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

RE: 6243327 - 2705-A-Frame

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

Site Information:

Customer Info: Adams Homes-Gainesville Project Name: The Preserve at Laurel Lake 093 Model: 2705-A-Frame
Lot/Block: 093 Subdivision: The Preserve at Laurel Lake
Address: ., .
City: Lake City State: Fl

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

Name: License #:
Address:
City: State:

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

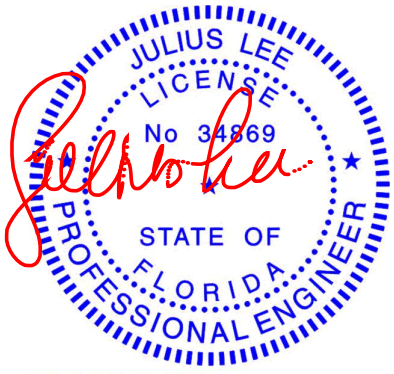
Design Code: FBC2023/TPI2014 Design Program: MiTek 20/20 8.7
Wind Code: ASCE 7-22 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: 55.0 psf

This package includes 30 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	T35865403	2A1	12/19/24	23	T35865425	FL10	12/19/24
2	T35865404	2A1X	12/19/24	24	T35865426	FL11	12/19/24
3	T35865405	2A2	12/19/24	25	T35865427	FL12	12/19/24
4	T35865406	2A2X	12/19/24	26	T35865428	FL13	12/19/24
5	T35865407	2B1	12/19/24	27	T35865429	M1	12/19/24
6	T35865408	2B1X	12/19/24	28	T35865430	M1X	12/19/24
7	T35865409	2B2	12/19/24	29	T35865431	M2	12/19/24
8	T35865410	2D1X	12/19/24	30	T35865432	M3	12/19/24
9	T35865411	FG1	12/19/24				
10	T35865412	FG2	12/19/24				
11	T35865413	FG3	12/19/24				
12	T35865414	FG4	12/19/24				
13	T35865415	FG5	12/19/24				
14	T35865416	FL1	12/19/24				
15	T35865417	FL2	12/19/24				
16	T35865418	FL3	12/19/24				
17	T35865419	FL4	12/19/24				
18	T35865420	FL5	12/19/24				
19	T35865421	FL6	12/19/24				
20	T35865422	FL7	12/19/24				
21	T35865423	FL8	12/19/24				
22	T35865424	FL9	12/19/24				

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

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:

December 19,2024

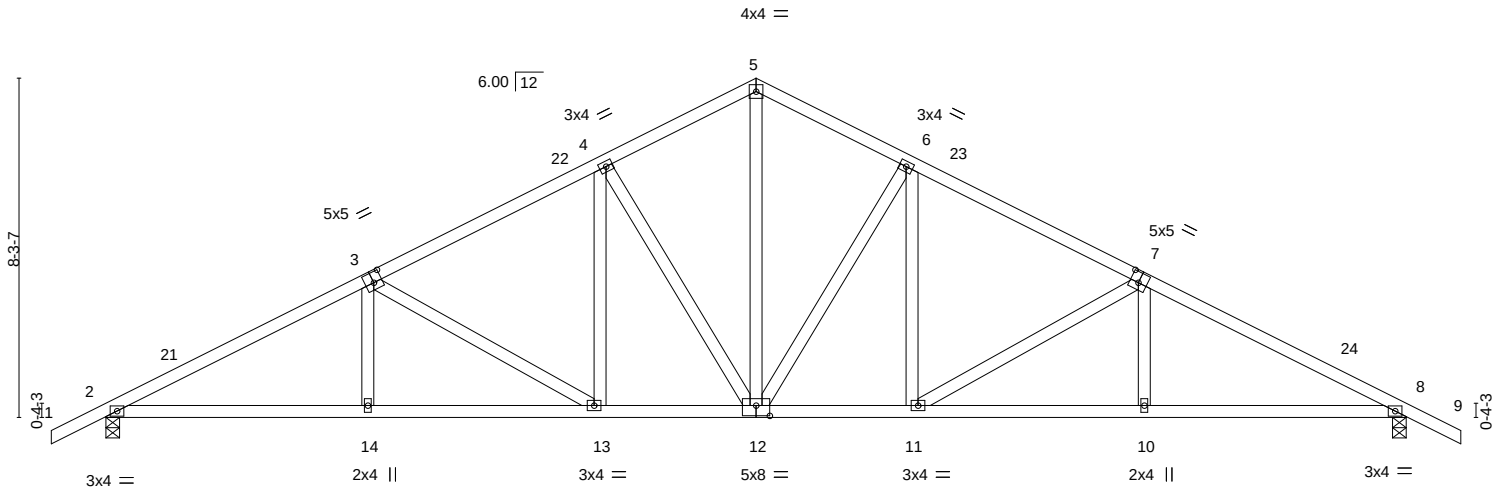
IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which 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.

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame T35865403
6243327	2A1	Common	8	1	Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:18 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-L5CVquosGIG_kF3r3?xvAfdwfOjzXGTDIQ7N2ay7hjR

-1-4-0 | 6-4-12 | 12-0-13 | 15-10-8 | 19-8-3 | 25-4-4 | 31-9-0 | 33-1-0
1-4-0 | 6-4-12 | 5-8-1 | 3-9-11 | 3-9-11 | 5-8-1 | 6-4-12 | 1-4-0

Scale = 1:56.3



6-4-12 | 12-0-13 | 15-10-8 | 19-8-3 | 25-4-4 | 31-9-0
6-4-12 | 5-8-1 | 3-9-11 | 3-9-11 | 5-8-1 | 6-4-12

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.11	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(CT)	-0.23	13-14	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.09	13	>999	240	Weight: 181 lb	FT = 20%

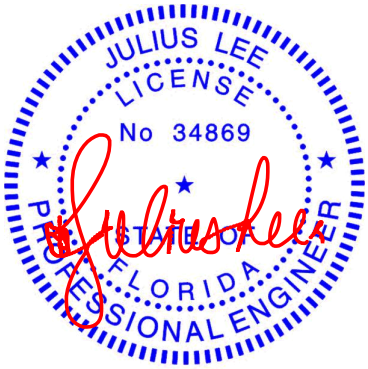
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-4-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 8=0-4-0
Max Horz 2=-151(LC 10)
Max Uplift 2=-239(LC 12), 8=-239(LC 12)
Max Grav 2=1350(LC 1), 8=1350(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2377/352, 3-4=-1846/340, 4-5=-1474/343, 5-6=-1474/343, 6-7=-1846/340, 7-8=-2377/352
BOT CHORD 2-14=-217/2063, 13-14=-218/2059, 12-13=-115/1578, 11-12=-131/1578, 10-11=-233/2059, 8-10=-231/2063
WEBS 5-12=-214/1074, 6-12=-595/163, 6-11=-7/401, 7-11=-561/136, 7-10=0/259, 4-12=-595/163, 4-13=-7/401, 3-13=-561/136, 3-14=0/259

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-10-2, Zone1 1-10-2 to 15-10-8, Zone2 15-10-8 to 20-4-6, Zone1 20-4-6 to 33-1-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=239, 8=239.



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

December 19,2024

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2A1X	Common Supported Gable	1	1	T35865404
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:19 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-pHlt1EpU1bOrLPe2diS8isA9roCtGpiNX4swa1y7hjQ

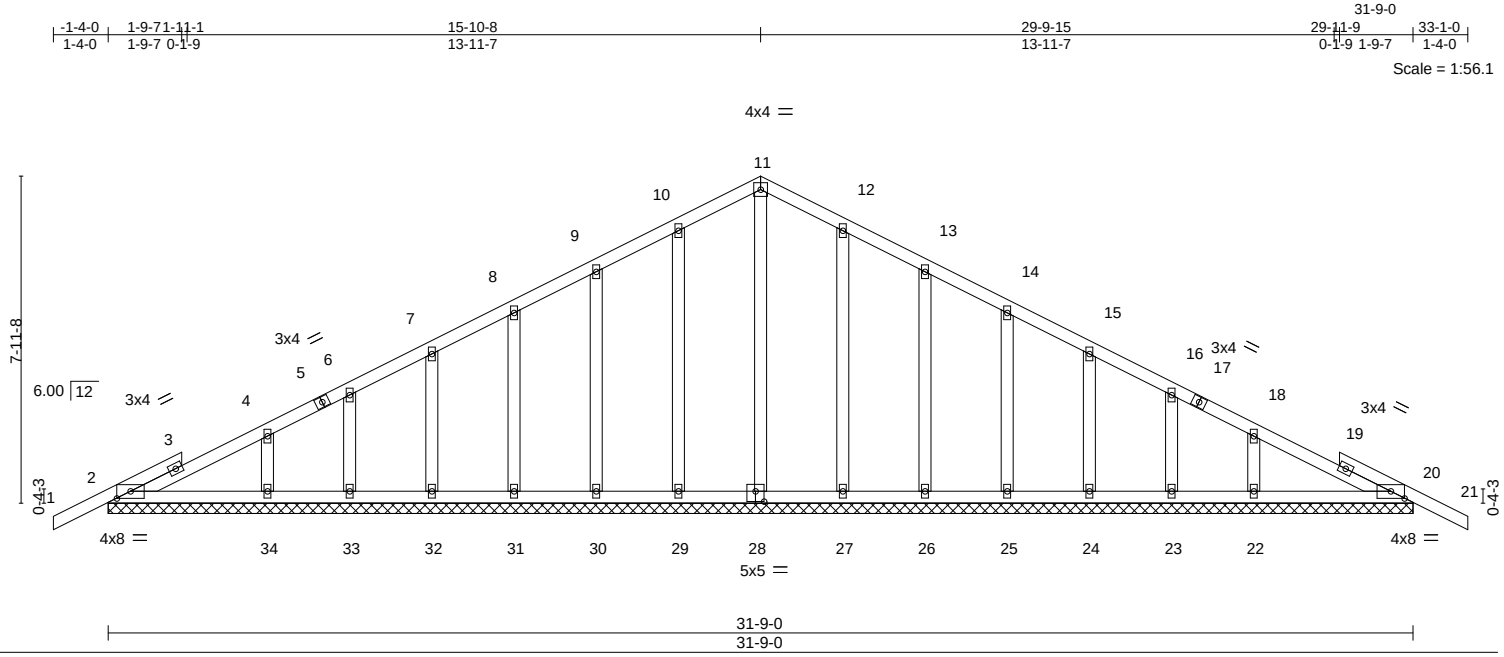


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [20:0-4-0,0-2-1], [28:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	20	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	21	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(CT)	0.01	20	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 190 lb	FT = 20%

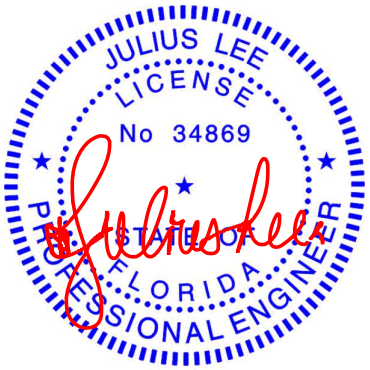
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 31-9-0.
(lb) - Max Horz 2=145(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 29, 30, 31, 32, 33, 34, 27, 26, 25, 24, 23, 22, 20
Max Grav All reactions 250 lb or less at joint(s) 2, 28, 29, 30, 31, 32, 33, 27, 26, 25, 24, 23, 20 except 34=277(LC 23), 22=278(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 10-11=-81/255, 11-12=-81/253

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=32ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 29, 30, 31, 32, 33, 34, 27, 26, 25, 24, 23, 22, 20.
11) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 20.



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

December 19,2024

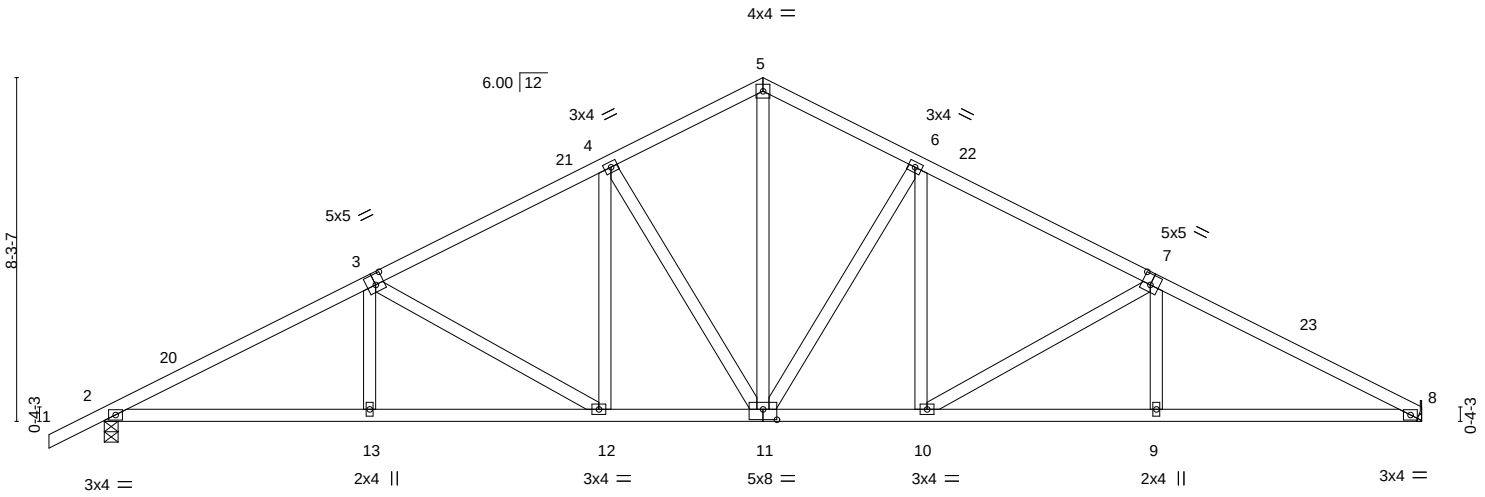
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2A2	Common	11	1	T35865405
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:20 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-HUJFFaq6ovWizZDEBQzNF4jFhCPl?AxWmkcU7Ty7hjP

-1-4-0	6-4-12	12-0-13	15-10-8	19-8-3	25-4-4	31-9-0
1-4-0	6-4-12	5-8-1	3-9-11	3-9-11	5-8-1	6-4-12

Scale = 1:55.5



6-4-12	12-0-13	15-10-8	19-8-3	25-4-4	31-9-0
6-4-12	5-8-1	3-9-11	3-9-11	5-8-1	6-4-12

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.11	10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.70	Vert(CT)	-0.23	12-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(CT)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.09	10-11	>999	240	Weight: 179 lb	FT = 20%

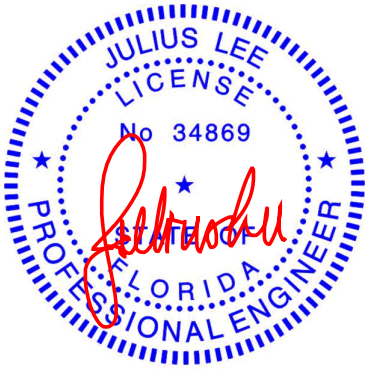
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-3-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 8=Mechanical
Max Horz 2=149(LC 11)
Max Uplift 2=-241(LC 12), 8=-186(LC 12)
Max Grav 2=1352(LC 1), 8=1268(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2381/354, 3-4=-1850/341, 4-5=-1478/344, 5-6=-1477/352, 6-7=-1852/356, 7-8=-2394/395
BOT CHORD 2-13=-254/2066, 12-13=-256/2062, 11-12=-155/1582, 10-11=-149/1583, 9-10=-272/2076, 8-9=-271/2080
WEBS 5-11=-216/1076, 6-11=-597/164, 6-10=-13/403, 7-10=-576/156, 7-9=0/262, 4-11=-595/162, 4-12=-7/401, 3-12=-561/136, 3-13=0/259

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-10-2, Zone1 1-10-2 to 15-10-8, Zone2 15-10-8 to 20-4-6, Zone1 20-4-6 to 31-9-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=241, 8=186.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 19,2024

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

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2A2X	Common Supported Gable	1	1	T35865406
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:20 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-HUJFFaq6ovWizZDEBQzNF4jK3CY2?GCWmkcU7Ty7hjP

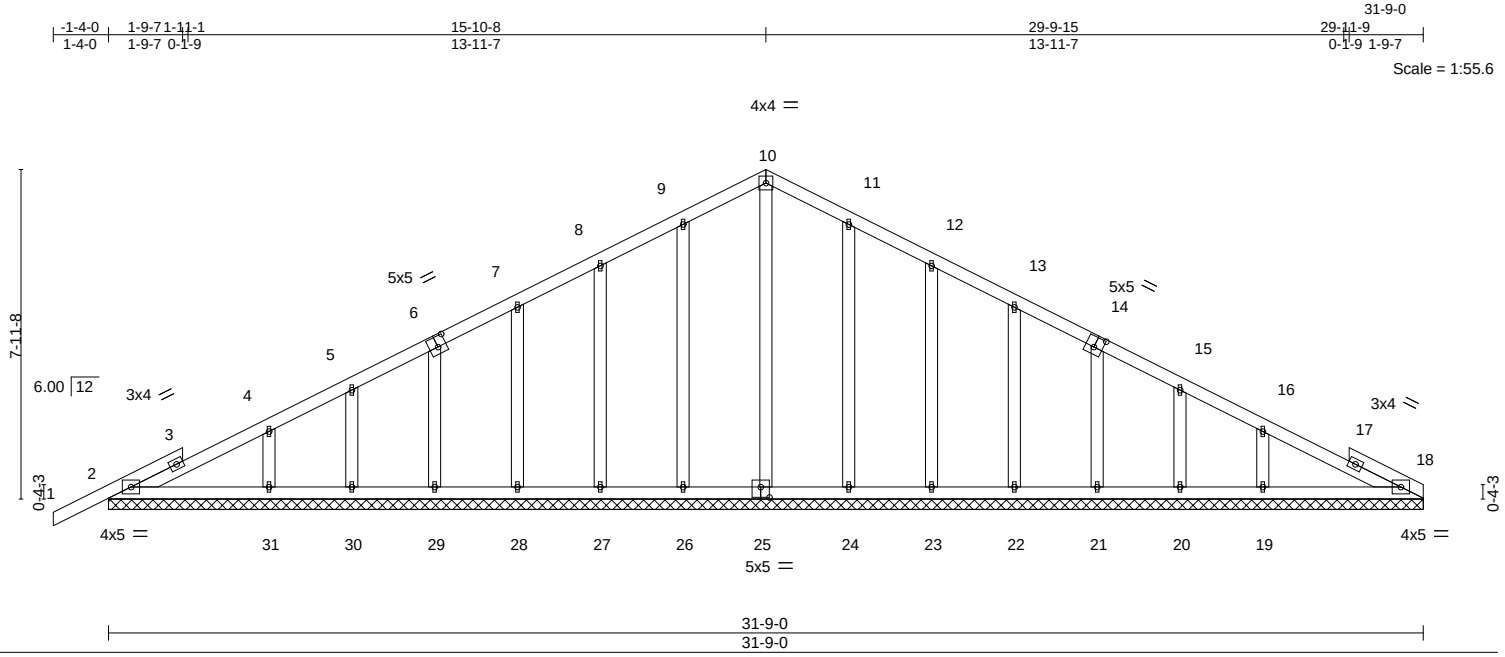


Plate Offsets (X,Y)-- [6:0-2-8,0-3-0], [14:0-2-8,0-3-0], [25:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(CT)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 188 lb	FT = 20%

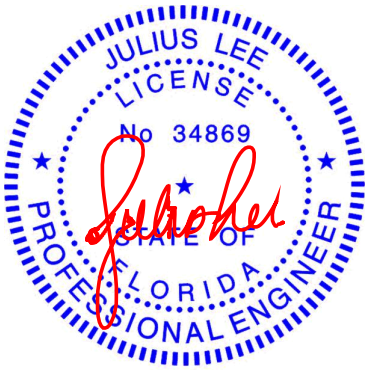
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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

REACTIONS. All bearings 31-9-0.
(lb) - Max Horz 2=144(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19
Max Grav All reactions 250 lb or less at joint(s) 18, 2, 25, 26, 27, 28, 29, 30, 24, 23, 22, 21, 20 except 31=277(LC 23), 19=302(LC 24)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=32ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 1x3 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 26, 27, 28, 29, 30, 31, 24, 23, 22, 21, 20, 19.



