



73

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

RE: Barry - Barry

MiTek USA, Inc.

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Site Information:

Customer Info: BB Homes Project Name: Model:

Lot/Block: Subdivision:

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: FBC2020/TPI2014

Design Program: MiTek 20/20 8.5

Wind Code: ASCE 7-16

Wind Speed: 130 mph

Roof Load: 40.0 psf

Floor Load: N/A psf

This package includes 33 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	T30164925	A01GE	3/28/23	23	T30164947	E01GE	3/28/23
2	T30164926	A02	3/28/23	24	T30164948	E02GIR	3/28/23
3	T30164927	A03	3/28/23	25	T30164949	J1	3/28/23
4	T30164928	A04GE	3/28/23	26	T30164950	J2	3/28/23
5	T30164929	B01GE	3/28/23	27	T30164951	J3	3/28/23
6	T30164930	B02	3/28/23	28	T30164952	M01GE	3/28/23
7	T30164931	B03	3/28/23	29	T30164953	M02	3/28/23
8	T30164932	C01GE	3/28/23	30	T30164954	PB01GE	3/28/23
9	T30164933	C02	3/28/23	31	T30164955	PB02	3/28/23
10	T30164934	C03	3/28/23	32	T30164956	PB03GE	3/28/23
11	T30164935	C04	3/28/23	33	T30164957	PB04	3/28/23
12	T30164936	C05	3/28/23				
13	T30164937	C06	3/28/23				
14	T30164938	C07	3/28/23				
15	T30164939	C08	3/28/23				
16	T30164940	C09	3/28/23				
17	T30164941	C10	3/28/23				
18	T30164942	CJ01	3/28/23				
19	T30164943	D01GE	3/28/23				
20	T30164944	D02	3/28/23				
21	T30164945	D03	3/28/23				
22	T30164946	D04GIR	3/28/23				



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

Truss Design Engineer's Name: Lee, Julius

My license renewal date for the state of Florida is February 28, 2025.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



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

March 28, 2023

Lee, Julius

1 of 1

Job BARRY	Truss A01GE	Truss Type Piggyback Base Structural Gable COMMON II Gable I Gable	Qty 1	Ply 1	Barry	T30164925
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:31 2023 Page 2
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-DGUDrCo8saiN4CgPocZ0RtNk28m72Z?_P3khu4zWfMY

NOTES:-

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 30, 19, 28, 18 except (jt=lb) 2=171.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

March 28, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss A02	Truss Type Piggyback Base	Qty 6	Ply 1	Barry	T30164926
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:33 2023 Page 1

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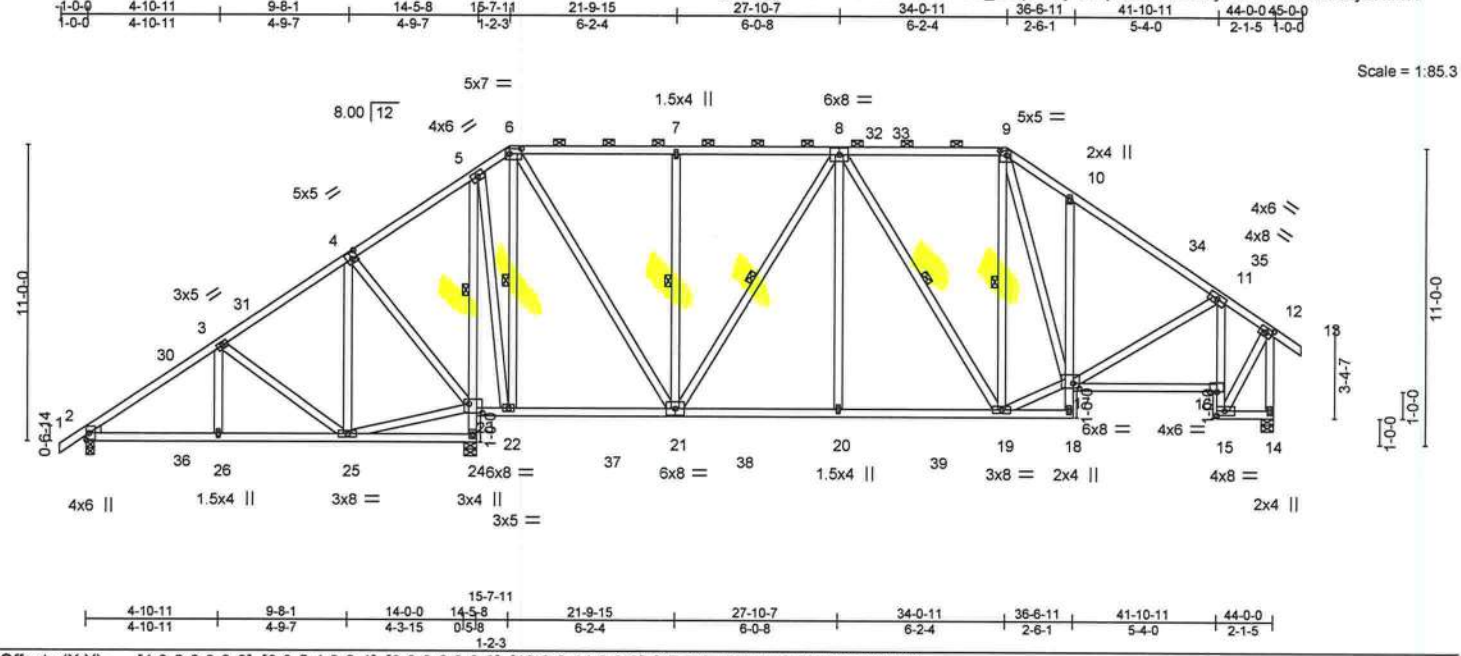


