MiTek®

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

RE: 1245-A - Nowery

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

Site Information:

Customer Info: JBC Builders Project Name: Nowery Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County 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: 140 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 45 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	T32652329	14	1/18/24	23	T32652351	PB4	1/18/24
2	T32652330	BJ2	1/18/24	24	T32652352	PB5	1/18/24
3	T32652331	EJ2	1/18/24	25	T32652353	PB6	1/18/24
4	T32652332	H1	1/18/24	26	T32652354	PB7	1/18/24
5	T32652333	H2	1/18/24	27	T32652355	PB8	1/18/24
6	T32652334	H3	1/18/24	28	T32652356	PB9	1/18/24
7	T32652335	H4	1/18/24	29	T32652357	T1	1/18/24
8	T32652336	H5	1/18/24	30	T32652358	T2	1/18/24
9	T32652337	H9	1/18/24	31	T32652359	T2A	1/18/24
10	T32652338	H10	1/18/24	32	T32652360	T3	1/18/24
11	T32652339	H12	1/18/24	33	T32652361	T4	1/18/24
12	T32652340	H13	1/18/24	34	T32652362	T5	1/18/24
13	T32652341	H14	1/18/24	35	T32652363	T6	1/18/24
14	T32652342	HG1	1/18/24	36	T32652364	T8	1/18/24
15	T32652343	HG2	1/18/24	37	T32652365	V1	1/18/24
16	T32652344	HGR2	1/18/24	38	T32652366	V2	1/18/24
17	T32652345	M1	1/18/24	39	T32652367	V3	1/18/24
18	T32652346	M2	1/18/24	40	T32652368	V4	1/18/24
19	T32652347	M3	1/18/24	41	T32652369	V5	1/18/24
20	T32652348	PB1	1/18/24	42	T32652370	V6	1/18/24
21	T32652349	PB2	1/18/24	43	T32652371	V7	1/18/24
22	T32652350	PB3	1/18/24	44	T32652372	V9	1/18/24

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by 19 Lumber, Inc..

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

Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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.

RE: 1245-A - Nowery

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

Site Information:

Customer Info: JBC Builders Project Name: Nowery Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: FL

No.	Seal#	Truss Name	Date
45	T32652373	V11	1/18/24

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	14	Piggyback Base	1	1	T32652329
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:26 Page: 1
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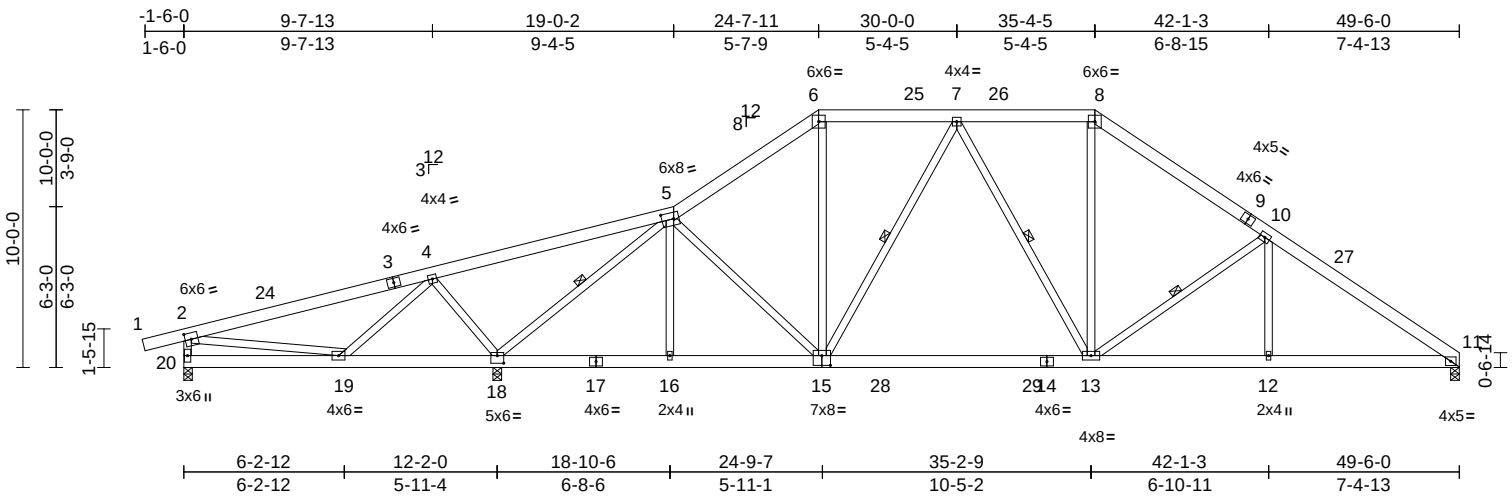


Scale = 1:89.4

Plate Offsets (X, Y): [2:0-2-14,0-3-0], [5:0-5-8,0-3-0], [15:0-4-0,0-4-8], [18:0-3-0,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.16	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.58	Vert(CT)	-0.28	13-15	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.87	Horz(CT)	0.06	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 379 lb	FT = 20%

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

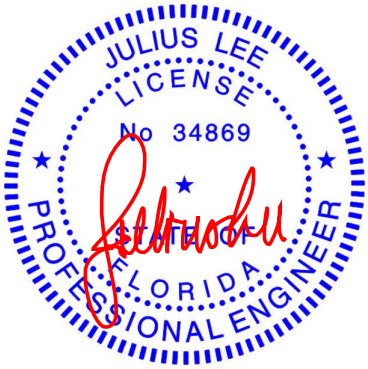
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-18, 7-15, 7-13, 10-13

REACTIONS (size) 11=0-4-0, 18=0-4-0, 20=0-4-0
Max Horiz 20=401 (LC 9)
Max Uplift 11=-526 (LC 13), 18=-892 (LC 12), 20=-301 (LC 8)
Max Grav 11=1548 (LC 2), 18=2470 (LC 2), 20=393 (LC 25)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-4=-117/156, 4-5=-201/764, 5-6=-1615/903, 6-7=-1282/872, 7-8=-1451/934, 8-10=-1842/1016, 10-11=-2328/1161, 2-20=-332/432
BOT CHORD 19-20=-449/318, 18-19=-424/252, 16-18=-405/1184, 13-16=-407/1442, 12-13=-763/1891, 11-12=-763/1891
WEBS 4-19=0/354, 4-18=-789/584, 5-18=-2461/1071, 5-16=0/184, 5-15=-5/238, 6-15=-219/588, 7-15=-435/300, 7-13=-176/308, 8-13=-302/691, 10-13=-741/515, 10-12=-9/263, 2-19=-226/279

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 3-4-12, Zone1 3-4-12 to 24-7-11, Zone2 24-7-11 to 31-7-11, Zone1 31-7-11 to 35-4-5, Zone2 35-4-5 to 42-1-3, Zone1 42-1-3 to 49-6-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 20, 892 lb uplift at joint 18 and 526 lb uplift at joint 11.

LOAD CASE(S) Standard



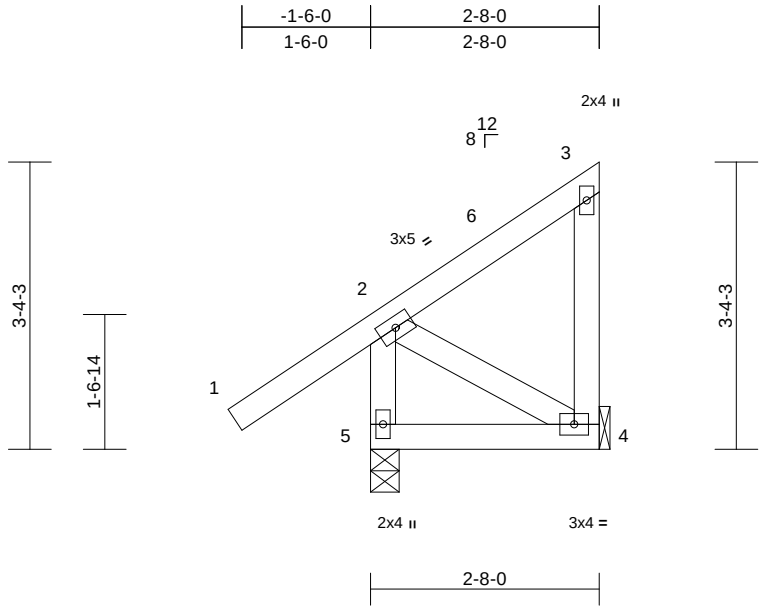
Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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.sbcscomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	BJ2	Jack-Closed	1	1	T32652330
					Job Reference (optional)



Scale = 1:26.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 21 lb	FT = 20%

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

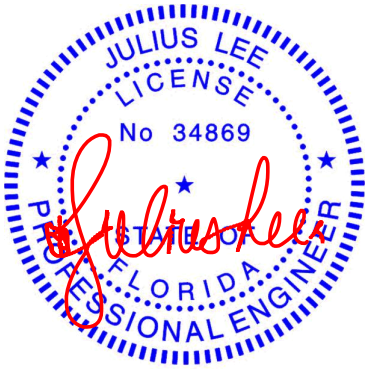
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-1-1 oc bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-0
Max Horiz 5=199 (LC 11)
Max Uplift 4=-123 (LC 9), 5=-102 (LC 12)
Max Grav 4=131 (LC 10), 5=236 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-248/385, 1-2=0/57, 2-3=-130/130, 3-4=-141/123
BOT CHORD 4-5=-426/220
WEBS 2-4=-178/423

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 2-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) Bearings are assumed to be: Joint 5 SP No.2 .
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 5 and 123 lb uplift at joint 4.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	EJ2	Jack-Open	3	1	T32652331
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:29 Page: 1
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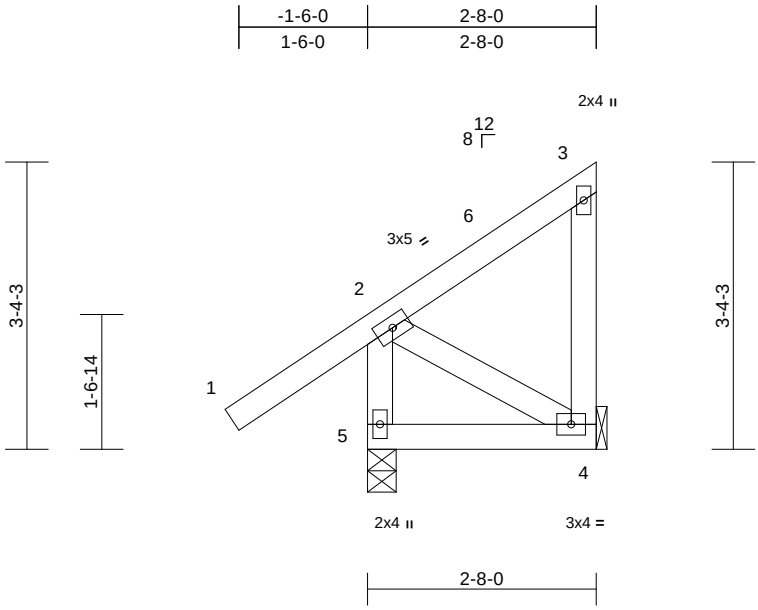


Scale = 1:26.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 21 lb	FT = 20%

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

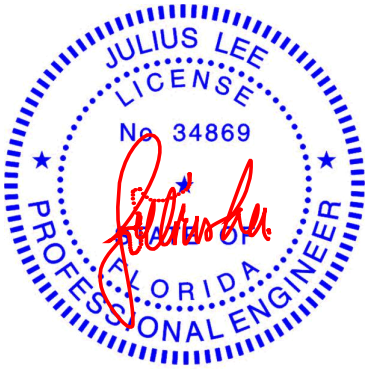
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 4= Mechanical, 5=0-4-0
Max Horiz 5=127 (LC 12)
Max Uplift 4=-119 (LC 12), 5=-49 (LC 12)
Max Grav 4=105 (LC 10), 5=236 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-213/273, 1-2=0/57, 2-3=-60/51
BOT CHORD 4-5=-310/89
WEBS 3-4=-97/85, 2-4=-103/357

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 2-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
6) Bearings are assumed to be: Joint 5 SP No.2 .
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 5 and 119 lb uplift at joint 4.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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

Job	Truss	Truss Type	Qty	Ply	Nowery	
1245-A	H1	Piggyback Base	5	1	Job Reference (optional)	T32652332

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:29 Page: 1

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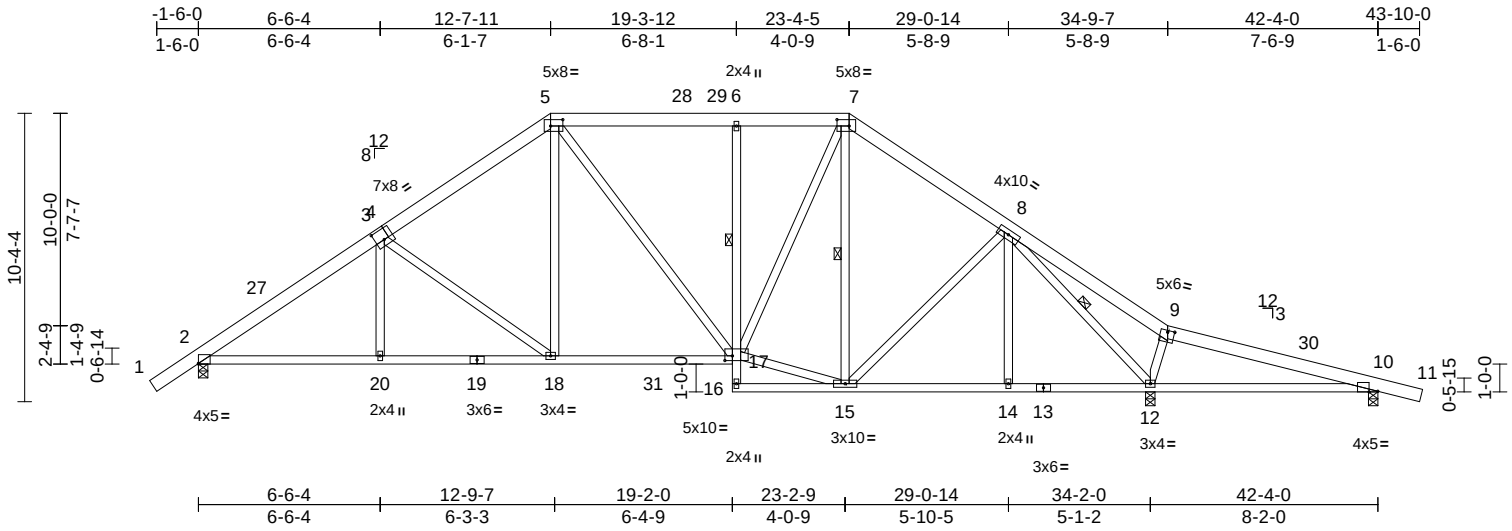

Scale = 1:82.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	0.07	12-26	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.69	Vert(CT)	-0.22	17-18	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.64	Horz(CT)	0.09	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 307 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-10-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 6-17
WEBS 1 Row at midpt 7-15, 8-12

REACTIONS (size) 2=0-4-0, 10=0-4-0, 12=0-4-0
Max Horiz 2=-380 (LC 10)
Max Uplift 2=-552 (LC 12), 10=-284 (LC 9), 12=-628 (LC 13)
Max Grav 2=1560 (LC 2), 10=415 (LC 26), 12=1842 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-2217/971, 3-5=-1772/909, 5-6=-1460/897, 6-7=-1455/895, 7-8=-1460/826, 8-9=-150/163, 9-10=-201/100, 10-11=0/23
BOT CHORD 2-20=-666/1892, 18-20=-666/1892, 17-18=-344/1407, 16-17=0/54, 6-17=-362/323, 15-16=-40/17, 14-15=-364/1110, 12-14=-364/1110, 10-12=-43/170
WEBS 3-20=0/240, 3-18=-635/429, 5-18=-181/658, 5-17=-272/232, 15-17=-215/1190, 7-17=-368/775, 7-15=-225/206, 8-15=-223/265, 8-14=0/193, 8-12=-1623/707, 9-12=-429/392

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-8 to 2-7-4, Zone1 2-7-4 to 12-7-11, Zone2 12-7-11 to 18-7-8, Zone1 18-7-8 to 23-4-5, Zone2 23-4-5 to 29-0-14, Zone1 29-0-14 to 43-10-11 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 552 lb uplift at joint 2, 628 lb uplift at joint 12 and 284 lb uplift at joint 10.

LOAD CASE(S) Standard

Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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.sbcscomponents.com)

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

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H2	Piggyback Base	1	1	T32652333
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:30 Page: 1

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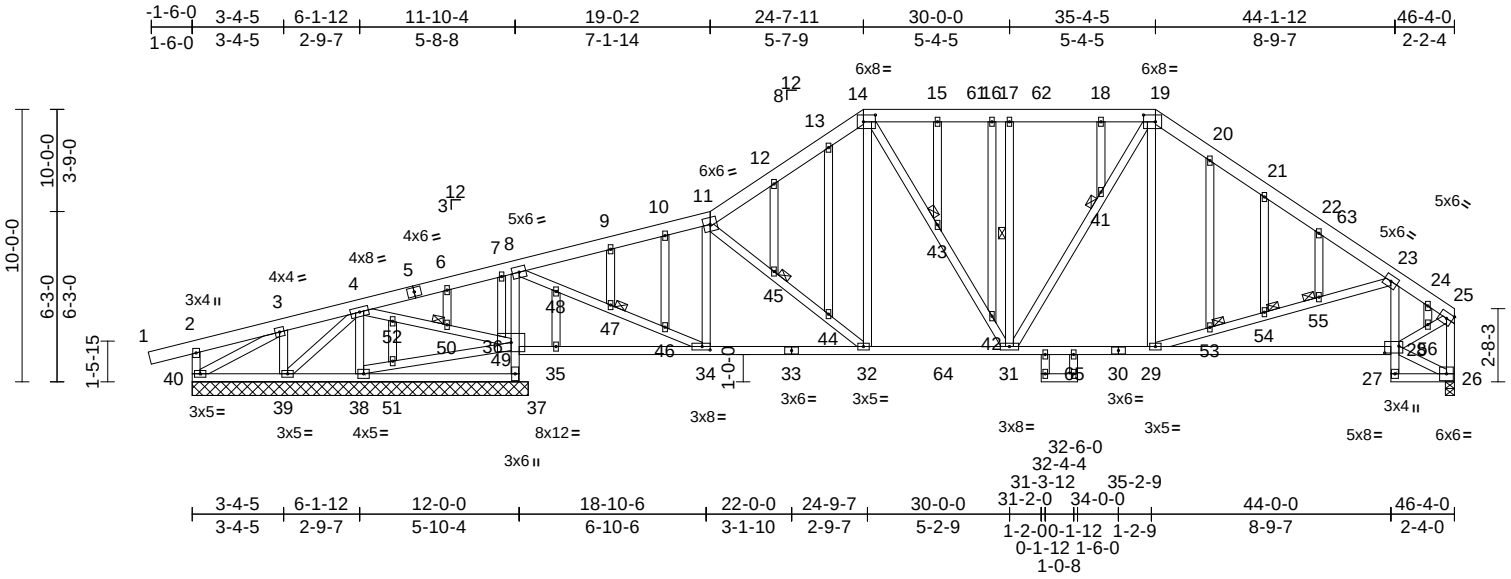


Scale = 1:84.6

Plate Offsets (X, Y): [14:0-5-4,0-3-0], [19:0-5-4,0-3-0], [28:0-6-4,0-3-0], [34:0-3-8,0-1-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.45	Vert(LL)	-0.17	28-29	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.37	28-29	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.07	26	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 431 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 5-5-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS	1 Row at midpt 17-31
JOINTS	1 Brace at Jt(s): 41, 43, 45, 47, 50, 53, 54, 55

REACTIONS (size) 26=0-4-0, 37=12-4-0, 38=12-4-0, 39=12-4-0, 40=12-4-0

Max Horiz 40=452 (LC 9)

Max Uplift 26=-453 (LC 13), 37=-712 (LC 12), 38=-203 (LC 12), 39=-107 (LC 8), 40=-201 (LC 8)

Max Grav 26=1464 (LC 2), 37=1920 (LC 2), 38=363 (LC 27), 39=150 (LC 27), 40=234 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension

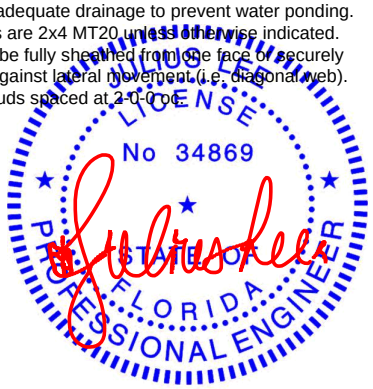
TOP CHORD 1-2=0/25, 2-3=-56/66, 3-4=-207/116, 4-6=-318/417, 6-7=-310/451, 7-8=-302/430, 8-9=-1656/810, 9-10=-1620/831, 10-11=-1580/825, 11-12=-1690/898, 12-13=-1621/910, 13-14=-1561/912, 14-15=-1453/924, 15-16=-1453/924, 16-17=-1453/924, 17-18=-1453/924, 18-19=-1453/924, 19-20=-1516/896, 20-21=-1583/895, 21-22=-1611/853, 22-23=-1695/850, 23-24=-1346/744, 24-25=-1335/738, 2-40=-214/373, 25-26=-1446/795

BOT CHORD 39-40=-207/138, 38-39=-193/152, 37-38=-18/29, 36-37=-1829/874, 8-36=-1687/821, 35-36=-374/294, 34-35=-373/294, 32-34=-645/1579, 31-32=-464/1350, 29-31=-459/1317, 28-29=-767/1203, 27-28=0/36, 23-28=-539/501, 26-27=-69/0

WEBS 4-38=-184/236, 38-51=-195/133, 36-51=-186/125, 4-52=-229/165, 50-52=-220/159, 49-50=-218/159, 36-49=-251/176, 8-48=-969/2111, 47-48=-975/2064, 46-47=-948/2049, 34-46=-972/2079, 11-34=-649/471, 11-45=-322/277, 44-45=-322/279, 32-44=-313/279, 14-32=-123/433, 14-43=-204/291, 42-43=-204/297, 31-42=-184/266, 31-41=-291/358, 19-41=-291/351, 19-29=-30/364, 29-53=-285/337, 53-54=-286/339, 54-55=-273/320, 23-55=-279/328, 3-40=-296/182, 18-41=-15/14, 16-42=-37/33, 15-43=-12/9, 13-44=-8/15, 12-45=-24/16, 10-46=-63/78, 9-47=-67/77, 35-48=0/139, 7-49=-111/51, 6-50=0/23, 51-52=-37/32, 3-39=-185/188, 20-53=-18/27, 21-54=-72/87, 22-55=-35/25, 24-56=-80/31, 17-31=-291/293, 26-28=-58/153, 28-56=-825/1342, 25-56=-824/1378, 4-39=-168/146

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 3-4-5, Zone1 3-4-5 to 24-7-11, Zone2 24-7-11 to 31-2-5, Zone1 31-2-5 to 35-4-5, Zone2 35-4-5 to 41-10-15, Zone1 41-10-15 to 46-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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.
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.sbcscomponents.com)

