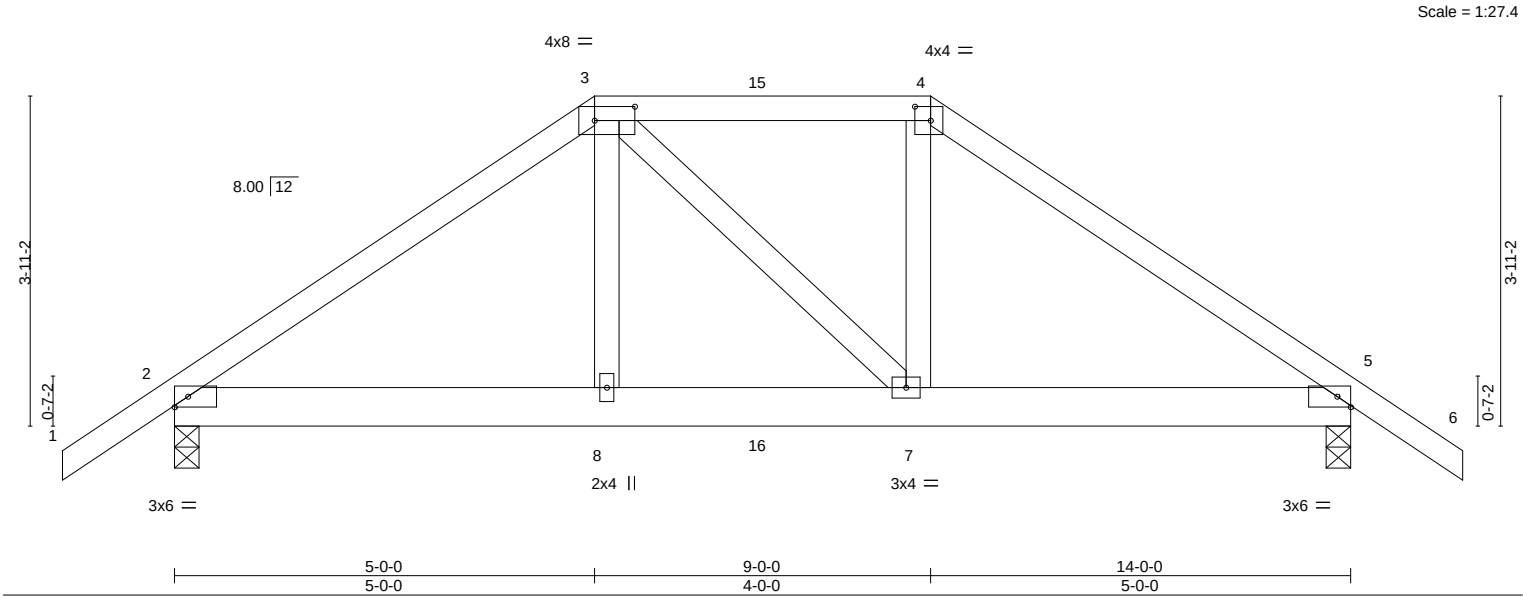
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16023 Swingley Ridge Rd.
Chesterfield, MO 63017
Date:

August 22,2024

Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801287
4152007	T08	Hip Girder	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:27 2024 Page 1
ID:kTGGBIqg0CU2IyFI5gJEiUyqKJ2-Qr5rh_JLXldJC2d1nAlKCmlewCUnDG2kZTLZu6ylbwM



LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	0.03	MT20		244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.27	Vert(CT)	-0.04				
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.13	Horz(CT)	-0.01				
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							
								Weight: 78 lb		FT = 20%	

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-4-2 oc purlins.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 9-5-12 oc bracing.
WEBS	2x4 SP No.3		

REACTIONS.	
(size)	2=0-3-8, 5=0-3-8
Max Horz	2=135(LC 28)
Max Uplift	2=-561(LC 8), 5=-560(LC 9)
Max Grav	2=873(LC 1), 5=879(LC 1)

FORCES.	
(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.	
TOP CHORD	2-3=-1127/758, 3-4=-890/693, 4-5=-1137/773
BOT CHORD	2-8=-591/914, 7-8=-596/926, 5-7=-560/895
WEBS	3-8=-134/345, 4-7=-117/343

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=561, 5=560.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 132 lb down and 132 lb up at 5-0-0, and 132 lb down and 118 lb up at 7-0-0, and 247 lb down and 228 lb up at 9-0-0 on top chord, and 201 lb down and 165 lb up at 5-0-0, and 55 lb down and 31 lb up at 7-0-0, and 201 lb down and 165 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard	
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25	
Uniform Loads (plf)	
Vert:	1-3=-54, 3-4=-54, 4-6=-54, 9-12=-20
Concentrated Loads (lb)	
Vert:	3=-59(B) 4=-80(B) 8=-167(B) 7=-167(B) 15=-59(B) 16=-40(B)

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Date:

August 22,2024

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MiTek®

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801288
4152007	T09	Common	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:28 2024 Page 1
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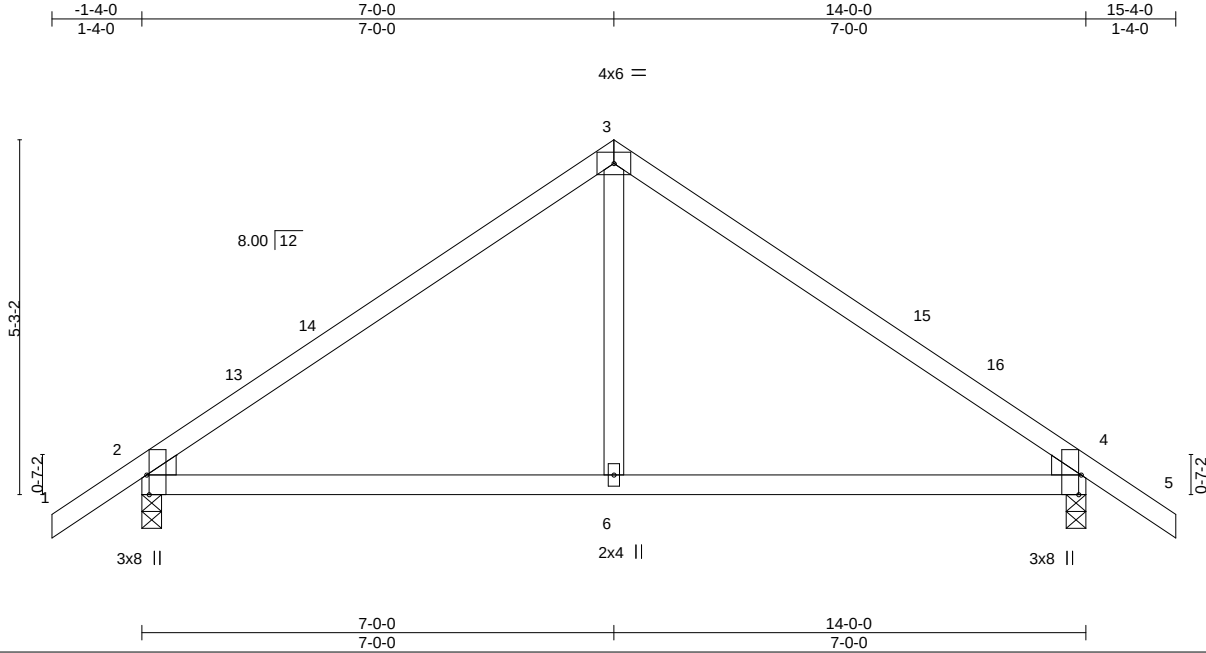


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [4:0-3-8,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51
TCDL 7.0	Lumber DOL	1.25	BC 0.46
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.10 6-9 >999 240
			Vert(CT) -0.12 6-9 >999 180
			Horz(CT) -0.02 2 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 59 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	

REACTIONS. (size) 2=0-3-8, 4=0-3-8
Max Horz 2=-177(LC 10)
Max Uplift 2=-239(LC 12), 4=-239(LC 13)
Max Grav 2=590(LC 1), 4=590(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-595/326, 3-4=-595/326
BOT CHORD 2-6=-95/437, 4-6=-95/437
WEBS 3-6=-36/310

- NOTES-**
- Unbalanced roof live loads HAVE been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=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 7-0-0, Zone2 7-0-0 to 11-2-15, Zone11 11-2-15 to 15-4-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=239, 4=239.

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Date:

August 22,2024

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MiTek®

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801289
4152007	T10	Common	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:28 2024 Page 1
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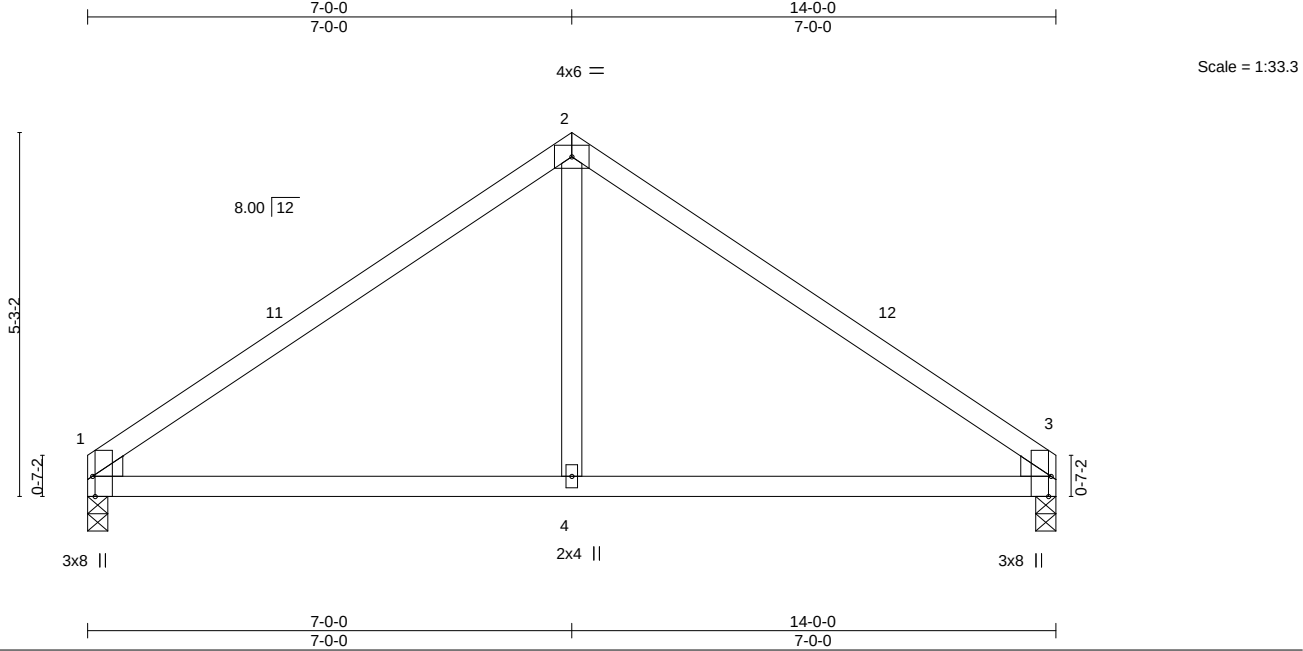