Plate Offsets (X,Y)– [4:0-2-8,0-3-0], [6:0-5-4,0-2-4], [9:0-3-0,0-2-0], [12:0-2-14,0-2-0], [17:0-2-12,0-2-4], [23:0-6-0,0-4-0]											
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d			PLATES GRIP		
TCLL	20.0	Plate Grip DOL 1.25		TC	0.65	Vert(LL)	-0.11 21-22	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL 1.25		BC	0.78	Vert(CT)	-0.20 21-22	>999	180		
BCLL	0.0 *	Rep Stress Incr YES		WB	0.40	Horz(CT)	0.12 14	n/a	n/a		
BCDL	10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 368 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-9-4 max.): 6-9.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied. Except:
WEBS 2x4 SP No.2	1 Row at midpt 5-23
WEDGE	1 Row at midpt 6-22, 7-21, 8-21, 8-19, 9-19
Left: 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 24=0-5-8, 14=0-5-8
 Max Horz 2=248(LC 11)
 Max Uplift 2=132(LC 12), 24=149(LC 12), 14=18(LC 12)
 Max Grav 2=652(LC 23), 24=2008(LC 17), 14=1443(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-761/303, 3-4=-419/203, 5-6=-333/107, 6-7=-848/103, 7-8=-848/103, 8-9=-1000/110, 9-10=-1377/133, 10-11=-1426/60, 11-12=-773/54, 12-14=-1540/17
 BOT CHORD 2-26=-239/637, 25-26=-239/637, 23-24=-1961/287, 5-23=-1547/47, 20-21=0/1070, 19-20=0/1070, 16-17=-12/706, 15-16=-816/0, 11-16=-737/23
 WEBS 3-25=-399/189, 4-25=-230/325, 23-25=-70/380, 4-23=-422/261, 5-22=0/1144, 6-22=-917/18, 6-21=-26/1162, 7-21=-440/86, 8-21=-486/18, 8-20=0/396, 8-19=-277/0, 17-19=0/1063, 9-17=-48/511, 11-17=0/456, 12-15=0/1128

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 3-4-13, Interior(1) 3-4-13 to 15-7-11, Exterior(2R) 15-7-11 to 21-9-15, Interior(1) 21-9-15 to 34-0-11, Exterior(2R) 34-0-11 to 40-3-5, Interior(1) 40-3-5 to 45-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=132, 24=149.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

March 28, 2023

Job BARRY	Truss A03	Truss Type Piggyback Base	Qty 9	Ply 1	Barry	T30164927
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:36 2023 Page 1
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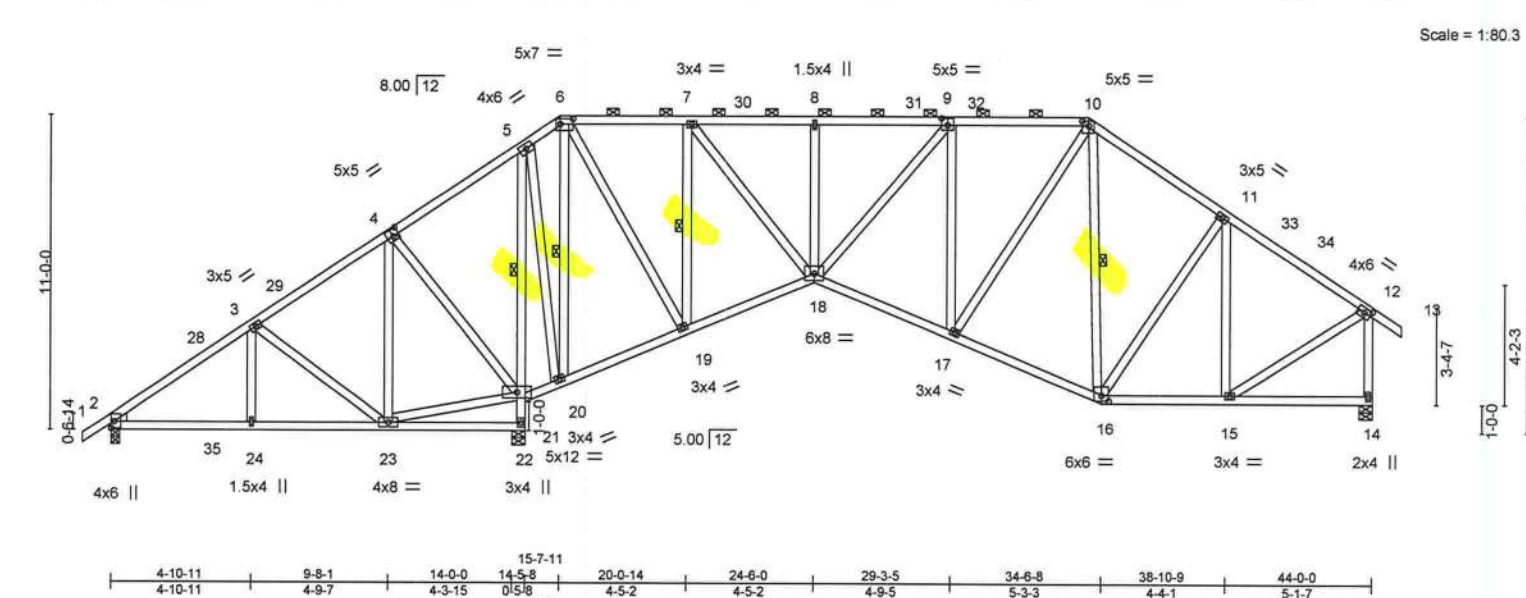