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Chesterfield, MO 63017
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9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) All bearings are assumed to be SP No.2 .
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 712 lb uplift at joint 37, 203 lb uplift at joint 38, 201 lb uplift at joint 40, 107 lb uplift at joint 39 and 453 lb uplift at joint 26.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H3	Piggyback Base	4	1	T32652334
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:30 Page: 1
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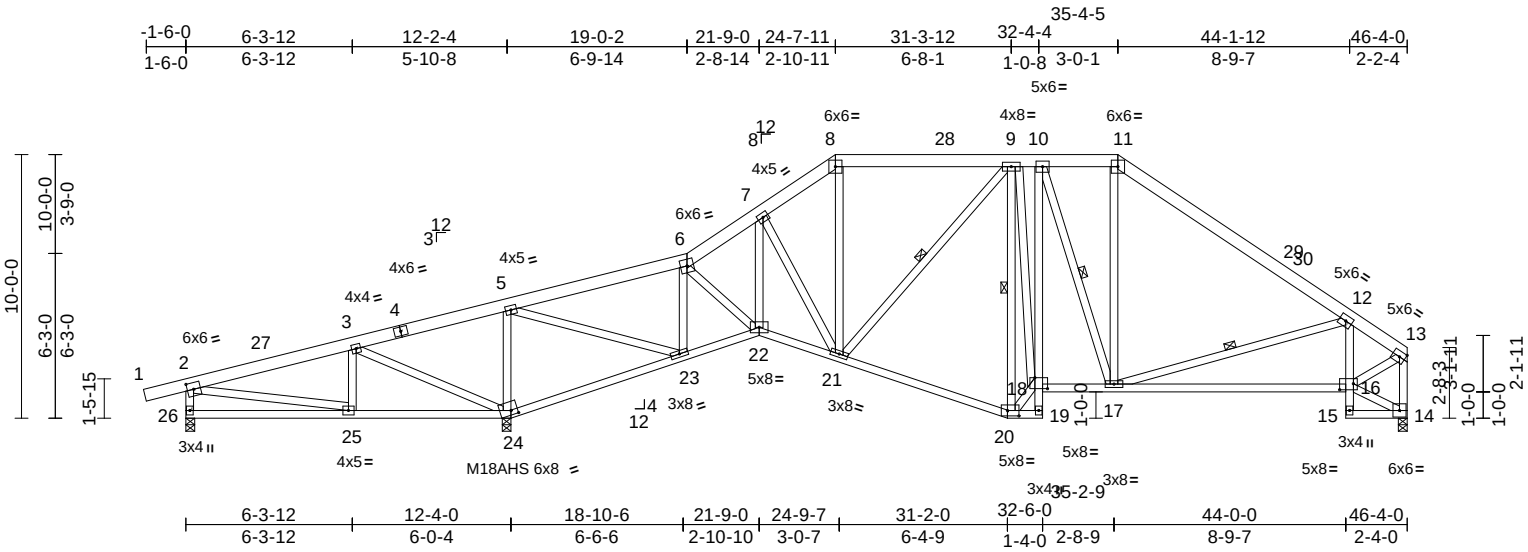


Scale = 1:87.4

Plate Offsets (X, Y): [2:0-2-14,0-3-0], [16:0-6-4,0-2-12], [18:0-5-12,0-5-0], [20:0-5-4,0-2-8], [24:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.49	Vert(LL)	-0.17	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.76	Vert(CT)	-0.35	16-17	>999	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.11	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 376 lb	FT = 20%

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

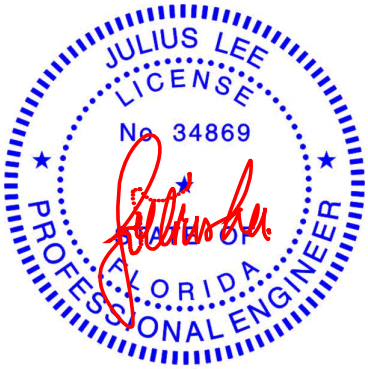
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-15 oc bracing.
WEBS 1 Row at midpt 9-21, 9-20, 10-17, 12-17

REACTIONS (size) 14=0-4-0, 24=0-4-0, 26=0-4-0
Max Horiz 26=452 (LC 9)
Max Uplift 14=-424 (LC 13), 24=-987 (LC 12), 26=-281 (LC 8)
Max Grav 14=1186 (LC 1), 24=2469 (LC 1), 26=161 (LC 25)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-350/498, 3-5=-649/1351, 5-6=-807/496, 6-7=-1403/818, 7-8=-1170/794, 8-9=-962/732, 9-10=-994/794, 10-11=-986/791, 11-12=-1342/781, 12-13=-1107/683, 2-26=-107/369, 13-14=-1165/720
BOT CHORD 25-26=-417/217, 24-25=-462/297, 23-24=-1410/713, 22-23=-374/815, 21-22=-514/1184, 20-21=-396/1011, 19-20=-33/111, 18-19=-33/0, 10-18=-272/325, 17-18=-386/998, 16-17=-730/1018, 15-16=0/36, 12-16=-504/477, 14-15=-68/0
WEBS 3-25=-10/341, 3-24=-905/459, 5-24=-1540/809, 5-23=-1014/2132, 6-23=-1183/686, 6-22=-204/493, 8-21=-218/380, 9-21=-110/190, 9-20=-922/460, 18-20=-445/1100, 9-18=-87/347, 10-17=-183/282, 11-17=-123/341, 12-17=-309/383, 2-25=-506/421, 7-21=-388/316, 7-22=-137/294, 14-16=-62/160, 13-16=-781/1149

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 3-0-15, Zone1 3-0-15 to 24-7-11, Zone2 24-7-11 to 31-3-12, Zone1 31-3-12 to 35-4-5, Zone2 35-4-5 to 41-10-15, Zone1 41-10-15 to 46-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 281 lb uplift at joint 26, 987 lb uplift at joint 24 and 424 lb uplift at joint 14.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H4	Piggyback Base	1	1	T32652335
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:31 Page: 1

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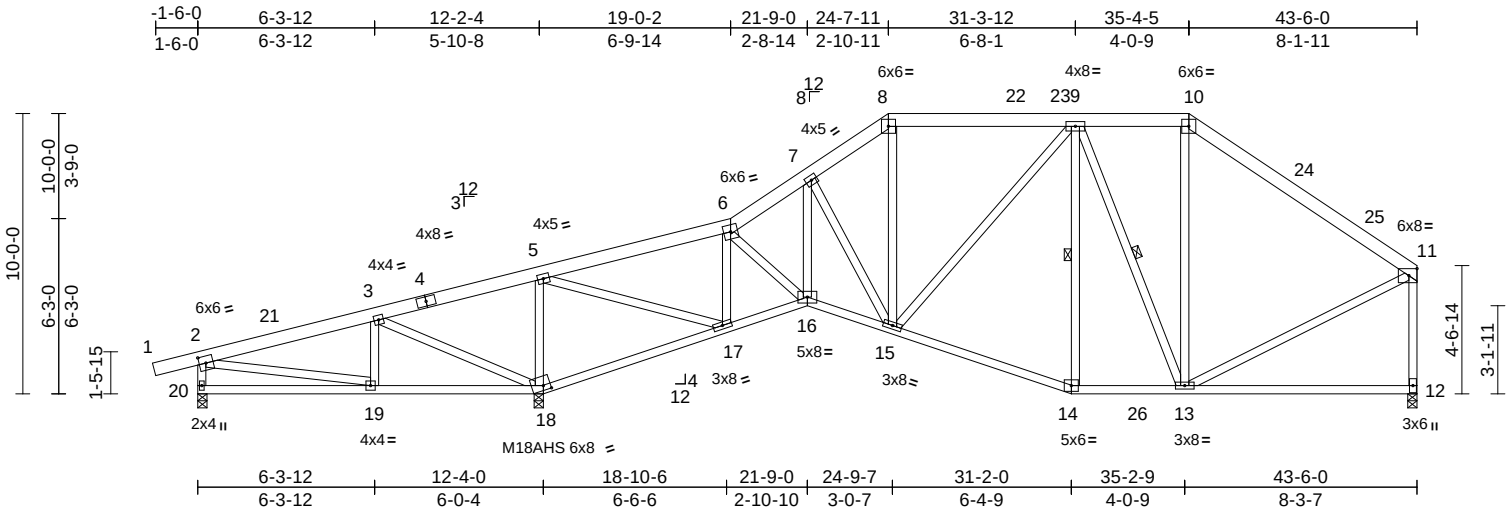


Scale = 1:82.2

Plate Offsets (X, Y): [2:0-2-14,0-3-0], [18:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.13	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.56	Vert(CT)	-0.26	12-13	>999	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 330 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-2 oc bracing.
WEBS 1 Row at midpt 9-14, 9-13

REACTIONS (size) 12=0-4-0, 18=0-4-0, 20=0-4-0
Max Horiz 20=491 (LC 11)
Max Uplift 12=-351 (LC 13), 18=-944 (LC 12), 20=-296 (LC 8)
Max Grav 12=1176 (LC 2), 18=2431 (LC 2), 20=225 (LC 20)

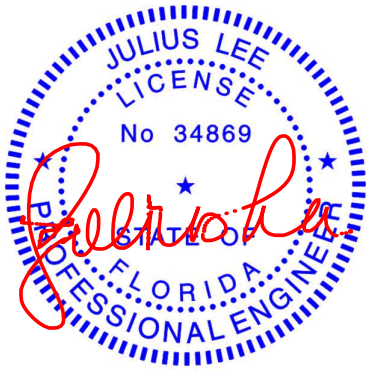
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/25, 2-3=-370/427, 3-5=-678/1216, 5-6=-885/496, 6-7=-1411/793, 7-8=-1147/724, 8-9=-948/675, 9-10=-735/664, 10-11=-990/589, 2-20=-165/400, 11-12=-1045/708
BOT CHORD 19-20=-454/343, 18-19=-356/236, 17-18=-1291/588, 16-17=-514/899, 15-16=-673/1199, 14-15=-447/927, 13-14=-418/844, 12-13=-113/123
WEBS 3-19=-13/321, 3-18=-928/449, 5-18=-1450/809, 5-17=-1015/2087, 6-17=-1059/686, 6-16=-212/409, 8-15=-171/370, 9-15=-121/252, 9-14=-182/173, 9-13=-367/300, 10-13=-95/277, 2-19=-448/437, 11-13=-293/780, 7-15=-484/388, 7-16=-213/389

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 2-9-9, Zone1 2-9-9 to 24-7-11, Zone2 24-7-11 to 30-9-8, Zone1 30-9-8 to 35-4-5, Zone2 35-4-5 to 41-6-2, Zone1 41-6-2 to 43-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) All bearings are assumed to be SP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 20, 944 lb uplift at joint 18 and 351 lb uplift at joint 12.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H5	Piggyback Base	3	1	T32652336
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:32 Page: 1
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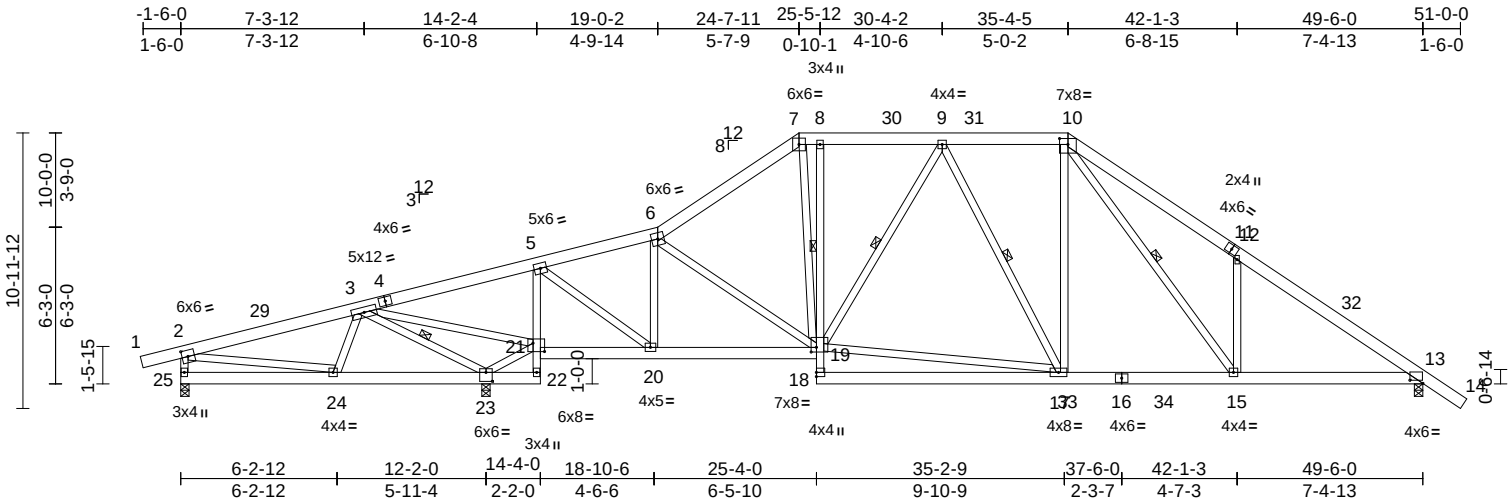

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Plate Offsets (X, Y): [2:0-2-14,0-3-0], [10:0-4-0,0-2-13], [13:0-6-3,0-1-8], [19:0-2-8,0-2-4], [21:0-5-8,0-4-0], [23:0-3-0,0-4-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.40	Vert(LL)	-0.11	17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.22	17-18	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 423 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 22-5,8-18:2x4 SP No.2
WEBS 2x4 SP No.2

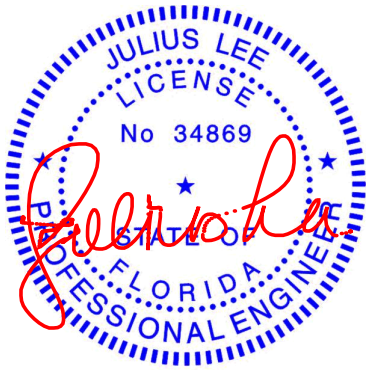
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 8-19
WEBS 1 Row at midpt 3-23, 9-19, 9-17, 10-15

REACTIONS (size) 13=0-4-0, 23=0-4-0, 25=0-4-0
Max Horiz 25=414 (LC 11)
Max Uplift 13=-598 (LC 13), 23=-971 (LC 12), 25=-269 (LC 8)
Max Grav 13=1589 (LC 20), 23=2664 (LC 2), 25=235 (LC 25)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-218/430, 3-5=-187/558, 5-6=-1088/637, 6-7=-1499/868, 7-8=-1235/850, 8-9=-1232/850, 9-10=-1345/909, 10-12=-2286/1381, 12-13=-2217/1019, 13-14=0/54, 2-25=-170/382
BOT CHORD 24-25=-366/309, 23-24=-491/301, 22-23=-17/8, 21-22=-136/54, 5-21=-1827/841, 20-21=-547/393, 19-20=-330/1046, 18-19=0/176, 8-19=-71/145, 17-18=-21/200, 15-17=-311/1336, 13-15=-679/1794
WEBS 3-24=0/288, 3-23=-1970/924, 21-23=-2542/1160, 3-21=-636/1691, 5-20=-745/1862, 6-20=-865/499, 6-19=-44/234, 7-19=-274/533, 17-19=-327/1170, 9-19=-328/251, 9-17=-235/329, 10-17=-167/380, 10-15=-675/1039, 12-15=-579/594, 2-24=-411/266

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 3-4-12, Zone1 3-4-12 to 24-7-11, Zone2 24-7-11 to 31-7-11, Zone1 31-7-11 to 35-4-5, Zone2 35-4-5 to 42-1-3, Zone1 42-1-3 to 51-1-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 269 lb uplift at joint 25, 971 lb uplift at joint 23 and 598 lb uplift at joint 13.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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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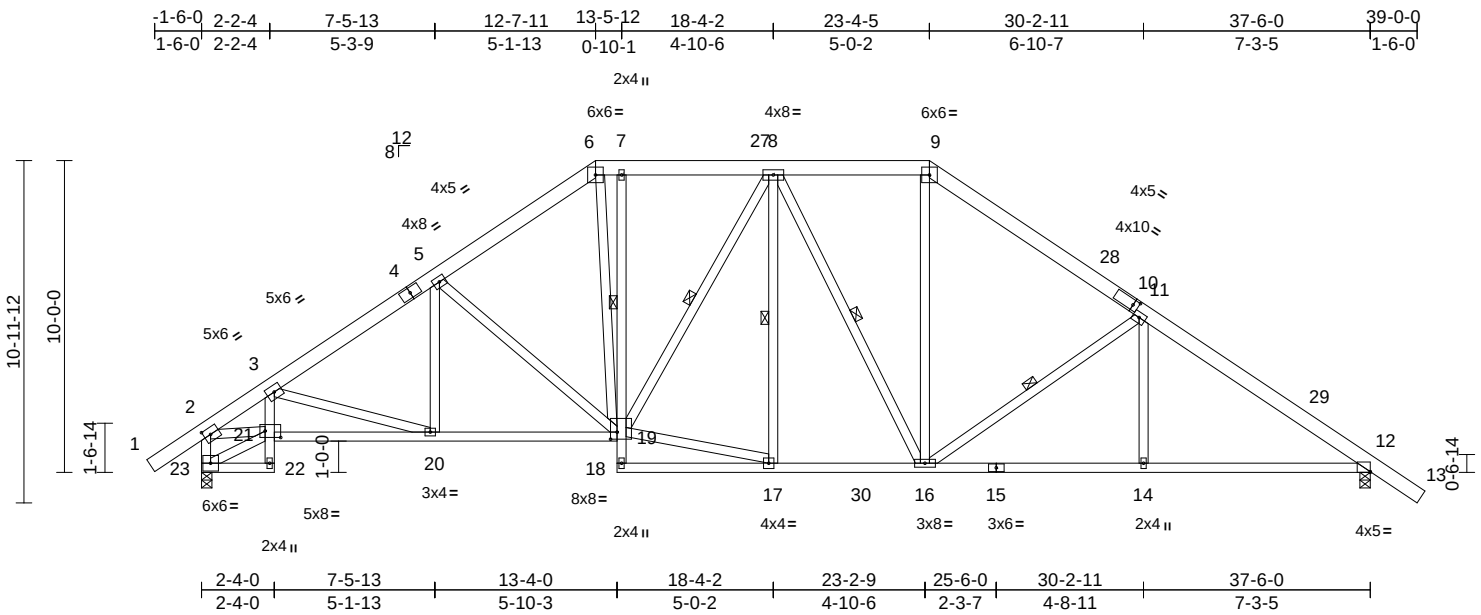
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H9	Piggyback Base	2	1	T32652337
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:32 Page: 1
ID:gZav1KLzenysIXmqQIJjCyzyiwA-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:73.9

Plate Offsets (X, Y): [2:0-2-9,0-2-8], [10:0-2-2,0-2-0], [12:Edge,0-0-4], [19:0-2-8,0-2-12], [21:0-6-0,0-2-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.11	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.67	Vert(CT)	-0.22	14-16	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.68	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 311 lb	FT = 20%

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

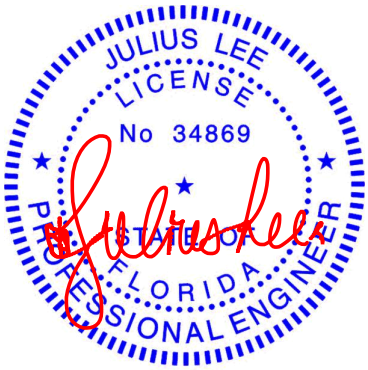
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-8-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-4-9 oc bracing. Except:
1 Row at midpt 7-19
WEBS 1 Row at midpt 8-19, 8-17, 8-16, 11-16

REACTIONS (size) 12=0-4-0, 23=0-4-0
Max Horiz 23=-438 (LC 10)
Max Uplift 12=-604 (LC 13), 23=-582 (LC 12)
Max Grav 12=1691 (LC 2), 23=1697 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2458/874, 3-5=-2303/784, 5-6=-1920/768, 6-7=-1600/729, 7-8=-1598/729, 8-9=-1502/728, 9-11=-1901/764, 11-12=-2426/806, 12-13=0/54, 2-23=-1728/670
BOT CHORD 22-23=-43/79, 21-22=0/37, 3-21=-161/227, 20-21=-860/2334, 19-20=-610/1992, 18-19=0/93, 7-19=-32/159, 17-18=-18/42, 16-17=-405/1588, 14-16=-509/1944, 12-14=-509/1944
WEBS 3-20=-385/289, 5-20=-8/297, 5-19=-646/404, 6-19=-249/715, 17-19=-395/1583, 8-19=-134/272, 8-17=-201/131, 8-16=-308/310, 9-16=-199/721, 11-16=-741/487, 11-14=0/288, 21-23=-412/414, 2-21=-644/1934

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-8 to 2-2-4, Zone1 2-2-4 to 12-7-11, Zone2 12-7-11 to 17-11-5, Zone1 17-11-5 to 23-4-5, Zone2 23-4-5 to 28-7-15, Zone1 28-7-15 to 39-1-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 604 lb uplift at joint 12 and 582 lb uplift at joint 23.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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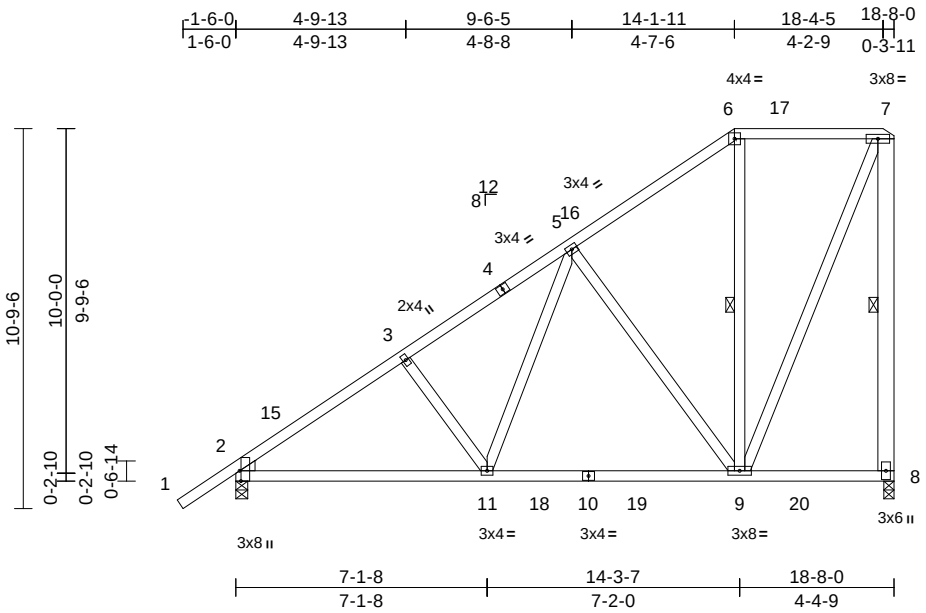
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H10	Piggyback Base	2	1	T32652338
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:33 Page: 1

ID:Frnovb3b59brpPC31DrikczzS0_-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:65.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	-0.09	9-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.53	Vert(CT)	-0.15	9-11	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 142 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* 8-7:2x6 SP No.2
WEDGE Left: 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-7-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-4 oc bracing.
WEBS 1 Row at midpt 6-9, 7-8

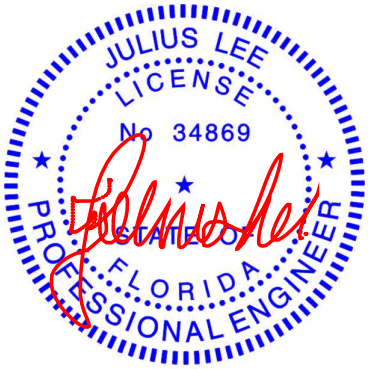
REACTIONS (size) 2=0-4-0, 8=0-3-8
Max Horiz 2=595 (LC 11)
Max Uplift 2=-350 (LC 12), 8=-380 (LC 9)
Max Grav 2=960 (LC 19), 8=872 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-1104/390, 3-5=-981/412, 5-6=-508/362, 6-7=-428/353, 7-8=-796/489
BOT CHORD 2-11=-714/1108, 9-11=-549/761, 8-9=-253/277
WEBS 6-9=-182/249, 7-9=-454/840, 3-11=-279/291, 5-11=-176/546, 5-9=-640/439

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 14-1-11, Zone3 14-1-11 to 18-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 350 lb uplift at joint 2 and 380 lb uplift at joint 8.