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

December 19,2024

MiTek®
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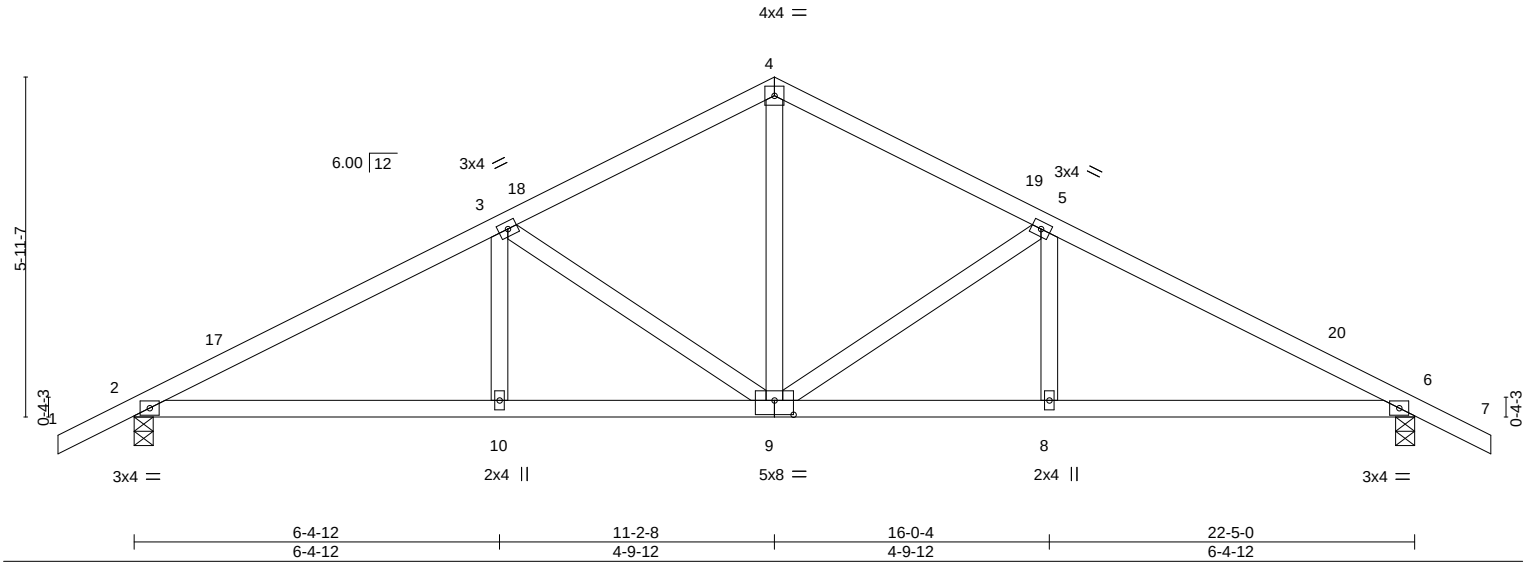
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2B1	Common	4	1	T35865407
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:21 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySlOt-lgteSwrlZDeZbinQk7UcoHFRTcnlkhgf_OL1fvy7hjO

-1-4-0 | 6-4-12 | 11-2-8 | 16-0-4 | 22-5-0 | 23-9-0
1-4-0 | 6-4-12 | 4-9-12 | 4-9-12 | 6-4-12 | 1-4-0

Scale = 1:40.3



6-4-12 | 11-2-8 | 16-0-4 | 22-5-0
6-4-12 | 4-9-12 | 4-9-12 | 6-4-12

Plate Offsets (X,Y)-- [9:0-4-0,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.39	Vert(LL)	-0.06	10-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.13	10-13	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.05	10-13	>999	240	Weight: 108 lb	FT = 20%

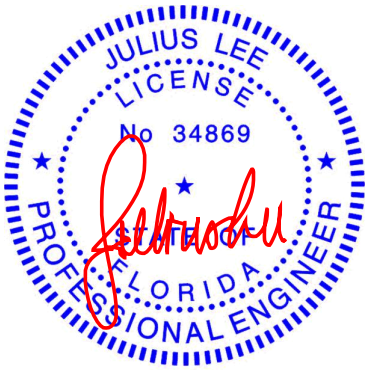
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 2=0-4-0, 6=0-4-0
Max Horz 2=-107(LC 10)
Max Uplift 2=-184(LC 12), 6=-184(LC 12)
Max Grav 2=977(LC 1), 6=977(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1556/271, 3-4=-1075/252, 4-5=-1075/252, 5-6=-1556/271
BOT CHORD 2-10=-146/1330, 9-10=-146/1330, 8-9=-164/1330, 6-8=-164/1330
WEBS 4-9=-95/659, 5-9=-534/154, 3-9=-534/154

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-2-8, Zone2 11-2-8 to 15-5-7, Zone1 15-5-7 to 23-9-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=184, 6=184.



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

December 19,2024

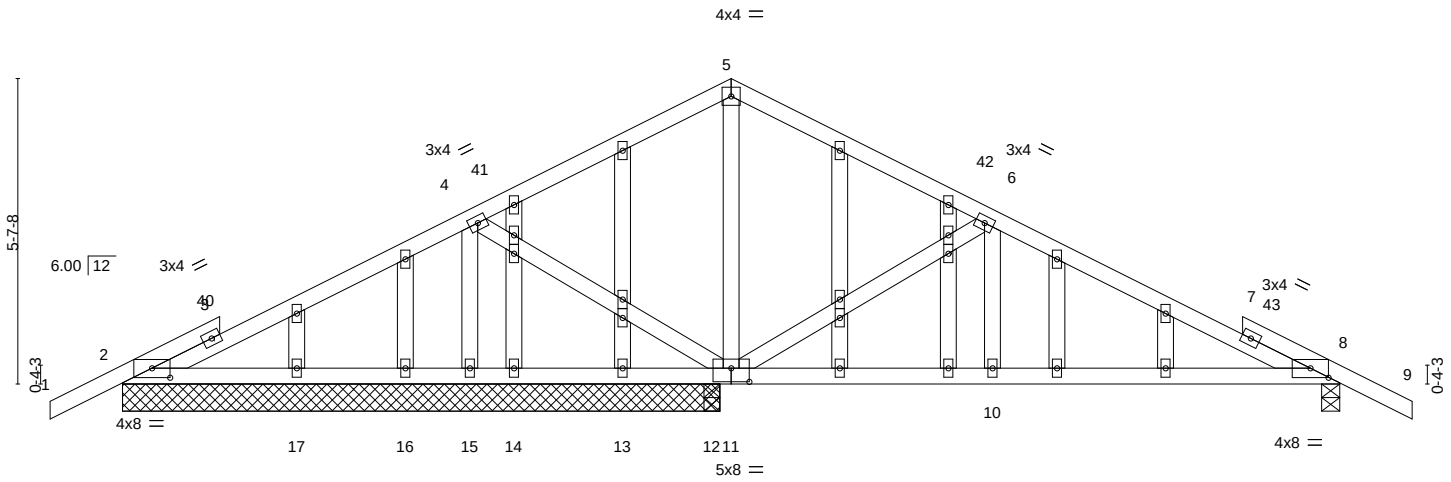
MiTek®
16023 Swingley Ridge Rd.
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2B1X	GABLE	1	1	T35865408
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:22 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-DsR0fGrNKWnQDsMdIr0rKVocg?BRT8?pD25bBMy7hjN

-1-4-0 | 1-9-7 | 1-11-1 | 6-4-12 | 11-2-8 | 16-0-4 | 20-5-15 | 20-7-9 | 22-5-0 | 23-9-0
1-4-0 | 1-9-7 | 0-1-9 | 4-5-11 | 4-9-12 | 4-9-12 | 4-5-11 | 0-1-9 | 1-9-7 | 1-4-0

Scale = 1:42.4



1-9-7 | 1-11-1 | 6-4-12 | 10-8-8 | 11-2-8 | 16-0-4 | 20-5-15 | 20-7-9 | 22-5-0
1-9-7 | 0-1-9 | 4-5-11 | 4-3-12 | 0-6-0 | 4-9-12 | 4-5-11 | 0-1-9 | 1-9-7

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.43	Vert(LL)	-0.04	10-39	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.30	Vert(CT)	-0.09	10-39	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.30	Horz(CT)	-0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.03	10-39	>999	240	Weight: 140 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-

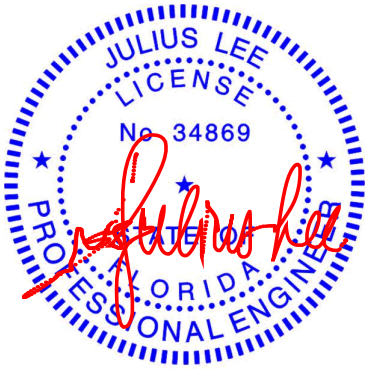
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 10-11,8-10.

REACTIONS. All bearings 11-0-0 except (jt=length) 8=0-4-0, 12=0-3-8.
(lb) - Max Horz 2=-102(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 16, 17 except 8=-102(LC 12), 11=-110(LC 12), 15=-109(LC 12), 12=-133(LC 3)
Max Grav All reactions 250 lb or less at joint(s) 2, 13, 14, 16, 17, 2 except 8=378(LC 24), 11=1053(LC 1), 15=328(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-45/285, 4-5=-11/431, 5-6=-24/428
WEBS 5-11=-575/126, 6-11=-558/156, 4-15=-285/121

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 11-2-8, Zone2 11-2-8 to 15-5-7, Zone1 15-5-7 to 23-9-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16, 17, 2 except (jt=lb) 8=102, 11=110, 15=109, 12=133.



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

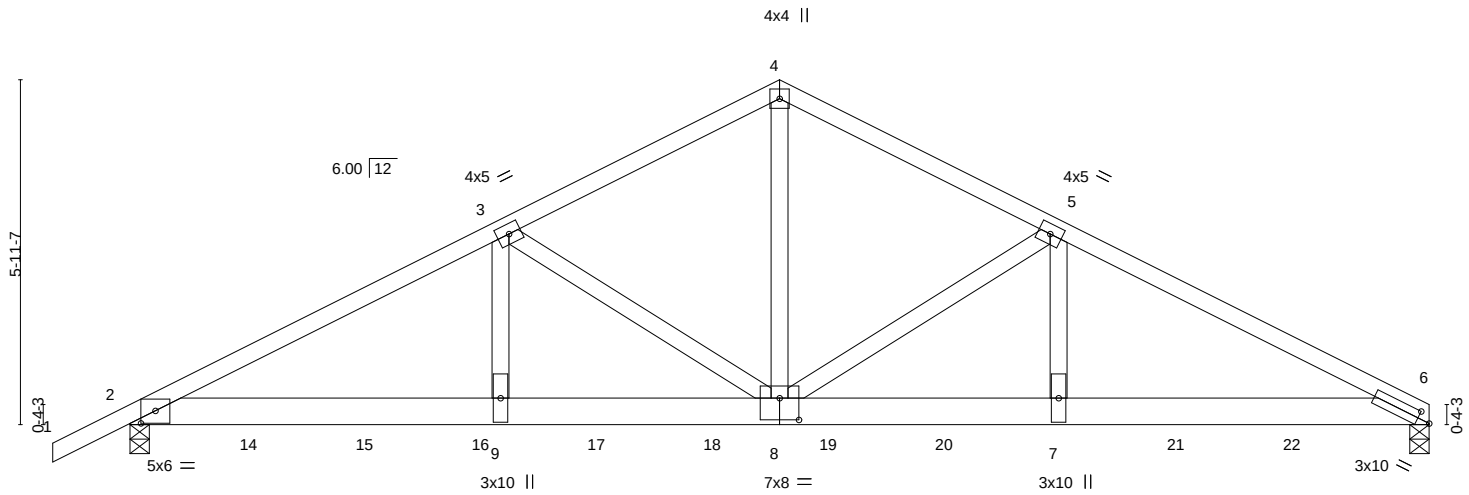
December 19,2024

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2B2	COMMON GIRDER	1	3	T35865409
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:23 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-h3?Otbs?4qvGq0xpsYX4tiLe2PQGCWdySiq8joy7hjM

-1-4-0 6-4-12 11-2-8 16-0-5 22-5-0
1-4-0 6-4-12 4-9-12 4-9-13 6-4-11

Scale = 1:39.8



6-4-12 11-2-8 16-0-5 22-5-0
6-4-12 4-9-12 4-9-13 6-4-11

Plate Offsets (X,Y)-- [2:0-3-0,0-2-9], [6:0-2-9,0-1-8], [8:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.96	Vert(LL)	-0.14	7-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.71	Vert(CT)	-0.29	7-11	>940	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.60	Horz(CT)	0.08	6	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.12	7-11	>999	240	Weight: 373 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-6: 2x4 SP M 31 or 2x4 SP SS
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2

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

REACTIONS. (size) 6=0-4-0, 2=0-4-0
Max Horz 2=106(LC 7)
Max Uplift 6=-1295(LC 8), 2=-1196(LC 8)
Max Grav 6=8254(LC 1), 2=7353(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-13506/2129, 3-4=-9186/1498, 4-5=-9191/1499, 5-6=-13732/2172
BOT CHORD 2-9=-1843/12064, 8-9=-1843/12064, 7-8=-1885/12282, 6-7=-1885/12282
WEBS 4-8=-1238/7922, 5-8=-4946/837, 5-7=-605/4279, 3-8=-4684/787, 3-9=-568/4093

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=1295, 2=1196.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1248 lb down and 206 lb up at 2-0-12, 1248 lb down and 206 lb up at 4-0-12, 1248 lb down and 206 lb up at 6-0-12, 1248 lb down and 206 lb up at 8-0-12, 1248 lb down and 206 lb up at 10-0-12, 1248 lb down and 206 lb up at 12-0-12, 1248 lb down and 206 lb up at 14-0-12, 1248 lb down and 206 lb up at 16-0-12, 1248 lb down and 206 lb up at 18-0-12, and 1248 lb down and 206 lb up at 20-0-12, and 1250 lb down and 204 lb up at 21-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date: December 19,2024

Continued on page 2

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

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-6=-60, 2-6=-20
   Concentrated Loads (lb)
   Vert: 7=-1248(B) 11=-1250(B) 14=-1248(B) 15=-1248(B) 16=-1248(B) 17=-1248(B) 18=-1248(B) 19=-1248(B) 20=-1248(B) 21=-1248(B) 22=-1248(B)

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	2D1X	Common Supported Gable	1	1	T35865410
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:23 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-h3?Otbs?4qvGq0xpsYX4tiLrrPanCfJySiq8joy7hjM

-1-4-0 1-4-0 | 1-9-7 1-9-7 | 1-11-1 0-1-9 | 5-10-8 3-11-7 | 9-9-15 3-11-7 | 9-11-9 0-1-9 | 11-9-0 1-9-7 | 13-1-0 1-4-0

Scale = 1:23.1

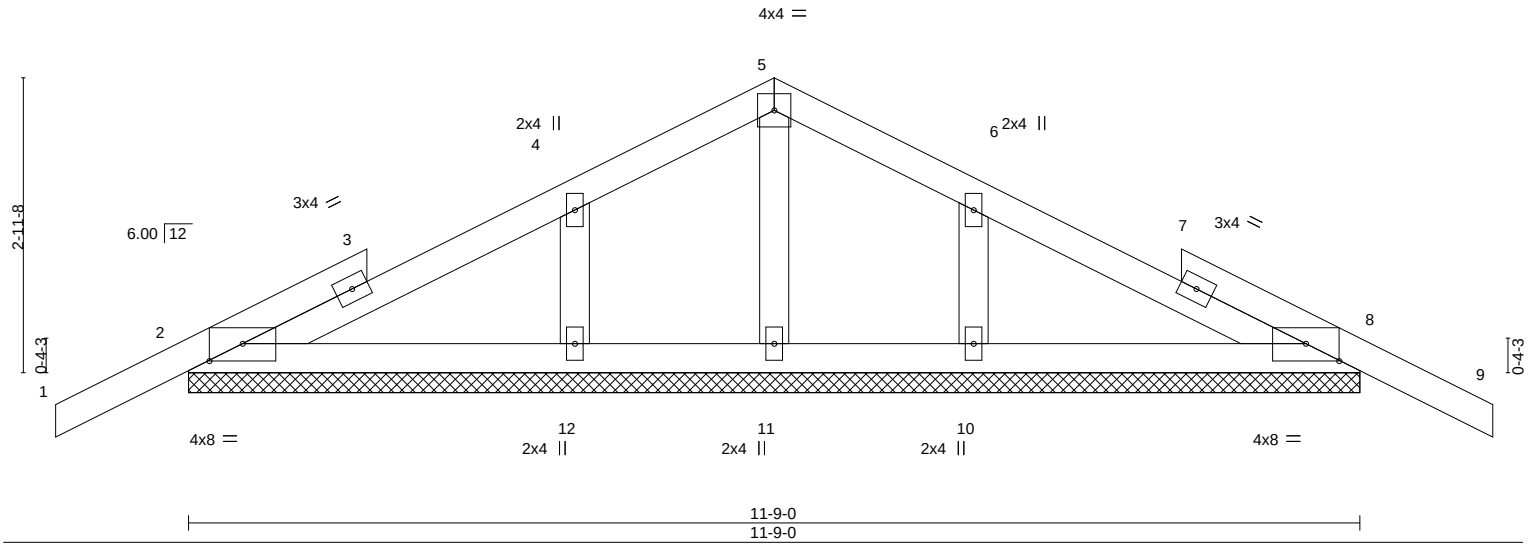


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [8:0-4-0,0-2-1]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.14	Vert(LL)	0.00	8	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	9	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 54 lb	FT = 20%

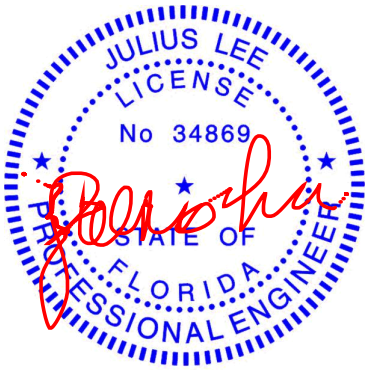
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

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. All bearings 11-9-0.
(lb) - Max Horz 2=-56(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 8, 12, 10
Max Grav All reactions 250 lb or less at joint(s) 2, 8, 11 except 12=283(LC 23), 10=283(LC 24)

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

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8, 12, 10.