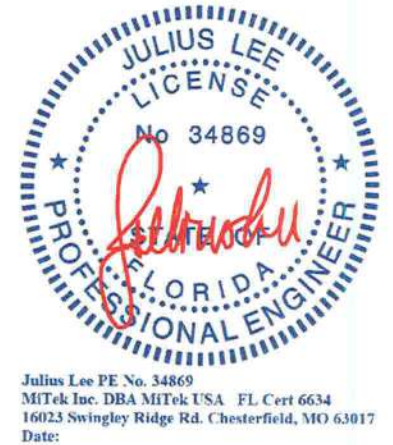
Plate Offsets (X, Y) -		[4:0-2-8,0-3-0], [6:0-5-4,0-2-4], [9:0-2-8,0-3-0], [10:0-2-12,0-2-0], [12:0-2-14,0-2-0], [16:0-3-0,0-2-4]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.40
TCDL 10.0	Lumber DOL	1.25	BC 0.33
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.46
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS
			DEFL. in (loc) l/defl L/d
			Vert(LL) -0.07 18 >999 240
			Vert(CT) -0.13 17-18 >999 180
			Horz(CT) 0.09 14 n/a n/a
			PLATES MT20
			GRIP 244/190
			Weight: 347 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-15 max.); 6-10.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied. Except:
WEBS 2x4 SP No.2	1 Row at midpt 5-21
WEDGE	WEBS 1 Row at midpt 6-20, 7-19, 10-16
Left: 2x4 SP No.2	

REACTIONS. (size) 2=0-3-8, 22=0-5-8, 14=0-5-8
Max Horz 2=248(LC 11)
Max Uplift 2=145(LC 12), 22=129(LC 12), 14=24(LC 12)
Max Grav 2=353(LC 21), 22=2205(LC 1), 14=1119(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=262/334, 3-4=0/317, 4-5=51/662, 5-6=0/289, 6-7=335/70, 7-8=985/14,
8-9=985/14, 9-10=907/72, 10-11=898/116, 11-12=889/69, 12-14=1069/52
BOT CHORD 2-24=252/186, 23-24=252/186, 21-22=2162/270, 5-21=1526/37, 20-21=523/159,
19-20=347/192, 18-19=0/377, 17-18=0/1004, 16-17=0/767, 15-16=0/674
WEBS 3-23=397/185, 4-23=226/383, 4-21=469/261, 5-20=0/1089, 6-20=1183/0,
6-19=0/1126, 7-19=1093/1, 7-18=0/1038, 8-18=300/61, 9-17=335/13, 10-17=0/418,
11-15=314/32, 12-15=0/764

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 3-4-13, Interior(1) 3-4-13 to 15-7-11, Exterior(2R) 15-7-11 to 21-10-6, Interior(1) 21-10-6 to 34-0-11, Exterior(2R) 34-0-11 to 40-3-5, Interior(1) 40-3-5 to 45-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14 except (jt=lb) 2=145, 22=129.
 - 8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

March 28, 2023

Job BARRY	Truss A04GE	Truss Type Piggyback Base Structural Gable COMMON I I Gable I Gable	Qty 1	Ply 1	Barry	T30164928
Job Reference (optional)						

Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:39 2023 Page 1

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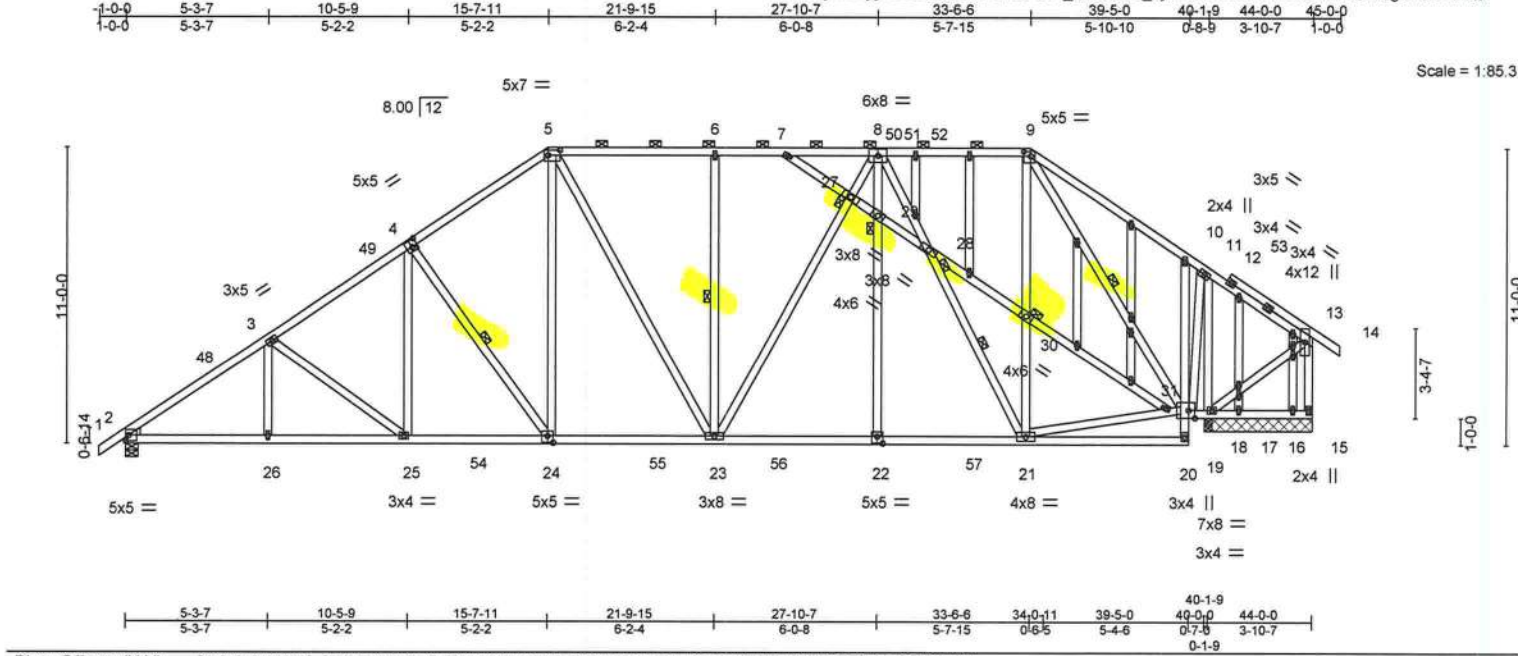


Plate Offsets (X,Y)--		[4:0-2-8,0-3-0], [5:0-5-4,0-2-4], [9:0-3-0,0-2-0], [19:0-2-12,Edge], [22:0-2-8,0-3-0], [24:0-2-8,0-3-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.52
TCDL 10.0	Lumber DOL	1.25	BC 0.80
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.89
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS
		DEFL.	in (loc) l/defl L/d
		Vert(LL)	-0.18 23-24 >999 240
		Vert(CT)	-0.31 23-24 >999 180
		Horz(CT)	0.10 15 n/a n/a
		PLATES	GRIP
		MT20	244/190
		Weight: 421 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied, except end verticals, and
BOT CHORD	2x4 SP No.2	BOT CHORD	2-0-0 oc purlins (4-1-0 max.): 5-9.
WEBS	2x4 SP No.2	WEBS	Rigid ceiling directly applied.
OTHERS	2x4 SP No.2	JOINTS	1 Row at midpt 4-24, 6-23, 21-28, 9-19
WEDGE			1 Brace at Jt(s): 27, 28, 29, 30
Left: 2x4 SP No.2			