LOAD CASE(S) Standard



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	Nowery	
1245-A	H12	Piggyback Base	5	1	Job Reference (optional)	T32652339

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:33 Page: 1

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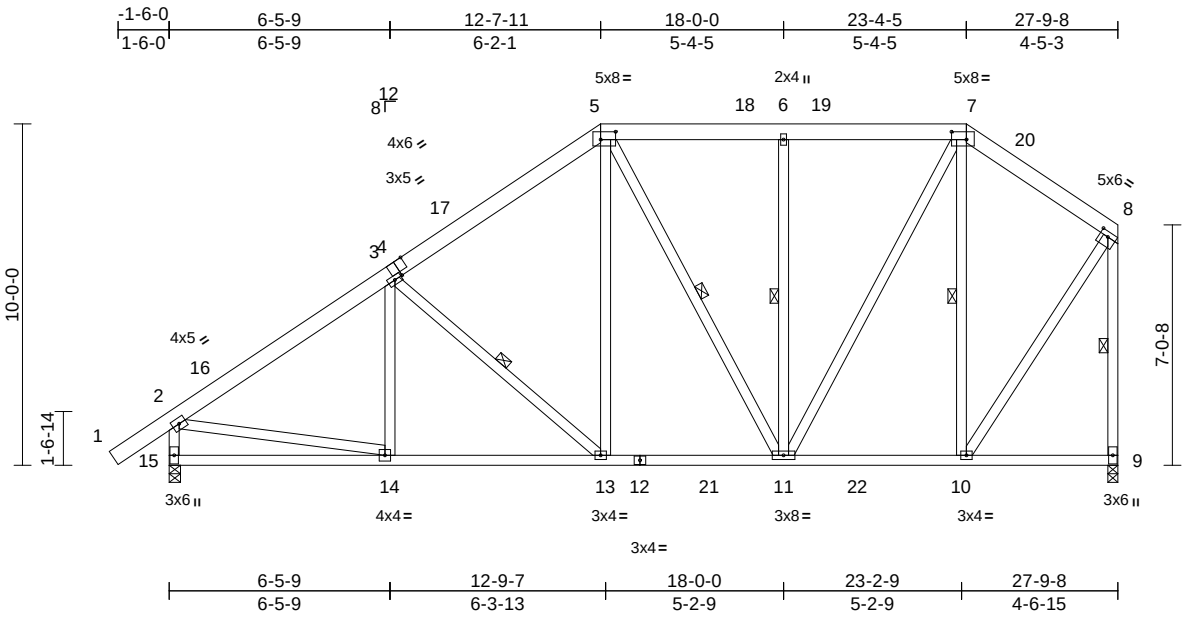


Scale = 1:67.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.05	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(CT)	-0.10	13-14	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 243 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-5 oc bracing.
WEBS 1 Row at midpt 3-13, 5-11, 6-11, 7-10, 8-9

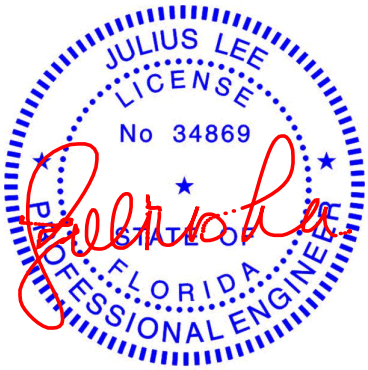
REACTIONS (size) 9=0-3-8, 15=0-4-0
Max Horiz 15=536 (LC 9)
Max Uplift 9=-323 (LC 13), 15=-478 (LC 12)
Max Grav 9=1225 (LC 2), 15=1294 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-1432/503, 3-5=-1153/542, 5-6=-822/517, 6-7=-822/517, 7-8=-634/441, 2-15=-1193/569, 8-9=-1165/491
BOT CHORD 14-15=-600/532, 13-14=-742/1284, 11-13=-537/923, 10-11=-331/541, 9-10=-177/194
WEBS 3-14=-49/139, 3-13=-488/378, 5-13=-192/551, 5-11=-306/167, 6-11=-356/314, 7-11=-374/713, 7-10=-546/394, 2-14=-228/1026, 8-10=-383/882

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-8 to 1-4-8, Zone1 1-4-8 to 12-7-11, Zone2 12-7-11 to 16-10-10, Zone1 16-10-10 to 23-4-5, Zone3 23-4-5 to 27-7-12 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 478 lb uplift at joint 15 and 323 lb uplift at joint 9.

LOAD CASE(S) Standard



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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

January 18,2024

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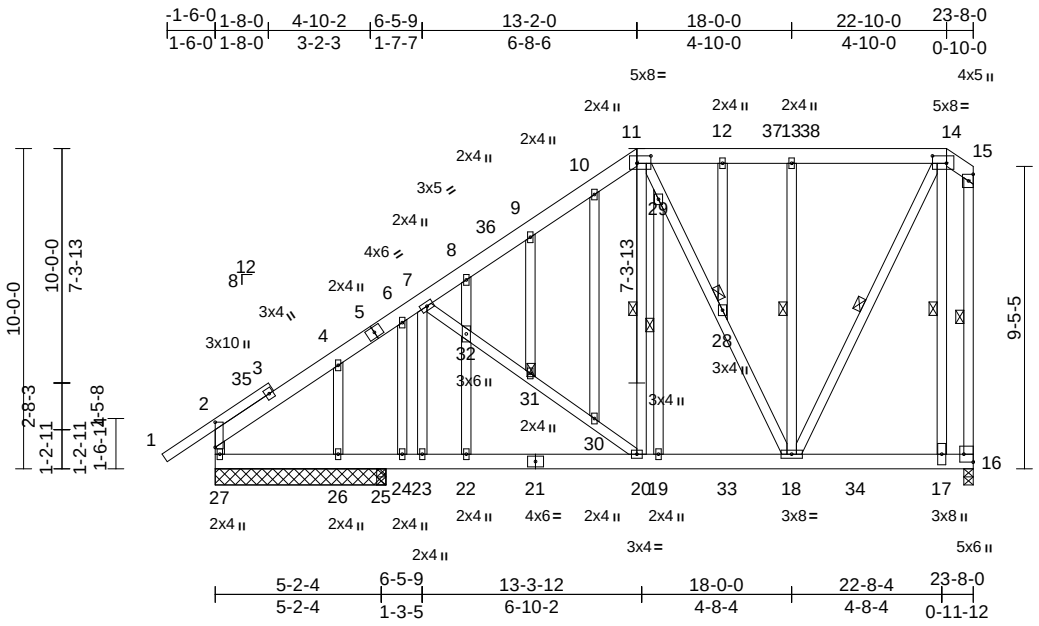
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	H13	Piggyback Base	1	1	T32652340
					Job Reference (optional)



Scale = 1:71.9

Plate Offsets (X, Y): [2:0-9-7,Edge], [11:0-5-4,0-2-12], [14:0-5-4,0-2-12], [16:Edge,0-3-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	0.05	20-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.63	Vert(CT)	-0.10	20-22	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.29	Horz(CT)	-0.01	16	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 283 lb	FT = 20%

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

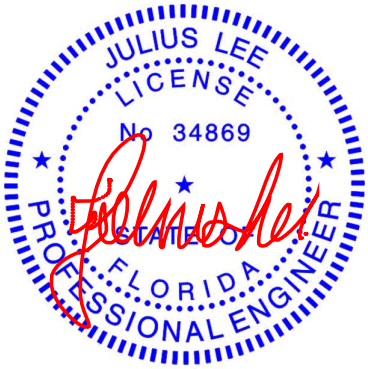
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-4-5 oc bracing.
WEBS 1 Row at midpt 11-20, 13-18, 14-18, 15-16, 19-29, 14-17
JOINTS 1 Brace at Jt(s): 28, 31

REACTIONS (size) 16=0-3-8, 25=0-3-8, 26=5-4-0, 27=5-4-0
Max Horiz 27=559 (LC 11)
Max Uplift 16=-433 (LC 9), 25=-201 (LC 12), 26=-461 (LC 22), 27=-231 (LC 12)
Max Grav 16=783 (LC 2), 25=1547 (LC 2), 26=83 (LC 8), 27=319 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 15-16=-624/501, 1-2=0/51, 2-4=-82/189, 4-6=-113/270, 6-7=-373/339, 7-8=-500/296, 8-9=-543/377, 9-10=-543/407, 10-11=-502/411, 11-12=-491/396, 12-13=-491/396, 13-14=-491/396, 14-15=-568/512
BOT CHORD 26-27=-764/620, 25-26=-764/620, 24-25=-764/620, 23-24=-764/620, 22-23=-764/620, 20-22=-764/620, 19-20=-546/686, 18-19=-546/686, 17-18=-235/260, 16-17=-235/262
WEBS 7-23=-233/62, 7-32=-157/598, 31-32=-149/564, 30-31=-156/564, 20-30=-161/590, 11-20=-99/123, 11-29=-227/225, 28-29=-259/275, 18-28=-264/273, 13-18=-350/309, 14-18=-581/845, 12-28=-19/23, 19-29=-58/77, 10-30=-8/46, 9-31=-44/48, 8-32=-109/154, 22-32=-101/201, 6-24=-641/119, 4-26=-162/209, 14-17=-718/606, 2-27=-242/332

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-0 to 1-5-0, Zone1 1-5-0 to 13-2-0, Zone2 13-2-0 to 17-4-15, Zone1 17-4-15 to 22-10-0, Zone3 22-10-0 to 23-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
11) All bearings are assumed to be SP No.2 .
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 27, 433 lb uplift at joint 16, 461 lb uplift at joint 26 and 201 lb uplift at joint 25.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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Job	Truss	Truss Type	Qty	Ply	Nowery	
1245-A	H14	Piggyback Base	3	1	Job Reference (optional)	T32652341

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:34 Page: 1

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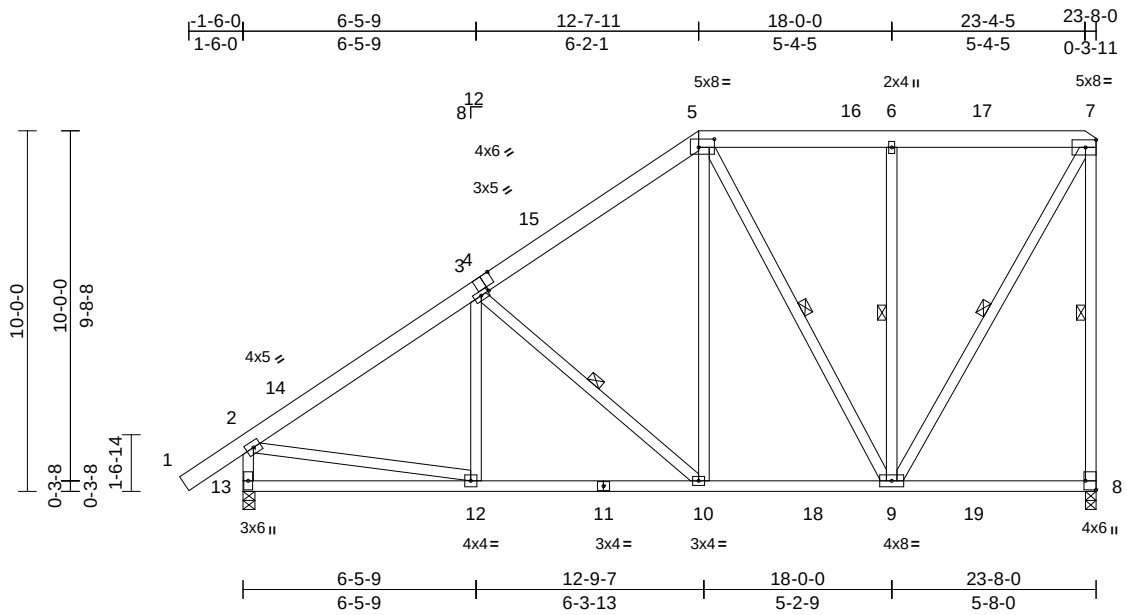


Scale = 1:63.9

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.05	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.44	Vert(CT)	-0.09	10-12	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.02	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 204 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* 8-7:2x4 SP DSS

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-14 oc bracing.
WEBS 1 Row at midpt 3-10, 5-9, 6-9, 7-9, 7-8

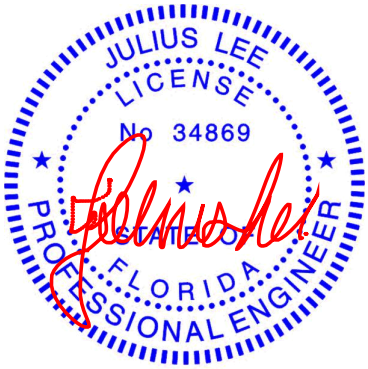
REACTIONS (size) 8=0-3-8, 13=0-4-0
Max Horiz 13=595 (LC 9)
Max Uplift 8=-502 (LC 9), 13=-423 (LC 12)
Max Grav 8=1063 (LC 2), 13=1138 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-1175/424, 3-5=-862/452, 5-6=-558/411, 6-7=-558/411, 2-13=-1038/515, 7-8=-947/512
BOT CHORD 12-13=-828/686, 10-12=-796/1099, 9-10=-567/798, 8-9=-241/267
WEBS 3-12=-12/168, 3-10=-520/390, 5-10=-194/567, 5-9=-475/301, 6-9=-379/350, 7-9=-514/957, 2-12=-164/817

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-8 to 1-4-8, Zone1 1-4-8 to 12-7-11, Zone2 12-7-11 to 16-10-10, Zone1 16-10-10 to 23-6-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 13 and 502 lb uplift at joint 8.

LOAD CASE(S) Standard



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Date:

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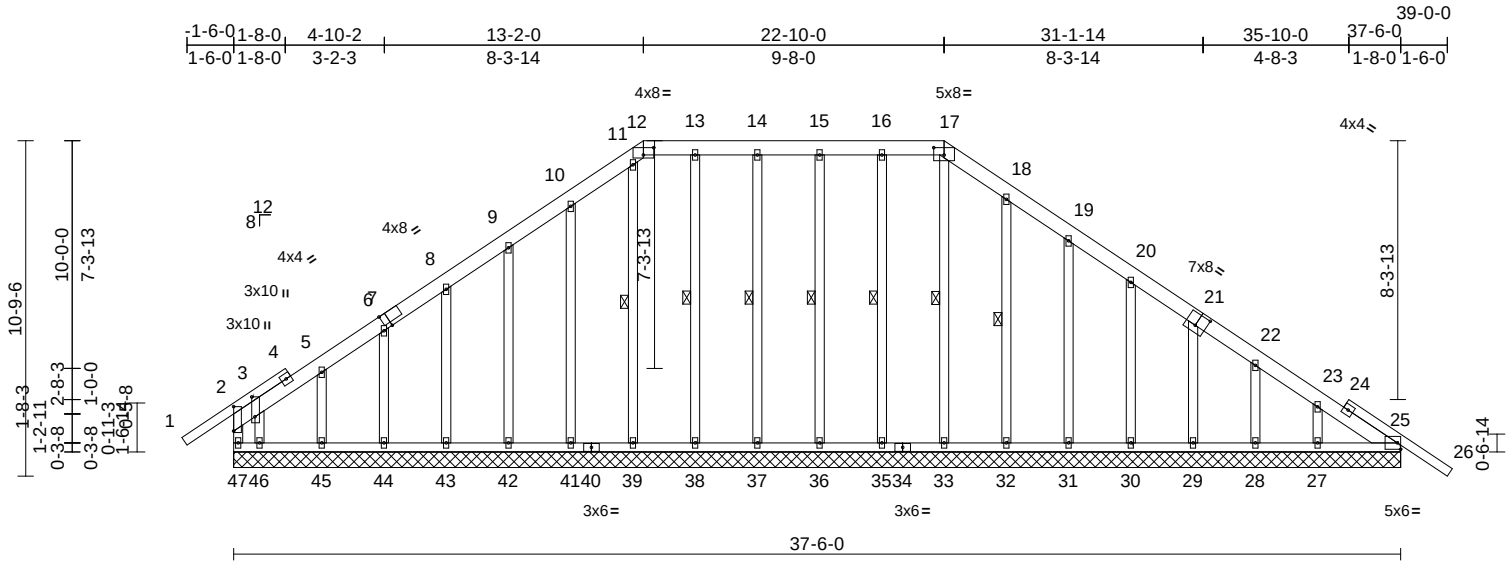
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	HG1	Piggyback Base Supported Gable	1	1	T32652342
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:34 Page: 1

ID:4yzCSfcW4lkUwTcPbavFuOzyj9K-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:74

Plate Offsets (X, Y): [2:0-9-7,Edge], [3:0-7-11,0-1-4], [7:0-2-8,Edge], [12:0-4-0,0-2-13], [17:0-4-0,0-2-13], [21:0-4-0,0-4-8]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.24	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	-0.02	25	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 332 lb	FT = 20%

LUMBER

TOP CHORD	2x6 SP No.2 *Except* 1-4,24-26:2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-6-15 oc bracing.
WEBS	1 Row at midpt 17-33, 16-35, 15-36, 14-37, 13-38, 11-39, 18-32

REACTIONS (size) 25=37-6-0, 27=37-6-0, 28=37-6-0, 29=37-6-0, 30=37-6-0, 31=37-6-0, 32=37-6-0, 33=37-6-0, 35=37-6-0, 36=37-6-0, 37=37-6-0, 38=37-6-0, 39=37-6-0, 41=37-6-0, 42=37-6-0, 43=37-6-0, 44=37-6-0, 45=37-6-0, 46=37-6-0, 47=37-6-0, 48=37-6-0

Max Horiz 47=384 (LC 11)

Max Uplift 25=-209 (LC 12), 27=-126 (LC 13), 28=-116 (LC 13), 29=-137 (LC 13), 30=-141 (LC 13), 31=-144 (LC 13), 32=-117 (LC 13), 33=-94 (LC 10), 35=-86 (LC 8), 36=-92 (LC 9), 37=-92 (LC 9), 38=-81 (LC 8), 39=-16 (LC 10), 41=-133 (LC 12), 42=-146 (LC 12), 43=-133 (LC 12), 44=-137 (LC 12), 45=-129 (LC 12), 46=-18 (LC 12), 47=-193 (LC 12), 48=-209 (LC 12)

Max Grav 25=287 (LC 19), 27=196 (LC 20), 28=162 (LC 20), 29=192 (LC 20), 30=192 (LC 20), 31=185 (LC 20), 32=202 (LC 20), 33=274 (LC 21), 35=164 (LC 1), 36=162 (LC 25), 37=162 (LC 26), 38=171 (LC 21), 39=233 (LC 21), 41=191 (LC 19), 42=191 (LC 19), 43=186 (LC 19), 44=190 (LC 19), 45=176 (LC 19), 46=72 (LC 3), 47=209 (LC 19), 48=287 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension

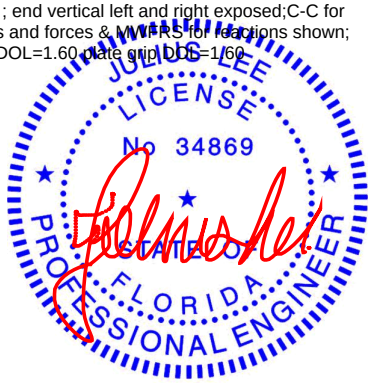
TOP CHORD 1-2=0/51, 2-3=-73/180, 3-5=-71/166, 5-6=-125/250, 6-8=-178/343, 8-9=-231/434, 9-10=-287/532, 10-11=-339/620, 11-12=-288/510, 12-13=-301/563, 13-14=-301/563, 14-15=-301/563, 15-16=-301/563, 16-17=-301/562, 17-18=-341/638, 18-19=-297/603, 19-20=-315/541, 20-22=-372/482, 22-23=-395/412, 23-25=-392/420, 25-26=0/53

BOT CHORD 46-47=-384/383, 45-46=-384/383, 44-45=-384/383, 43-44=-384/383, 42-43=-384/383, 41-42=-384/383, 39-41=-384/383, 38-39=-384/383, 37-38=-384/383, 36-37=-384/383, 35-36=-384/383, 33-35=-384/383, 32-33=-384/383, 31-32=-384/383, 30-31=-384/383, 29-30=-384/383, 28-29=-379/382, 27-28=-379/382, 25-27=-379/382

WEBS 17-33=-248/134, 16-35=-124/106, 15-36=-122/112, 14-37=-122/112, 13-38=-131/101, 11-39=-193/56, 10-41=-151/153, 9-42=-151/166, 8-43=-146/153, 6-44=-150/157, 5-45=-138/150, 3-46=-87/35, 18-32=-162/137, 19-31=-145/164, 20-30=-153/161, 21-29=-151/156, 22-28=-127/144, 23-27=-173/149, 2-47=-210/323

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
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January 18,2024

Continued on page 2

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3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) All bearings are assumed to be SP No.2 .
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 47, 209 lb uplift at joint 25, 94 lb uplift at joint 33, 86 lb uplift at joint 35, 92 lb uplift at joint 36, 92 lb uplift at joint 37, 81 lb uplift at joint 38, 16 lb uplift at joint 39, 133 lb uplift at joint 41, 146 lb uplift at joint 42, 133 lb uplift at joint 43, 137 lb uplift at joint 44, 129 lb uplift at joint 45, 18 lb uplift at joint 46, 117 lb uplift at joint 32, 144 lb uplift at joint 31, 141 lb uplift at joint 30, 137 lb uplift at joint 29, 116 lb uplift at joint 28, 126 lb uplift at joint 27 and 209 lb uplift at joint 25.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	HG2	Piggyback Base Supported Gable	1	1	T32652343 Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:35 Page: 1

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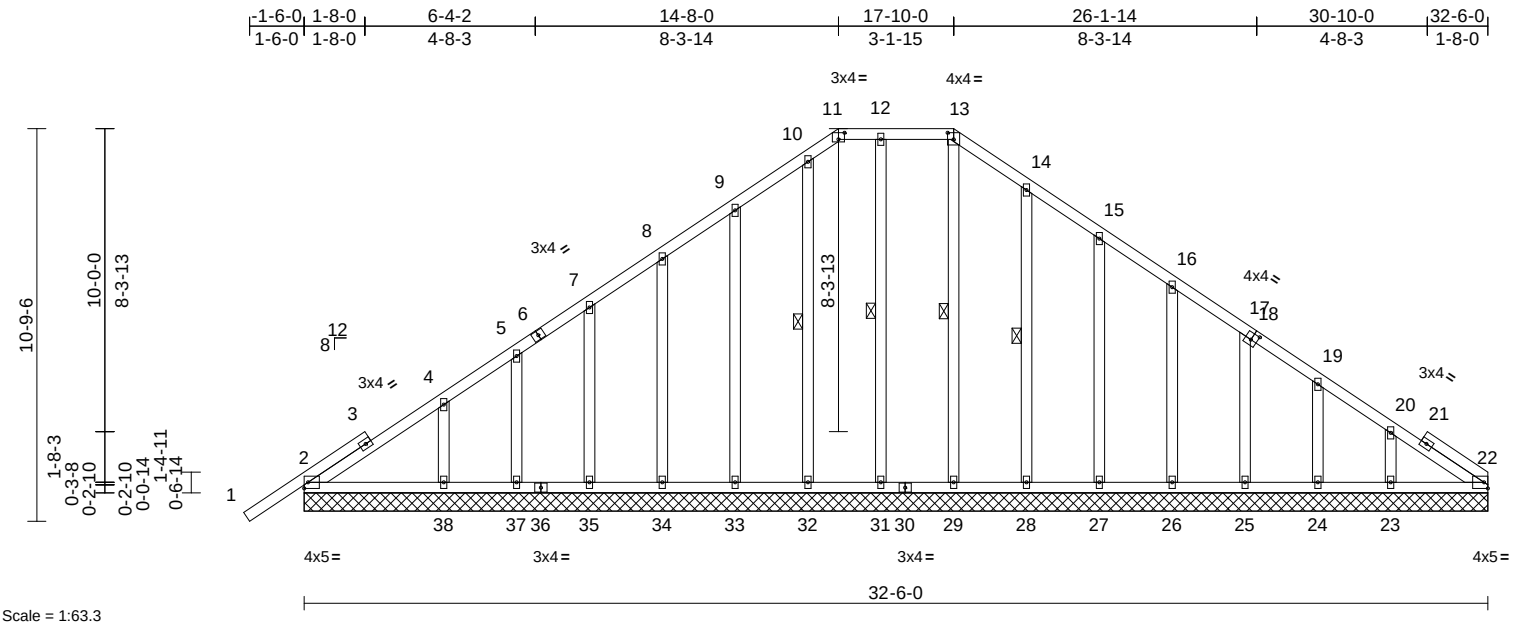