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

December 19,2024

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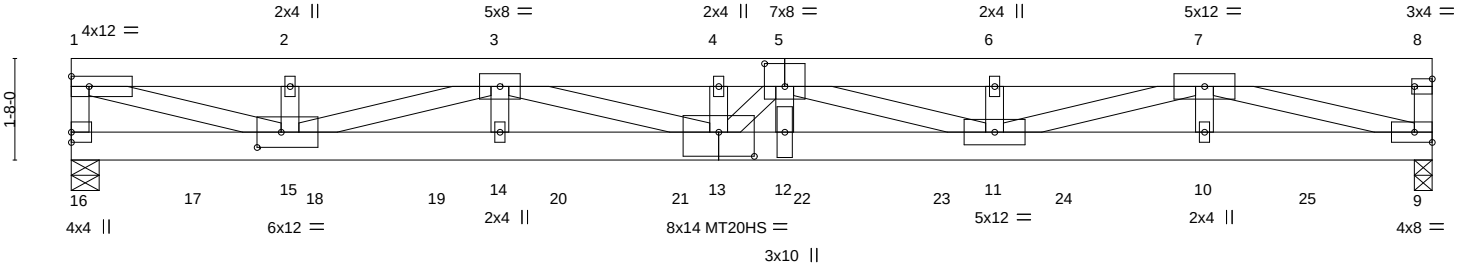
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FG1	Flat Girder	1	2	T35865411
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:24 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-AFZm4xtdr817SAW?PG2JPwtqYpkIxxc6gMahGEy7hjL

3-7-1	7-0-7	10-7-8	11-8-8	15-1-13	18-7-3	22-4-0
3-7-1	3-5-5	3-7-1	1-1-0	3-5-5	3-5-5	3-8-13

Scale = 1:37.8



THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.

3-7-1	7-0-7	10-7-8	11-8-8	15-1-13	18-7-3	22-4-0
3-7-1	3-5-5	3-7-1	1-1-0	3-5-5	3-5-5	3-8-13

Plate Offsets (X,Y)-- [5:0-4-0,0-4-8], [8:Edge,0-1-8], [13:0-7-0,0-4-12], [15:0-4-12,0-3-0]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.91	Vert(LL)	-0.32	12	>817	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.76	12	>347	240	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.74	Horz(CT)	0.09	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.29	12	>903	240	Weight: 288 lb	FT = 20%

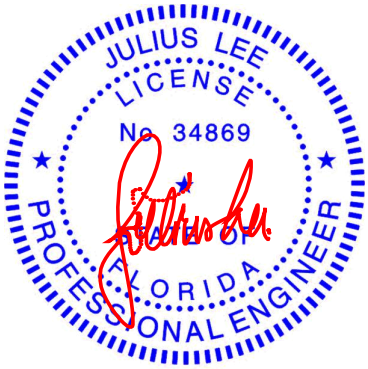
LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP DSS
WEBS 2x4 SP No.2 *Except*
1-15,3-15,5-11,7-11: 2x4 SP M 31 or 2x4 SP SS

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 16=0-5-8, 9=0-3-8
Max Uplift 16=-318(LC 4)
Max Grav 16=3176(LC 1), 9=3754(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-2828/288, 1-2=-7723/687, 2-3=-7723/687, 3-4=-15918/452, 4-5=-15918/452, 5-6=-14523/0, 6-7=-14523/0, 7-8=-540/0, 8-9=-435/0
BOT CHORD 15-16=-42/375, 14-15=-836/13537, 13-14=-836/13537, 12-13=-153/16742, 11-12=-153/16742, 10-11=0/9178, 9-10=0/9178
WEBS 1-15=-684/7786, 3-15=-6161/181, 3-14=-85/886, 3-13=0/2512, 5-13=-1235/0, 5-12=-95/1027, 5-11=-2352/541, 6-11=-485/0, 7-11=-117/5665, 7-10=-135/574, 7-9=-9114/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-7-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; Lumber DOL=1.60 plate grip DOL=1.60
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 MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=318.
10) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.



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Continued on page 2

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NOTES-

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 365 lb down and 87 lb up at 2-0-4, 365 lb down and 87 lb up at 4-0-4, 365 lb down and 87 lb up at 6-0-4, 365 lb down and 87 lb up at 8-0-4, 365 lb down and 87 lb up at 10-0-4, 365 lb down and 87 lb up at 12-0-4, 365 lb down and 87 lb up at 12-3-12, 365 lb down and 87 lb up at 14-3-12, 365 lb down and 87 lb up at 16-3-12, and 365 lb down and 87 lb up at 18-3-12, and 365 lb down and 87 lb up at 20-3-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-8=-160, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=-365(F) 17=-365(F) 18=-365(F) 19=-365(F) 20=-365(F) 21=-365(F) 22=-729(F) 23=-365(F) 24=-365(F) 25=-365(F)
2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-4=-50, 4-8=-150, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=-318(F) 17=-318(F) 18=-318(F) 19=-318(F) 20=-318(F) 21=-318(F) 22=-636(F) 23=-318(F) 24=-318(F) 25=-318(F)
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-20, 4-8=-120, 9-16=-40
   Concentrated Loads (lb)
   Vert: 10=-259(F) 17=-259(F) 18=-259(F) 19=-259(F) 20=-259(F) 21=-259(F) 22=-518(F) 23=-259(F) 24=-259(F) 25=-259(F)
4) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=31, 4-6=-69, 6-8=-85, 9-16=-12
   Concentrated Loads (lb)
   Vert: 10=79(F) 17=79(F) 18=79(F) 19=79(F) 20=79(F) 21=79(F) 22=159(F) 23=79(F) 24=79(F) 25=79(F)
5) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-3=15, 3-4=31, 4-8=-69, 9-16=-12
   Concentrated Loads (lb)
   Vert: 10=79(F) 17=79(F) 18=79(F) 19=79(F) 20=79(F) 21=79(F) 22=159(F) 23=79(F) 24=79(F) 25=79(F)
6) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-21, 4-8=-121, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=87(F) 17=87(F) 18=87(F) 19=87(F) 20=87(F) 21=87(F) 22=175(F) 23=87(F) 24=87(F) 25=87(F)
7) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-21, 4-8=-121, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=87(F) 17=87(F) 18=87(F) 19=87(F) 20=87(F) 21=87(F) 22=175(F) 23=87(F) 24=87(F) 25=87(F)
8) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=24, 4-8=-76, 9-16=-12
   Concentrated Loads (lb)
   Vert: 10=79(F) 17=79(F) 18=79(F) 19=79(F) 20=79(F) 21=79(F) 22=159(F) 23=79(F) 24=79(F) 25=79(F)
9) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=12, 4-8=-88, 9-16=-12
   Concentrated Loads (lb)
   Vert: 10=79(F) 17=79(F) 18=79(F) 19=79(F) 20=79(F) 21=79(F) 22=159(F) 23=79(F) 24=79(F) 25=79(F)
10) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-21, 4-8=-121, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=87(F) 17=87(F) 18=87(F) 19=87(F) 20=87(F) 21=87(F) 22=175(F) 23=87(F) 24=87(F) 25=87(F)
11) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-21, 4-8=-121, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=87(F) 17=87(F) 18=87(F) 19=87(F) 20=87(F) 21=87(F) 22=175(F) 23=87(F) 24=87(F) 25=87(F)
12) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
   Uniform Loads (plf)
   Vert: 1-4=-20, 4-8=-120, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=-179(F) 17=-179(F) 18=-179(F) 19=-179(F) 20=-179(F) 21=-179(F) 22=-357(F) 23=-179(F) 24=-179(F) 25=-179(F)
13) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-51, 4-8=-151, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=45(F) 17=45(F) 18=45(F) 19=45(F) 20=45(F) 21=45(F) 22=90(F) 23=45(F) 24=45(F) 25=45(F)
14) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-51, 4-8=-151, 9-16=-20
   Concentrated Loads (lb)
   Vert: 10=45(F) 17=45(F) 18=45(F) 19=45(F) 20=45(F) 21=45(F) 22=90(F) 23=45(F) 24=45(F) 25=45(F)

Continued on page 3

LOAD CASE(S) Standard

15) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-8=-151, 9-16=-20
Concentrated Loads (lb)
Vert: 10=45(F) 17=45(F) 18=45(F) 19=45(F) 20=45(F) 21=45(F) 22=90(F) 23=45(F) 24=45(F) 25=45(F)

16) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-8=-151, 9-16=-20
Concentrated Loads (lb)
Vert: 10=45(F) 17=45(F) 18=45(F) 19=45(F) 20=45(F) 21=45(F) 22=90(F) 23=45(F) 24=45(F) 25=45(F)

17) Dead + 0.6 MWFRS Wind Min. Left: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-8, 4-8=-108, 9-16=-12
Concentrated Loads (lb)
Vert: 10=-187(F) 17=-187(F) 18=-187(F) 19=-187(F) 20=-187(F) 21=-187(F) 22=-373(F) 23=-187(F) 24=-187(F) 25=-187(F)

18) Dead + 0.6 MWFRS Wind Min. Right: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
Uniform Loads (plf)
Vert: 1-4=-8, 4-8=-108, 9-16=-12
Concentrated Loads (lb)
Vert: 10=-187(F) 17=-187(F) 18=-187(F) 19=-187(F) 20=-187(F) 21=-187(F) 22=-373(F) 23=-187(F) 24=-187(F) 25=-187(F)

19) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=31, 4-6=-69, 6-8=-85, 9-16=-12
Concentrated Loads (lb)
Vert: 10=-196(F) 17=-196(F) 18=-196(F) 19=-196(F) 20=-196(F) 21=-196(F) 22=-392(F) 23=-196(F) 24=-196(F) 25=-196(F)

20) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-3=15, 3-4=31, 4-8=-69, 9-16=-12
Concentrated Loads (lb)
Vert: 10=-196(F) 17=-196(F) 18=-196(F) 19=-196(F) 20=-196(F) 21=-196(F) 22=-392(F) 23=-196(F) 24=-196(F) 25=-196(F)

21) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-8=-121, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-188(F) 17=-188(F) 18=-188(F) 19=-188(F) 20=-188(F) 21=-188(F) 22=-376(F) 23=-188(F) 24=-188(F) 25=-188(F)

22) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-8=-121, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-188(F) 17=-188(F) 18=-188(F) 19=-188(F) 20=-188(F) 21=-188(F) 22=-376(F) 23=-188(F) 24=-188(F) 25=-188(F)

23) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=24, 4-8=-76, 9-16=-12
Concentrated Loads (lb)
Vert: 10=-196(F) 17=-196(F) 18=-196(F) 19=-196(F) 20=-196(F) 21=-196(F) 22=-392(F) 23=-196(F) 24=-196(F) 25=-196(F)

24) Reversal: Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=12, 4-8=-88, 9-16=-12
Concentrated Loads (lb)
Vert: 10=-196(F) 17=-196(F) 18=-196(F) 19=-196(F) 20=-196(F) 21=-196(F) 22=-392(F) 23=-196(F) 24=-196(F) 25=-196(F)

25) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-8=-121, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-188(F) 17=-188(F) 18=-188(F) 19=-188(F) 20=-188(F) 21=-188(F) 22=-376(F) 23=-188(F) 24=-188(F) 25=-188(F)

26) Reversal: Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-21, 4-8=-121, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-188(F) 17=-188(F) 18=-188(F) 19=-188(F) 20=-188(F) 21=-188(F) 22=-376(F) 23=-188(F) 24=-188(F) 25=-188(F)

27) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-8=-151, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-290(F) 17=-290(F) 18=-290(F) 19=-290(F) 20=-290(F) 21=-290(F) 22=-580(F) 23=-290(F) 24=-290(F) 25=-290(F)

28) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-8=-151, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-290(F) 17=-290(F) 18=-290(F) 19=-290(F) 20=-290(F) 21=-290(F) 22=-580(F) 23=-290(F) 24=-290(F) 25=-290(F)

29) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-8=-151, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-290(F) 17=-290(F) 18=-290(F) 19=-290(F) 20=-290(F) 21=-290(F) 22=-580(F) 23=-290(F) 24=-290(F) 25=-290(F)

Continued on page 4

LOAD CASE(S) Standard

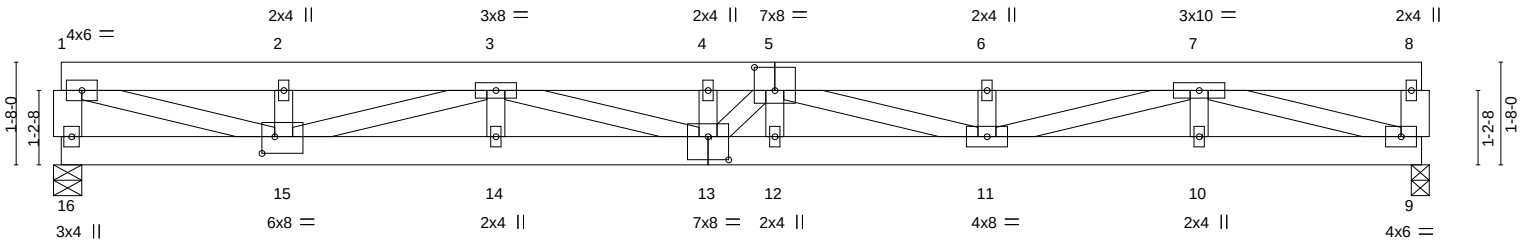
30) Reversal: Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
Uniform Loads (plf)
Vert: 1-4=-51, 4-8=-151, 9-16=-20
Concentrated Loads (lb)
Vert: 10=-290(F) 17=-290(F) 18=-290(F) 19=-290(F) 20=-290(F) 21=-290(F) 22=-580(F) 23=-290(F) 24=-290(F) 25=-290(F)

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FG2	FLAT GIRDER	1	2	T35865412
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:25 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-eR78IHuFcR9_4K5CzzZYy7Q9CD5_gSXFv0JFogy7hjK

3-8-13	7-2-3	10-7-8	11-8-8	15-1-13	18-7-3	22-4-0
3-8-13	3-5-5	3-5-5	1-1-0	3-5-5	3-5-5	3-8-13

Scale = 1:37.4



3-8-13	7-2-3	10-7-8	11-8-8	15-1-13	18-7-3	22-4-0
3-8-13	3-5-5	3-5-5	1-1-0	3-5-5	3-5-5	3-8-13

Plate Offsets (X,Y)-- [5:0-4-0,0-4-8], [13:0-4-0,0-4-8], [15:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.00	TC	0.28	Vert(LL)	-0.10	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.32	13	>826	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.51	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.11	13	>999	240	Weight: 288 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 *Except*
1-16,8-9: 2x6 SP No.2

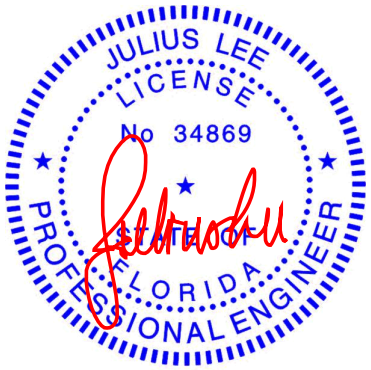
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 16=0-5-8, 9=0-3-8
Max Grav 16=1668(LC 1), 9=1122(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-16=-1526/0, 1-2=-3744/0, 2-3=-3744/0, 3-4=-6080/0, 4-5=-6080/0, 5-6=-4671/414, 6-7=-4671/414
BOT CHORD 15-16=0/348, 14-15=0/5783, 13-14=0/5783, 12-13=-55/5760, 11-12=-55/5760, 10-11=-421/2708, 9-10=-421/2708
WEBS 1-15=0/3593, 2-15=-488/0, 3-15=-2161/0, 3-13=-441/315, 4-13=-380/0, 5-13=0/523, 5-11=-1154/0, 7-11=0/2081, 7-9=-2627/394