REACTIONS. All bearings 4-0-0 except (jt=length) 2=0-5-8.
 (lb) - Max Horz 2=245(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 16 except 15=409(LC 23),
 18=109(LC 12), 17=274(LC 18)
 Max Grav All reactions 250 lb or less at joint(s) 15, 16, 17 except 2=1898(LC 17),
 18=2703(LC 18), 18=2420(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2789/17, 3-4=-2470/54, 4-5=-2028/108, 5-6=-1696/110, 6-7=-1696/110,
 7-8=-1442/78, 8-9=-772/106, 11-13=-61/417, 13-15=-30/356
 BOT CHORD 2-26=-47/2393, 25-26=-47/2393, 24-25=-21/2089, 23-24=0/1726, 22-23=0/1492,
 21-22=0/1492, 20-21=0/354, 18-19=-303/122
 WEBS 3-25=-371/70, 4-25=0/476, 4-24=-630/55, 5-23=-32/252, 6-23=-310/80,
 23-27=0/547, 8-27=0/546, 22-29=0/259, 8-29=0/256, 8-28=-987/0, 21-28=-954/0,
 21-30=0/994, 9-30=0/991, 21-31=0/701, 19-31=0/333, 9-19=-1586/0, 11-19=-41/1216,
 11-18=-1479/28, 13-18=-381/119, 7-27=-311/53, 27-29=-321/52, 28-30=-360/49,
 28-29=-323/51, 30-31=-366/48

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 3-4-13, Interior(1) 3-4-13 to 15-7-11, Exterior(2R) 15-7-11 to 21-9-15, Interior(1) 21-9-15 to 33-6-6, Exterior(2R) 33-6-6 to 39-9-1, Interior(1) 39-9-1 to 45-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) All plates are 1.5x4 MT20 unless otherwise indicated.
 - 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 16 except 15=409(LC 23), 18=109, 17=274.



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

March 28, 2023

Job BARRY	Truss A04GE	Truss Type Piggyback Base Structural Gable COMMON Gable Gable	Qty 1	Ply 1	Barry	T30164928
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:40 2023 Page 2
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-S?XdkHvnlLr5fas7q?D7lmFGmoAfagJTzQgj2zWfMP

NOTES-

- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

March 28, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss B01GE	Truss Type GABLE Gable Gable COMMON	Qty 1	Ply 1	Barry	T30164929
Job Reference (optional)						

Mayo Truss Company, Inc.,
Mayo, FL - 32066,

8.530 s Mar 9 2023
MiTek Industries, Inc.
Mon Mar 27 14:45:43 2023
Page 1
ID:JsjiMRXyynZ1Jac60bHxruRzrX5Y-saDmMJyg1GDgW2biV8nqwPttg_zNs6r19weKKNzWIMM