Scale = 1:63.3

Plate Offsets (X, Y): [11:0-2-0,0-2-3], [13:0-2-0,0-2-3], [18:0-2-0,0-2-4]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.22	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	22	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 235 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 13-29, 12-31, 10-32, 14-28

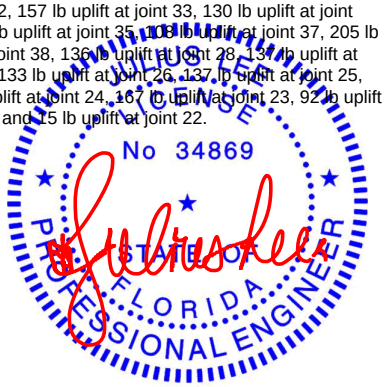
REACTIONS (size) 2=32-6-0, 22=32-6-0, 23=32-6-0, 24=32-6-0, 25=32-6-0, 26=32-6-0, 27=32-6-0, 28=32-6-0, 29=32-6-0, 31=32-6-0, 32=32-6-0, 33=32-6-0, 34=32-6-0, 35=32-6-0, 37=32-6-0, 38=32-6-0, 39=32-6-0, 42=32-6-0
Max Horiz 2=392 (LC 9), 39=392 (LC 9)
Max Uplift 2=-92 (LC 8), 22=-15 (LC 9), 23=-167 (LC 13), 24=-125 (LC 13), 25=-137 (LC 13), 26=-133 (LC 13), 27=-137 (LC 13), 28=-136 (LC 13), 31=-77 (LC 9), 32=-49 (LC 9), 33=-157 (LC 12), 34=-130 (LC 12), 35=-142 (LC 12), 37=-108 (LC 12), 38=-205 (LC 12), 39=-92 (LC 8), 42=-15 (LC 9)
Max Grav 2=261 (LC 20), 22=137 (LC 22), 23=245 (LC 20), 24=172 (LC 20), 25=191 (LC 20), 26=186 (LC 20), 27=187 (LC 20), 28=196 (LC 20), 29=154 (LC 22), 31=174 (LC 22), 32=182 (LC 19), 33=189 (LC 19), 34=184 (LC 19), 35=198 (LC 19), 37=141 (LC 19), 38=308 (LC 19), 39=261 (LC 20), 42=137 (LC 22)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/53, 2-4=-346/298, 4-5=-238/233, 5-7=-202/212, 7-8=-176/204, 8-9=-148/257, 9-10=-199/326, 10-11=-202/315, 11-12=-191/316, 12-13=-191/315, 13-14=-215/339, 14-15=-161/247, 15-16=-107/154, 16-17=-67/75, 17-19=-93/83, 19-20=-179/116, 20-22=-276/161
BOT CHORD 2-38=-146/272, 37-38=-134/272, 35-37=-134/272, 34-35=-134/272, 33-34=-134/272, 32-33=-134/272, 31-32=-134/272, 29-31=-134/272, 28-29=-134/272, 27-28=-134/272, 26-27=-134/272, 25-26=-134/272, 24-25=-134/272, 23-24=-134/272, 22-23=-134/272
WEBS 13-29=-114/15, 12-31=-134/97, 10-32=-142/69, 9-33=-152/177, 8-34=-146/150, 7-35=-153/160, 5-37=-120/134, 4-38=-227/213, 14-28=-156/156, 15-27=-147/157, 16-26=-147/154, 17-25=-148/155, 19-24=-142/152, 20-23=-177/164

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
10) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
11) All bearings are assumed to be SP No.2 .
12) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 2, 15 lb uplift at joint 22, 77 lb uplift at joint 31, 49 lb uplift at joint 32, 157 lb uplift at joint 33, 130 lb uplift at joint 34, 142 lb uplift at joint 35, 108 lb uplift at joint 37, 205 lb uplift at joint 38, 136 lb uplift at joint 28, 137 lb uplift at joint 27, 133 lb uplift at joint 26, 137 lb uplift at joint 25, 125 lb uplift at joint 24, 167 lb uplift at joint 23, 92 lb uplift at joint 2 and 15 lb uplift at joint 22.



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Continued on page 2

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

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	HG2	Piggyback Base Supported Gable	1	1	T32652343
					Job Reference (optional)

LOAD CASE(S) Standard

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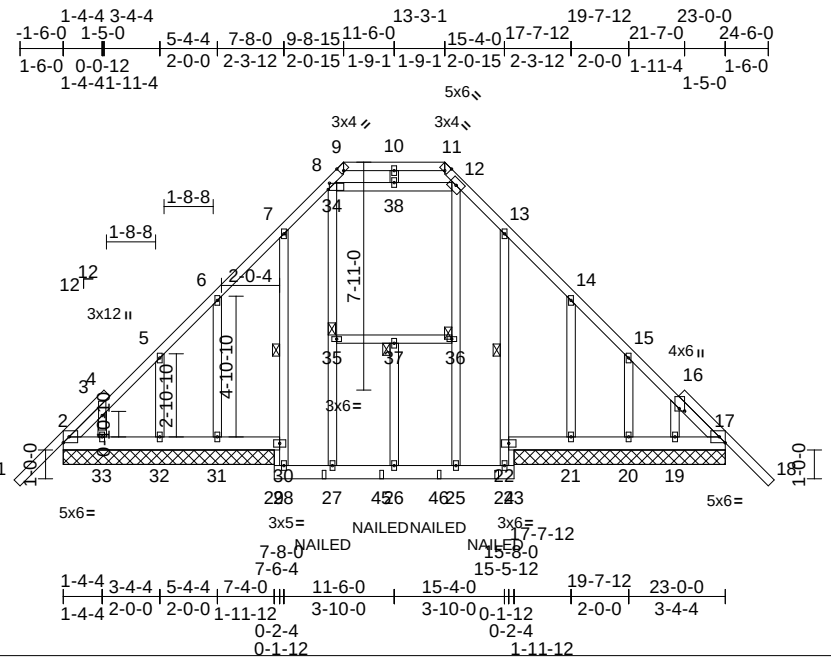
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	HGR2	Piggyback Base Girder	1	1	T32652344
					Job Reference (optional)



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

Scale = 1:80.1

Plate Offsets (X, Y): [9:0-1-8,Edge], [11:0-1-8,Edge], [16:0-1-0,0-2-4], [34:0-0-8,0-2-10]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.20	26-27	>746	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.25	26-27	>587	180		
BCLL	0.0*	Rep Stress Incr	NO	WB	0.91	Horz(CT)	0.42	42	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 212 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 7-28, 13-24
JOINTS 1 Brace at Jt(s): 35, 36, 37

REACTIONS (size) 2=7-4-0, 17=7-4-0, 19=7-4-0, 20=7-4-0, 21=7-4-0, 31=7-4-0, 32=7-4-0, 33=7-4-0, 39=7-4-0, 42=7-4-0
Max Horiz 2=-425 (LC 6), 39=-425 (LC 6)
Max Uplift 2=-381 (LC 4), 17=-211 (LC 5), 19=-109 (LC 9), 20=-713 (LC 18), 21=-443 (LC 4), 31=-662 (LC 5), 32=-630 (LC 18), 33=-176 (LC 5), 39=-381 (LC 4), 42=-211 (LC 5)
Max Grav 2=491 (LC 16), 17=404 (LC 1), 19=295 (LC 16), 20=306 (LC 5), 21=1095 (LC 17), 31=1300 (LC 15), 32=325 (LC 5), 33=376 (LC 15), 39=491 (LC 16), 42=404 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/68, 2-3=-581/490, 3-5=-616/512, 5-6=-582/535, 6-7=-600/569, 7-8=-517/656, 8-9=-274/227, 9-10=-363/271, 10-11=-363/271, 11-12=-291/238, 12-13=-435/574, 13-14=-518/514, 14-15=-364/284, 15-16=-443/287, 16-17=-492/307, 17-18=0/68
BOT CHORD 2-33=-197/443, 32-33=-197/443, 31-32=-197/443, 30-31=-197/443, 28-29=0/0, 27-28=-173/391, 26-27=-172/388, 25-26=-172/388, 24-25=-169/381, 23-24=0/0, 21-22=-191/432, 20-21=-191/432, 19-20=-191/432, 17-19=-191/432
WEBS 34-38=-242/528, 12-38=-243/530, 35-37=-21/11, 36-37=-21/11, 16-19=-115/147, 27-35=-363/304, 34-35=-348/316, 8-34=-339/306, 25-36=-271/163, 12-36=-256/174, 26-37=-65/132, 10-38=-61/34, 14-21=-365/348, 15-20=-67/232, 6-31=-371/343, 5-32=-55/191, 3-33=-189/184, 28-30=-104/259, 7-30=-82/136, 22-24=-145/300, 13-22=-56/92

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Provide adequate drainage to prevent water ponding.
6) All plates are 2x4 MT20 unless otherwise indicated.
7) Vertical gable studs spaced at 2-0-0 oc and horizontal gable studs spaced at 5-3-8 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
10) All bearings are assumed to be SP No.2 .
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 381 lb uplift at joint 2, 211 lb uplift at joint 17, 109 lb uplift at joint 19, 443 lb uplift at joint 21, 713 lb uplift at joint 20, 662 lb uplift at joint 31, 630 lb uplift at joint 32, 176 lb uplift at joint 33, 381 lb uplift at joint 2 and 211 lb uplift at joint 17.
12) "NAILED" indicates Girder: 3-16d (0.162" x 3.5") toe-nails per NDS guidelines.
13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 102 lb down and 129 lb up at 15-4-0 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

January 18,2024

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	HGR2	Piggyback Base Girder	1	1	T32652344
					Job Reference (optional)

1) Dead + Roof Live (balanced): Lumber Increase=1.25,
Plate Increase=1.25
Uniform Loads (lb/ft)
Vert: 1-9=-60, 9-11=-60, 11-18=-60, 30-39=-20,
23-29=-20, 22-42=-20
Concentrated Loads (lb)
Vert: 27=-37 (F), 24=-37 (F), 45=-37 (F), 46=-37 (F)

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	M1	Monopitch Supported Gable	1	1	T32652345 Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:37 Page: 1
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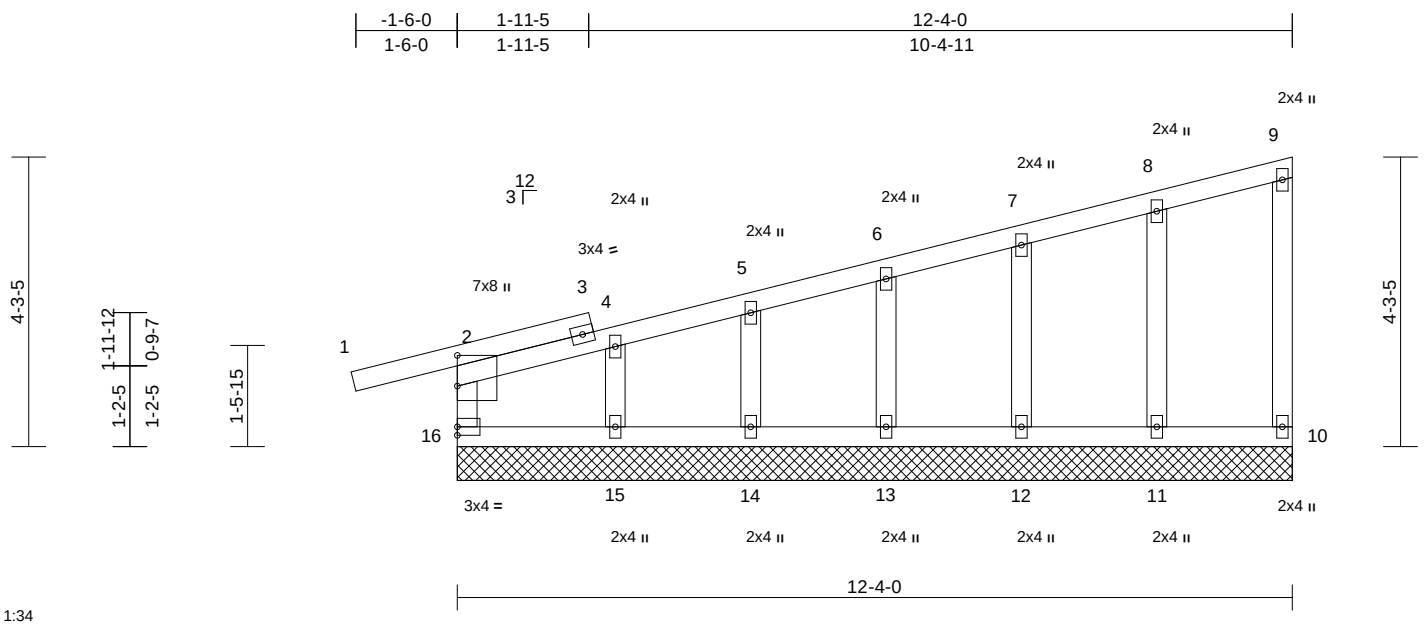


Scale = 1:34

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 66 lb	FT = 20%

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

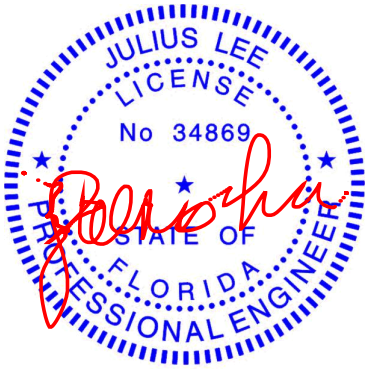
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 10=12-4-0, 11=12-4-0, 12=12-4-0, 13=12-4-0, 14=12-4-0, 15=12-4-0, 16=12-4-0
Max Horiz 16=252 (LC 11)
Max Uplift 10=-41 (LC 9), 11=-84 (LC 8), 12=-89 (LC 12), 13=-90 (LC 12), 14=-83 (LC 8), 15=-140 (LC 9), 16=-126 (LC 8)
Max Grav 10=61 (LC 1), 11=169 (LC 1), 12=159 (LC 1), 13=159 (LC 1), 14=164 (LC 1), 15=135 (LC 1), 16=218 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-4=-428/220, 4-5=-342/183, 5-6=-283/170, 6-7=-219/154, 7-8=-157/140, 8-9=-109/131, 9-10=-50/107, 2-16=-198/342
BOT CHORD 15-16=-113/144, 14-15=-113/144, 13-14=-113/144, 12-13=-113/144, 11-12=-113/144, 10-11=-113/144
WEBS 8-11=-129/250, 7-12=-119/247, 6-13=-119/241, 5-14=-125/242, 4-15=-190/349

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 16, 41 lb uplift at joint 10, 84 lb uplift at joint 11, 89 lb uplift at joint 12, 90 lb uplift at joint 13, 83 lb uplift at joint 14 and 140 lb uplift at joint 15.

LOAD CASE(S) Standard



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MiTek Inc. DBA MiTek USA FL Cert 6634
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Date:

January 18,2024

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	M2	Monopitch	6	1	T32652346
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:37 Page: 1
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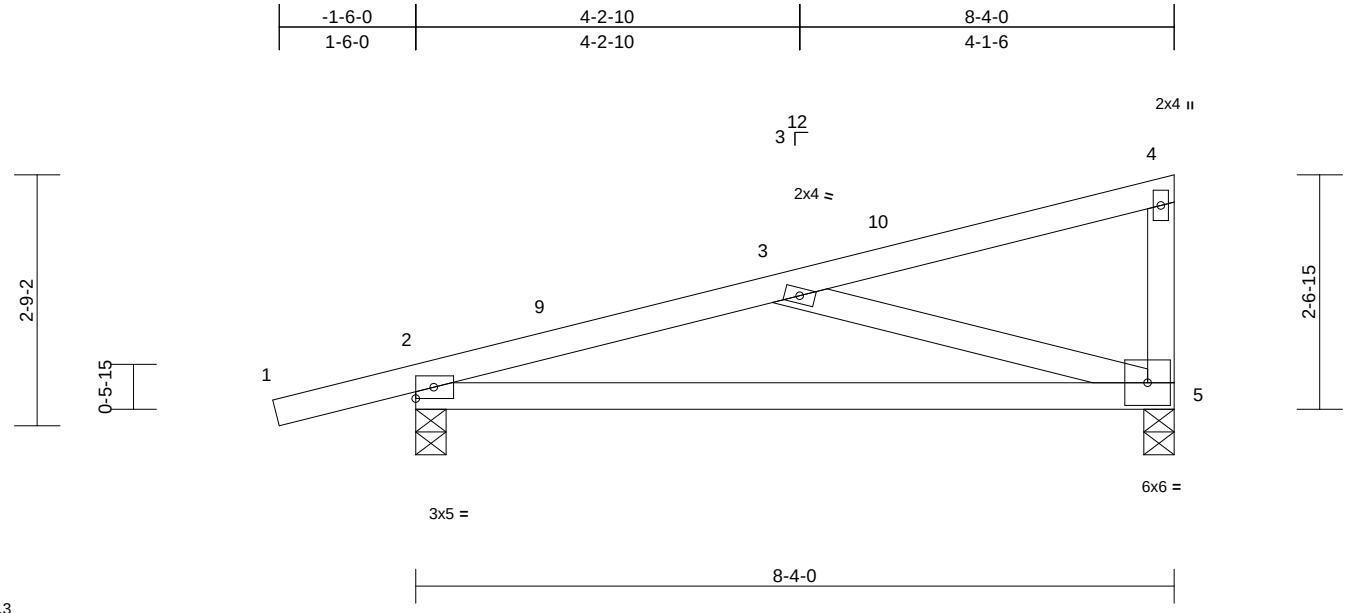


Scale = 1:25.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.13	5-8	>741	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.26	5-8	>375	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.19	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 37 lb	FT = 20%

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

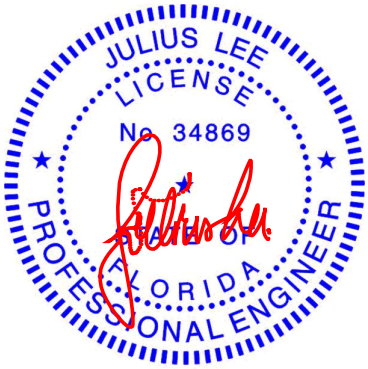
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-13 oc bracing.

REACTIONS (size) 2=0-4-0, 5=0-4-0
Max Horiz 2=150 (LC 11)
Max Uplift 2=-275 (LC 8), 5=-169 (LC 12)
Max Grav 2=428 (LC 1), 5=319 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/22, 2-3=-583/597, 3-4=-123/73, 4-5=-108/286
BOT CHORD 2-5=-841/630
WEBS 3-5=-602/827

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-7 to 1-5-9, Zone1 1-5-9 to 8-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
5) All bearings are assumed to be SP No.2 .
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 2 and 169 lb uplift at joint 5.

LOAD CASE(S) Standard



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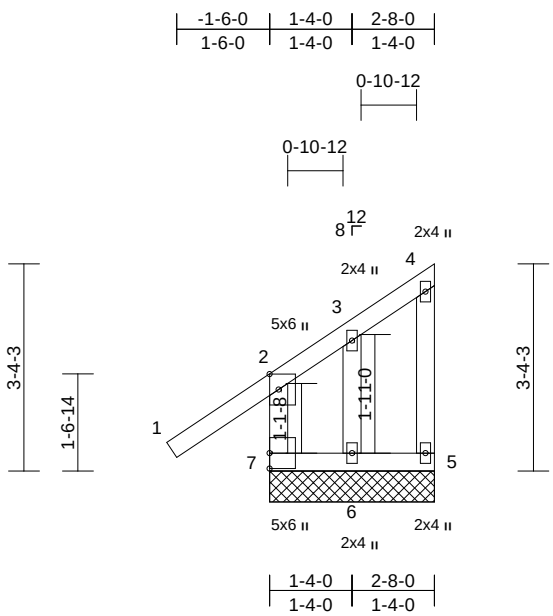
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	M3	Jack-Open Supported Gable	2	1	T32652347
					Job Reference (optional)



Scale = 1:37.3

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.36	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 20 lb	FT = 20%

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

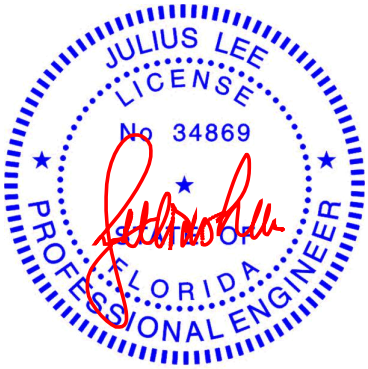
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 5=2-8-0, 6=2-8-0, 7=2-8-0
Max Horiz 7=199 (LC 11)
Max Uplift 5=-46 (LC 9), 6=-154 (LC 9), 7=-108 (LC 8)
Max Grav 5=66 (LC 19), 6=149 (LC 10), 7=260 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-7=-254/444, 4-5=-81/129, 1-2=0/57, 2-3=-259/224, 3-4=-92/98
BOT CHORD 6-7=-100/109, 5-6=-100/109
WEBS 3-6=-251/290

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 108 lb uplift at joint 7, 46 lb uplift at joint 5 and 154 lb uplift at joint 6.