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-4=-160, 4-8=-60, 9-16=-20



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Date: December 19,2024

Continued on page 2

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LOAD CASE(S) Standard

2) Dead + 0.75 Roof Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
   Uniform Loads (plf)
   Vert: 1-4=-150, 4-8=-50, 9-16=-20
3) Dead + Uninhabitable Attic Without Storage: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-120, 4-8=-20, 9-16=-40
4) Dead + 0.6 C-C Wind (Pos. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-45, 4-8=55, 9-16=-12
5) Dead + 0.6 C-C Wind (Pos. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-45, 4-8=55, 9-16=-12
6) Dead + 0.6 C-C Wind (Neg. Internal) Case 1: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-132, 4-8=-32, 9-16=-20
7) Dead + 0.6 C-C Wind (Neg. Internal) Case 2: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-132, 4-8=-32, 9-16=-20
8) Dead + 0.6 MWFRS Wind (Pos. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-4=-69, 4-6=31, 6-8=15, 9-16=-12
9) Dead + 0.6 MWFRS Wind (Pos. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
   Uniform Loads (plf)
   Vert: 1-3=-85, 3-4=-69, 4-8=31, 9-16=-12
10) Dead + 0.6 MWFRS Wind (Neg. Internal) Left: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-121, 4-8=-21, 9-16=-20
11) Dead + 0.6 MWFRS Wind (Neg. Internal) Right: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-121, 4-8=-21, 9-16=-20
12) Dead + 0.6 MWFRS Wind (Pos. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-76, 4-8=24, 9-16=-12
13) Dead + 0.6 MWFRS Wind (Pos. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-88, 4-8=12, 9-16=-12
14) Dead + 0.6 MWFRS Wind (Neg. Internal) 1st Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-121, 4-8=-21, 9-16=-20
15) Dead + 0.6 MWFRS Wind (Neg. Internal) 2nd Parallel: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-121, 4-8=-21, 9-16=-20
16) Dead: Lumber Increase=0.90, Plate Increase=0.90 Plt. metal=0.90
    Uniform Loads (plf)
    Vert: 1-4=-120, 4-8=-20, 9-16=-20
17) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Left): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-151, 4-8=-51, 9-16=-20
18) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) Right): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-151, 4-8=-51, 9-16=-20
19) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 1st Parallel): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-151, 4-8=-51, 9-16=-20
20) Dead + 0.75 Roof Live (bal.) + 0.75(0.6 MWFRS Wind (Neg. Int) 2nd Parallel): Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-151, 4-8=-51, 9-16=-20
21) Dead + 0.6 C-C Wind Min. Down: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-125, 4-8=-25, 9-16=-12
22) Dead + 0.6 C-C Wind Min. Upward: Lumber Increase=1.60, Plate Increase=1.60
    Uniform Loads (plf)
    Vert: 1-4=-92, 4-8=8, 9-16=-12

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FG3	FLOOR	1	2	T35865413
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:25 2024 Page 1
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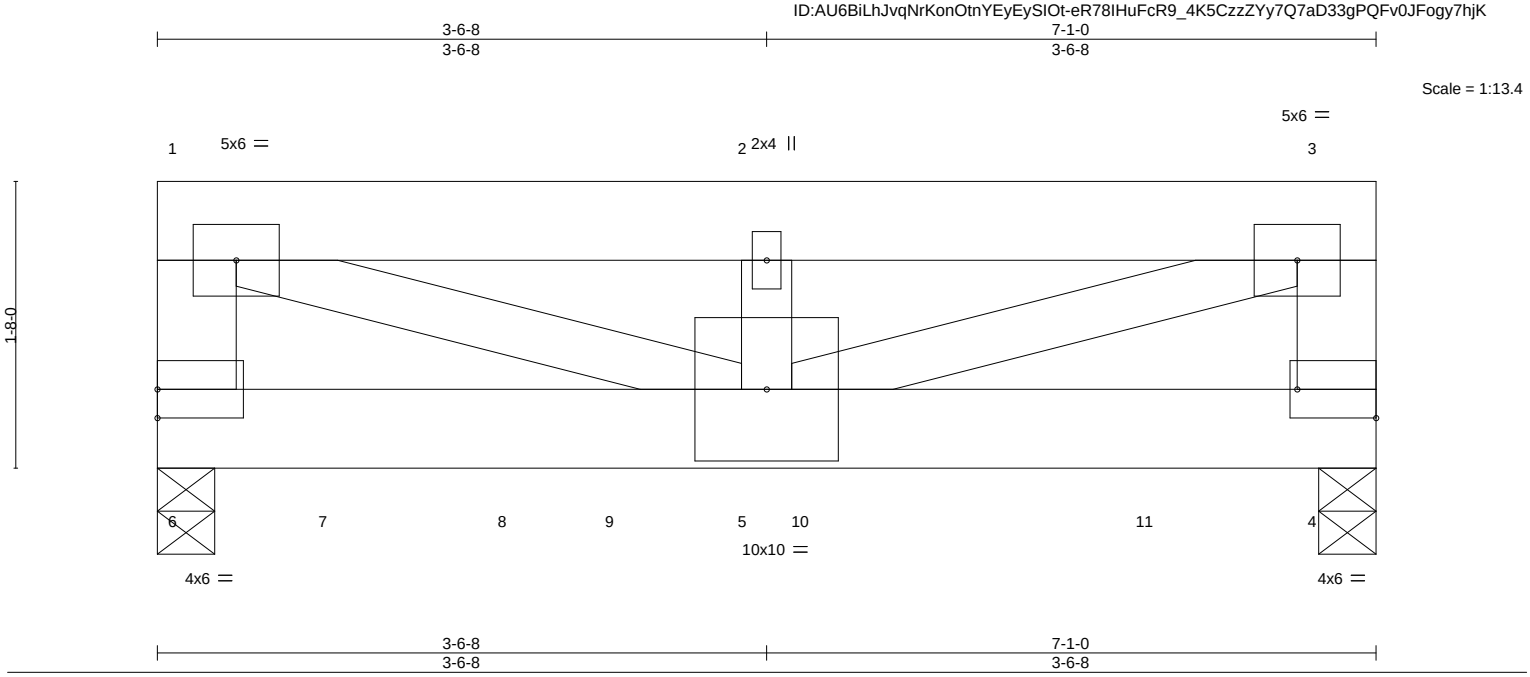


Plate Offsets (X,Y)-- [4:Edge,0-2-0]

LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.45	Vert(LL)	-0.05	5-6	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.88	Vert(CT)	-0.07	5-6	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.64	Horz(CT)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2023/TPI2014		Matrix-MS							Weight: 93 lb	FT = 20%

LUMBER-
TOP CHORD 2x6 SP No.2
BOT CHORD 2x6 SP No.2
WEBS 2x4 SP No.2 *Except*
1-6,3-4: 2x6 SP No.2

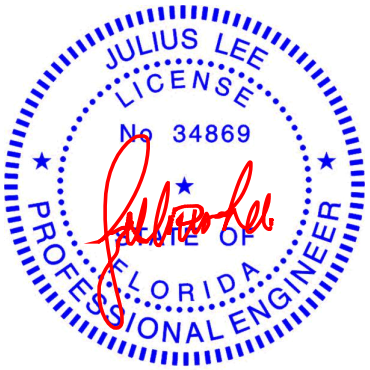
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=0-4-0, 4=0-4-0
Max Grav 6=3442(LC 1), 4=2991(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-1933/0, 1-2=-4947/0, 2-3=-4947/0, 3-4=-2010/0
BOT CHORD 5-6=0/895, 4-5=0/675
WEBS 1-5=0/4313, 3-5=0/4547

NOTES-
1) N/A
2) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 2-5 2x4 - 2 rows staggered at 0-3-0 oc.
3) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 919 lb down at 1-1-4, 1187 lb down at 2-1-12, 918 lb down at 2-9-4, 306 lb down at 3-10-0, and 1187 lb down at 3-10-4, and 1187 lb down at 5-10-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-100, 4-6=-10
Concentrated Loads (lb)
Vert: 5=-306(B) 7=-919(B) 8=-1187(F) 9=-918(B) 10=-1187(F) 11=-1187(F)



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FG4	FLOOR	1	2	T35865414
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:26 2024 Page 1
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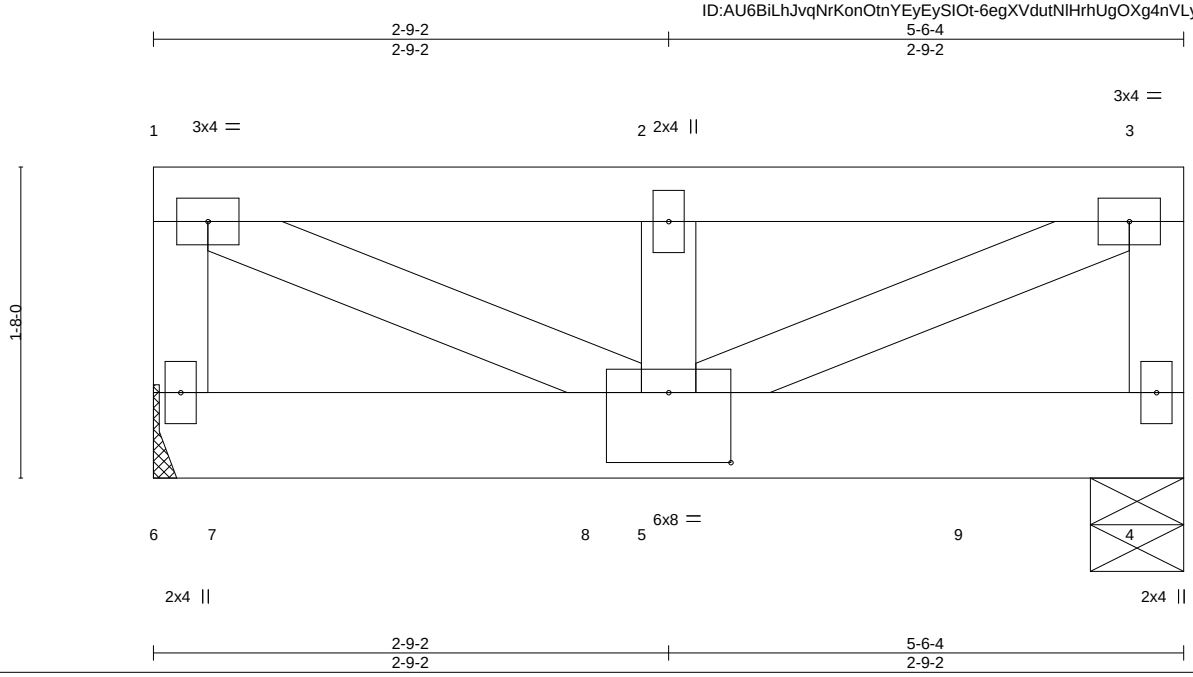


Plate Offsets (X,Y)-- [5:0-4-0,0-4-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.13	Vert(LL)	-0.01	5	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.33	Vert(CT)	-0.02	5	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.26	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2023/TPI2014		Matrix-MP							Weight: 65 lb	FT = 20%

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

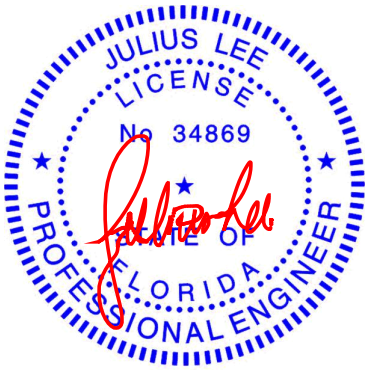
BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 6=Mechanical, 4=0-6-0
Max Grav 6=1827(LC 1), 4=1506(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-940/0, 1-2=-1653/0, 2-3=-1653/0, 3-4=-940/0
WEBS 1-5=0/1843, 2-5=-276/0, 3-5=0/1844

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-2-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 922 lb down at 0-5-8, and 918 lb down at 2-5-8, and 919 lb down at 4-5-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-3=-100, 4-6=-10
Concentrated Loads (lb)
Vert: 7=-922(B) 8=-918(B) 9=-919(B)



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FG5	FLOOR	1	2	T35865415
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:26 2024 Page 1
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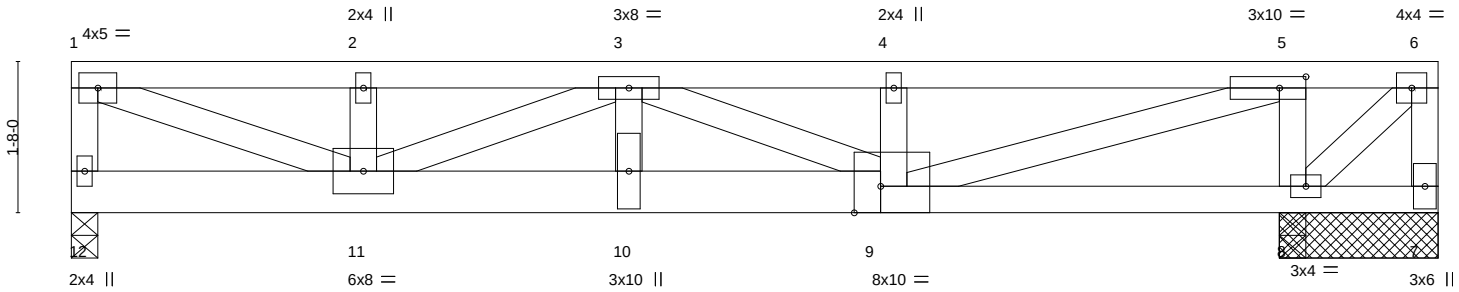
3-2-10	6-1-12	8-11-1	15-0-13
3-2-10	2-11-2	2-9-5	6-1-12

Scale = 1:25.4

THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.



PROVIDE CONNECTION OF TRUSS TO BEARING PLATE AT JOINT 7 CAPABLE OF WITHSTANDING 2092 LBS UPLIFT REACTION DUE TO GRAVITY LOADING APPLIED TO THE TRUSS. IT IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT/ENGINEER TO DESIGN THE CONNECTION OF THE TRUSS TO THE BEARING PLATE, PROVIDE AND DESIGN CONNECTION SYSTEM FOR A CONTINUOUS LOAD PATH FROM THE TRUSS TO THE FOUNDATION, AND DESIGN FOOTING/FOUNDATION TO RESIST SUCH UPLIFT. FAILURE TO DO SO WILL VOID THIS CONSTRUCTION.

3-2-10	6-1-12	8-11-1	13-7-5	15-0-13
3-2-10	2-11-2	2-9-5	4-8-4	1-5-8

Plate Offsets (X,Y)-- [5:0-3-8,0-1-8], [9:0-3-8,Edge]

LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.69	Vert(LL)	-0.11	10	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.15	9-10	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.69	Horz(CT)	0.01	8	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-MS							Weight: 165 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
9-12: 2x6 SP No.2
WEBS 2x4 SP No.2

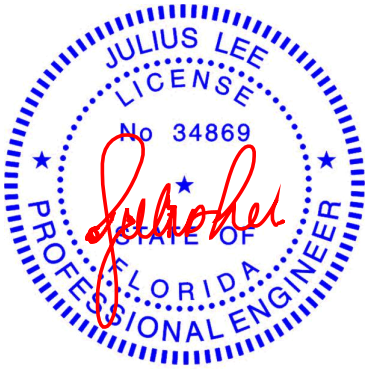
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. (size) 12=0-3-8, 7=1-9-0, 8=1-9-0, 8=1-9-0
Max Uplift 7=-2092(LC 1)
Max Grav 12=1493(LC 1), 8=4041(LC 1), 8=4041(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-12=-1399/0, 1-2=-3056/0, 2-3=-3056/0, 3-4=-2682/0, 4-5=-2715/0, 5-6=0/1943, 6-7=0/1917
BOT CHORD 10-11=0/5129, 9-10=0/5130, 8-9=-1943/0
WEBS 1-11=0/3182, 2-11=-303/0, 3-11=-2266/0, 3-10=0/1861, 3-9=-2731/0, 4-9=-317/0, 5-9=0/4866, 5-8=-2007/0, 6-8=-2546/0

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc, 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc, Except member 3-10 2x4 - 2 rows staggered at 0-2-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 7=2092.
4) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1817 lb down at 6-1-13 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Floor Live (balanced): Lumber Increase=1.00, Plate Increase=1.00
Uniform Loads (plf)
Vert: 1-6=-100, 7-12=-10
Concentrated Loads (lb)
Vert: 10=-1817(B)



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December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL1	Floor Supported Gable	1	1	T35865416
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:27 2024 Page 1
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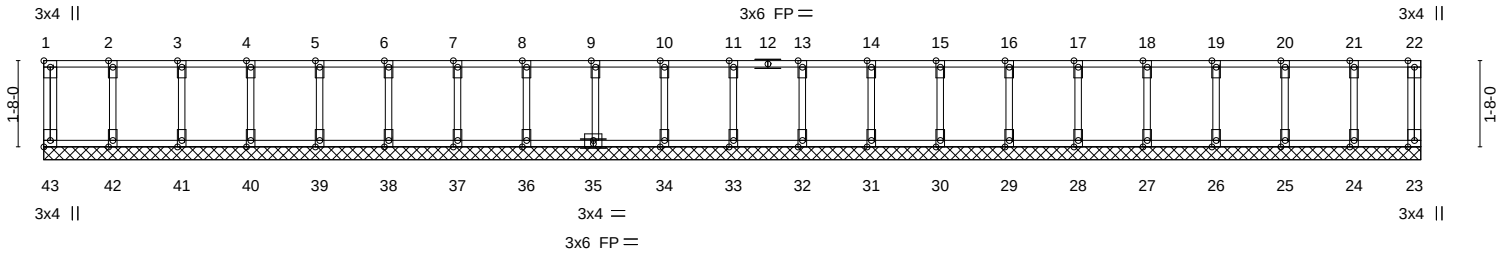


26-7-8
26-7-8

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [43:Edge,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.08	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.02	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	23	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-R							Weight: 128 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)

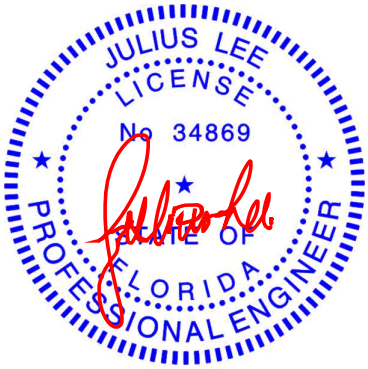
BRACING-

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. All bearings 26-7-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 43, 23, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24