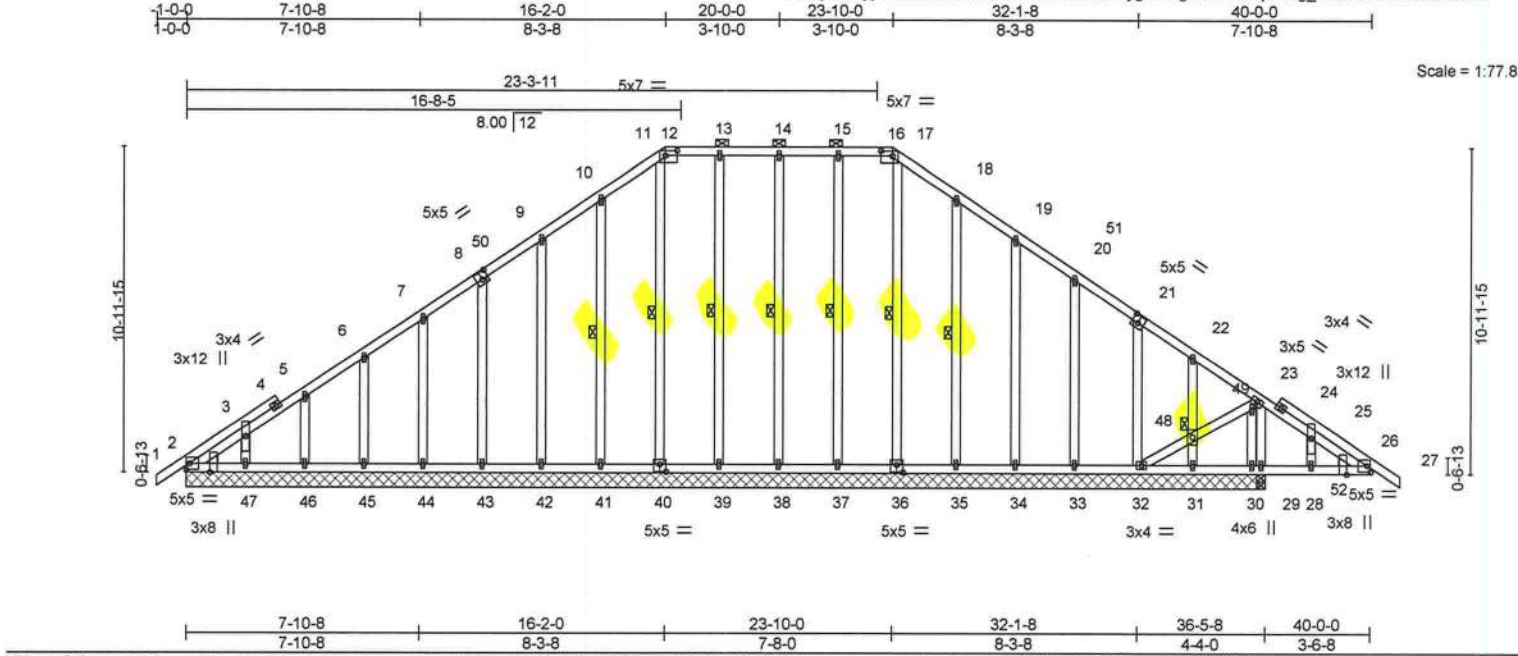


Plate Offsets (X,Y)--	[2:0-3-8,Edge], [8:0-2-8,0-3-0], [12:0-4-12,0-2-0], [16:0-4-12,0-2-0], [21:0-2-8,0-3-0], [26:0-3-8,Edge], [36:0-2-8,0-3-0], [40:0-2-8,0-3-0]									
LOADING (psf)	SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25		TC 0.16		Vert(LL) -0.00 41 >999 240				MT20	244/190
TCDL 10.0	Lumber DOL 1.25		BC 0.13		Vert(CT) -0.00 41 >999 180					
BCLL 0.0 *	Rep Stress Incr YES		WB 0.16		Horz(CT) 0.01 29 n/a n/a					
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 335 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD
BOT CHORD 2x4 SP No.2	Structural wood sheathing directly applied, except
WEBS 2x4 SP No.2	2-0-0 oc purlins (6-0-0 max.): 12-16.
OTHERS 2x4 SP No.2	BOT CHORD
WEDGE	WEBS
Left: 2x4 SP No.2, Right: 2x4 SP No.2	1 Row at midpt
	14-38, 13-39, 11-40, 10-41, 15-37, 17-36,
	18-35
	JOINTS
	1 Brace at Jt(s): 48

REACTIONS. All bearings 36-5-8.
 (lb) - Max Horz 2=225(LC 11)
 Max Uplift All uplift 100 lb or less at joint(s) 2, 29, 32, 38, 41, 42, 43, 44, 45, 46, 47, 35, 34, 33, 31, 30
 Max Grav All reactions 250 lb or less at joint(s) 2, 32, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 37, 36, 35, 34, 33, 31, 30 except 29=707(LC 1), 29=707(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 23-25=-167/391, 25-26=-169/342
 BOT CHORD 31-32=-285/183, 30-31=-285/183, 29-30=-285/183, 28-29=-285/183, 26-28=-286/188
 WEBS 23-29=-423/140, 32-48=-92/313, 48-49=-93/317, 23-49=-79/275

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 3-0-0, Interior(1) 3-0-0 to 16-2-0, Exterior(2R) 16-2-0 to 22-0-0, Interior(1) 22-0-0 to 23-10-0, Exterior(2R) 23-10-0 to 29-5-14, Interior(1) 29-5-14 to 41-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 29, 32, 38, 41, 42, 43, 44, 45, 46, 47, 35, 34, 33, 31, 30.
 - This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

March 28,2023

Job BARRY	Truss B02	Truss Type Piggyback Base	Qty 5	Ply 1	Barry	T30164930
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:45 2023 Page 1

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1-0-0 5-3-7 10-5-9 15-7-11 20-0-0 24-4-5 29-6-7 34-8-9 40-0-0
1-0-0 5-3-7 5-2-2 5-2-2 4-4-5 4-4-5 5-2-2 5-2-2 5-3-7