LOAD CASE(S) Standard



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January 18,2024

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

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB1	Piggyback	29	1	T32652348
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:37 Page: 1

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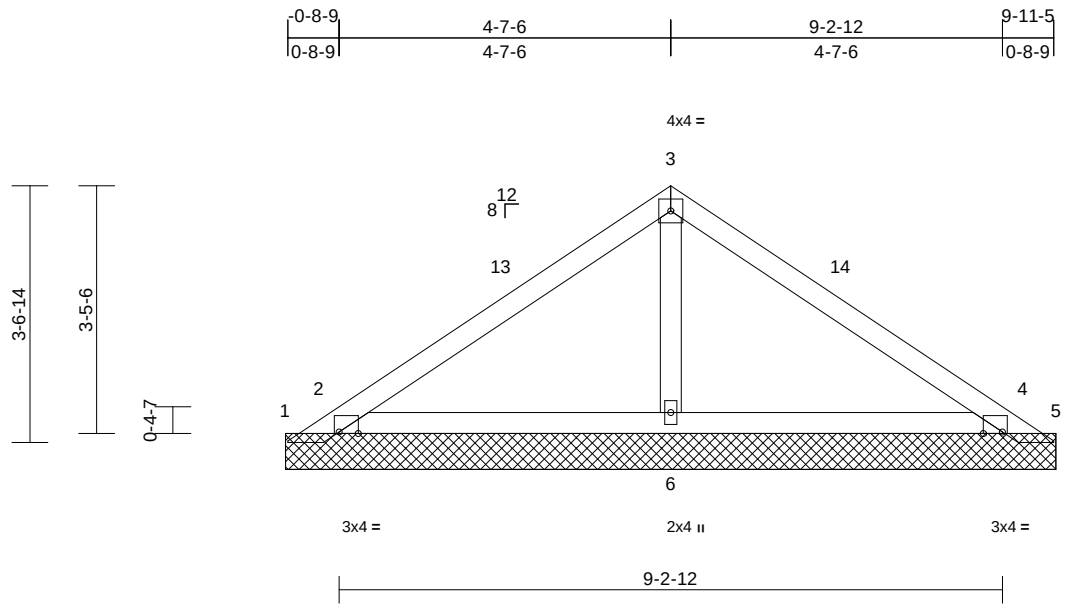


Scale = 1:32.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 37 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING

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

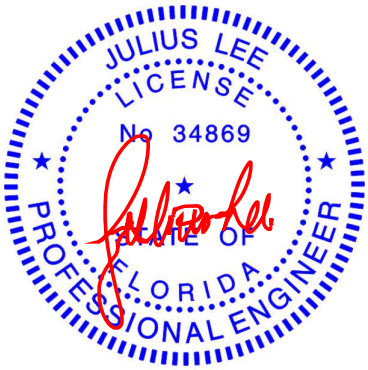
REACTIONS (size) 1=10-8-10, 2=10-8-10, 4=10-8-10, 5=10-8-10, 6=10-8-10, 7=10-8-10, 10=10-8-10
Max Horiz 1=-131 (LC 8)
Max Uplift 1=-421 (LC 19), 2=-474 (LC 12), 4=-444 (LC 13), 5=-358 (LC 20), 6=-52 (LC 12), 7=-474 (LC 12), 10=-444 (LC 13)
Max Grav 1=334 (LC 12), 2=697 (LC 19), 4=644 (LC 20), 5=282 (LC 13), 6=281 (LC 1), 7=697 (LC 19), 10=644 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-266/334, 2-3=-246/194, 3-4=-240/181, 4-5=-244/223
BOT CHORD 2-6=-169/199, 4-6=-169/206
WEBS 3-6=-168/119

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 5-4-5, Zone2 5-4-5 to 9-6-13, Zone1 9-6-13 to 10-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 474 lb uplift at joint 2, 444 lb uplift at joint 4, 421 lb uplift at joint 1, 358 lb uplift at joint 5, 52 lb uplift at joint 6, 474 lb uplift at joint 2 and 444 lb uplift at joint 4.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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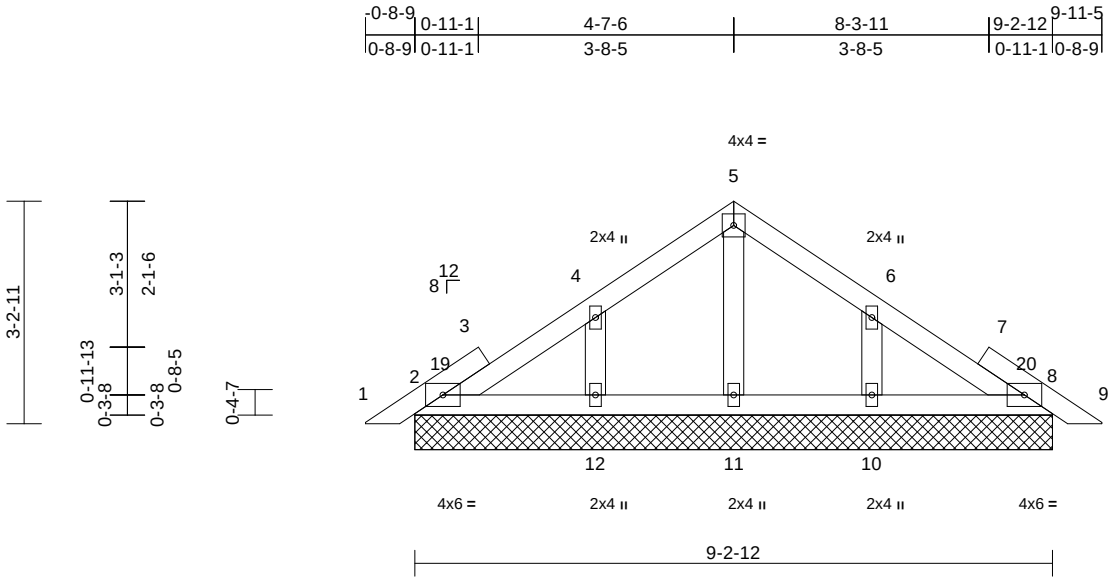
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB2	Piggyback	1	1	T32652349
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:38 Page: 1
ID:ZKpiQDFxipa5vwBuZyfNcjzwjrb-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:33.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 42 lb	FT = 20%

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

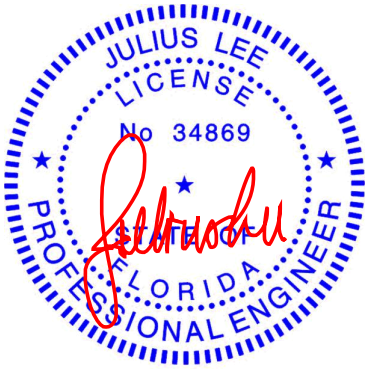
BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 2=9-2-12, 8=9-2-12, 10=9-2-12, 11=9-2-12, 12=9-2-12, 13=9-2-12, 16=9-2-12
Max Horiz 2=117 (LC 11), 13=117 (LC 11)
Max Uplift 2=-31 (LC 13), 8=-42 (LC 13), 10=-173 (LC 13), 12=-169 (LC 12), 13=-31 (LC 13), 16=-42 (LC 13)
Max Grav 2=112 (LC 25), 8=112 (LC 26), 10=255 (LC 20), 11=133 (LC 19), 12=251 (LC 19), 13=112 (LC 25), 16=112 (LC 26)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-4=-70/97, 4-5=-61/113, 5-6=-60/123, 6-8=-71/68, 8-9=0/16
BOT CHORD 2-12=-70/147, 11-12=-70/147, 10-11=-70/147, 8-10=-70/147
WEBS 5-11=-110/16, 4-12=-203/261, 6-10=-202/260

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-5 to 3-4-5, Zone1 3-4-5 to 5-4-5, Zone2 5-4-5 to 9-7-3, Zone1 9-7-3 to 10-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 2, 42 lb uplift at joint 8, 169 lb uplift at joint 12, 173 lb uplift at joint 10, 31 lb uplift at joint 2 and 42 lb uplift at joint 8.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



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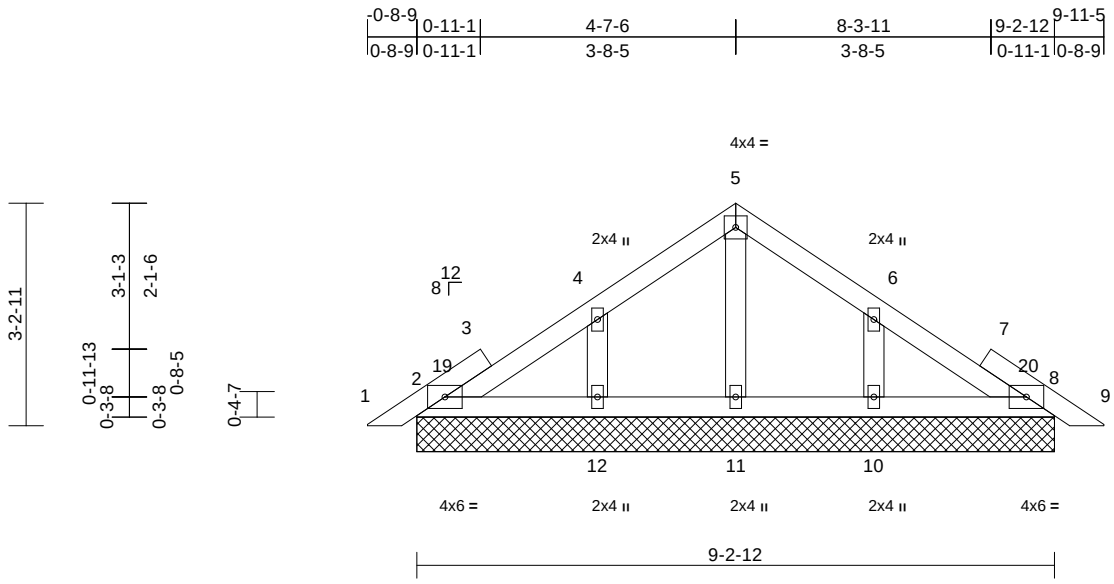
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB3	Piggyback	1	1	T32652350
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:38 Page: 1

ID:C5V5FA7guFhP8mONMW_VT9zyiwS-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:33.3

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 42 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING

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

REACTIONS (size) 2=9-2-12, 8=9-2-12, 10=9-2-12, 11=9-2-12, 12=9-2-12, 13=9-2-12, 16=9-2-12
Max Horiz 2=-117 (LC 10), 13=-117 (LC 10)
Max Uplift 2=-31 (LC 13), 8=-42 (LC 13), 10=-173 (LC 13), 12=-169 (LC 12), 13=-31 (LC 13), 16=-42 (LC 13)
Max Grav 2=112 (LC 25), 8=112 (LC 26), 10=255 (LC 20), 11=133 (LC 19), 12=251 (LC 19), 13=112 (LC 25), 16=112 (LC 26)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-4=-70/97, 4-5=-61/113, 5-6=-60/123, 6-8=-71/68, 8-9=0/16
BOT CHORD 2-12=-70/147, 11-12=-70/147, 10-11=-70/147, 8-10=-70/147
WEBS 5-11=-110/16, 4-12=-203/261, 6-10=-202/260

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-5 to 3-4-5, Zone1 3-4-5 to 5-4-5, Zone2 5-4-5 to 9-7-3, Zone1 9-7-3 to 10-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
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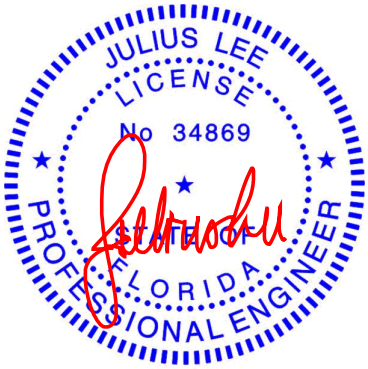
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



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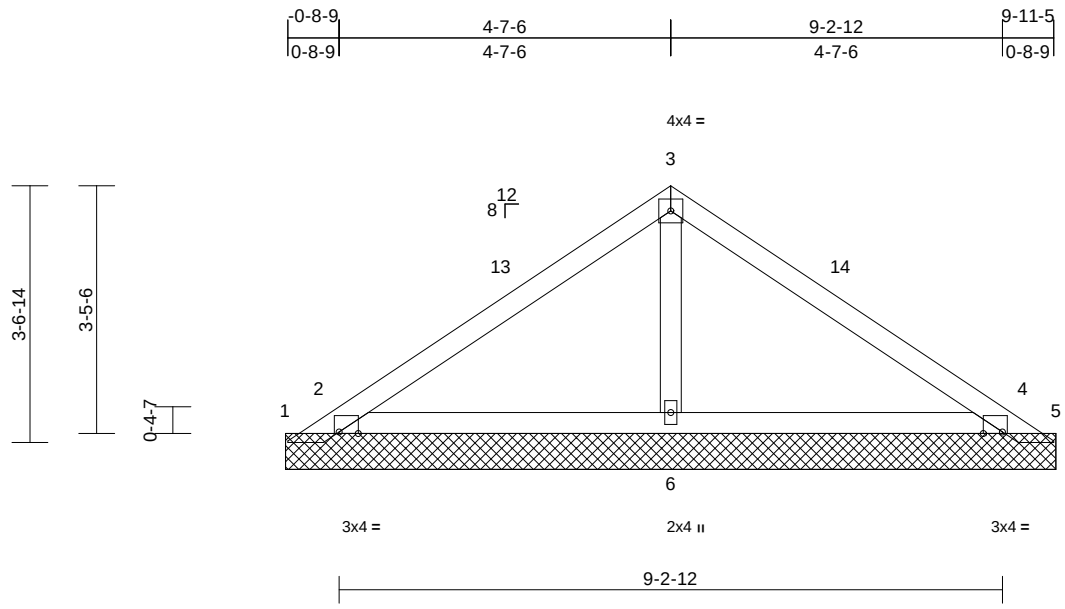
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB4	Piggyback	1	1	T32652351
					Job Reference (optional)



Scale = 1:32.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.03	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 37 lb	FT = 20%

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

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

REACTIONS (size) 1=10-8-10, 2=10-8-10, 4=10-8-10, 5=10-8-10, 6=10-8-10, 7=10-8-10, 10=10-8-10
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FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-266/334, 2-3=-246/194, 3-4=-240/181, 4-5=-244/223
BOT CHORD 2-6=-169/199, 4-6=-169/206
WEBS 3-6=-168/119

NOTES
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2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-3-5 to 3-3-5, Zone1 3-3-5 to 5-4-5, Zone2 5-4-5 to 9-6-13, Zone1 9-6-13 to 10-5-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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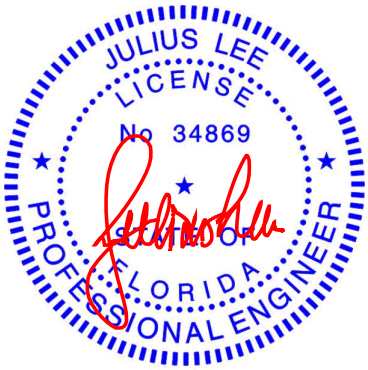
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



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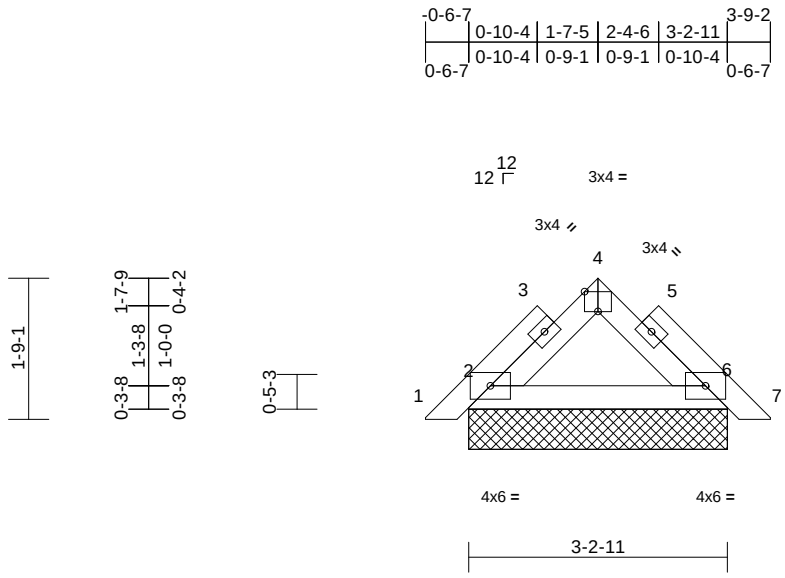
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB5	Piggyback	1	1	T32652352
					Job Reference (optional)



Scale = 1:28.7

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.10	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

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

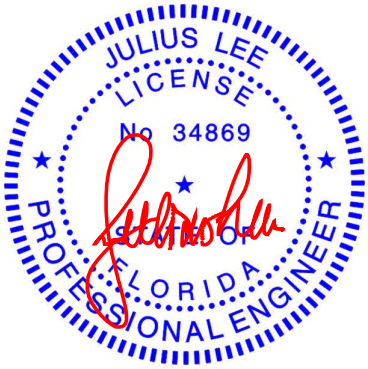
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=3-2-11, 6=3-2-11, 8=3-2-11, 11=3-2-11
Max Horiz 2=-60 (LC 10), 8=-60 (LC 10)
Max Uplift 2=-63 (LC 12), 6=-63 (LC 13), 8=-63 (LC 12), 11=-63 (LC 13)
Max Grav 2=149 (LC 1), 6=149 (LC 1), 8=149 (LC 1), 11=149 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-4=-105/128, 4-6=-105/128, 6-7=0/14
BOT CHORD 2-6=-13/85

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 2, 63 lb uplift at joint 6, 63 lb uplift at joint 2 and 63 lb uplift at joint 6.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB6	Piggyback	11	1	T32652353
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:39 Page: 1

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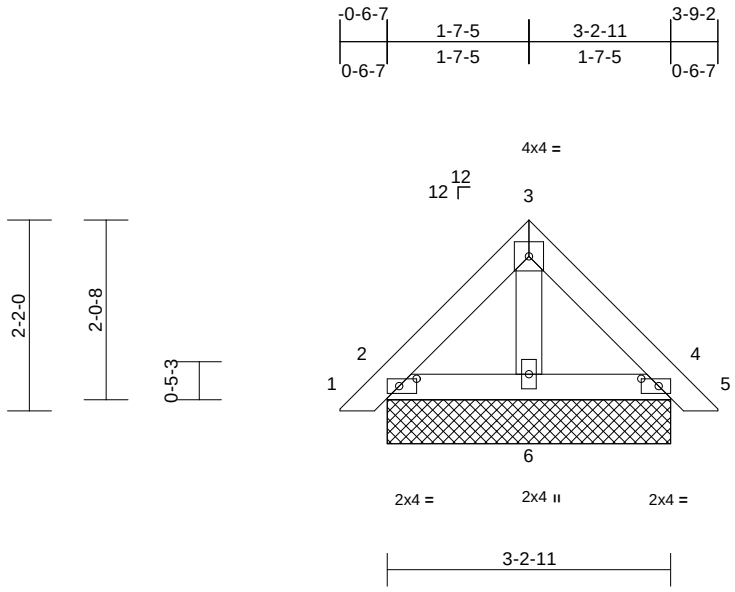


Scale = 1:26.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 16 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=3-2-11, 4=3-2-11, 6=3-2-11, 7=3-2-11, 10=3-2-11
Max Horiz 2=-76 (LC 10), 7=-76 (LC 10)
Max Uplift 2=-43 (LC 13), 4=-51 (LC 13), 6=-31 (LC 12), 7=-43 (LC 13), 10=-51 (LC 13)
Max Grav 2=98 (LC 1), 4=98 (LC 1), 6=104 (LC 19), 7=98 (LC 1), 10=98 (LC 1)

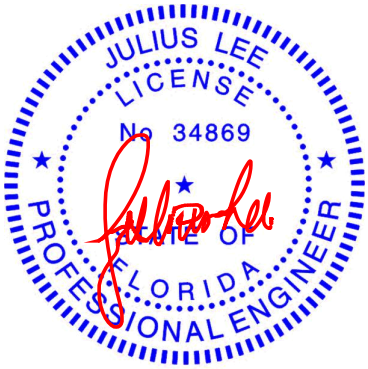
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/14, 2-3=-70/84, 3-4=-71/85, 4-5=0/14
BOT CHORD	2-6=-30/85, 4-6=-30/85
WEBS	3-6=-41/4

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 43 lb uplift at joint 2, 51 lb uplift at joint 4, 31 lb uplift at joint 6, 43 lb uplift at joint 2 and 51 lb uplift at joint 4.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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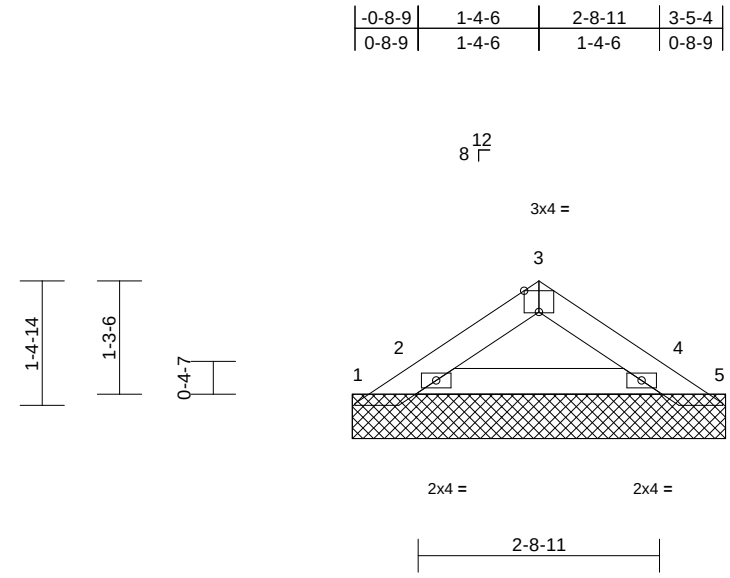
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB7	Piggyback	2	1	T32652354
					Job Reference (optional)



Scale = 1:26

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 12 lb	FT = 20%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=4-2-9, 2=4-2-9, 4=4-2-9, 5=4-2-9, 6=4-2-9, 9=4-2-9
Max Horiz 1=47 (LC 9)
Max Uplift 1=-46 (LC 10), 2=-84 (LC 12), 4=-69 (LC 13), 5=-27 (LC 3), 6=-84 (LC 12), 9=-69 (LC 13)
Max Grav 1=28 (LC 9), 2=201 (LC 19), 4=170 (LC 1), 5=8 (LC 13), 6=201 (LC 19), 9=170 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-54/76, 2-3=-76/109, 3-4=-76/109, 4-5=-16/34
BOT CHORD 2-4=-11/60

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 84 lb uplift at joint 2, 69 lb uplift at joint 4, 46 lb uplift at joint 1, 27 lb uplift at joint 5, 84 lb uplift at joint 2 and 69 lb uplift at joint 4.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard

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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB8	Piggyback	1	1	T32652355
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:39 Page: 1
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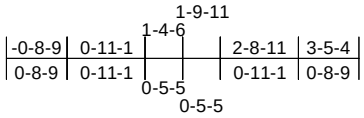
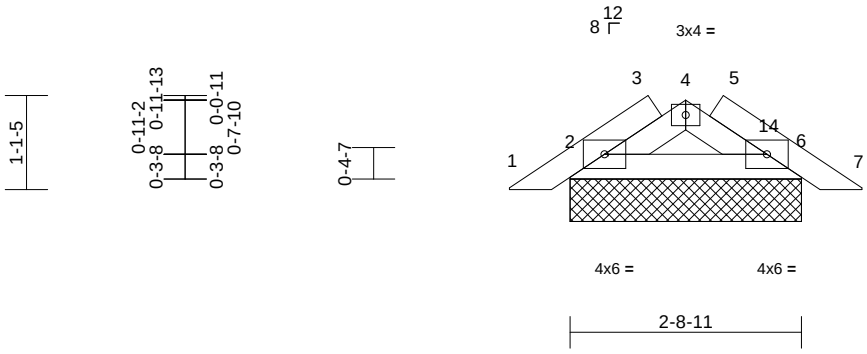




Scale = 1:27.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 13 lb	FT = 20%