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

NOTES-
1) All plates are 2x4 MT20 unless otherwise indicated.
2) Gable requires continuous bottom chord bearing.
3) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
4) Gable studs spaced at 1-4-0 oc.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL2	Floor	5	1	T35865417
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:30 2024 Page 1
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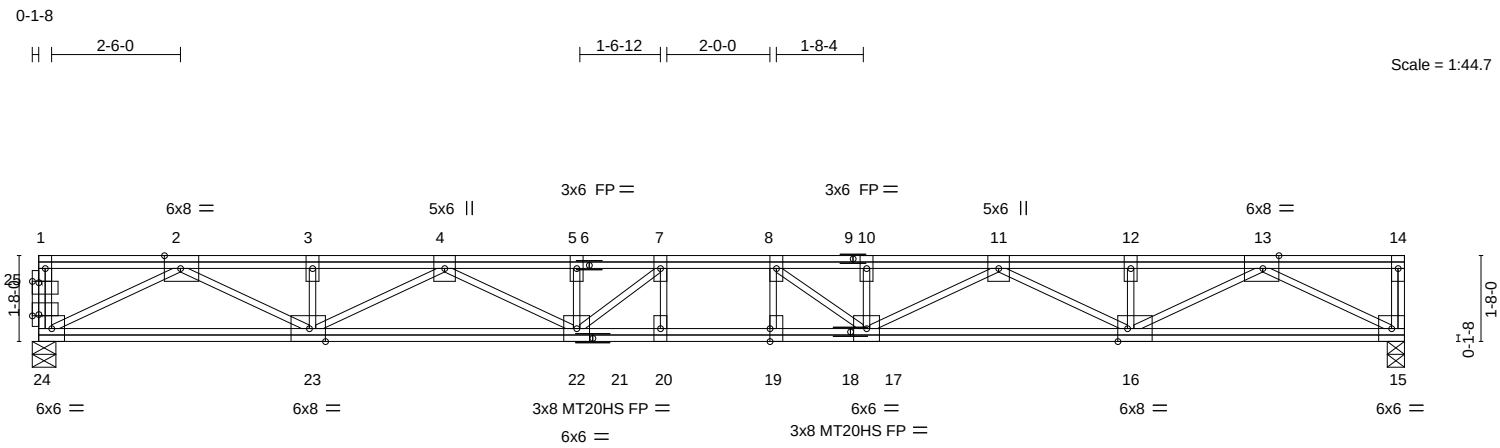


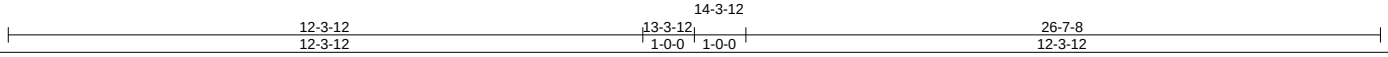


Plate Offsets (X,Y)-- [2:0-3-12,Edge], [13:0-3-12,Edge], [16:0-2-4,Edge], [19:0-3-0,0-0-0], [23:0-3-12,Edge], [24:0-1-8,0-0-5], [25:0-1-8,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.16	Vert(LL)	-0.37	19-20	>845	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.40	Vert(CT)	-0.51	19-20	>614	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.59	Horz(CT)	0.08	15	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 215 lb	FT = 20%F, 11%E

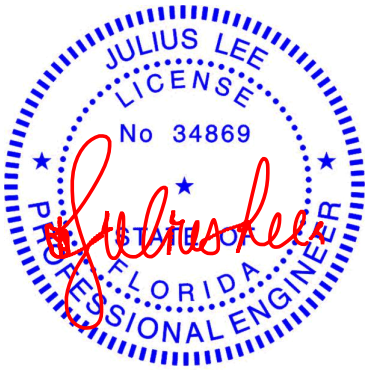
LUMBER-
TOP CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
BOT CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
WEBS 2x4 SP No.2(flat)

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) 15=0-4-0, 24=0-5-8
Max Grav 15=1447(LC 1), 24=1441(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4313/0, 3-4=-4313/0, 4-5=-6405/0, 5-7=-6405/0, 7-8=-6655/0, 8-10=-6394/0, 10-11=-6394/0, 11-12=-4274/0, 12-13=-4274/0
BOT CHORD 23-24=0/2497, 22-23=0/5606, 20-22=0/6655, 19-20=0/6655, 17-19=0/6655, 16-17=0/5580, 15-16=0/2431
WEBS 2-24=-2808/0, 2-23=0/2075, 4-23=-1478/0, 4-22=0/914, 5-22=-297/76, 7-22=-837/279, 13-15=-2762/0, 13-16=0/2106, 11-16=-1492/0, 11-17=0/930, 10-17=-300/65, 8-17=-840/270

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Bearing at joint(s) 24 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



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

December 19,2024

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Chesterfield, MO 63017
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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL3	FLOOR	5	1	T35865418
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:31 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-SbUQYLy0CHv8oFYLKEgyBOgAaeCW4Au8HxmZ?Ky7hjE

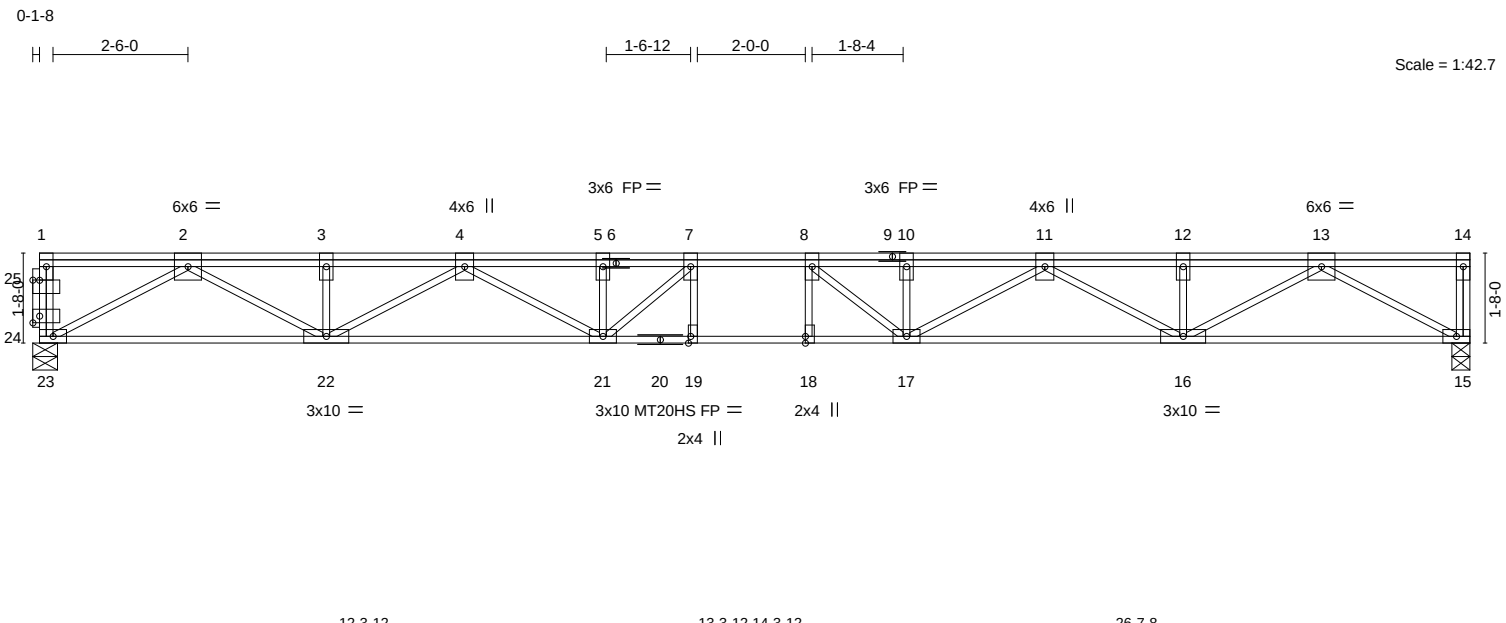


Plate Offsets (X,Y)-- [18:0-1-8,0-0-0], [19:0-1-8,Edge], [24:0-1-8,0-1-8], [25:0-1-8,0-0-0]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.29	Vert(LL)	-0.35	18-19	>894	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.49	Vert(CT)	-0.49	18-19	>649	240	MT20HS	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.10	15	n/a	n/a		
BCDL	5.0	Code FBC2023/TPI2014		Matrix-S							Weight: 179 lb	FT = 20%F, 11%E

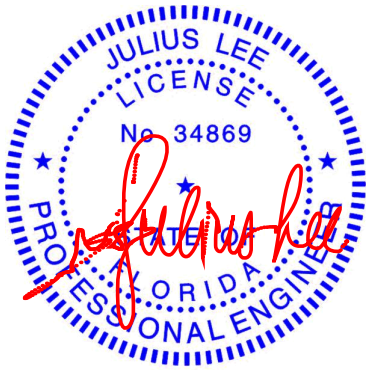
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
WEBS 2x4 SP No.2(flat)

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) 23=0-5-8, 15=0-4-0
Max Grav 23=963(LC 1), 15=963(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2734/0, 3-4=-2734/0, 4-5=-4082/0, 5-7=-4082/0, 7-8=-4233/0, 8-10=-4085/0, 10-11=-4085/0, 11-12=-2734/0, 12-13=-2734/0
BOT CHORD 22-23=0/1549, 21-22=0/3552, 19-21=0/4233, 18-19=0/4233, 17-18=0/4233, 16-17=0/3552, 15-16=0/1549
WEBS 2-23=-1778/0, 2-22=0/1368, 4-22=-945/0, 4-21=0/612, 7-21=-542/194, 13-15=-1778/0, 13-16=0/1368, 11-16=-944/0, 11-17=0/615, 8-17=-536/196

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are MT20 plates unless otherwise indicated.
3) All plates are 3x6 MT20 unless otherwise indicated.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL4	Floor	3	1	T35865419
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:31 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-SbUQYLy0CHv8oFYLKEgyBOg4?e4i4Bp8HxmZ?Ky7hjE

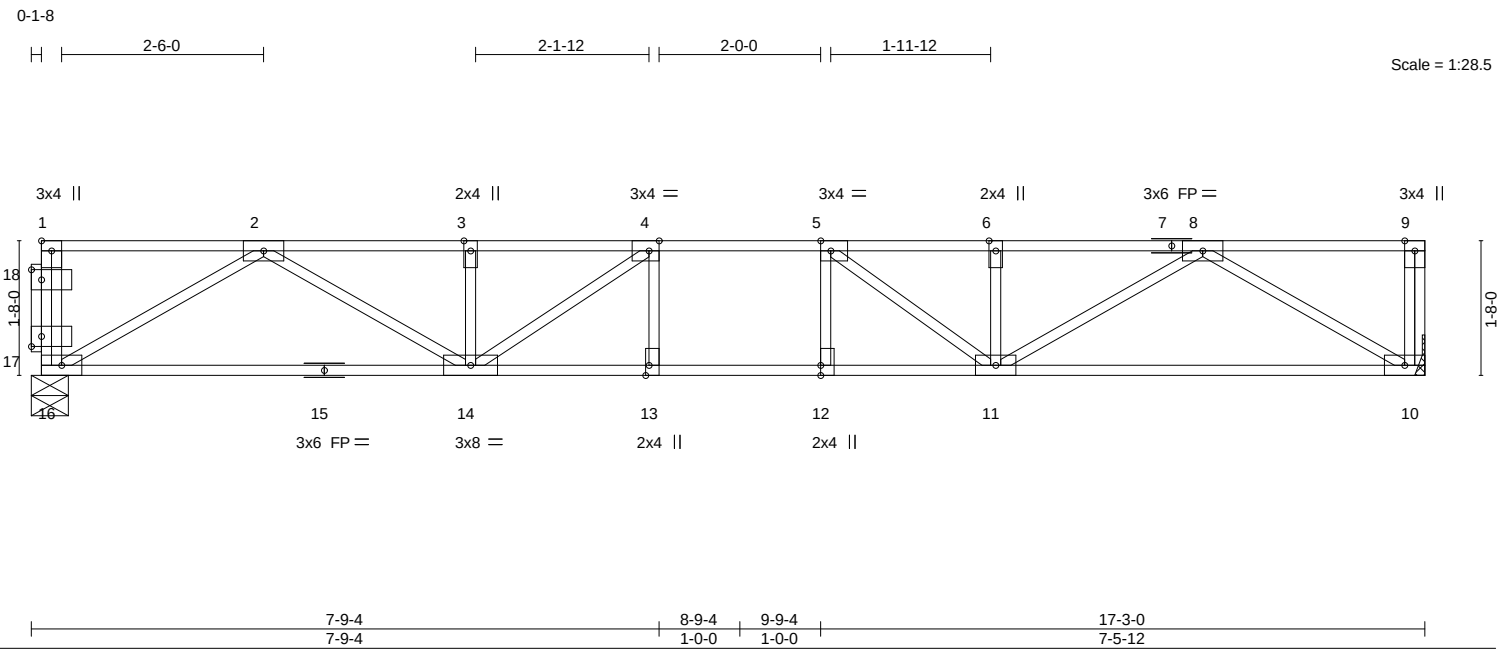


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [12:0-1-8,0-0-0], [13:0-1-8,Edge], [17:0-1-8,0-1-8], [18:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.64	Vert(LL)	-0.19	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.99	Vert(CT)	-0.24	13-14	>835	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 94 lb	FT = 20%F, 11%E

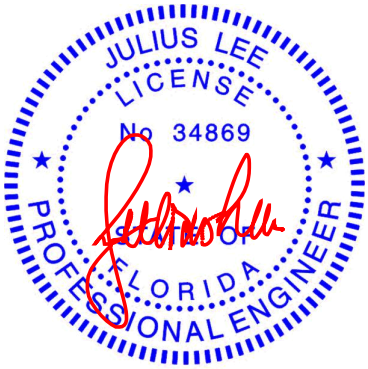
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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

REACTIONS. (size) 16=0-5-8, 10=Mechanical
Max Grav 16=928(LC 1), 10=928(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2204/0, 3-4=-2204/0, 4-5=-2518/0, 5-6=-2199/0, 6-8=-2199/0
BOT CHORD 14-16=0/1365, 13-14=0/2518, 12-13=0/2518, 11-12=0/2518, 10-11=0/1365
WEBS 2-16=-1583/0, 2-14=0/979, 3-14=-281/10, 4-14=-608/0, 8-10=-1583/0, 8-11=0/973, 6-11=-270/22, 5-11=-621/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL5	Floor	2	1	T35865420
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:31 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-SbUQYLy0CHv8oFYLKEgyBOg5qeBk4Bf8HxmZ?Ky7hjE

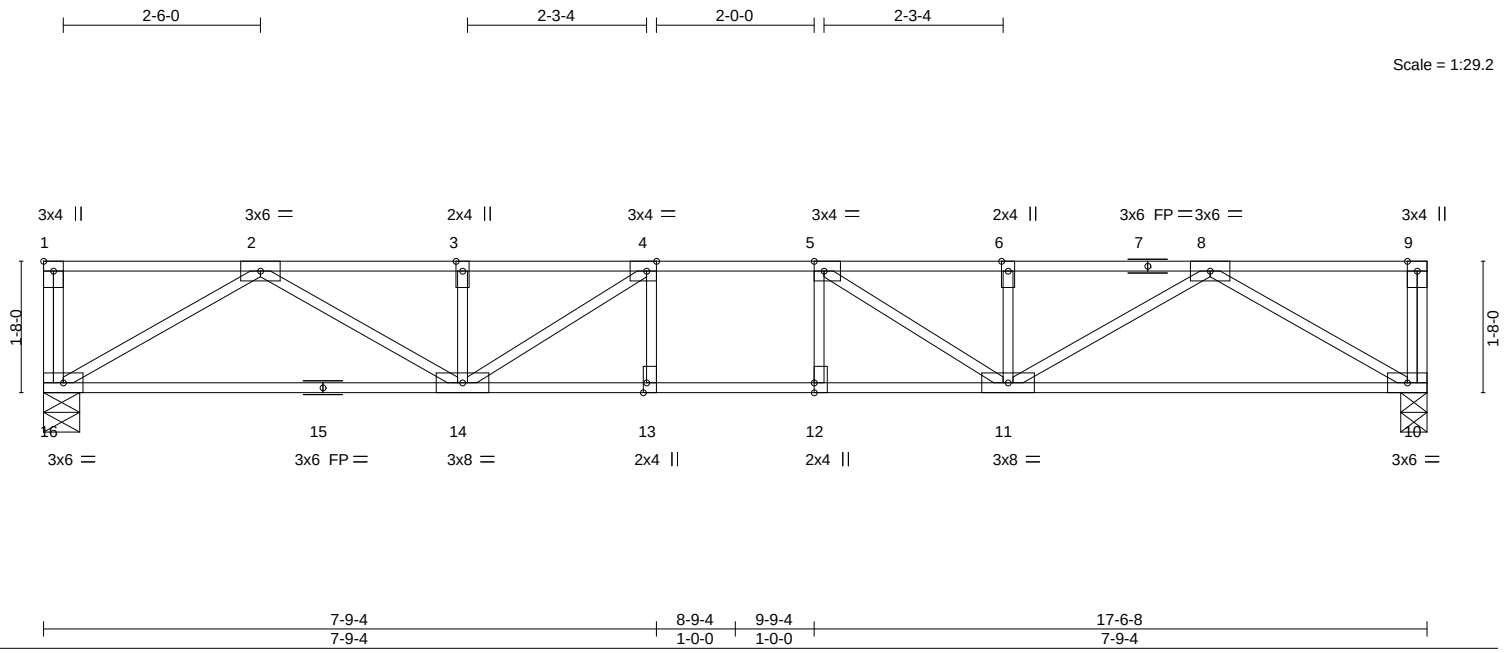


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [12:0-1-8,0-0-0], [13:0-1-8,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.59	Vert(LL)	-0.19	13-14	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.54	Vert(CT)	-0.23	13-14	>889	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(CT)	0.04	10	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 94 lb	FT = 20%F, 11%E

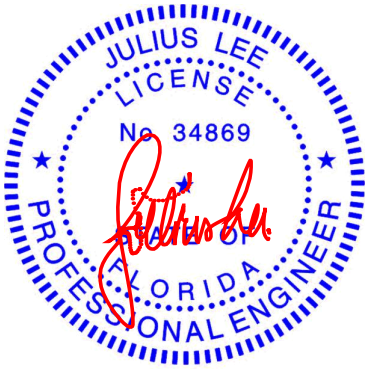
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat) *Except*
10-15: 2x4 SP M 31 or 2x4 SP SS(flat)
WEBS 2x4 SP No.2(flat)

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) 16=0-5-8, 10=0-4-0
Max Grav 16=951(LC 1), 10=951(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2282/0, 3-4=-2282/0, 4-5=-2648/0, 5-6=-2280/0, 6-8=-2280/0
BOT CHORD 14-16=0/1404, 13-14=0/2648, 12-13=0/2648, 11-12=0/2648, 10-11=0/1403
WEBS 2-16=-1628/0, 2-14=0/1025, 3-14=-281/5, 4-14=-660/0, 8-10=-1627/0, 8-11=0/1023, 6-11=-281/5, 5-11=-662/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL6	Floor	2	1	T35865421
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:32 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-xn2omgzezb1?PP7YtxBBkcCHO1SBpe3HWbW6Ymy7hjD