Plate Offsets (X,Y)--		[1:0-3-8,Edge], [3:0-3-8,Edge]							
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.53	Vert(LL)	0.12	4-7	>999	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.47	Vert(CT)	-0.13	4-7	>999		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.12	Horz(CT)	-0.02	1	n/a		
BCDL 10.0	Code	FBC2023/TPI2014	Matrix-MS					Weight: 55 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.
WEBS 2x4 SP No.3	
WEDGE	
Left: 2x4 SP No.3 , Right: 2x4 SP No.3	

REACTIONS. (size) 1=0-3-8, 3=0-3-8
Max Horz 1=-149(LC 10)
Max Uplift 1=-191(LC 12), 3=-191(LC 13)
Max Grav 1=518(LC 1), 3=518(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-609/355, 2-3=-609/351
BOT CHORD 1-4=-132/433, 3-4=-132/433
WEBS 2-4=-58/313

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-0-0 to 3-0-0, Zone1 3-0-0 to 7-0-0, Zone2 7-0-0 to 11-2-15, Zone1 11-2-15 to 14-0-0 zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6" tall by 2'-0" wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=191, 3=191.

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

August 22,2024

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

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801290
4152007	T11	Common Girder	1	2	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:29 2024 Page 1
ID:kTGGBIqg0CU2lyFI5gJEiUyqKJ2-MDCb6gKb3Mt1SMnPvbKoHBN00?9lh3x11nqgz?ylbwK

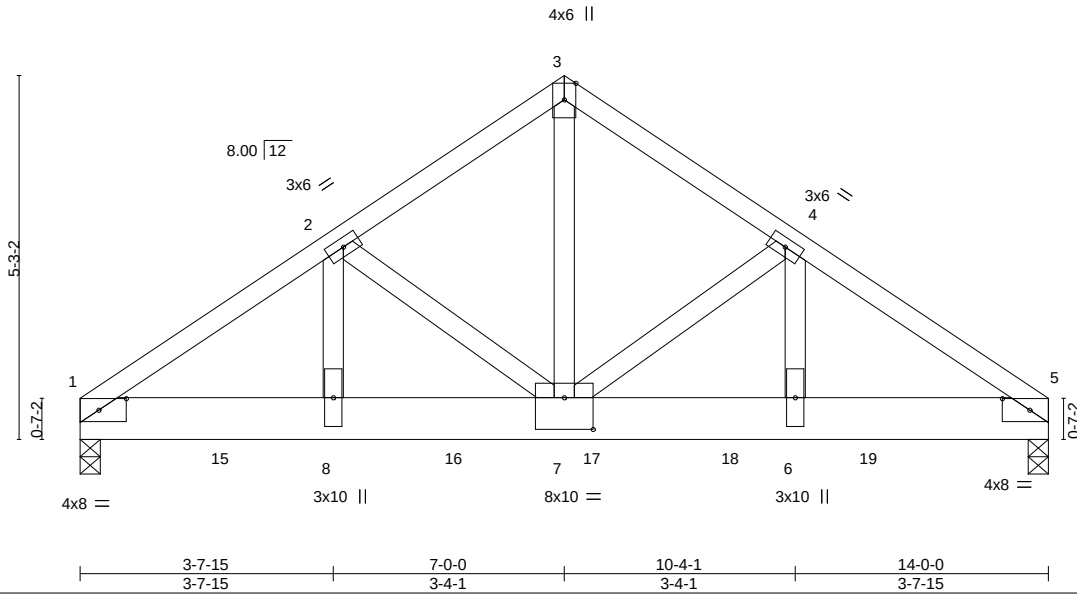


Plate Offsets (X,Y)--		[1:0-4-12,0-2-0], [5:0-4-12,0-2-0], [7:0-5-0,0-5-8]																			
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		I/defl		L/d		PLATES		GRIP			
TCLL 20.0		Plate Grip DOL		1.25		TC 0.26		Vert(LL)		-0.06		7-8		>999		240		MT20		244/190	
TCDL 7.0		Lumber DOL		1.25		BC 0.27		Vert(CT)		-0.11		7-8		>999		180					
BCLL 0.0 *		Rep Stress Incr		NO		WB 0.62		Horz(CT)		0.02		5		n/a		n/a					
BCDL 10.0		Code FBC2023/TPI2014				Matrix-MS												Weight: 185 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-6-11 oc purlins.
BOT CHORD 2x8 SP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.3 *Except*	
3-7: 2x4 SP No.2	

REACTIONS. (size) 1=0-3-8, 5=0-3-8
Max Horz 1=-149(LC 4)
Max Uplift 1=-1649(LC 8), 5=-1902(LC 9)
Max Grav 1=5006(LC 2), 5=5806(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-7169/2351, 2-3=-5138/1738, 3-4=-5139/1739, 4-5=-6944/2283
BOT CHORD 1-8=-1982/5925, 7-8=-1982/5925, 6-7=-1836/5748, 5-6=-1836/5748
WEBS 3-7=-1800/5478, 4-7=-1884/734, 4-6=-627/2030, 2-7=-2106/804, 2-8=-709/2295

- NOTES-**
- 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.
 - 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.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCdL=4.2psf; BCdL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=1649, 5=1902.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1416 lb down and 466 lb up at 2-0-12, 1416 lb down and 466 lb up at 3-5-4, 1416 lb down and 466 lb up at 5-5-4, 1416 lb down and 466 lb up at 7-5-4, 1416 lb down and 466 lb up at 9-5-4, and 1416 lb down and 466 lb up at 11-5-4, and 1420 lb down and 462 lb up at 13-5-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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Chesterfield, MO 63017
Date:

August 22,2024

Continued on page 2

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

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	T11	Common Girder	1	2	T34801290

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:29 2024 Page 2
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LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

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

Concentrated Loads (lb)

Vert: 8=-1288(F) 14=-1293(F) 15=-1288(F) 16=-1288(F) 17=-1288(F) 18=-1288(F) 19=-1288(F)

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801291
4152007	T12	Piggyback Base	2	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:30 2024 Page 1
ID:kTGGBlQg0CU2lyFI5gJEiUyqKJ2-rQm_JOLEgg?u3WLcSlr1qPw5UPvsQSiBFRZDVRylbwJ

1-4-0 6-8-0 14-1-12 17-9-0 25-3-0 32-9-0 36-4-4 43-10-0 50-6-0 51-10-0
1-4-0 6-8-0 7-5-12 3-7-4 7-6-0 7-6-0 3-7-4 7-5-12 6-8-0 1-4-0

Scale = 1:89.5

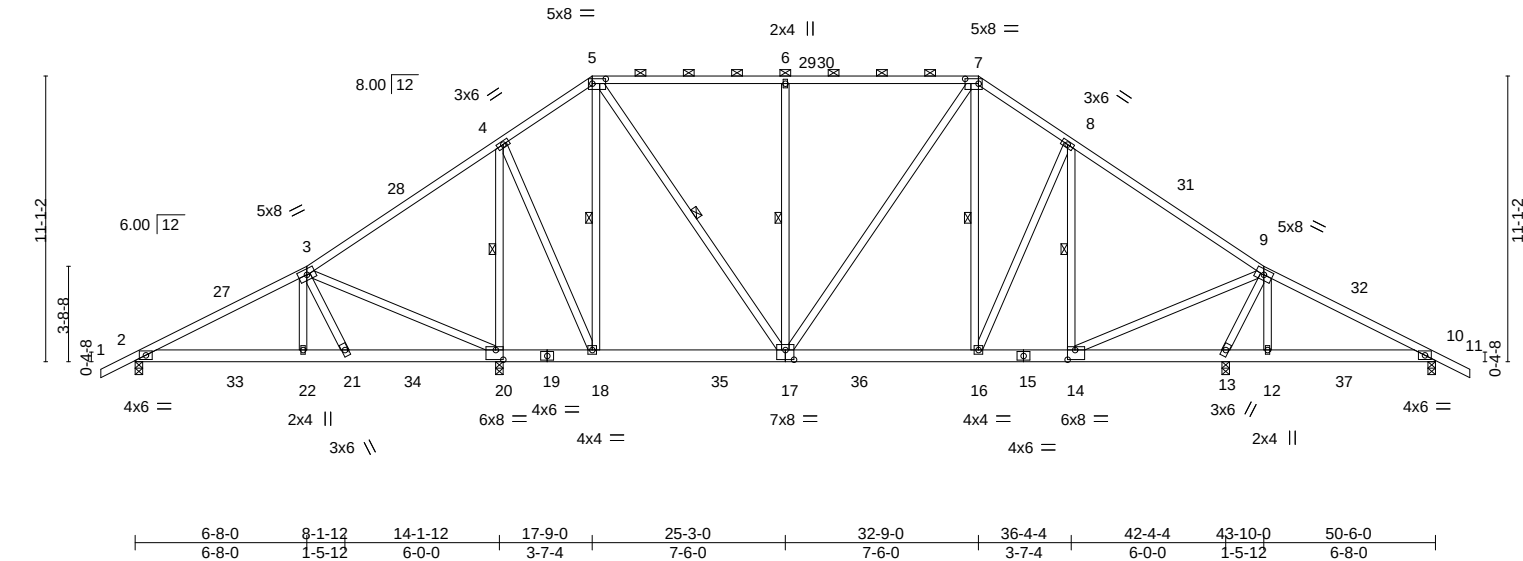


Plate Offsets (X,Y)--	[5:0-6-4,0-2-4], [7:0-6-4,0-2-4], [14:0-3-8,0-4-8], [17:0-4-0,0-4-8], [20:0-3-8,0-4-8]
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LOADING (psf)	SPACING-	CSL	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.69	Vert(LL)	-0.06 16-17	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.31	Vert(CT)	-0.10 16-17	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.84	Horz(CT)	0.02 10	n/a	n/a		
BCDL 10.0	Code FBC2023/TPI2014	Matrix-MS					Weight: 382 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-7.
BOT CHORD 2x6 SP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 18-20,13-14.
WEBS 2x4 SP No.3 *Except* 5-17,7-17: 2x4 SP No.2	WEBS 1 Row at midpt 4-20, 5-18, 5-17, 6-17, 7-16, 8-14

REACTIONS.	
(lb) - Max Horz 2=299(LC 11)	
Max Uplift All uplift 100 lb or less at joint(s) except 2=-212(LC 8), 20=-713(LC 9), 13=-492(LC 13), 10=-177(LC 13)	
Max Grav All reactions 250 lb or less at joint(s) except 2=541(LC 27), 20=1878(LC 2), 13=1439(LC 28), 10=408(LC 26)	

FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD	2-3=-638/416, 3-4=-159/282, 4-5=-408/281, 5-6=-752/452, 6-7=-752/452, 7-8=-904/515, 8-9=-893/355, 9-10=-337/205
BOT CHORD	2-22=-341/606, 21-22=-334/594, 20-21=-332/606, 18-20=-147/386, 17-18=-71/447, 16-17=-97/746, 14-16=-30/672, 13-14=-380/349
WEBS	3-22=-268/293, 3-20=-663/625, 4-20=-1399/697, 4-18=-282/930, 5-18=-636/332, 5-17=-364/794, 6-17=-477/364, 7-16=-205/366, 8-16=-207/253, 8-14=-366/211, 9-14=-396/1134, 9-13=-1361/813, 9-12=-266/161

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCCL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-4-0 to 3-8-10, Zone1 3-8-10 to 17-9-0, Zone2 17-9-0 to 24-10-11, Zone1 24-10-11 to 32-9-0, Zone2 32-9-0 to 39-10-11, Zone1 39-10-11 to 51-10-0 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
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 212 lb uplift at joint 2, 713 lb uplift at joint 20, 492 lb uplift at joint 13 and 177 lb uplift at joint 10.
 - 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.

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Date:

August 22,2024

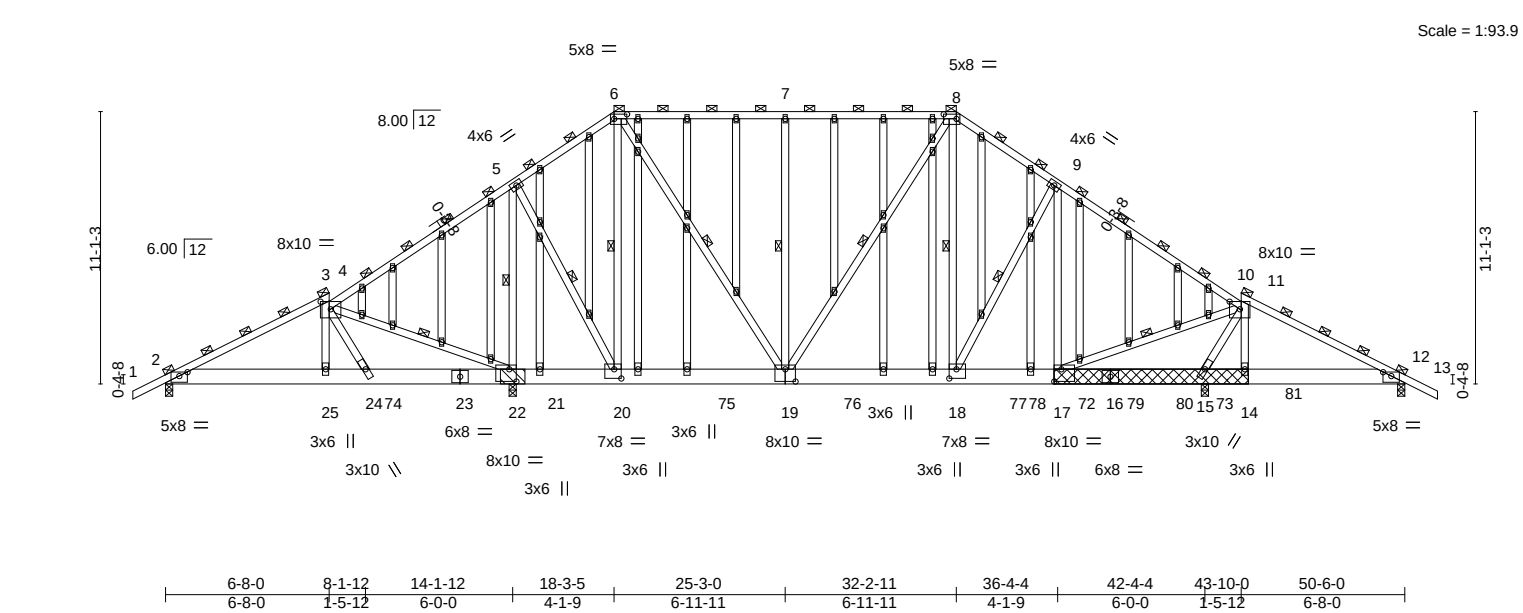
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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801292
4152007	T12G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL),		Lake City, FL - 32055,		8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:32 2024 Page 1					
ID:kTGGBIq0C02UyF5gJEiUyqKJ2-noukhhMUMHGcJpV_ajtVvq?RXD82uO_UjI2KZYIbwH									
1-4-0	6-8-0	14-1-12	18-3-5	25-3-0	32-2-11	36-4-4	43-10-0	50-6-0	51-10-0
1-4-0	6-8-0	7-5-12	4-1-9	6-11-11	6-11-11	4-1-9	7-5-12	6-8-0	1-4-0



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.65	Vert(LL) 0.11	17-18	>999	240	MT20	244/190
TCDL 7.0	Lumber DOL 1.25	BC 0.46	Vert(CT) -0.17	17-18	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.73	Horz(CT) 0.01	12	n/a	n/a		
BCDL 10.0	Code FBC2023/TP12014	Matrix-MS					Weight: 638 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2 *Except* 4-6,8-10: 2x4 SP 2850F 2.0E or 2x4 SP M 31	TOP CHORD 2-0-0 oc purlins (4-5-9 max.). BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
BOT CHORD 2x8 SP 2400F 2.0E	6-0-0 oc bracing: 20-22,15-17,12-14.
WEBS 2x4 SP No.3 *Except* 3-25,4-22,6-19,8-19,10-17,11-14: 2x4 SP No.2	WEBS 1 Row at midpt 4-22, 5-22, 5-20, 6-20, 6-19, 7-19, 8-19, 8-18, 9-18, 10-17
OTHERS 2x4 SP No.3	
LBR SCAB 14-17 2x8 SP 2400F 2.0E both sides	