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

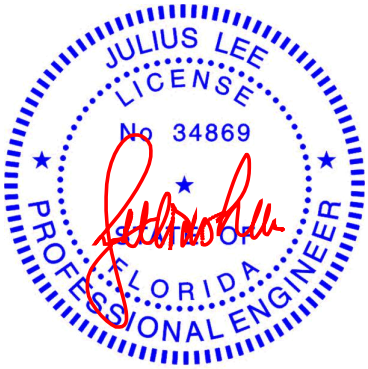
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 2=2-8-11, 6=2-8-11, 8=2-8-11, 11=2-8-11
Max Horiz 2=-35 (LC 10), 8=-35 (LC 10)
Max Uplift 2=-65 (LC 12), 6=-62 (LC 13), 8=-65 (LC 12), 11=-62 (LC 13)
Max Grav 2=136 (LC 1), 6=123 (LC 1), 8=136 (LC 1), 11=123 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-4=-128/144, 4-6=-128/144, 6-7=0/16
BOT CHORD 2-6=-56/115

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 65 lb uplift at joint 2, 62 lb uplift at joint 6, 65 lb uplift at joint 2 and 62 lb uplift at joint 6.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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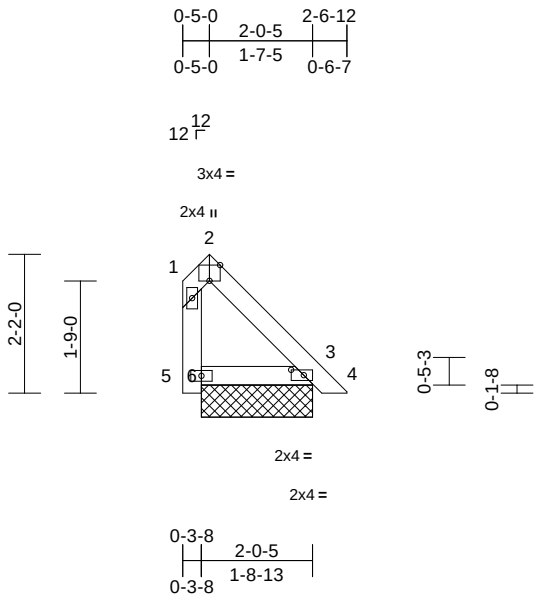
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	PB9	Piggyback	2	1	T32652356
					Job Reference (optional)



Scale = 1:36

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.09	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.12	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MR							Weight: 11 lb	FT = 20%

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

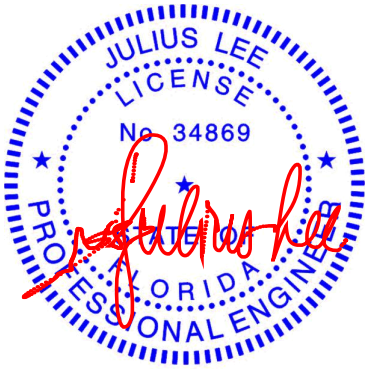
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 3=1-8-13, 5=1-8-13, 6=1-8-13, 7=1-8-13
Max Horiz 6=-111 (LC 10)
Max Uplift 3=-21 (LC 13), 5=-63 (LC 13), 7=-21 (LC 13)
Max Grav 3=105 (LC 19), 5=88 (LC 20), 7=105 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 5-6=0/0, 1-5=-84/115, 1-2=-72/93, 2-3=-70/46, 3-4=0/14
BOT CHORD 3-5=-78/159

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 0-5-0, Zone1 0-5-0 to 2-4-7 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 5, 21 lb uplift at joint 3 and 21 lb uplift at joint 3.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T1	Attic	3	1	T32652357
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:40 Page: 1

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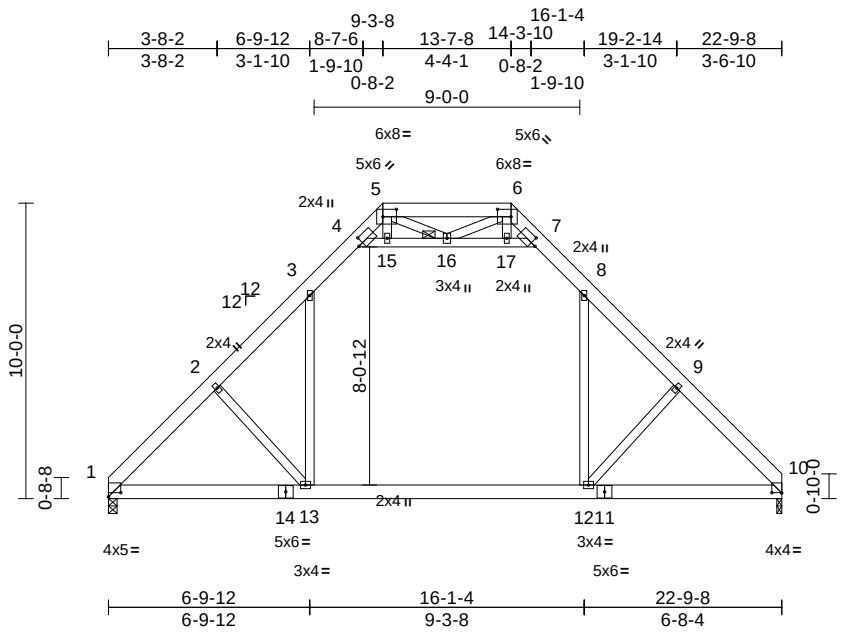


Scale = 1:78

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.65	Vert(LL)	-0.23	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.33	12-13	>824	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Attic	-0.17	12-13	>641	360	Weight: 176 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 11-14:2x6 SP DSS
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-1-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

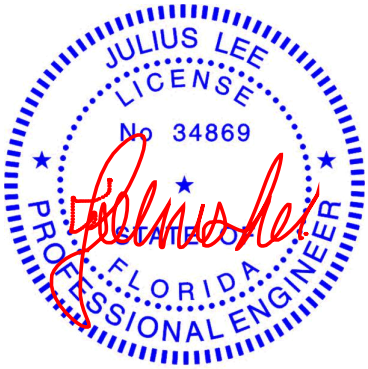
REACTIONS (size) 1=0-3-8, 10=0-2-0
Max Horiz 1=362 (LC 9)
Max Uplift 1=-221 (LC 12), 10=-218 (LC 13)
Max Grav 1=1214 (LC 2), 10=1218 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1608/282, 2-3=-1510/312, 3-4=-897/295, 4-5=-202/189, 5-6=-125/375, 6-7=-199/189, 7-8=-904/296, 8-9=-1493/309, 9-10=-1594/280
BOT CHORD 1-13=-327/1284, 12-13=-98/1017, 10-12=-116/1060
WEBS 3-13=-110/751, 8-12=-105/724, 4-15=-1413/561, 15-16=-1393/558, 16-17=-1411/562, 7-17=-1431/565, 2-13=-404/426, 9-12=-361/419, 5-15=-17/132, 5-16=-162/208, 6-16=-158/214, 6-17=-17/134

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 0-0-8 to 9-4-0, Zone3 9-4-0 to 13-8-0, Zone1 13-8-0 to 22-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 3-4, 7-8, 4-15, 15-16, 16-17, 7-17
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 1 and 218 lb uplift at joint 10.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.
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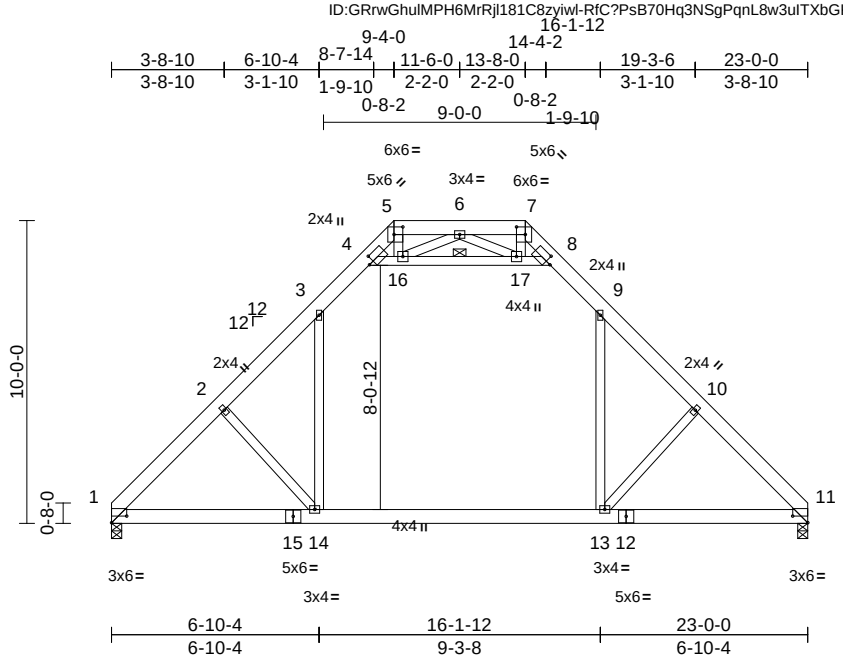
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T2	Attic	3	1	T32652358
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:41 Page: 1

ID:GRrwGhulMPH6MrRjl181C8zyiwl-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:76.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.23	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.33	13-14	>843	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Attic	-0.17	13-14	>649	360	Weight: 177 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 12-15:2x6 SP DSS
WEBS 2x4 SP No.2

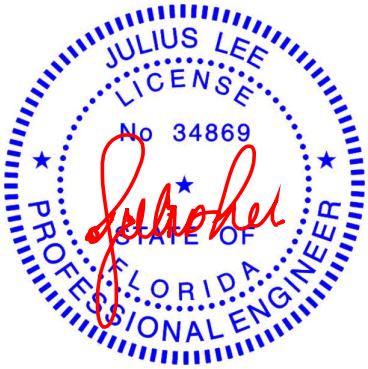
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS (size) 1=0-4-0, 11=0-4-0
Max Horiz 1=-365 (LC 8)
Max Uplift 1=-223 (LC 12), 11=-223 (LC 13)
Max Grav 1=1223 (LC 2), 11=1223 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1632/286, 2-3=-1534/316, 3-4=-913/298, 4-5=-169/224, 5-6=-236/553, 6-7=-236/552, 7-8=-169/224, 8-9=-913/298, 9-10=-1534/315, 10-11=-1632/286
BOT CHORD 1-14=-325/1306, 13-14=-99/1036, 11-13=-118/1110
WEBS 3-14=-112/759, 9-13=-113/759, 4-16=-1510/613, 16-17=-1188/404, 8-17=-1510/613, 2-14=-407/427, 10-13=-409/428, 5-16=-103/294, 7-17=-103/294, 6-16=-321/285, 6-17=-321/285

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 0-0-0 to 9-4-0, Zone3 9-4-0 to 13-8-0, Zone1 13-8-0 to 23-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-16, 16-17, 8-17
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 223 lb uplift at joint 1 and 223 lb uplift at joint 11.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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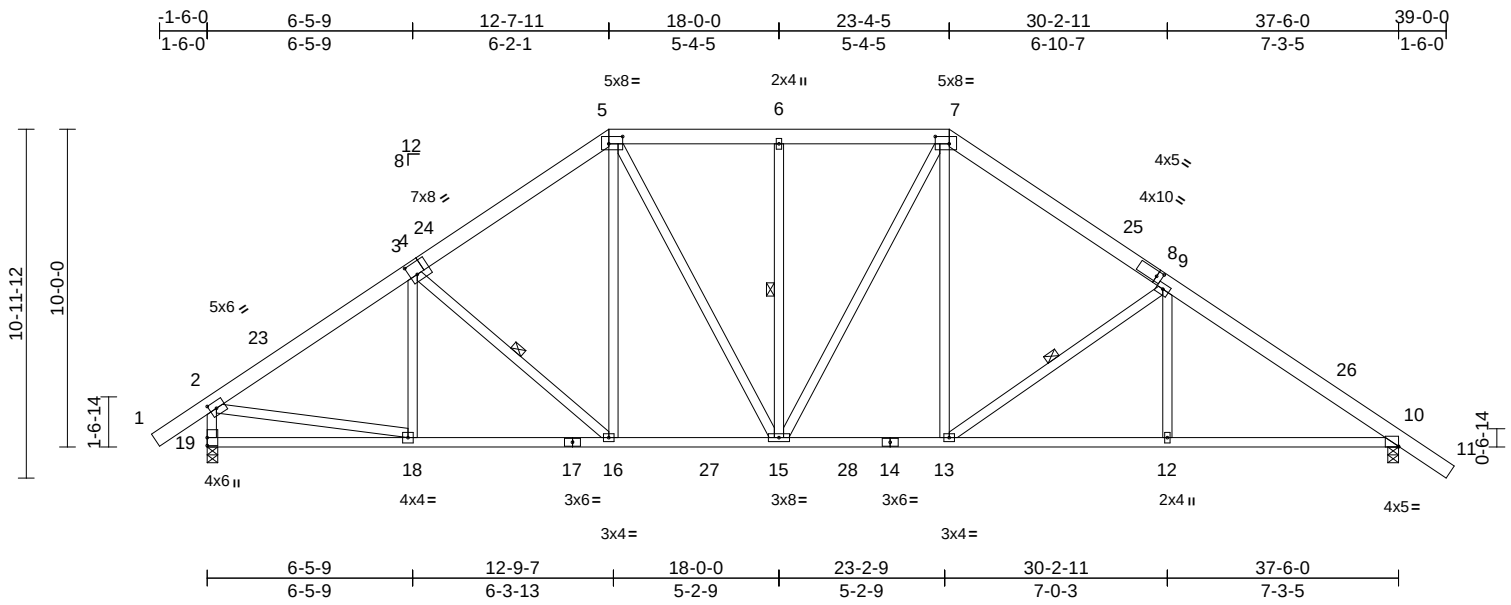
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T2A	Piggyback Base	1	1	T32652359
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:41 ID:NDfFZxFaId3rySjUWKh4QTzyiwH-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:72.5

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.34	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.68	Vert(CT)	-0.21	12-13	>999	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.08	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 287 lb	FT = 20%

LUMBER

TOP CHORD 2x6 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-7-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-10 oc bracing.
WEBS 1 Row at midpt 3-16, 6-15, 9-13

REACTIONS (size) 10=0-4-0, 19=0-4-0
Max Horiz 19=-438 (LC 10)
Max Uplift 10=-604 (LC 13), 19=-582 (LC 12)
Max Grav 10=1712 (LC 2), 19=1724 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/59, 2-3=-2031/693, 3-5=-1830/743, 5-6=-1621/753, 6-7=-1621/753, 7-9=-1939/764, 9-10=-2463/806, 10-11=0/54, 2-19=-1621/699
BOT CHORD 18-19=-376/478, 16-18=-535/1737, 15-16=-416/1448, 13-15=-262/1532, 12-13=-509/1975, 10-12=-509/1975
WEBS 3-18=-138/143, 3-16=-413/358, 5-16=-177/506, 5-15=-320/433, 6-15=-345/310, 7-15=-307/298, 7-13=-218/680, 9-13=-740/487, 9-12=0/287, 2-18=-369/1513

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-7-8 to 2-1-8, Zone1 2-1-8 to 12-7-11, Zone2 12-7-11 to 18-0-0, Zone1 18-0-0 to 23-4-5, Zone2 23-4-5 to 28-7-15, Zone1 28-7-15 to 39-1-8 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) All bearings are assumed to be SP No.2 .
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 582 lb uplift at joint 19 and 604 lb uplift at joint 10.

LOAD CASE(S) Standard

Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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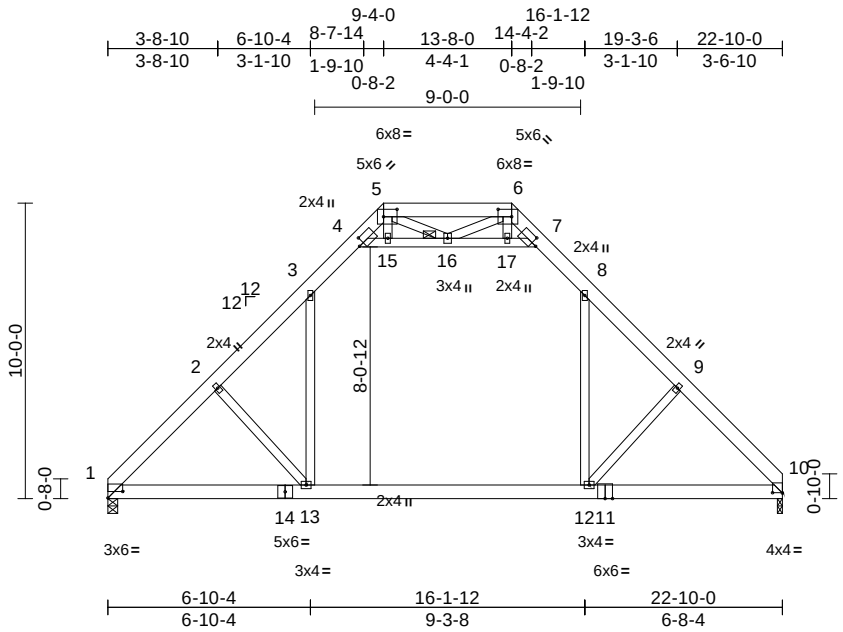
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T3	Attic	2	1	T32652360
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:41 Page: 1

ID:Ves9?O0ckfV28P1VPvM4PEzv7?q-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:78

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.23	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.62	Vert(CT)	-0.33	12-13	>827	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Attic	-0.17	12-13	>642	360	Weight: 176 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 11-14:2x6 SP DSS
WEBS 2x4 SP No.2

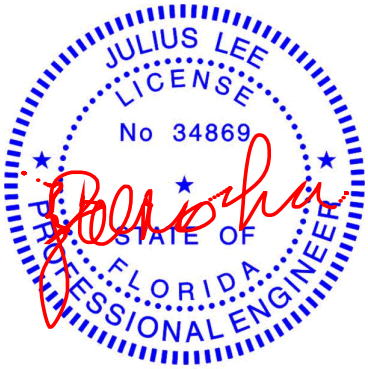
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 16

REACTIONS (size) 1=0-4-0, 10=0-2-0
Max Horiz 1=364 (LC 9)
Max Uplift 1=-222 (LC 12), 10=-218 (LC 13)
Max Grav 1=1215 (LC 2), 10=1221 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1617/283, 2-3=-1519/313, 3-4=-898/295, 4-5=-202/189, 5-6=-125/377, 6-7=-198/190, 7-8=-907/296, 8-9=-1496/310, 9-10=-1598/280
BOT CHORD 1-13=-329/1296, 12-13=-98/1020, 10-12=-117/1062
WEBS 3-13=-112/760, 8-12=-105/724, 4-15=-1415/562, 15-16=-1395/559, 16-17=-1419/563, 7-17=-1439/566, 5-15=-17/132, 5-16=-163/207, 6-16=-158/216, 6-17=-17/135, 2-13=-417/429, 9-12=-359/419

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 0-0-0 to 9-4-0, Zone3 9-4-0 to 13-8-0, Zone1 13-8-0 to 22-10-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 3-4, 7-8, 4-15, 15-16, 16-17, 7-17
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 12-13
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 10.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 222 lb uplift at joint 1 and 218 lb uplift at joint 10.
12) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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Chesterfield, MO 63017
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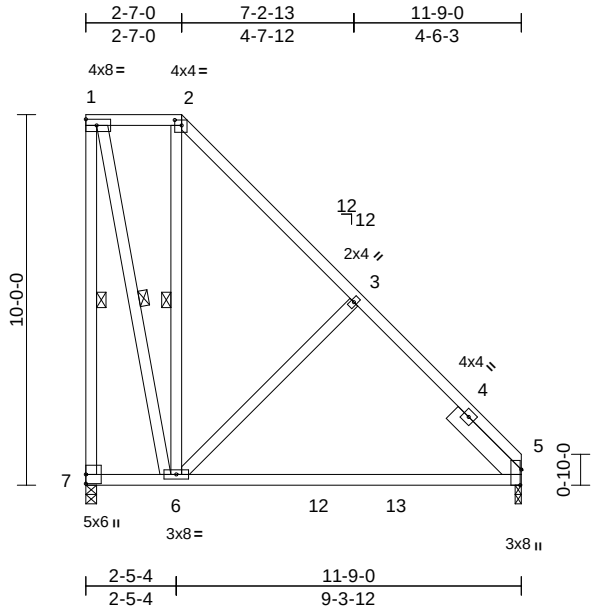
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T4	Piggyback Base	2	1	T32652361
					Job Reference (optional)



Scale = 1:62.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.53	Vert(LL)	-0.18	6-10	>790	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.31	6-10	>452	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.36	Horz(CT)	-0.03	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 99 lb	FT = 20%

LUMBER
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except* 7-1:2x4 SP DSS
SLIDER Right 2x6 SP No.2 -- 2-6-0

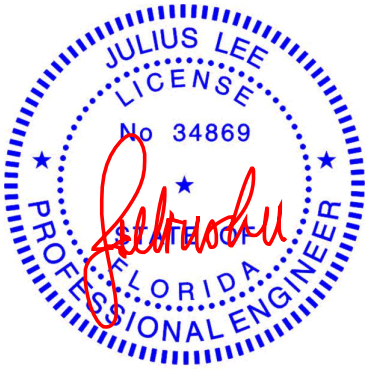
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 1-7, 1-6, 2-6

REACTIONS (size) 5=0-2-0, 7=0-3-8
Max Horiz 7=-564 (LC 10)
Max Uplift 5=-103 (LC 13), 7=-379 (LC 8)
Max Grav 5=613 (LC 19), 7=604 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-767/640, 1-2=-359/344, 2-3=-440/313, 3-5=-943/278
BOT CHORD 6-7=-585/757, 5-6=-160/415
WEBS 1-6=-651/810, 2-6=-382/451, 3-6=-435/450

NOTES
1) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-1-12 to 2-7-0, Zone1 2-7-0 to 11-9-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) All bearings are assumed to be SP No.2 .
7) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 7 and 103 lb uplift at joint 5.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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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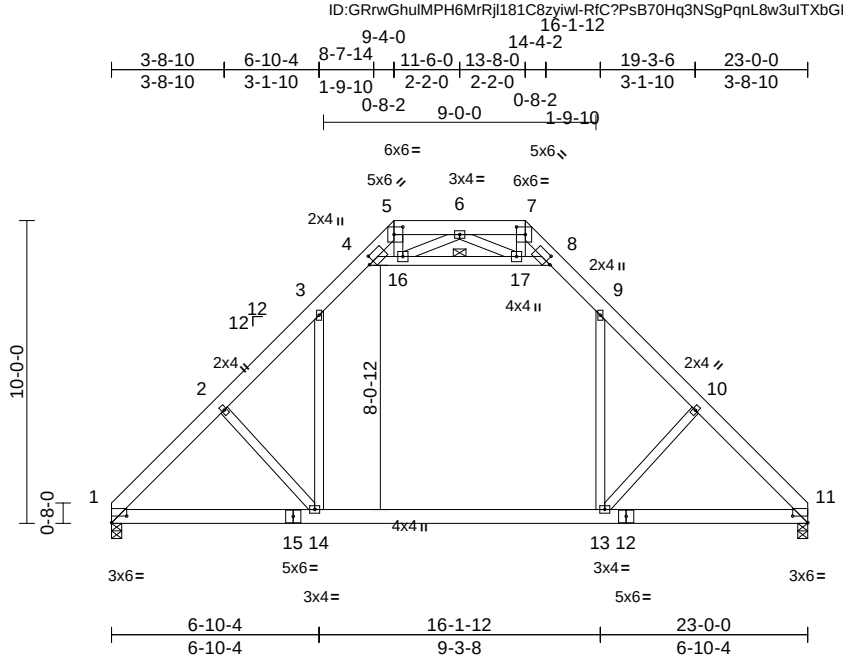
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T5	Attic	3	1	T32652362
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:42 Page: 1

ID:GRrwGhulMPH6MrRjl181C8zyiwl-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:76.1

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	-0.23	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.33	13-14	>843	180		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.21	Horz(CT)	0.02	11	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS		Attic	-0.17	13-14	>649	360	Weight: 177 lb	FT = 20%