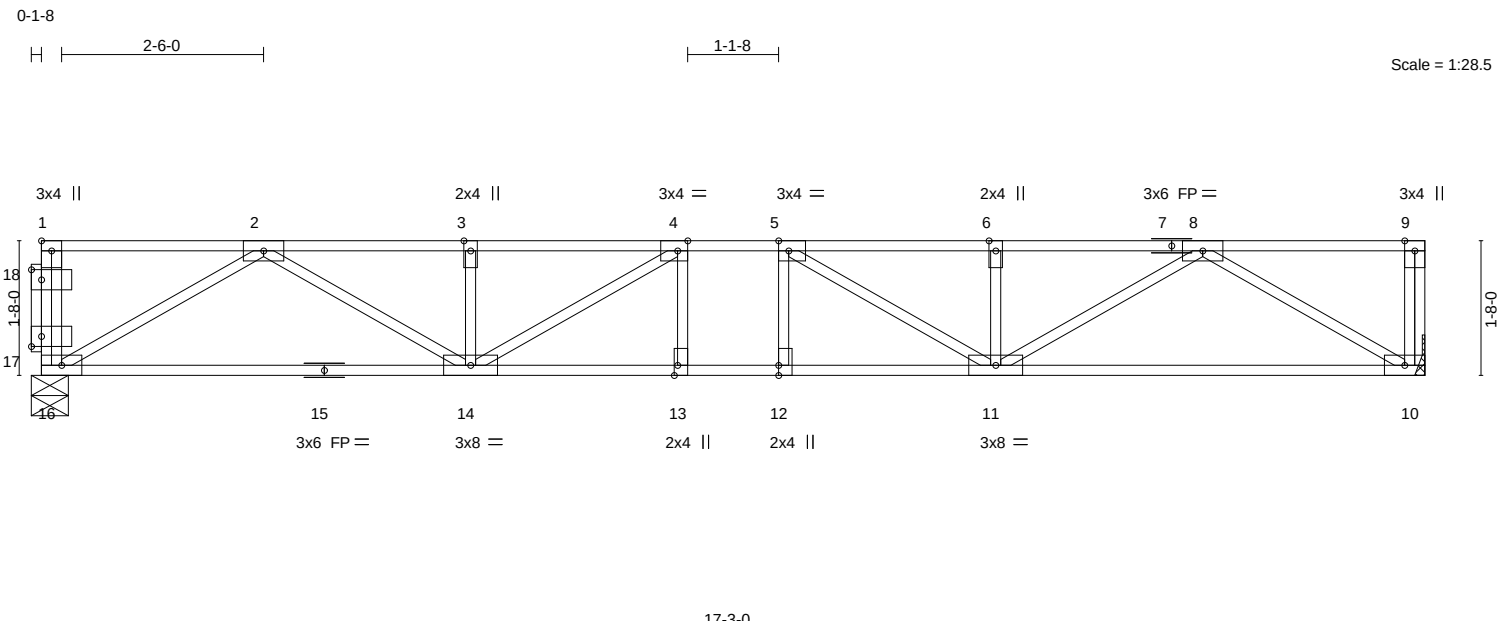


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [12:0-1-8,0-0-0], [13:0-1-8,Edge], [17:0-1-8,0-1-8], [18:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.54	Vert(LL)	-0.14	13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.85	Vert(CT)	-0.19	12-13	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.05	10	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 95 lb	FT = 20%F, 11%E

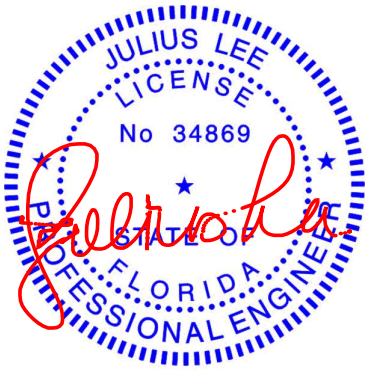
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 16=0-5-8, 10=Mechanical
Max Grav 16=928(LC 1), 10=928(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2210/0, 3-4=-2210/0, 4-5=-2544/0, 5-6=-2210/0, 6-8=-2210/0
BOT CHORD 14-16=0/1363, 13-14=0/2544, 12-13=0/2544, 11-12=0/2544, 10-11=0/1363
WEBS 8-10=-1581/0, 2-16=-1581/0, 8-11=0/989, 2-14=0/989, 6-11=-291/0, 3-14=-291/0, 5-11=-574/0, 4-14=-574/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
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December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL7	Floor	1	1	T35865422
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:32 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-xn2omgzezb1?PP7YtxBBkcCJW1cvpiyHWbW6Ymy7hjD

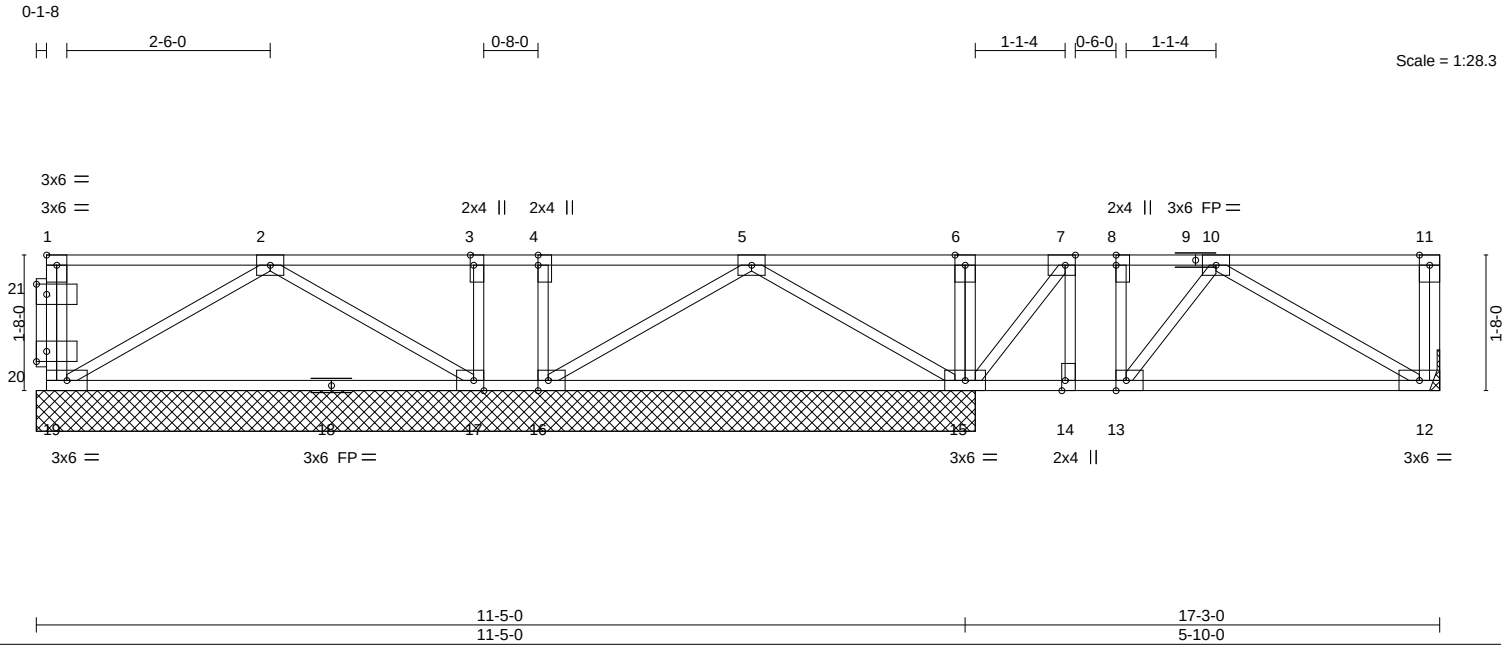


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-1-8,Edge], [4:0-1-8,Edge], [7:0-1-8,Edge], [8:0-1-8,0-0-0], [13:0-1-8,Edge], [14:0-1-8,Edge], [16:0-1-8,Edge], [17:0-1-8,Edge], [20:0-1-8,0-1-8], [21:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.40	Vert(LL)	-0.02	12-13	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.23	Vert(CT)	-0.06	17-19	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	12	n/a	n/a		
BCDL	5.0	Code FBC2023/TPI2014		Matrix-S							Weight: 100 lb	FT = 20%F, 11%E

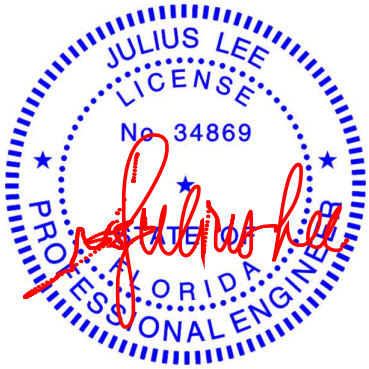
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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, Except: 6-0-0 oc bracing: 16-17.

REACTIONS. All bearings 11-6-8 except (jt=length) 12=Mechanical.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 19 except 17=375(LC 9), 16=364(LC 10), 12=316(LC 4), 15=576(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 12-13=0/328
WEBS 2-17=-355/0, 5-16=-354/0, 10-12=-380/0, 7-15=-342/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x4 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.



Julius Lee PE No. 34869
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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL8	Floor Supported Gable	1	1	T35865423
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:33 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-P_cAz0_Gkv9s1YikRfiQHplajR?WYADQlFFg4Dy7hjC

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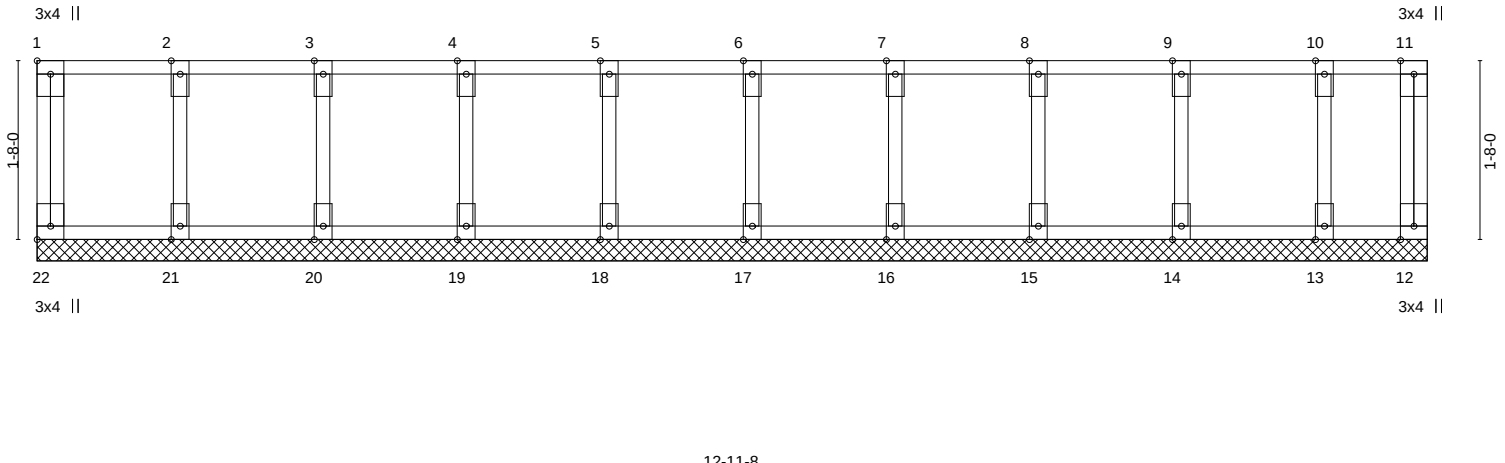


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [22:Edge,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.05	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.01	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	12	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-R							Weight: 66 lb	FT = 20%F, 11%E

LUMBER-

TOP CHORD	2x4 SP No.2(flat)
BOT CHORD	2x4 SP No.2(flat)
WEBS	2x4 SP No.2(flat)
OTHERS	2x4 SP No.2(flat)

BRACING-

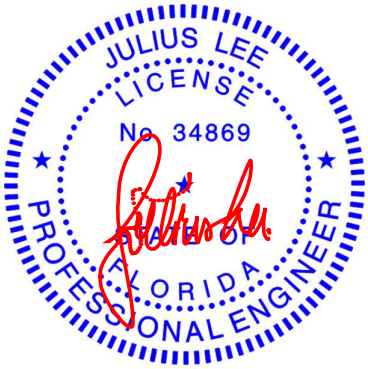
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 12-11-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) 22, 12, 21, 20, 19, 18, 17, 16, 15, 14, 13

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

NOTES-

1) All plates are 2x4 MT20 unless otherwise indicated.
2) Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
3) Gable studs spaced at 1-4-0 oc.
4) N/A
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL9	Floor	9	1	T35865424
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:33 2024 Page 1
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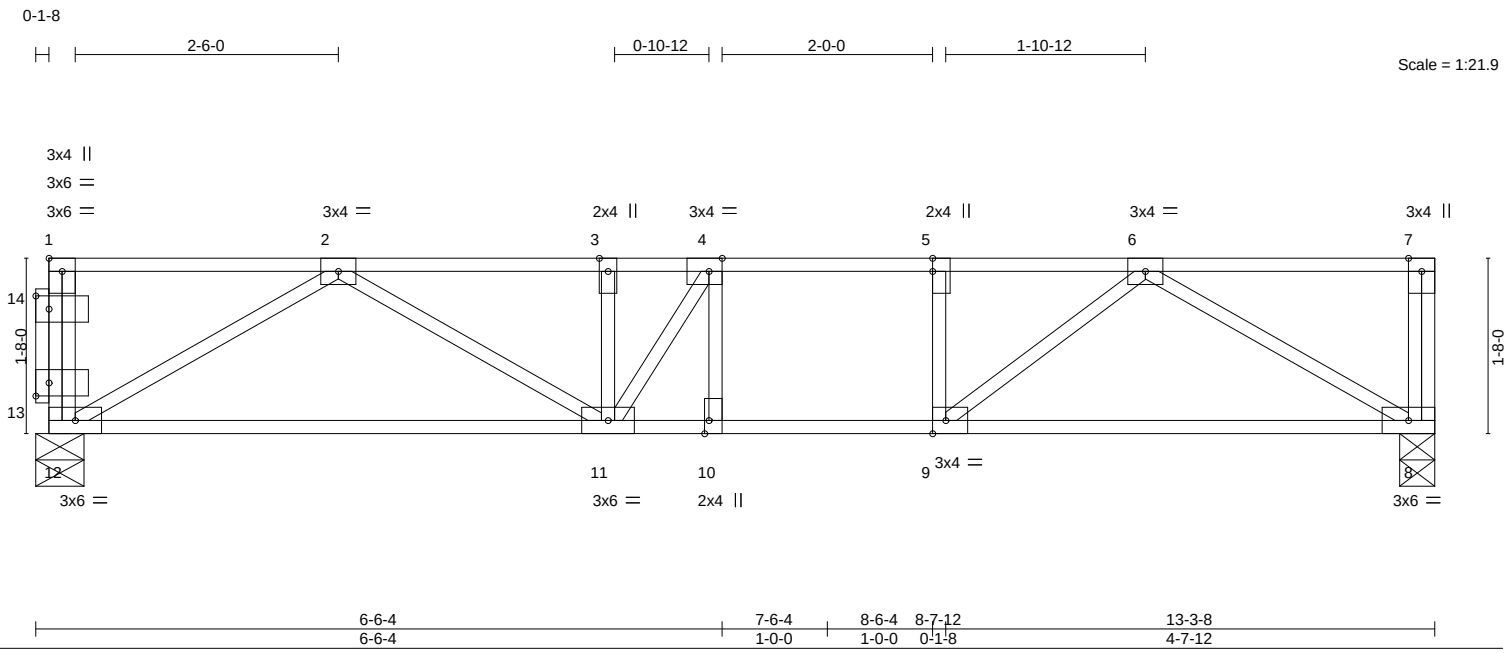


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,0-0-0], [9:0-1-8,Edge], [10:0-1-8,Edge], [13:0-1-8,0-1-8], [14:0-1-8,0-1-8]

LOADING (psf)		SPACING-	1-4-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.43	Vert(LL)	-0.08	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.60	Vert(CT)	-0.10	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.02	8	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 74 lb	FT = 20%F, 11%E

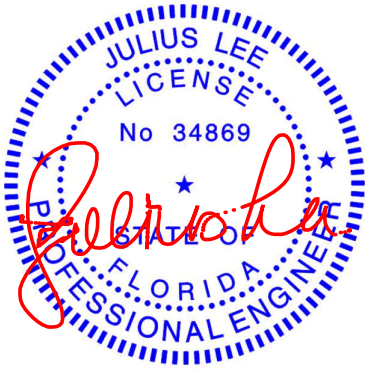
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 12=0-5-8, 8=0-4-0
Max Grav 12=474(LC 1), 8=474(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-981/0, 3-4=-981/0, 4-5=-956/0, 5-6=-956/0
BOT CHORD 11-12=0/665, 10-11=0/956, 9-10=0/956, 8-9=0/664
WEBS 2-12=-772/0, 2-11=0/368, 6-8=-770/0, 6-9=0/415

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.