REACTIONS.	All bearings 0-3-8 except (jt=length) 22=0-3-9 (input: 0-3-8 + bearing block), 15=0-4-13 (input: 0-3-8 + bearing block). (lb) - Max Horz 2=309(LC 7) Max Uplift All uplift 100 lb or less at joint(s) except 2=-307(LC 8), 22=-1529(LC 5), 15=-2281(LC 9), 12=-171(LC 30) Max Grav All reactions 250 lb or less at joint(s) except 2=653(LC 21), 22=3027(LC 2), 15=4066(LC 22), 12=368(LC 22)
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FORCES.	(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-832/422, 4-5=-452/592, 5-6=-487/217, 6-7=-1164/530, 7-8=-1164/530, 8-9=-1963/955, 9-10=-2230/1010 BOT CHORD 2-25=-541/759, 24-25=-564/799, 22-24=-740/960, 20-22=-392/628, 19-20=-60/514, 18-19=-533/1591, 17-18=-612/1807, 15-17=-817/595 WEBS 4-25=-373/504, 4-24=-479/464, 4-22=-1393/1059, 5-22=-2111/1010, 5-20=-681/1483, 6-20=-1223/688, 6-19=-756/1486, 7-19=-441/338, 8-19=-828/573, 8-18=-897/1524, 9-18=-589/602, 9-17=-641/566, 10-17=-1207/2797, 10-15=-1844/912, 10-14=-858/419
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NOTES-	1) Attached 7-11-0 scab 14 to 17, both face(s) 2x8 SP 2400F 2.0E with 2 row(s) of 10d (0.131"x3") nails spaced 9" o.c.except : starting at 0-1-12 from end at joint 17, nail 2 row(s) at 7" o.c. for 7-7-8. 2) 2x8 SP 2400F 2.0E bearing block 12" long at jt. 22 attached to front face with 4 rows of 10d (0.131"x3") nails spaced 3" o.c. 16 Total fasteners. Bearing is assumed to be SP No.2. 3) Scab(s) 14 to 17 to provide bearing enhancement at jt.15, a cluster of 16 evenly spaced - 10d (0.131"x3") nails are required within 12" of jt.15. Total nails to be divided equally between front and back if scabs are on both sides. Bearing is assumed to be SP No.2. 4) Unbalanced roof live loads have been considered for this design. 5) 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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60 6) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TP1 1. 7) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component. 8) Provide adequate drainage to prevent water ponding.
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Continued on page 2	WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcsccomponents.com)
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Joaquin Velez PE No.68182
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Date:

August 22,2024

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801292
4152007	T12G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:32 2024 Page 2
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- NOTES-**
- 9) All plates are 2x4 MT20 unless otherwise indicated.
 - 10) Gable studs spaced at 2-0-0 oc.
 - 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 12) * 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.
 - 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 2, 1529 lb uplift at joint 22, 2281 lb uplift at joint 15 and 171 lb uplift at joint 12.
 - 14) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 15) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 736 lb down and 643 lb up at 8-0-0, 1607 lb down and 756 lb up at 34-6-12, 269 lb down and 206 lb up at 35-4-3, 269 lb down and 206 lb up at 37-4-3, 269 lb down and 206 lb up at 39-4-3, and 269 lb down and 206 lb up at 41-4-3, and 736 lb down and 643 lb up at 42-6-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 16) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

- LOAD CASE(S)** Standard
- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
 - Uniform Loads (plf)
 - Vert: 1-3=-54, 4-6=-54, 6-8=-54, 8-10=-54, 11-13=-54, 2-12=-20
 - Concentrated Loads (lb)
 - Vert: 72=-269(B) 74=-736(B) 77=-1586(B) 78=-269(B) 79=-269(B) 80=-269(B) 81=-736(B)

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

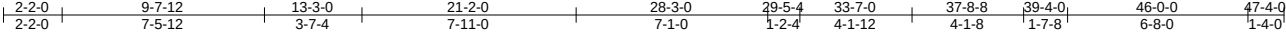
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall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

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801294
4152007	T14	Piggyback Base	7	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:34 2024 Page 1
ID:kTGGBIqG0CU2lyFI5gJEiUyqKJ2-jB0U9N0kuvWKY7fNh8wz_F5nL0rSMGxmA3XReCylbwF