LUMBER
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2 *Except* 12-15:2x6 SP DSS
WEBS 2x4 SP No.2

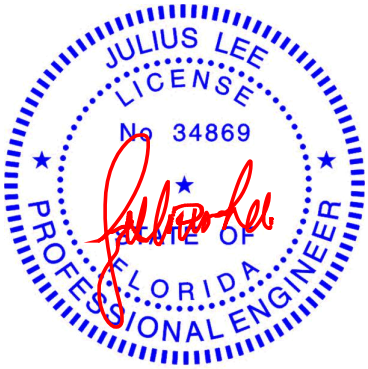
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS (size) 1=0-4-0, 11=0-4-0
Max Horiz 1=-365 (LC 8)
Max Uplift 1=-223 (LC 12), 11=-223 (LC 13)
Max Grav 1=1223 (LC 2), 11=1223 (LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1632/286, 2-3=-1534/316, 3-4=-913/298, 4-5=-169/224, 5-6=-236/553, 6-7=-236/552, 7-8=-169/224, 8-9=-913/298, 9-10=-1534/315, 10-11=-1632/286
BOT CHORD 1-14=-325/1306, 13-14=-99/1036, 11-13=-118/1110
WEBS 3-14=-112/759, 9-13=-113/759, 4-16=-1510/613, 16-17=-1188/404, 8-17=-1510/613, 5-16=-103/294, 7-17=-103/294, 6-16=-321/285, 6-17=-321/285, 10-13=-409/428, 2-14=-407/427

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 0-0-0 to 9-4-0, Zone3 9-4-0 to 13-8-0, Zone1 13-8-0 to 23-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (10.0 psf) on member(s). 3-4, 8-9, 4-16, 16-17, 8-17
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 13-14
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 223 lb uplift at joint 1 and 223 lb uplift at joint 11.
11) Attic room checked for L/360 deflection.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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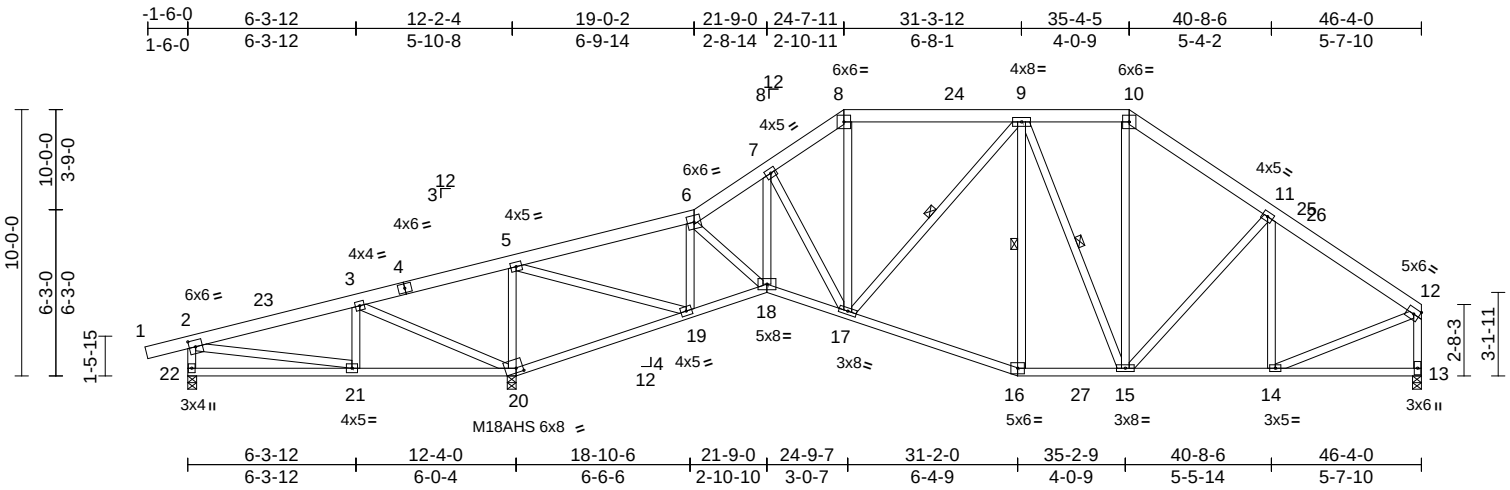
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T6	Piggyback Base	1	1	T32652363
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:43 Page: 1
ID:QpdWDmlsEQUr7tJ1xWMrdQzyirm-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:86.5

Plate Offsets (X, Y): [2:0-2-14,0-3-0], [20:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.44	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.20	16-17	>999	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.07	13	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 355 lb	FT = 20%

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

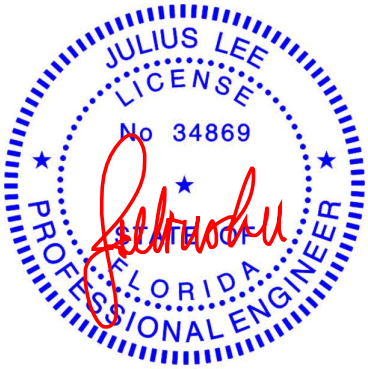
BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-5-5 oc bracing.
WEBS 1 Row at midpt 9-17, 9-16, 9-15

REACTIONS (size) 13=0-4-0, 20=0-4-0, 22=0-4-0
Max Horiz 22=452 (LC 9)
Max Uplift 13=-425 (LC 13), 20=-982 (LC 12), 22=-285 (LC 8)
Max Grav 13=1288 (LC 2), 20=2615 (LC 2), 22=181 (LC 25)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-326/533, 3-5=-617/1380, 5-6=-931/511, 6-7=-1552/843, 7-8=-1293/807, 8-9=-1071/743, 9-10=-949/760, 10-11=-1220/802, 11-12=-1269/676, 2-22=-127/375, 12-13=-1202/746
BOT CHORD 21-22=-418/219, 20-21=-461/284, 19-20=-1463/680, 18-19=-403/951, 17-18=-536/1323, 16-17=-401/1121, 15-16=-375/1029, 14-15=-489/1000, 13-14=-80/78
WEBS 3-21=-5/337, 3-20=-966/457, 5-20=-1563/808, 5-19=-1012/2304, 6-19=-1192/684, 6-18=-192/498, 8-17=-224/448, 9-17=-107/186, 9-16=-220/173, 9-15=-302/271, 10-15=-279/439, 11-15=-269/272, 11-14=-267/242, 2-21=-506/398, 12-14=-445/1049, 7-17=-478/335, 7-18=-160/379

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 3-0-15, Zone1 3-0-15 to 24-7-11, Zone2 24-7-11 to 31-3-12, Zone1 31-3-12 to 35-4-5, Zone2 35-4-5 to 41-10-15, Zone1 41-10-15 to 46-2-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) All bearings are assumed to be SP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 285 lb uplift at joint 22, 982 lb uplift at joint 20 and 425 lb uplift at joint 13.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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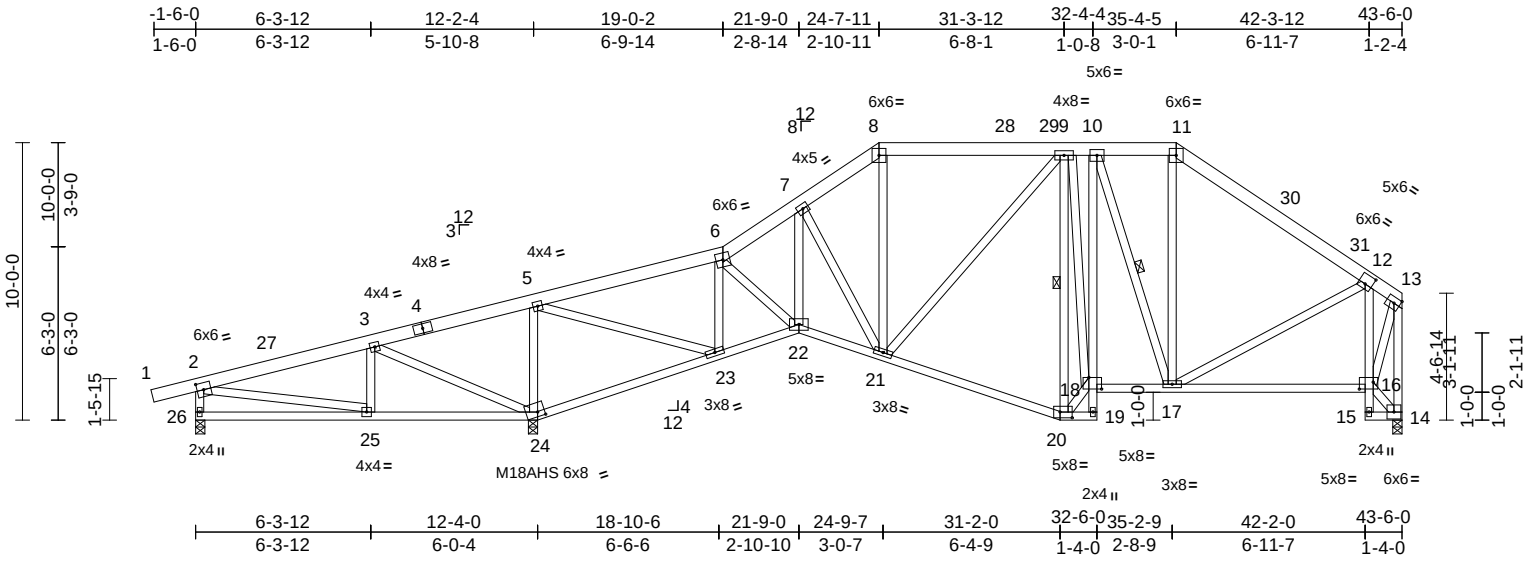
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	T8	Piggyback Base	3	1	T32652364
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680,

Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:43 Page: 1
ID:pVcft5L5ZnsIC2Sk89Hewyzyita-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:83.1

Plate Offsets (X, Y): [2:0-2-14,0-3-0], [12:0-3-0,0-4-0], [16:0-6-0,0-3-0], [18:0-5-8,0-5-0], [20:0-5-4,0-2-8], [24:0-3-0,0-2-0]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.07	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.16	20-21	>999	180	M18AHS	186/179
BCLL	0.0*	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.09	14	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 367 lb	FT = 20%

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

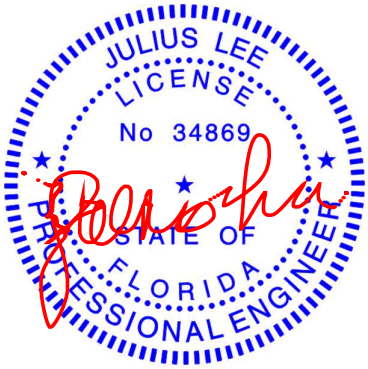
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-13 oc bracing.
WEBS 1 Row at midpt 9-20, 10-17

REACTIONS (size) 14=0-4-0, 24=0-4-0, 26=0-4-0
Max Horiz 26=491 (LC 11)
Max Uplift 14=-348 (LC 13), 24=-950 (LC 12), 26=-292 (LC 8)
Max Grav 14=1078 (LC 1), 24=2297 (LC 1), 26=202 (LC 20)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/25, 2-3=-408/416, 3-5=-727/1195, 5-6=-770/476, 6-7=-1278/756, 7-8=-1038/712, 8-9=-851/658, 9-10=-804/692, 10-11=-733/657, 11-12=-1005/628, 12-13=-359/222, 2-26=-147/393, 13-14=-1047/676
BOT CHORD 25-26=-453/341, 24-25=-352/252, 23-24=-1246/611, 22-23=-469/773, 21-22=-641/1074, 20-21=-443/833, 19-20=-44/81, 18-19=-35/0, 10-18=-264/383, 17-18=-434/806, 16-17=-392/427, 15-16=-45/47, 12-16=-896/875, 14-15=-52/13
WEBS 3-25=-20/324, 3-24=-869/452, 5-24=-1436/811, 5-23=-1020/1933, 6-23=-1060/689, 6-22=-231/403, 8-21=-172/322, 9-21=-116/206, 9-20=-746/505, 18-20=-491/915, 9-18=-102/219, 10-17=-320/267, 11-17=-88/249, 12-17=-220/431, 2-25=-492/473, 7-21=-396/361, 7-22=-177/308, 14-16=-175/255, 13-16=-892/1011

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 -1-6-11 to 2-9-9, Zone1 2-9-9 to 24-7-11, Zone2 24-7-11 to 30-9-8, Zone1 30-9-8 to 35-4-5, Zone2 35-4-5 to 41-6-2, Zone1 41-6-2 to 43-4-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
8) All bearings are assumed to be SP No.2 .
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 26, 950 lb uplift at joint 24 and 348 lb uplift at joint 14.

LOAD CASE(S) Standard



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

January 18,2024

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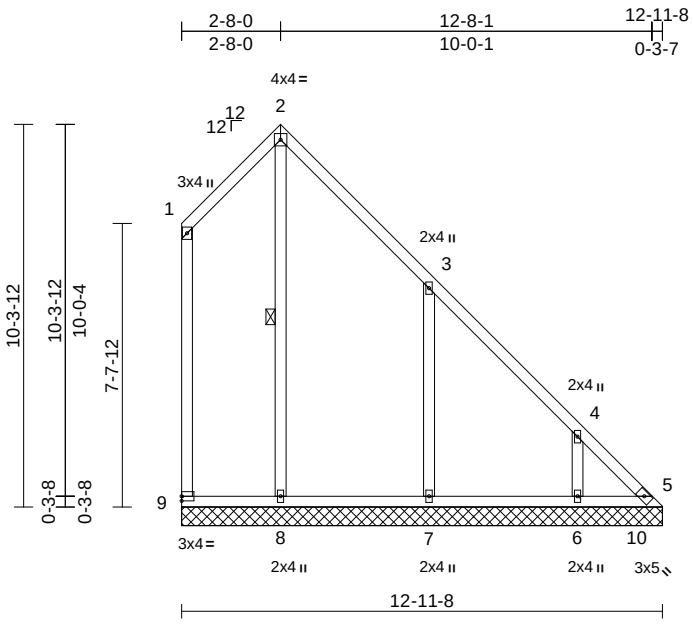
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V1	Valley	1	1	T32652365
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:44 Page: 1

ID:2uzR522lXBOxCX9VSJoHHuzxRnj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:62.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.32	Horiz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 83 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-8-15 oc bracing.
WEBS	1 Row at midpt 2-8

REACTIONS (size) 5=12-11-8, 6=12-11-8, 7=12-11-8, 8=12-11-8, 9=12-11-8
Max Horiz 9=-536 (LC 8)
Max Uplift 5=-271 (LC 11), 6=-335 (LC 13), 7=-444 (LC 13), 8=-265 (LC 10), 9=-171 (LC 9)
Max Grav 5=418 (LC 8), 6=383 (LC 20), 7=551 (LC 20), 8=502 (LC 20), 9=245 (LC 19)

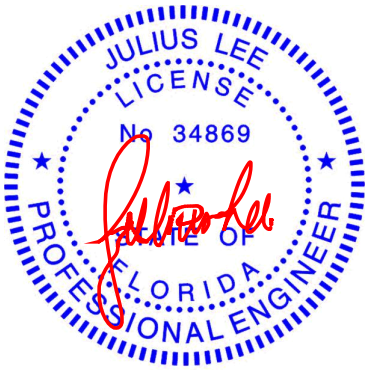
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-9=-379/387, 1-2=-411/447, 2-3=-374/388, 3-4=-509/505, 4-5=-776/731
BOT CHORD	8-9=-528/577, 7-8=-528/577, 6-7=-528/577, 5-6=-528/577
WEBS	2-8=-473/396, 3-7=-536/493, 4-6=-401/365

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 9, 271 lb uplift at joint 5, 265 lb uplift at joint 8, 444 lb uplift at joint 7 and 335 lb uplift at joint 6.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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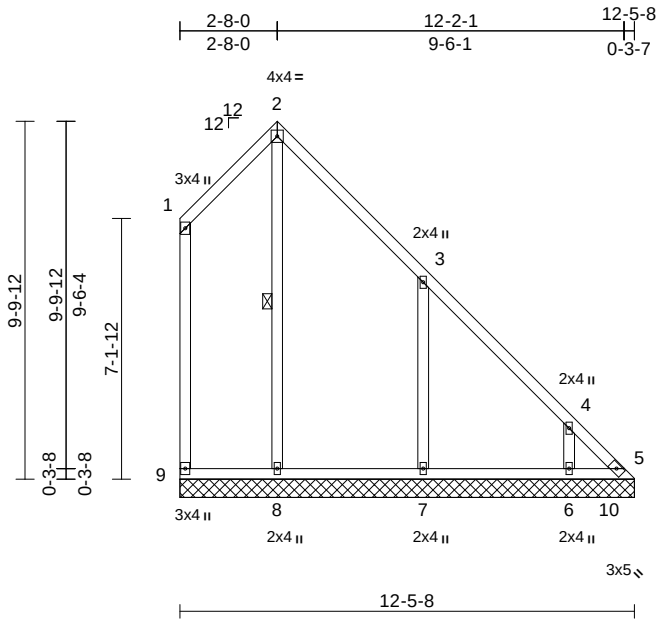
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V2	Valley	1	1	T32652366
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:44 Page: 1

ID:2uzR522lXBOxCX9VSJoHHuzxRnj-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:63.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.66	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.26	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.27	Horiz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 78 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-0-10 oc bracing.
WEBS	1 Row at midpt 2-8

REACTIONS (size) 5=12-5-8, 6=12-5-8, 7=12-5-8, 8=12-5-8, 9=12-5-8
Max Horiz 9=-507 (LC 10)
Max Uplift 5=-290 (LC 11), 6=-325 (LC 13), 7=-446 (LC 13), 8=-247 (LC 10), 9=-164 (LC 9)
Max Grav 5=414 (LC 8), 6=371 (LC 20), 7=552 (LC 20), 8=497 (LC 20), 9=238 (LC 19)

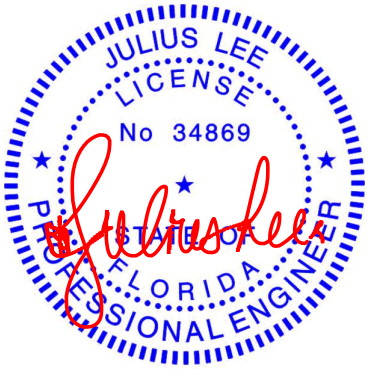
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-9=-362/371, 1-2=-390/426, 2-3=-358/372, 3-4=-506/494, 4-5=-775/717
BOT CHORD	8-9=-496/551, 7-8=-496/551, 6-7=-496/551, 5-6=-496/551
WEBS	2-8=-449/370, 3-7=-539/496, 4-6=-397/368

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 164 lb uplift at joint 9, 290 lb uplift at joint 5, 247 lb uplift at joint 8, 446 lb uplift at joint 7 and 325 lb uplift at joint 6.

LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V3	Valley	1	1	T32652367
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:45 Page: 1

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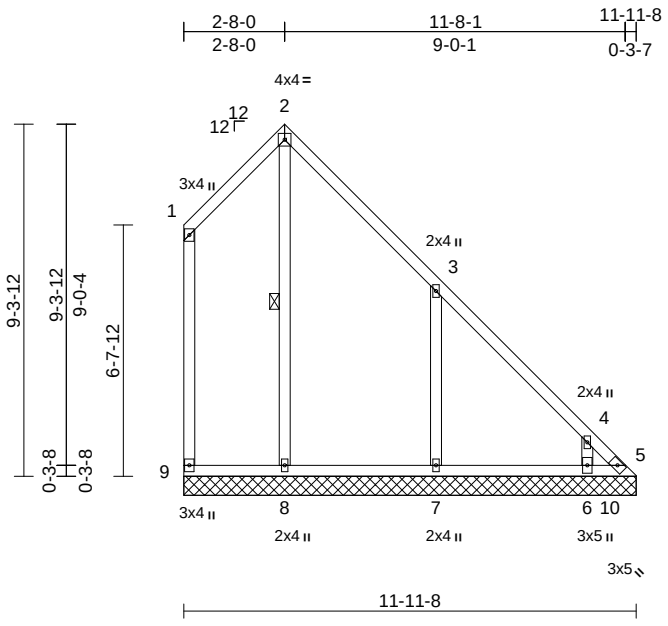


Scale = 1:60.9

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.22	Horiz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 73 lb	FT = 20%

LUMBER

TOP CHORD	2x4 SP No.2
BOT CHORD	2x4 SP No.2
WEBS	2x4 SP No.2
OTHERS	2x4 SP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 8-4-10 oc bracing.
WEBS	1 Row at midpt 2-8

REACTIONS (size) 5=11-11-8, 6=11-11-8, 7=11-11-8, 8=11-11-8, 9=11-11-8
Max Horiz 9=-477 (LC 10)
Max Uplift 5=-328 (LC 11), 6=-339 (LC 13), 7=-445 (LC 13), 8=-228 (LC 10), 9=-158 (LC 9)
Max Grav 5=420 (LC 8), 6=385 (LC 20), 7=550 (LC 20), 8=492 (LC 20), 9=232 (LC 19)

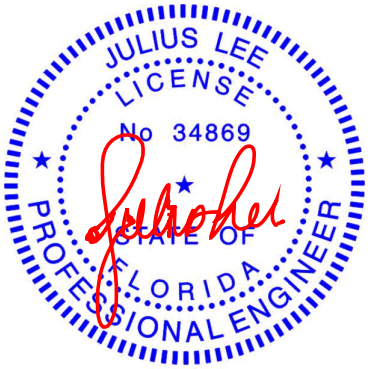
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-9=-344/354, 1-2=-370/405, 2-3=-341/355, 3-4=-503/481, 4-5=-794/723
BOT CHORD	8-9=-463/523, 7-8=-463/523, 6-7=-463/523, 5-6=-463/523
WEBS	2-8=-426/344, 3-7=-539/509, 4-6=-425/405

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 9, 328 lb uplift at joint 5, 228 lb uplift at joint 8, 445 lb uplift at joint 7 and 339 lb uplift at joint 6.

LOAD CASE(S) Standard



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Date:

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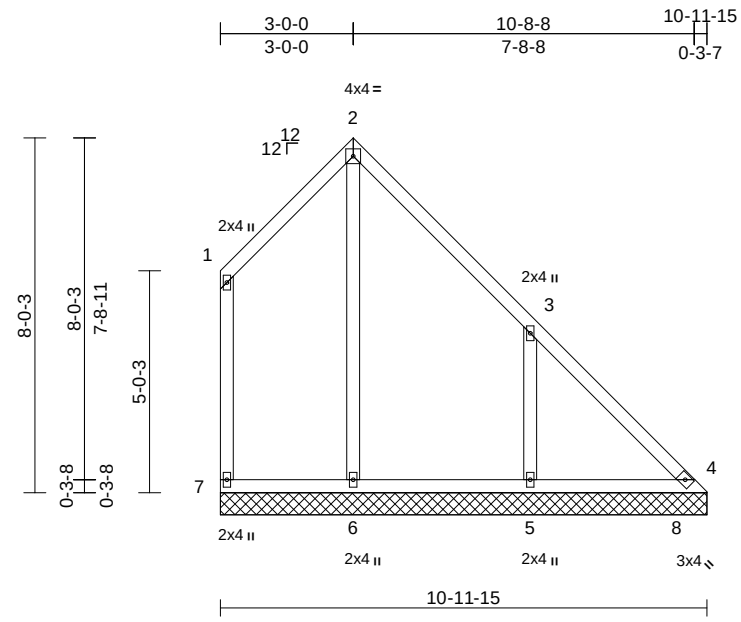
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V4	Valley	1	1	T32652368
					Job Reference (optional)



Scale = 1:52.1

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.33	Horiz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 62 lb	FT = 20%

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

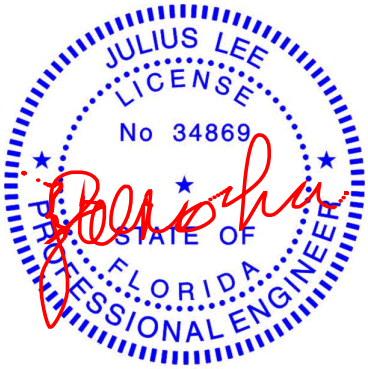
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-10-6 oc bracing.