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

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL10	Floor	4	1	T35865425
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:27 2024 Page 1
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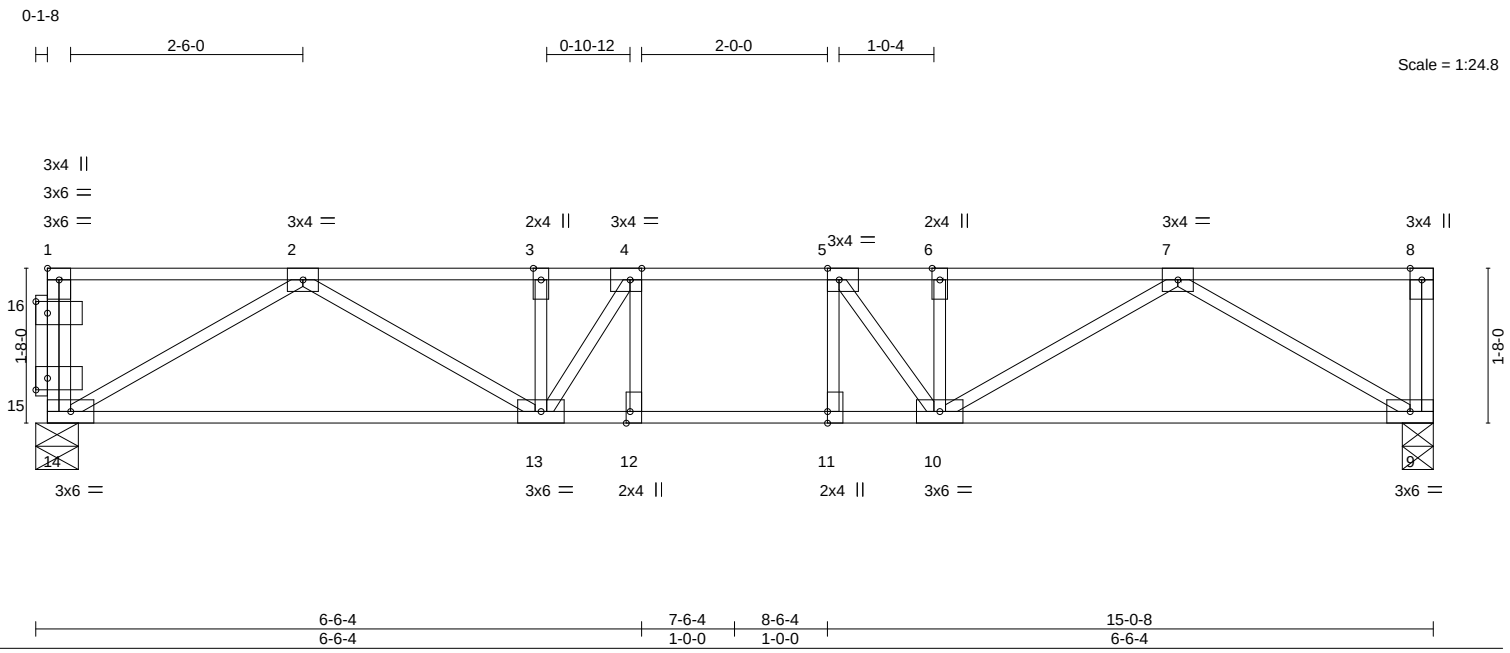


Plate Offsets (X,Y)-- [1:Edge,0-1-8], [4:0-1-8,Edge], [5:0-1-8,Edge], [11:0-1-8,0-0-0], [12:0-1-8,Edge], [15:0-1-8,0-1-8], [16:0-1-8,0-1-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.51	Vert(LL)	-0.10	10-11	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.76	Vert(CT)	-0.13	10-11	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.28	Horz(CT)	0.03	9	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 85 lb	FT = 20%F, 11%E

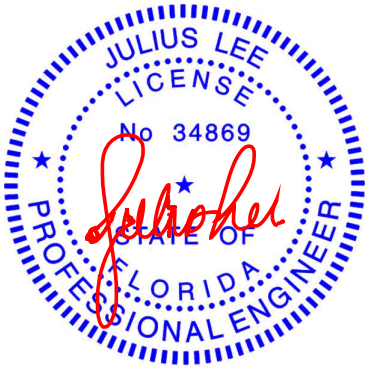
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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) 14=0-5-8, 9=0-4-0
Max Grav 14=807(LC 1), 9=807(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1786/0, 3-4=-1786/0, 4-5=-1892/0, 5-6=-1787/0, 6-7=-1787/0
BOT CHORD 13-14=0/1161, 12-13=0/1892, 11-12=0/1892, 10-11=0/1892, 9-10=0/1161
WEBS 2-14=-1347/0, 2-13=0/729, 4-13=-448/93, 7-9=-1347/0, 7-10=0/730, 5-10=-424/89

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.



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December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL11	Floor	1	1	T35865426
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:28 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-20oHwJw8vMXZxnqme56Fam2cxQ8Atrjhb_YvP?y7hjH

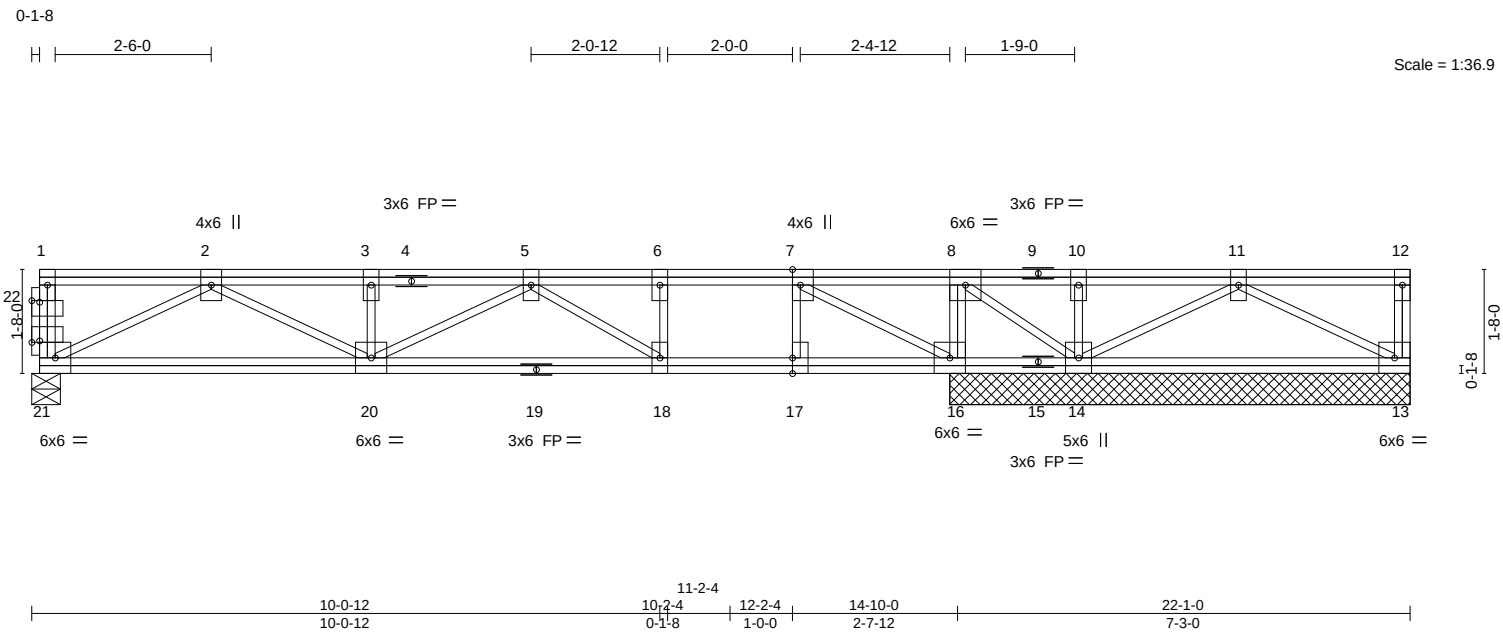


Plate Offsets (X,Y)-- [7:0-3-0,Edge], [17:0-3-0,0-0-0], [21:0-1-8,0-0-5], [22:0-1-8,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.57	Vert(LL)	-0.16	18-20	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.66	Vert(CT)	-0.22	18-20	>811	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.35	Horz(CT)	0.02	13	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 181 lb	FT = 20%F, 11%E

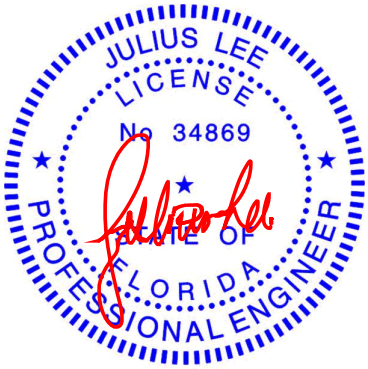
LUMBER-
TOP CHORD 2x4 SP No.2(flat)
BOT CHORD 2x4 SP No.2(flat)
WEBS 2x4 SP No.2(flat)

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, Except: 6-0-0 oc bracing: 14-16.

REACTIONS. All bearings 7-4-8 except (jt=length) 21=0-5-8.
(lb) - Max Grav All reactions 250 lb or less at joint(s) except 13=253(LC 4), 16=887(LC 1), 21=788(LC 3), 14=527(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1927/0, 3-5=-1927/0, 5-6=-1458/0, 6-7=-1458/0
BOT CHORD 20-21=0/1276, 18-20=0/2017, 17-18=0/1458, 16-17=0/1458
WEBS 7-17=0/309, 2-21=-1432/0, 2-20=0/744, 5-18=-692/0, 7-16=-1831/0, 11-13=-265/0, 11-14=-387/0, 10-14=-276/0

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
5) CAUTION, Do not erect truss backwards.



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Date:

December 19,2024

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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL12	Floor	3	1	T35865427
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:29 2024 Page 1
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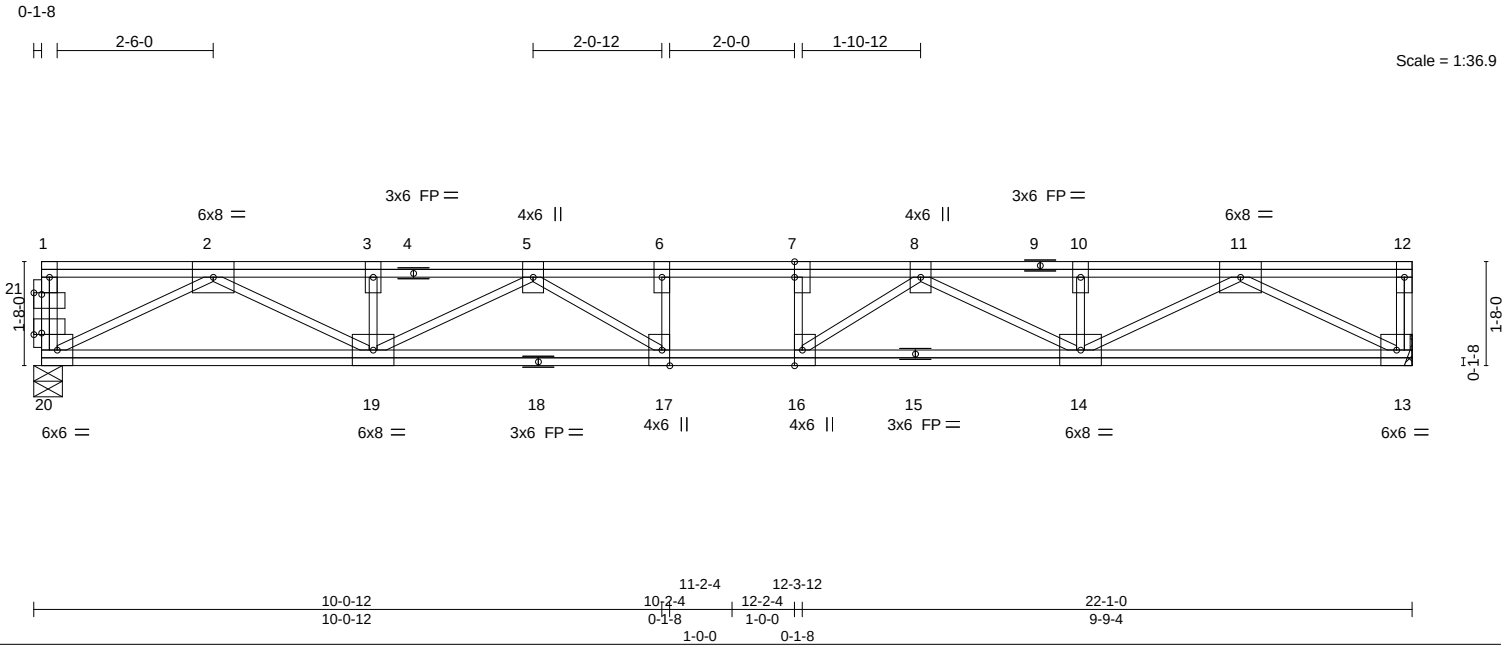


Plate Offsets (X,Y)-- [7:0-3-0,0-0-0], [16:0-3-0,Edge], [17:0-3-0,Edge], [20:0-1-8,0-0-5], [21:0-1-8,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.15	Vert(LL)	-0.19	17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.26	17	>999	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	13	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 178 lb	FT = 20%F, 11%E

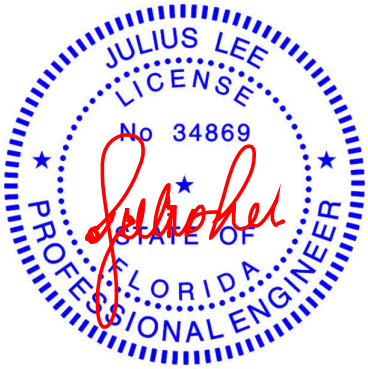
LUMBER-
TOP CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
BOT CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
WEBS 2x4 SP No.2(flat)

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) 13=Mechanical, 20=0-5-8
Max Grav 13=1197(LC 1), 20=1191(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3394/0, 3-5=-3394/0, 5-6=-4553/0, 6-7=-4553/0, 7-8=-4553/0, 8-10=-3366/0, 10-11=-3366/0
BOT CHORD 19-20=0/2023, 17-19=0/4229, 16-17=0/4553, 14-16=0/4213, 13-14=0/1969
WEBS 6-17=-304/0, 7-16=-329/0, 2-20=-2274/0, 2-19=0/1568, 5-19=-953/0, 5-17=-73/747, 11-13=-2237/0, 11-14=0/1596, 10-14=-251/0, 8-14=-968/0, 8-16=-55/764

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Refer to girder(s) for truss to truss connections.
4) Bearing at joint(s) 20 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
6) CAUTION, Do not erect truss backwards.



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Date:

December 19,2024

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	FL13	Floor	3	1	T35865428
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:29 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-WCMf7fxmggfQYxPzCpeU6zatJqaScFKrqeHSxSy7hjG

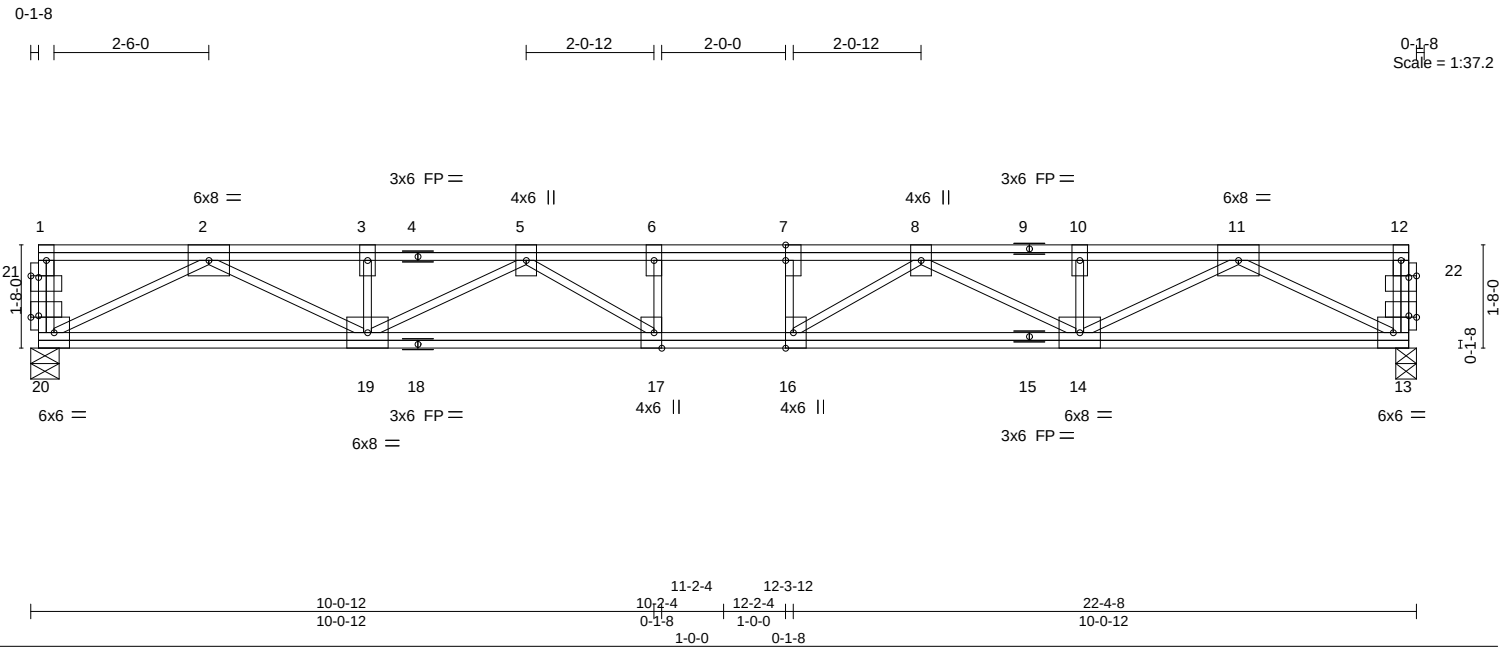


Plate Offsets (X,Y)-- [7:0-3-0,0-0-0], [13:0-1-8,0-0-5], [16:0-3-0,Edge], [17:0-3-0,Edge], [20:0-1-8,0-0-5], [21:0-1-8,0-0-5], [22:0-1-8,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	40.0	Plate Grip DOL	1.00	TC	0.14	Vert(LL)	-0.20	16-17	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.00	BC	0.27	Vert(CT)	-0.27	16-17	>984	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.04	13	n/a	n/a		
BCDL	5.0	Code	FBC2023/TPI2014	Matrix-S							Weight: 180 lb	FT = 20%F, 11%E

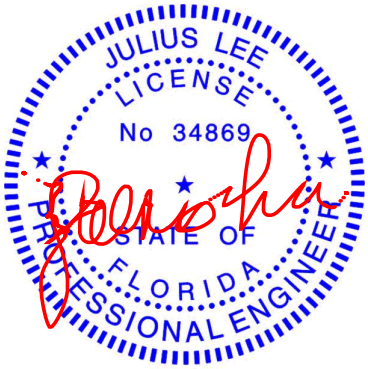
LUMBER-
TOP CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
BOT CHORD 2x4 SP M 31 or 2x4 SP SS(flat)
WEBS 2x4 SP No.2(flat)

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) 20=0-5-8, 13=0-4-0
Max Grav 20=1204(LC 1), 13=1204(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3440/0, 3-5=-3440/0, 5-6=-4651/0, 6-7=-4651/0, 7-8=-4651/0, 8-10=-3440/0, 10-11=-3440/0
BOT CHORD 19-20=0/2046, 17-19=0/4298, 16-17=0/4651, 14-16=0/4298, 13-14=0/2046
WEBS 6-17=-315/0, 7-16=-315/0, 2-20=-2300/0, 2-19=0/1593, 5-19=-980/0, 5-17=-58/779, 11-13=-2300/0, 11-14=0/1593, 8-14=-980/0, 8-16=-58/779

NOTES-
1) Unbalanced floor live loads have been considered for this design.
2) All plates are 3x6 MT20 unless otherwise indicated.
3) Bearing at joint(s) 20, 13 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 oc and fastened to each truss with 3-10d (0.131" X 3") nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.