Scale = 1:85.2

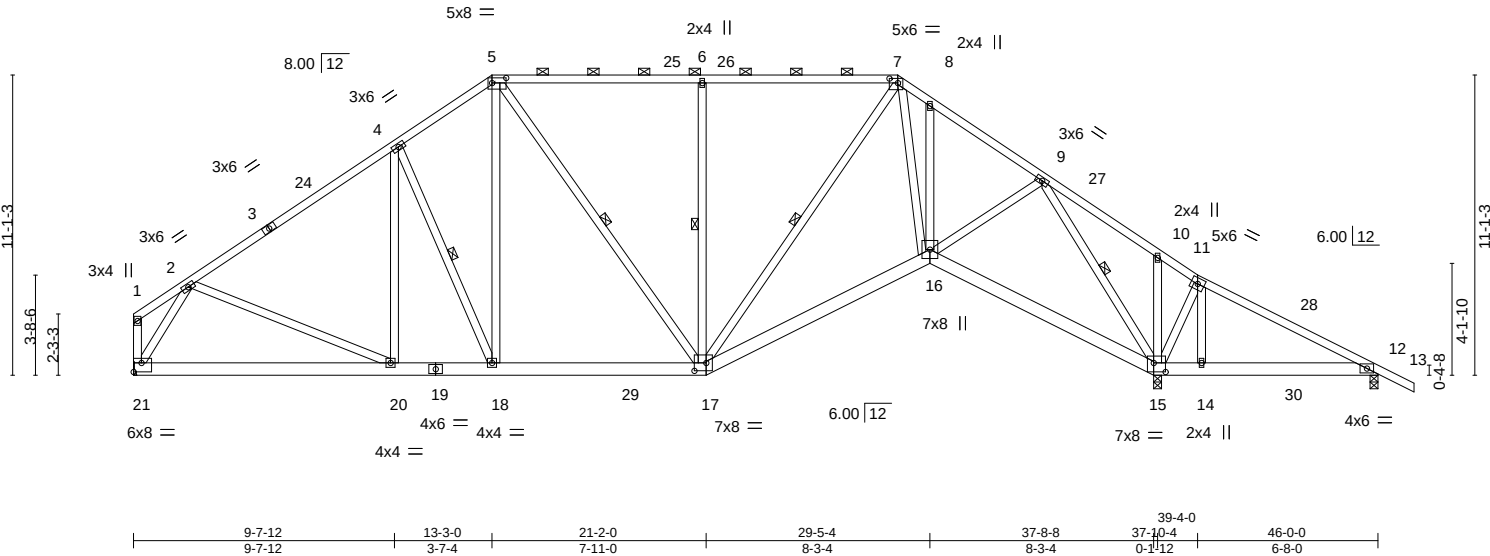


Plate Offsets (X,Y)-- [5:0-6-4,0-2-4], [7:0-3-12,0-2-0], [15:0-5-4,0-4-0], [17:0-5-4,0-3-8], [21:Edge,0-4-0]						
LOADING (psf)		SPACING-	2-0-0	CSI.	DEFL.	PLATES
TCLL	20.0	Plate Grip DOL	1.25	TC 0.70	in (loc) l/defl L/d	GRIP
TCDL	7.0	Lumber DOL	1.25	BC 0.40	Vert(LL) -0.11 17-18 >999 240	MT20 244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.89	Vert(CT) -0.20 16-17 >999 180	
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS	Horz(CT) 0.11 15 n/a n/a	
						Weight: 357 lb FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 3-11-13 oc purlins, except end verticals, and 2-0-0 oc purlins (4-5-7 max.): 5-7. Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15,12-14.
BOT CHORD	2x6 SP No.2	BOT CHORD	
WEBS	2x4 SP No.3 *Except*		
	5-17,7-17: 2x4 SP No.2	WEBS	1 Row at midpt 4-18, 5-17, 6-17, 7-17, 9-15

REACTIONS. (size) 15=0-3-8, 12=0-3-8, 21=Mechanical
Max Horz 21=-359(LC 8)
Max Uplift 15=-641(LC 13), 12=-139(LC 17), 21=-446(LC 12)
Max Grav 15=2334(LC 2), 12=46(LC 26), 21=1436(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-1610/714, 4-5=-1433/787, 5-6=-1192/715, 6-7=-1187/711, 7-8=-1531/730,
8-9=-1586/603, 9-10=-207/914, 10-11=-279/881, 11-12=-163/728
BOT CHORD 20-21=-440/1032, 18-20=-423/1333, 17-18=-374/1204, 16-17=-320/1431, 15-16=-55/648,
14-15=-611/245, 12-14=-601/232
WEBS 2-20=-156/524, 4-18=-466/341, 5-18=-287/665, 5-17=-266/222, 6-17=-469/360,
7-17=-254/130, 7-16=-132/699, 9-16=-259/985, 9-15=-2406/810, 11-15=-244/398,
11-14=-311/237, 2-21=-1506/863

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 4-8-15, Zone1 4-8-15 to 13-3-0, Zone2 13-3-0 to 19-9-1, Zone1 19-9-1 to 28-3-0, Zone2 28-3-0 to 34-9-1, Zone1 34-9-1 to 47-4-0 zone; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Refer to girder(s) for truss to truss connections.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 641 lb uplift at joint 15, 139 lb uplift at joint 12 and 446 lb uplift at joint 21.
 - 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:

August 22,2024

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.
4152007	T15G	GABLE	1	1	T34801295

Builders FirstSource (Lake City,FL),
Lake City, FL - 32055,
8.730 s Jul 24 2024
MiTek Industries, Inc.
Wed Aug 21 14:09:35 2024
Page 2
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- NOTES-**
- 12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
- 13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 736 lb down and 643 lb up at 3-6-0, 269 lb down and 206 lb up at 4-7-13, 269 lb down and 206 lb up at 6-7-13, 269 lb down and 206 lb up at 8-7-13, 269 lb down and 206 lb up at 10-7-13, 269 lb down and 206 lb up at 12-7-13, 269 lb down and 206 lb up at 14-7-13, 269 lb down and 206 lb up at 16-7-13, 269 lb down and 206 lb up at 18-7-13, 269 lb down and 206 lb up at 20-7-13, 269 lb down and 206 lb up at 22-7-13, and 269 lb down and 206 lb up at 24-7-13, and 276 lb down and 199 lb up at 26-7-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 14) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-9=-54, 9-17=-54, 18-33=-20

Concentrated Loads (lb)

Vert: 35=-736(F) 36=-269(F) 37=-269(F) 38=-269(F) 39=-269(F) 40=-269(F) 41=-269(F) 42=-269(F) 43=-269(F) 44=-269(F) 45=-269(F) 46=-269(F) 47=-276(F)