REACTIONS (size) 4=10-11-15, 5=10-11-15, 6=10-11-15, 7=10-11-15
Max Horiz 7=-394 (LC 10)
Max Uplift 4=-170 (LC 9), 5=-464 (LC 13), 6=-174 (LC 8), 7=-145 (LC 9)
Max Grav 4=304 (LC 10), 5=566 (LC 20), 6=486 (LC 20), 7=240 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-7=-312/322, 1-2=-320/354, 2-3=-311/328, 3-4=-445/413
BOT CHORD 6-7=-346/406, 5-6=-346/406, 4-5=-346/406
WEBS 2-6=-321/267, 3-5=-549/542

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 145 lb uplift at joint 7, 170 lb uplift at joint 4, 174 lb uplift at joint 6 and 464 lb uplift at joint 5.

LOAD CASE(S) Standard



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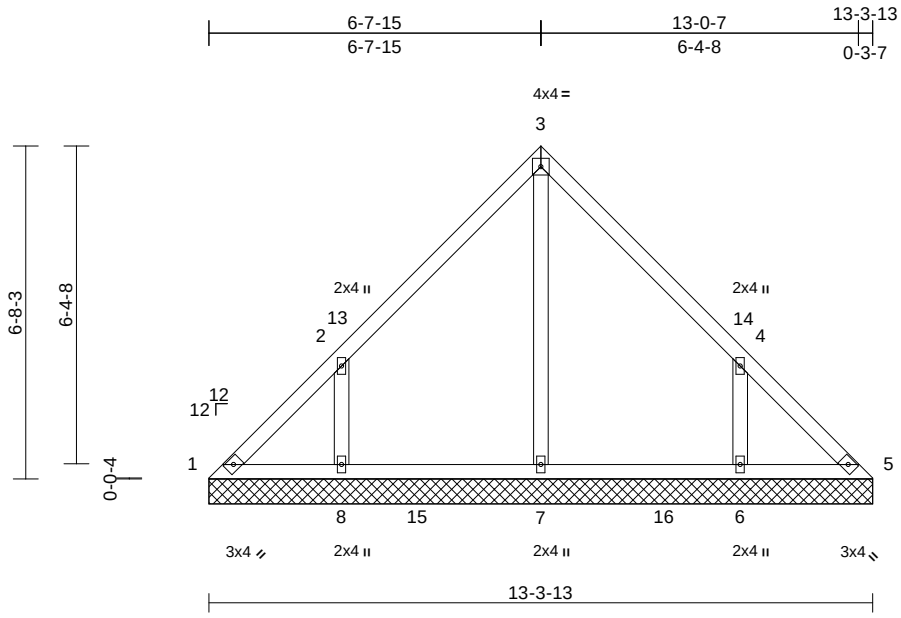
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V5	Valley	1	1	T32652369
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:45 Page: 1

ID:_H5BVk3?3oefRrJuZjqlNJzxRnh-RfC?PsB70Hq3NSgPqnL8w3uITXbGKWrCDoi7J4zJC?f



Scale = 1:46.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.32	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.17	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.12	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 62 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING

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

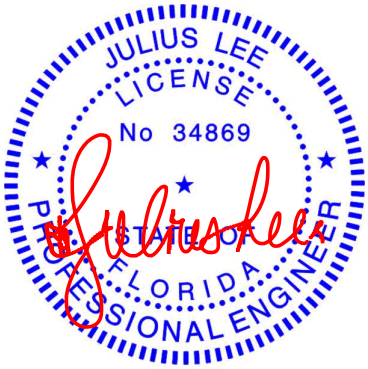
REACTIONS (size) 1=13-3-13, 5=13-3-13, 6=13-3-13, 7=13-3-13, 8=13-3-13
Max Horiz 1=250 (LC 9)
Max Uplift 1=-90 (LC 8), 5=-31 (LC 9), 6=-377 (LC 13), 8=-384 (LC 12)
Max Grav 1=169 (LC 20), 5=125 (LC 19), 6=464 (LC 20), 7=382 (LC 19), 8=472 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-243/217, 2-3=-192/238, 3-4=-192/240, 4-5=-202/143
BOT CHORD 1-8=-116/186, 7-8=-116/186, 6-7=-116/186, 5-6=-116/186
WEBS 3-7=-180/12, 2-8=-457/501, 4-6=-457/501

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-4 to 3-0-4, Zone1 3-0-4 to 6-8-3, Zone2 6-8-3 to 10-8-3, Zone1 10-8-3 to 13-4-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 90 lb uplift at joint 1, 31 lb uplift at joint 5, 384 lb uplift at joint 8 and 377 lb uplift at joint 6.

LOAD CASE(S) Standard



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Date:

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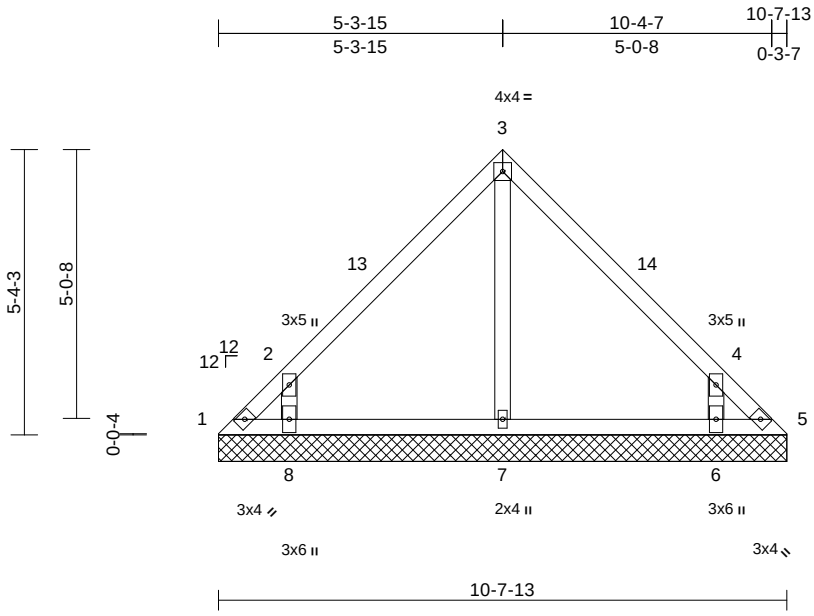
Job	Truss	Truss Type	Qty	Ply	Nowery	
1245-A	V6	Valley	1	1	Job Reference (optional)	T32652370



Scale = 1:43.2

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.35	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 46 lb	FT = 20%

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

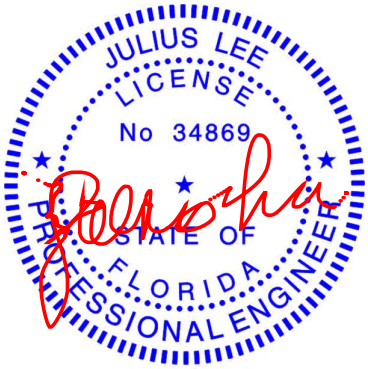
BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=10-7-13, 5=10-7-13, 6=10-7-13, 7=10-7-13, 8=10-7-13
Max Horiz 1=199 (LC 9)
Max Uplift 1=-132 (LC 10), 5=-80 (LC 11), 6=-353 (LC 13), 8=-363 (LC 12)
Max Grav 1=173 (LC 12), 5=138 (LC 13), 6=382 (LC 20), 7=218 (LC 19), 8=393 (LC 19)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-315/223, 2-3=-196/235, 3-4=-196/240, 4-5=-320/192
BOT CHORD 1-8=-111/198, 7-8=-67/137, 6-7=-67/137, 5-6=-111/183
WEBS 3-7=-131/15, 2-8=-548/717, 4-6=-548/717

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-4 to 3-0-4, Zone1 3-0-4 to 5-4-3, Zone2 5-4-3 to 9-4-3, Zone1 9-4-3 to 10-8-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 132 lb uplift at joint 1, 80 lb uplift at joint 5, 363 lb uplift at joint 8 and 353 lb uplift at joint 6.

LOAD CASE(S) Standard



Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

January 18,2024

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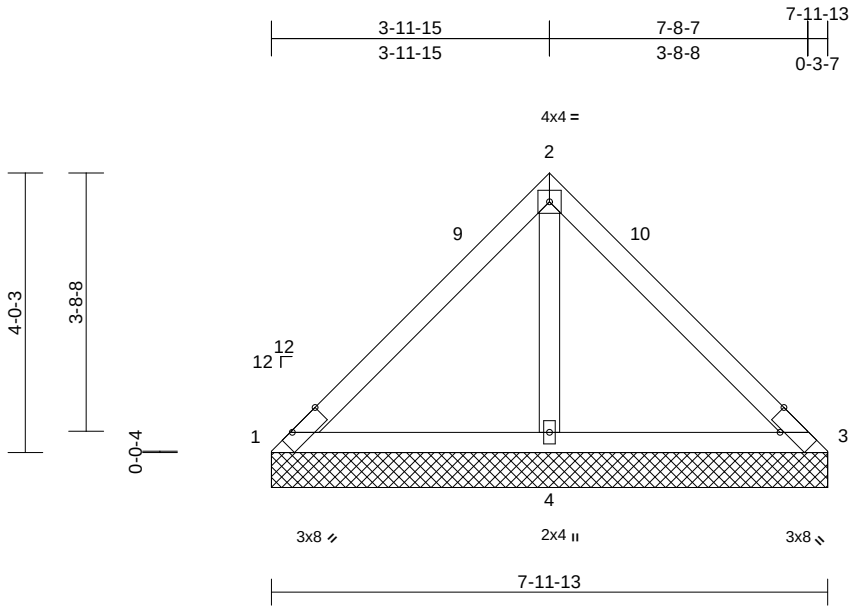
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V7	Valley	1	1	T32652371
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:46 Page: 1

ID:W5XpIO3NlVWophkh00JWq5zxRni-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:33.1

Plate Offsets (X, Y): [1:0-5-13,Edge], [3:0-2-9,Edge]

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.41	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.13	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 32 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 7-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 1=7-11-13, 3=7-11-13, 4=7-11-13
Max Horiz 1=147 (LC 9)
Max Uplift 1=-17 (LC 26), 3=-17 (LC 25), 4=-343 (LC 12)
Max Grav 1=63 (LC 25), 3=65 (LC 12), 4=576 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-316/257, 2-3=-352/257
BOT CHORD 1-4=-282/505, 3-4=-282/505
WEBS 2-4=-538/717

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 0-0-4 to 3-0-4, Zone1 3-0-4 to 4-0-3, Zone3 4-0-3 to 8-0-1 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 17 lb uplift at joint 3 and 343 lb uplift at joint 4.

LOAD CASE(S) Standard

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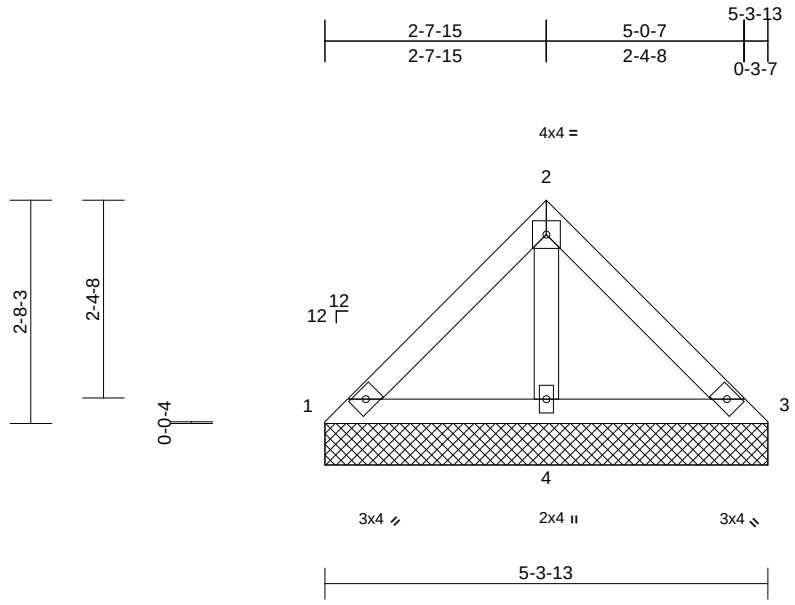
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V9	Valley	1	1	T32652372
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:46 Page: 1

ID:W5XpIO3NlVWophkh00JWq5zxRni-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:27.7

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.25	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.07	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 21 lb	FT = 20%

LUMBER

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-3-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (size) 1=5-3-13, 3=5-3-13, 4=5-3-13
Max Horiz 1=-96 (LC 8)
Max Uplift 1=-3 (LC 13), 3=-8 (LC 13), 4=-169 (LC 12)
Max Grav 1=64 (LC 25), 3=64 (LC 26), 4=325 (LC 1)

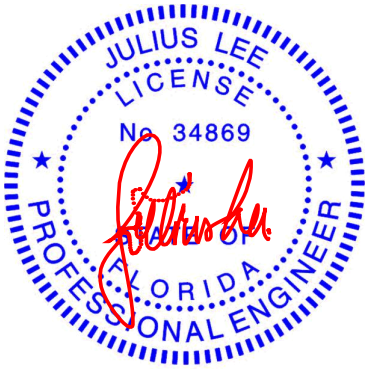
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-122/119, 2-3=-122/104
BOT CHORD 1-4=-156/285, 3-4=-156/285
WEBS 2-4=-272/370

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 1, 8 lb uplift at joint 3 and 169 lb uplift at joint 4.

LOAD CASE(S) Standard



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Date:

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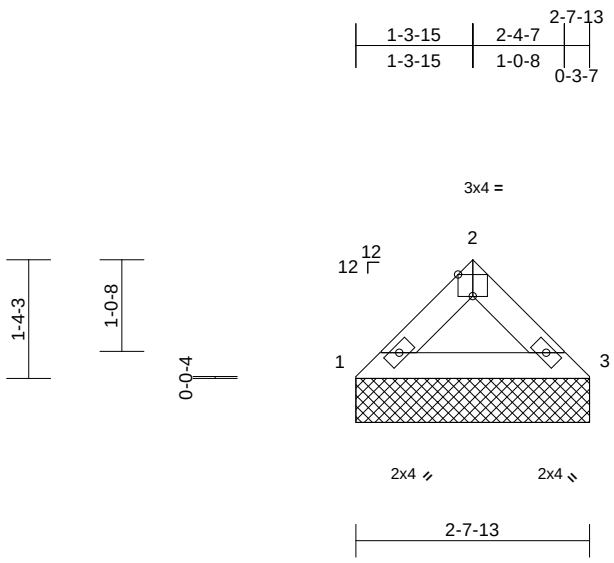
Job	Truss	Truss Type	Qty	Ply	Nowery
1245-A	V11	Valley	1	1	T32652373
					Job Reference (optional)

19 Lumber, Inc., Old Town, FL - 32680, Run: 8.73 S Jan 4 2024 Print: 8.730 S Jan 4 2024 MiTek Industries, Inc. Wed Jan 17 08:13:46 Page: 1
ID:W5XpIO3NlVWophkh00JWq5zxRni-RfC?PsB70Hq3NSgPqnL8w3ulTXbGKWrCDoi7J4zJC?f



Scale = 1:26.2

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

Loading	(psf)	Spacing	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL (roof)	20.0	Plate Grip DOL	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0*	Rep Stress Incr	YES	WB	0.00	Horiz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code	FBC2023/TPI2014	Matrix-MP							Weight: 8 lb	FT = 20%

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

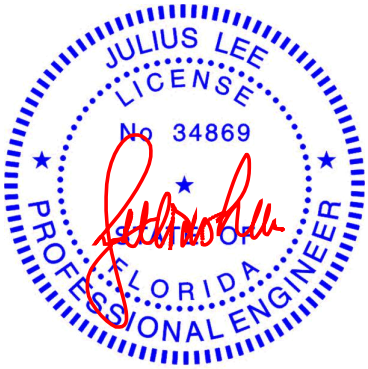
BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (size) 1=2-7-13, 3=2-7-13
Max Horiz 1=-44 (LC 8)
Max Uplift 1=-39 (LC 12), 3=-39 (LC 13)
Max Grav 1=106 (LC 1), 3=106 (LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-135/156, 2-3=-135/156
BOT CHORD 1-3=-82/104

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=140mph (3-second gust) Vasd=108mph; TCDL=5.0psf; BCDL=5.0psf; h=25ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) exterior (2) zone and C-C Zone3 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-06-00 tall by 2-00-00 wide will fit between the bottom chord and any other members.
9) All bearings are assumed to be SP No.2 .
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 39 lb uplift at joint 1 and 39 lb uplift at joint 3.

LOAD CASE(S) Standard



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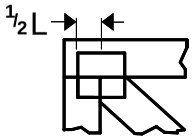
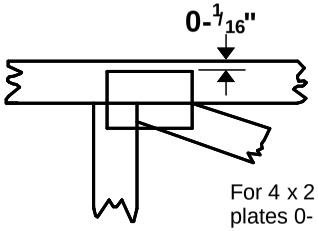
Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.



For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

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

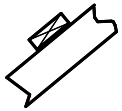
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

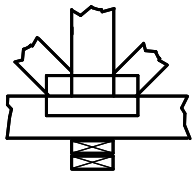
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

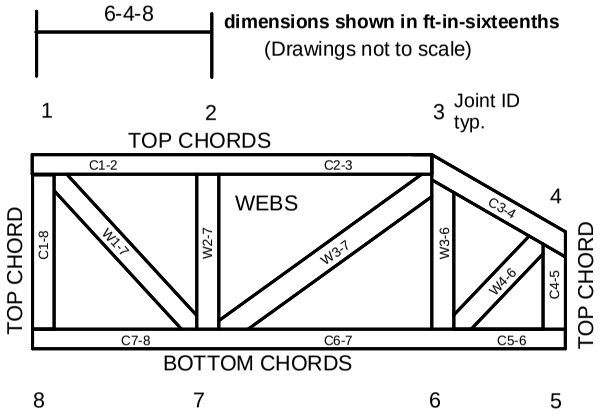


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-22: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

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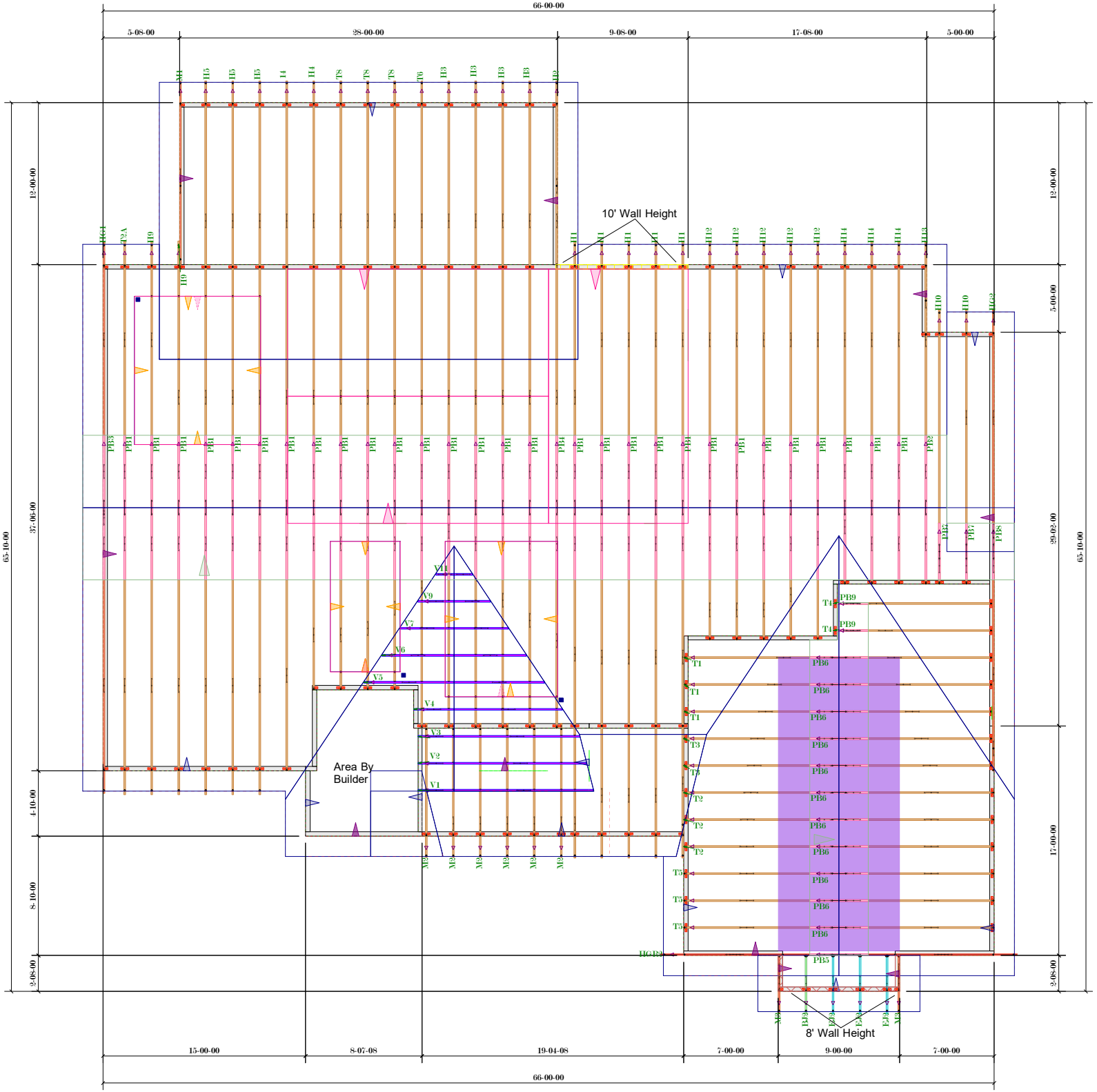
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



All Walls 9' Unless Noted

HANGER LIST

JOB NAME: *Nowery*
CUSTOMER NAME: *JBC Builders*

ADDRESS:

DATE: 1/08/2024

JOB# 1245

PITCH: 8/12
OVERHANG: 1-06-00
ROOF SPACING: 24"

WALL HEIGHT: 9'

* The General Contractor is Reponsible For All Connections Other Than Truss to Truss, unless specified otherwise.

Roof loading
TCLL:20.0 lb/ft²
TCDL:10.0 lb/ft²
BCDL:10.0 lb/ft²
Floor Loading
TCLL:40.0 lb/ft²
TCDL:10.0 lb/ft²
BCDL:5.0 lb/ft²

***THIS DRAWING MUST BE APPROVED AND RETURNED BEFORE FABRICATION WILL BEGIN.**

For Your Protection Check All Dimensions and Conditions Prior to Approval Of Plan

*SIGNATURE BELOW INDICATES ALL NOTES AND DEMENSIONS HAVE BEEN APROVED

Signature:_____

Date:_____

NOTES:

* ALL DEMENSIONS ARE FEET-INCHES- SIXTEENTHS

* DO NOT CUT OR ALTER TRUSSES IN ANY WAY

* ONLY TRUSS TO TRUSS CONNECTIONS SUPPLIED WITH TRUSS PACKAGES

* NO BACKCHARGES WILL BE ACCEPTED

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