Scale = 1:71.9

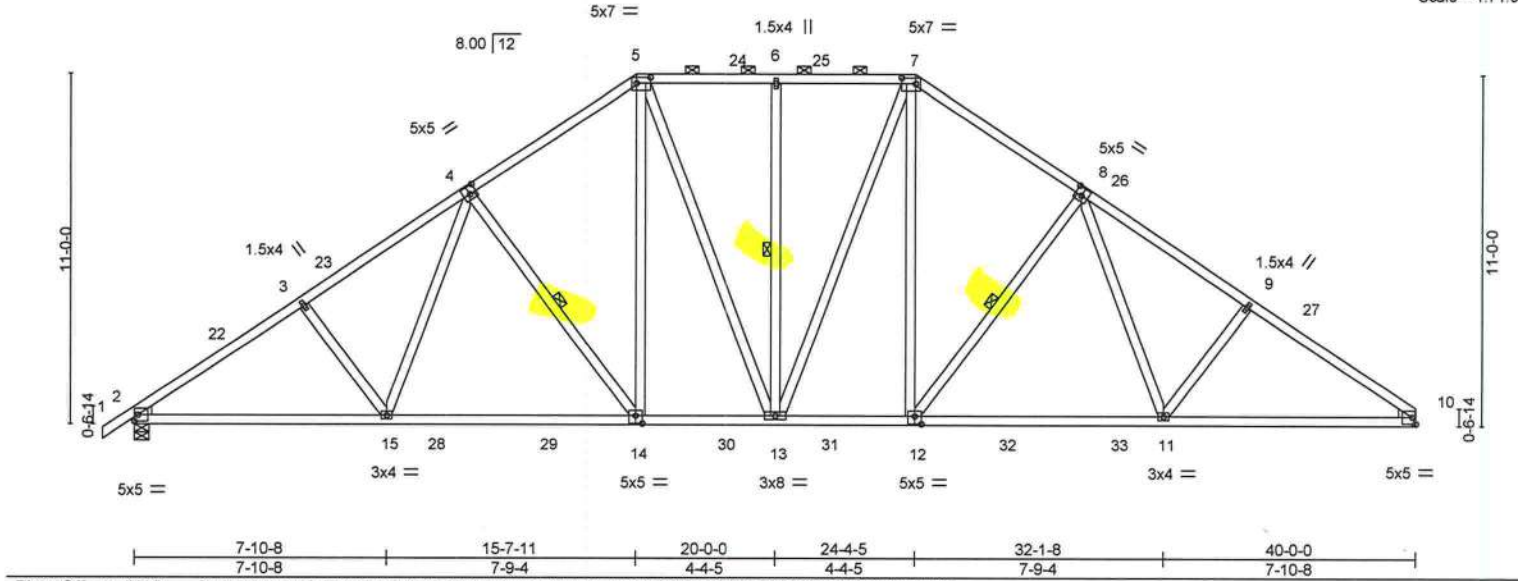


Plate Offsets (X,Y)--		[4:0-2-8,0-3-0], [5:0-5-4,0-2-4], [7:0-5-4,0-2-4], [8:0-2-8,0-3-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]																	
LOADING (psf)		SPACING-		2-0-0		CSI.		DEFL.		in (loc)		l/defl		L/d		PLATES		GRIP	
TCLL 20.0		Plate Grip DOL		1.25		TC 0.48		Vert(LL)		-0.31 14-15		>999		240		MT20		244/190	
TCDL 10.0		Lumber DOL		1.25		BC 0.99		Vert(CT)		-0.54 14-15		>895		180					
BCLL 0.0 *		Rep Stress Incr		YES		WB 0.21		Horz(CT)		0.13 10		n/a		n/a					
BCDL 10.0		Code		FBC2020/TPI2014		Matrix-AS										Weight: 272 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except
BOT CHORD 2x4 SP No.2	2-0-0 oc purlins (4-4-5 max.): 5-7.
WEBS 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEDGE	WEBS 1 Row at midpt 4-14, 6-13, 8-12
Left: 2x4 SP No.2, Right: 2x4 SP No.2	

REACTIONS. (size) 2=0-5-8, 10=Mechanical
Max Horz 2=217(LC 11)
Max Uplift 2=-24(LC 12)
Max Grav 2=1920(LC 17), 10=1864(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2828/40, 3-4=-2690/68, 4-5=-2060/120, 5-6=-1745/125, 6-7=-1745/125, 7-8=-2061/120, 8-9=-2696/70, 9-10=-2834/42
BOT CHORD 2-15=0/2425, 14-15=0/2097, 13-14=0/1753, 12-13=0/1696, 11-12=0/1961, 10-11=0/2276
WEBS 4-15=0/559, 4-14=-582/70, 5-14=-0/679, 5-13=-23/341, 6-13=-258/51, 7-13=-23/340, 7-12=-1/680, 8-12=-584/71, 8-11=0/565, 9-11=-251/108

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 3-0-0, Interior(1) 3-0-0 to 15-7-11, Exterior(2R) 15-7-11 to 21-3-9, Interior(1) 21-3-9 to 24-4-5, Exterior(2R) 24-4-5 to 30-0-3, Interior(1) 30-0-3 to 40-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
 - 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
 - 10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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

March 28, 2023

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss C02	Truss Type Roof Special	Qty 1	Ply 1	Barry	T30164933
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:45:54 2023 Page 1