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Date:

December 19,2024

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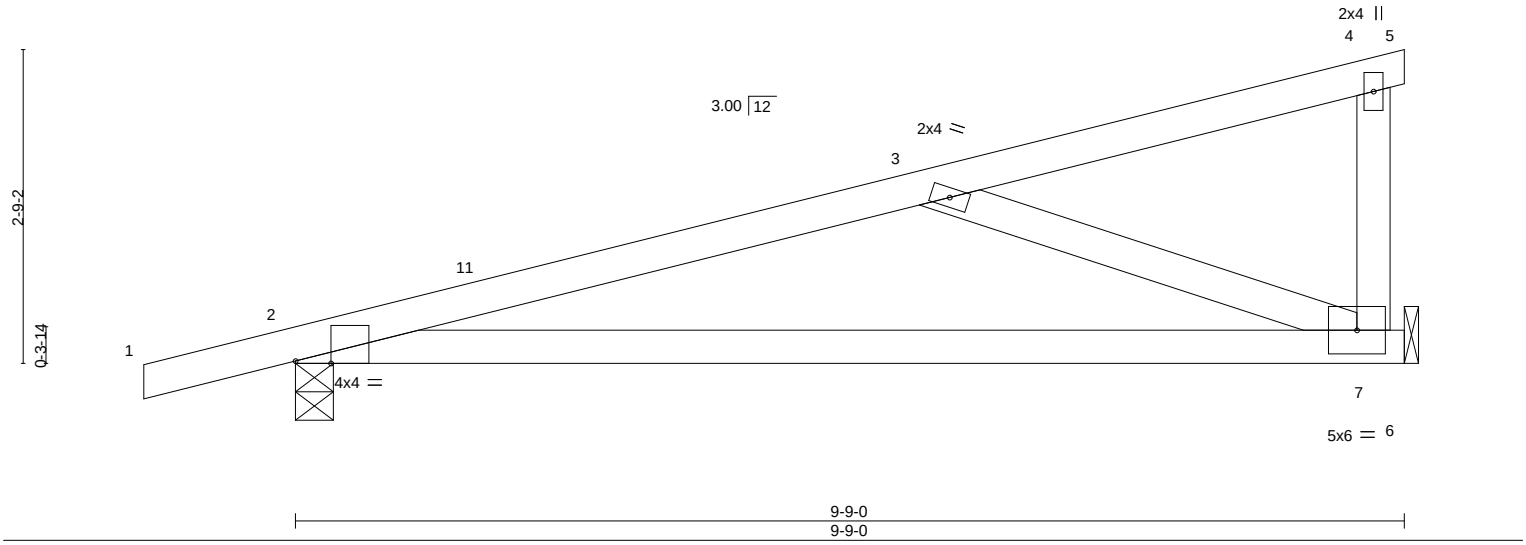
Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	M1	Jack-Closed	11	1	T35865429
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:34 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-tA9YBM?uVCHjfiHw?MDfp1Ic2rCUHbra_v?Dcfy7hjB

-1-4-0 1-4-0 | 5-9-1 5-9-1 | 9-9-0 4-0-0

Scale = 1:20.3



9-9-0
9-9-0

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

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.59	Vert(LL)	-0.15	7-10	>778	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.60	Vert(CT)	-0.31	7-10	>364	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.01	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MS		Wind(LL)	0.04	7-10	>999	240	Weight: 41 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 9-5-5 oc bracing.

REACTIONS. (size) 2=0-4-0, 7=Mechanical
Max Horz 2=96(LC 8)
Max Uplift 2=-105(LC 8), 7=-67(LC 8)
Max Grav 2=465(LC 1), 7=385(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-677/295
BOT CHORD 2-7=-378/647
WEBS 3-7=-615/402

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 9-9-0 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 105 lb uplift at joint 2 and 67 lb uplift at joint 7.

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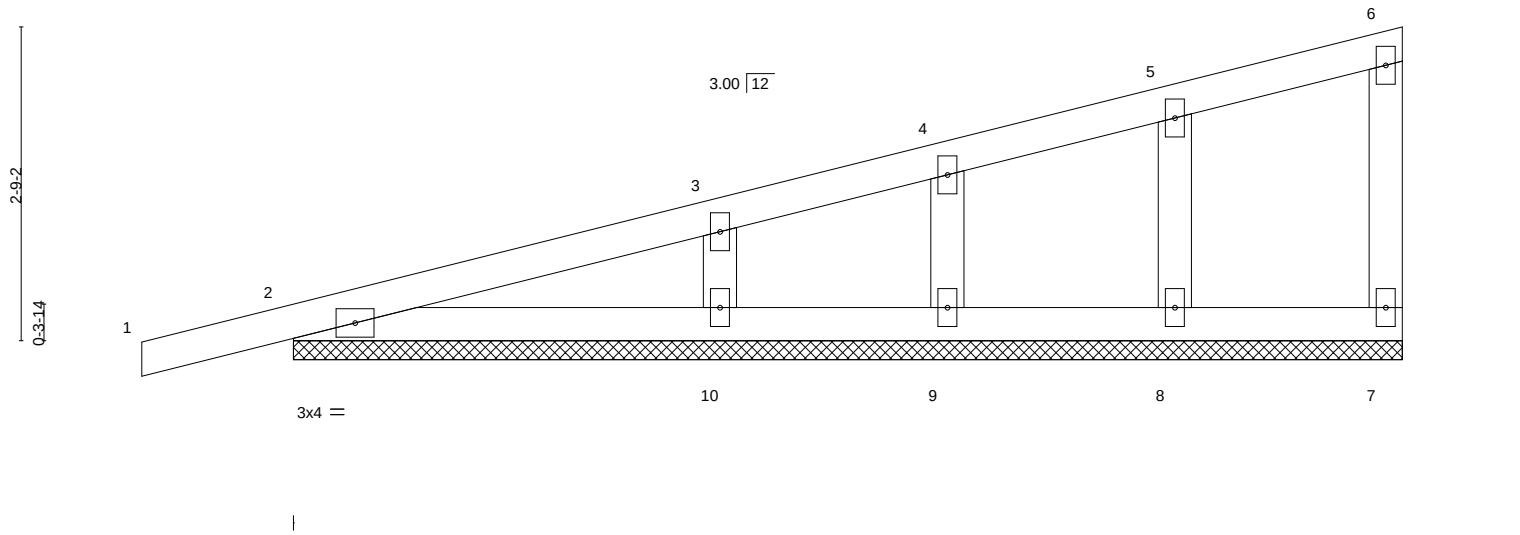
Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	M1X	Monopitch Supported Gable	2	1	T35865430
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:34 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySlOt-tA9YBM?uVCHjfiHw?MDfp1IjorKOHdva_v?Dcfy7hjB

-1-4-0 9-9-0
1-4-0 9-9-0

Scale = 1:20.3



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.16	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-S							Weight: 40 lb	FT = 20%

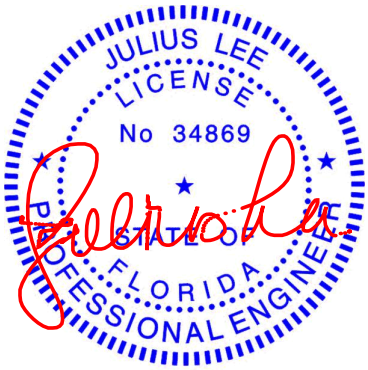
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

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. All bearings 9-9-0.
(lb) - Max Horz 2=94(LC 8)
Max Uplift All uplift 100 lb or less at joint(s) 7, 2, 8, 9, 10
Max Grav All reactions 250 lb or less at joint(s) 7, 2, 8, 9 except 10=276(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 3-10=-199/274

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever 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) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 2, 8, 9, 10.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

December 19,2024

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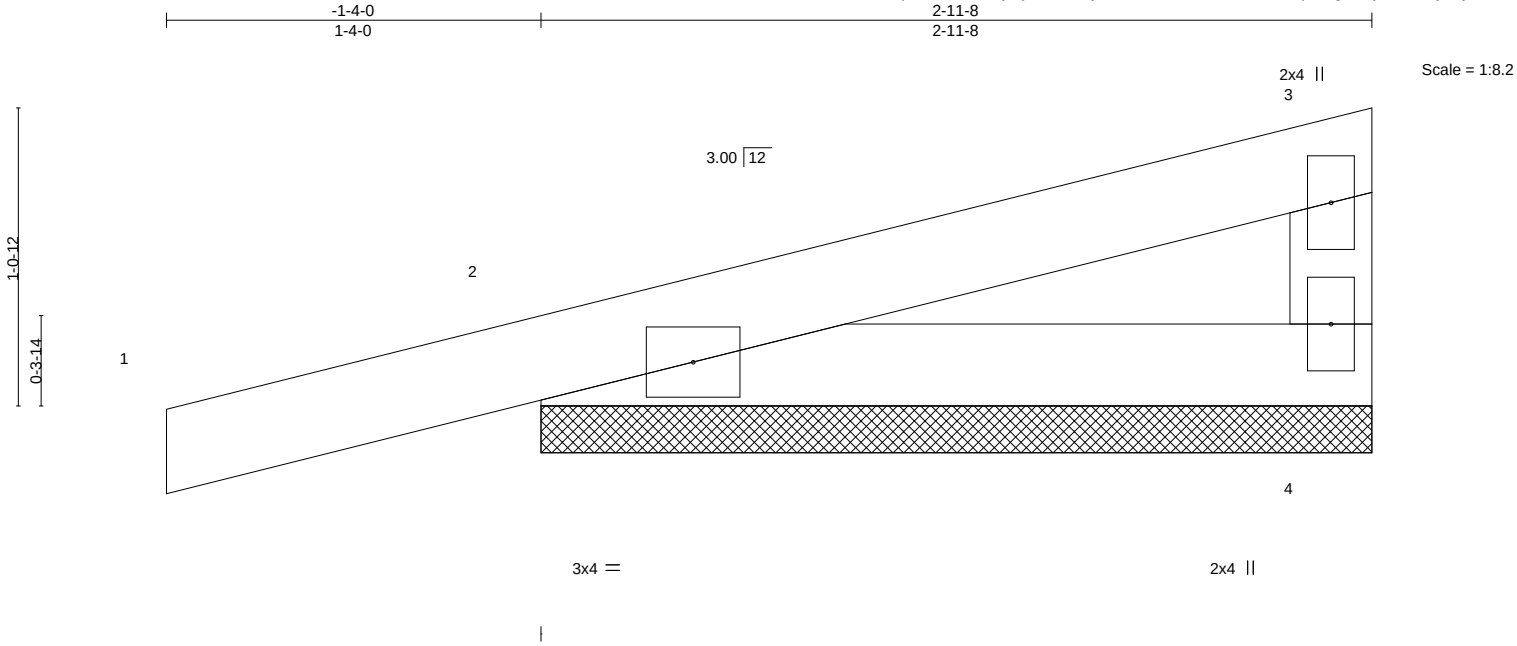
Chesterfield, MO 63017
314.434.1200 / MiTek-US.com

Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	M2	Monopitch Supported Gable	1	1	T35865431
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:35 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-LMjwOi?XGWPaGss7Z3kuMEqu9Fgl04vjCZkn85y7hjA



LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	0.00	1	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-P							Weight: 12 lb	FT = 20%

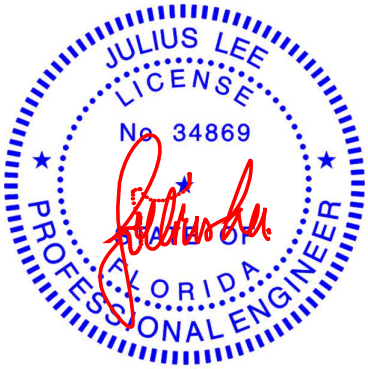
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=2-11-8, 2=2-11-8
Max Horz 2=39(LC 8)
Max Uplift 4=-7(LC 8), 2=-81(LC 8)
Max Grav 4=94(LC 1), 2=211(LC 1)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
4) Gable requires continuous bottom chord bearing.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
9) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



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Job	Truss	Truss Type	Qty	Ply	2705-A-Frame
6243327	M3	Monopitch	3	1	T35865432
					Job Reference (optional)

Tibbetts Lumber Co., LLC (Ocala, FL), Ocala, FL - 34472, 8.730 s Dec 5 2024 MiTek Industries, Inc. Wed Dec 18 15:16:35 2024 Page 1
ID:AU6BiLhJvqNrKonOtnYEyEySIOt-LMjwOi?XGWPaGss7Z3kuMEqu7Fgl04vjCZkn85y7hjA

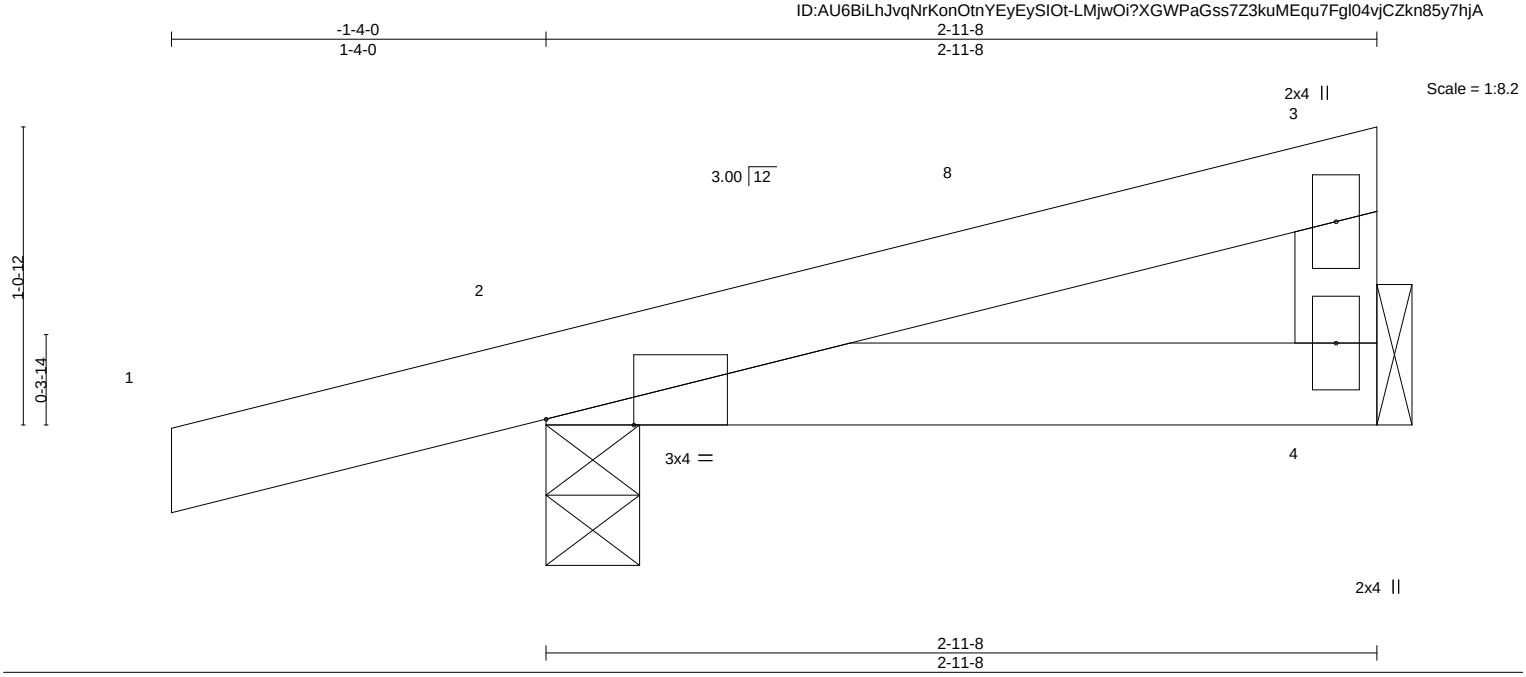


Plate Offsets (X,Y)-- [2:0-3-12,Edge]

LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.19	Vert(LL)	-0.00	7	>999	360	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.00	7	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/TPI2014		Matrix-MP		Wind(LL)	0.00	7	>999	240	Weight: 12 lb	FT = 20%

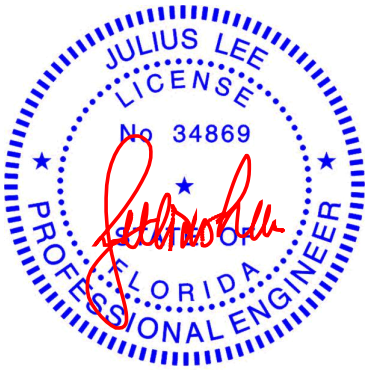
LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 4=Mechanical, 2=0-4-0
Max Horz 2=39(LC 8)
Max Uplift 4=-7(LC 8), 2=-81(LC 8)
Max Grav 4=94(LC 1), 2=211(LC 1)

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

NOTES-
1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=6.0psf; h=30ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Zone3 -1-4-0 to 1-8-0, Zone1 1-8-0 to 2-9-12 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.



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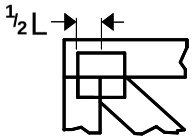
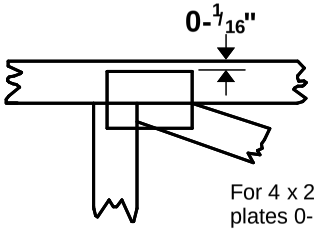
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

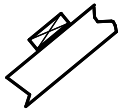
* Plate location details available in MiTek software or upon request.

PLATE SIZE

4 x 4

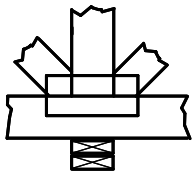
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION



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

BEARING

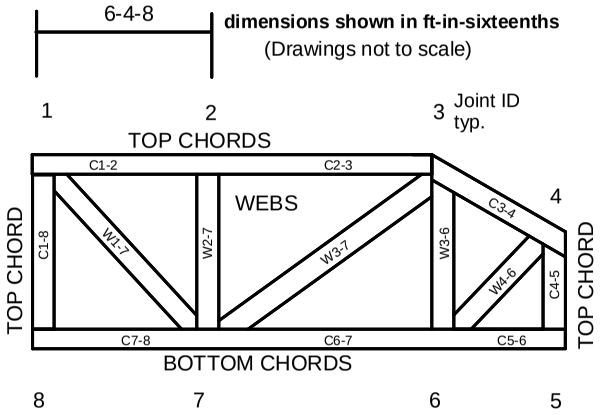


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number/letter where bearings occur. Min size shown is for crushing only.

Industry Standards:

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

Numbering System



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

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

Product Code Approvals

ICC-ES Reports:

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

Design General Notes

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

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

MiTek®

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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