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

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801296
4152007	T16G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:36 2024 Page 1
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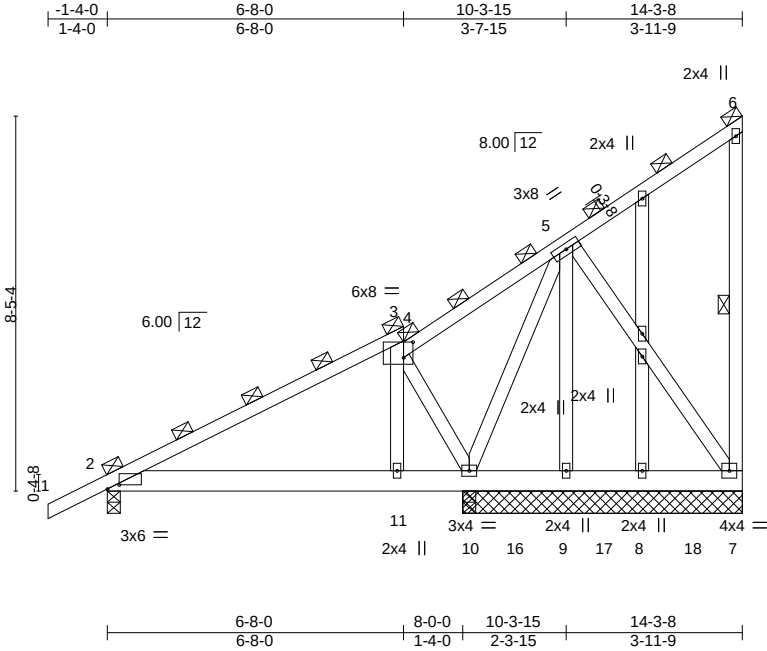


Plate Offsets (X,Y)--		[2:0-3-3,0-1-2], [3:0-2-9,0-4-3]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		I/defl		L/d		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL		1.25		TC	0.45	Vert(LL)	0.04	11-15	>999		240		MT20		244/190		
TCDL	7.0	Lumber DOL		1.25		BC	0.30	Vert(CT)	-0.05	11-15	>999		180						
BCLL	0.0 *	Rep Stress Incr		NO		WB	0.18	Horz(CT)	-0.00	7	n/a		n/a						
BCDL	10.0	Code		FBC2023/TPI2014		Matrix-MS								Weight: 115 lb		FT = 20%			

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	2-0-0 oc purlins (6-0-0 max.), except end verticals.
BOT CHORD	2x6 SP No.2	BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	2x4 SP No.3	WEBS	1 Row at midpt 6-7
OTHERS	2x4 SP No.3		

REACTIONS. All bearings 6-3-8 except (jt=length) 2=0-3-8.
(lb) - Max Horz 2=444(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) except 7=300(LC 8), 2=109(LC 22), 10=889(LC 5), 9=290(LC 8), 8=202(LC 4)
Max Grav All reactions 250 lb or less at joint(s) 7 except 2=329(LC 1), 10=1373(LC 1), 10=1373(LC 1), 9=444(LC 1), 8=343(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-11=201/266, 4-10=359/267

- 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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Gable studs spaced at 2-0-0 oc.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 7, 109 lb uplift at joint 2, 889 lb uplift at joint 10, 290 lb uplift at joint 9 and 202 lb uplift at joint 8.
 - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
 - 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 736 lb down and 643 lb up at 8-0-0, 269 lb down and 206 lb up at 9-1-13, and 269 lb down and 206 lb up at 11-1-13, and 269 lb down and 206 lb up at 13-1-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 - 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 4-6=-54, 2-7=-20

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:

August 22,2024

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	HARTLEY - ROZEAR RES.	T34801296
4152007	T16G	GABLE	1	1	Job Reference (optional)	

Builders FirstSource (Lake City,FL), Lake City, FL - 32055,

8.730 s Jul 24 2024 MiTek Industries, Inc. Wed Aug 21 14:09:36 2024 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 10=-736(B) 16=-269(B) 17=-269(B) 18=-269(B)

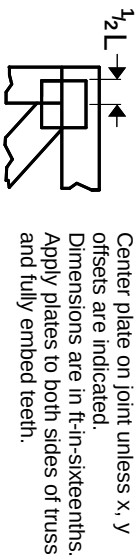
 **WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.**

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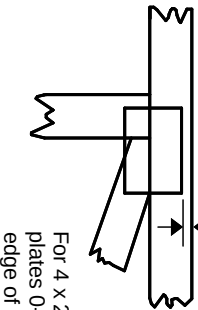
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Symbols

PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " from outside edge of truss.

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

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

PLATE SIZE

4 X 4

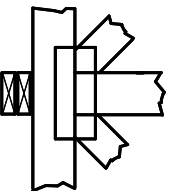
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING



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

Industry Standards:

ANSI/TP1.1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

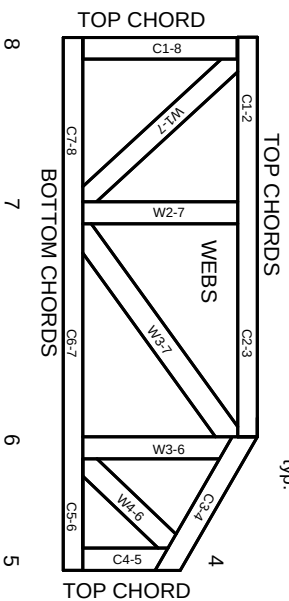
Numbering System

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

1

2

3 Joint ID typ.



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

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

Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282
ESR-4722, ESL-1388

Design General Notes

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

Lumber design values are in accordance with ANSI/TP1 1 section 6.3. These truss designs rely on lumber values established by others.

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



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TP1 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TP1 1 Quality Criteria.
21. The design does not take into account any dynamic or other loads other than those expressly stated.