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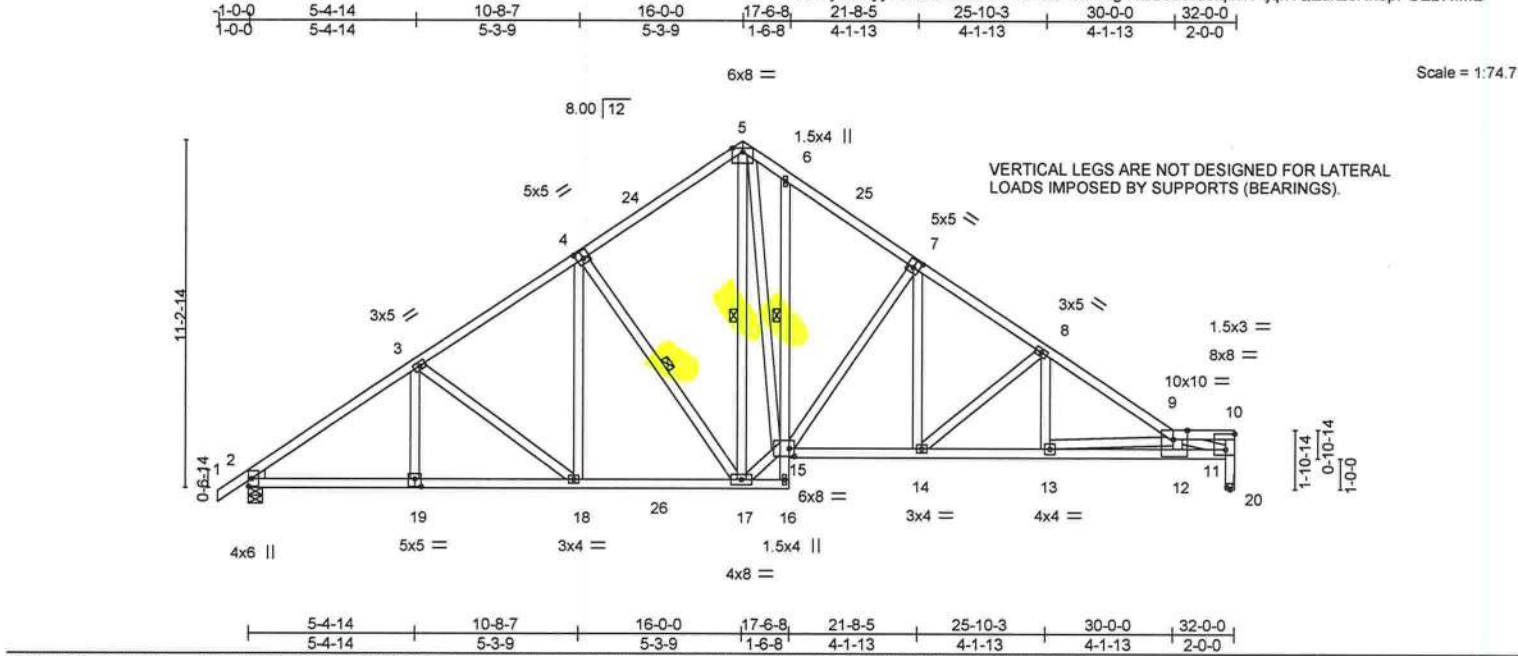


Plate Offsets (X,Y)--		[4:0-2-8,0-3-0], [7:0-2-8,0-3-0], [9:0-5-8,Edge], [10:Edge,0-6-0], [15:0-2-0,0-3-0], [19:0-2-8,0-3-0], [20:0-1-4,0-1-0]									
LOADING (psf)		SPACING- 2-0-0		CSI.		DEFL. in (loc) l/defl L/d				PLATES GRIP	
TCLL 20.0		Plate Grip DOL 1.25		TC 0.41		Vert(LL) -0.15 14-15 >999 240				MT20 244/190	
TCDL 10.0		Lumber DOL 1.25		BC 0.78		Vert(CT) -0.28 14-15 >999 180					
BCLL 0.0 *		Rep Stress Incr YES		WB 0.63		Horz(CT) 0.21 20 n/a n/a					
BCDL 10.0		Code FBC2020/TPI2014		Matrix-AS						Weight: 234 lb FT = 20%	

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2 *Except*	BOT CHORD Rigid ceiling directly applied. Except:
11-15: 2x4 SP No.1	1 Row at midpt 6-15
WEBS 2x4 SP No.2	WEBS 1 Row at midpt 4-17, 5-17
WEDGE	
Left: 2x4 SP No.2	

REACTIONS. (size) 2=0-5-8, 20=Mechanical
 Max Horz 2=236(LC 11)
 Max Uplift 2=24(LC 12)
 Max Grav 2=1478(LC 17), 20=1397(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2082/76, 3-4=-1731/106, 4-5=-1312/156, 5-6=-1450/179, 6-7=-1538/143, 7-8=-1969/108, 8-9=-2523/81, 9-10=-464/22, 11-20=-1397/26
BOT CHORD 2-19=-78/1813, 18-19=-78/1813, 17-18=-8/1471, 14-15=-9/1606, 13-14=-63/2084, 12-13=-119/3441, 11-12=-107/3398
WEBS 3-18=-418/86, 4-18=0/479, 4-17=-624/72, 15-17=0/1299, 5-15=-48/1324, 7-15=-657/59, 7-14=0/584, 8-14=-699/70, 8-13=0/434, 9-13=-1400/56, 9-11=-3130/51

- NOTES-**
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 31-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 4) Provide adequate drainage to prevent water ponding.
 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 7) Refer to girder(s) for truss to truss connections.
 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

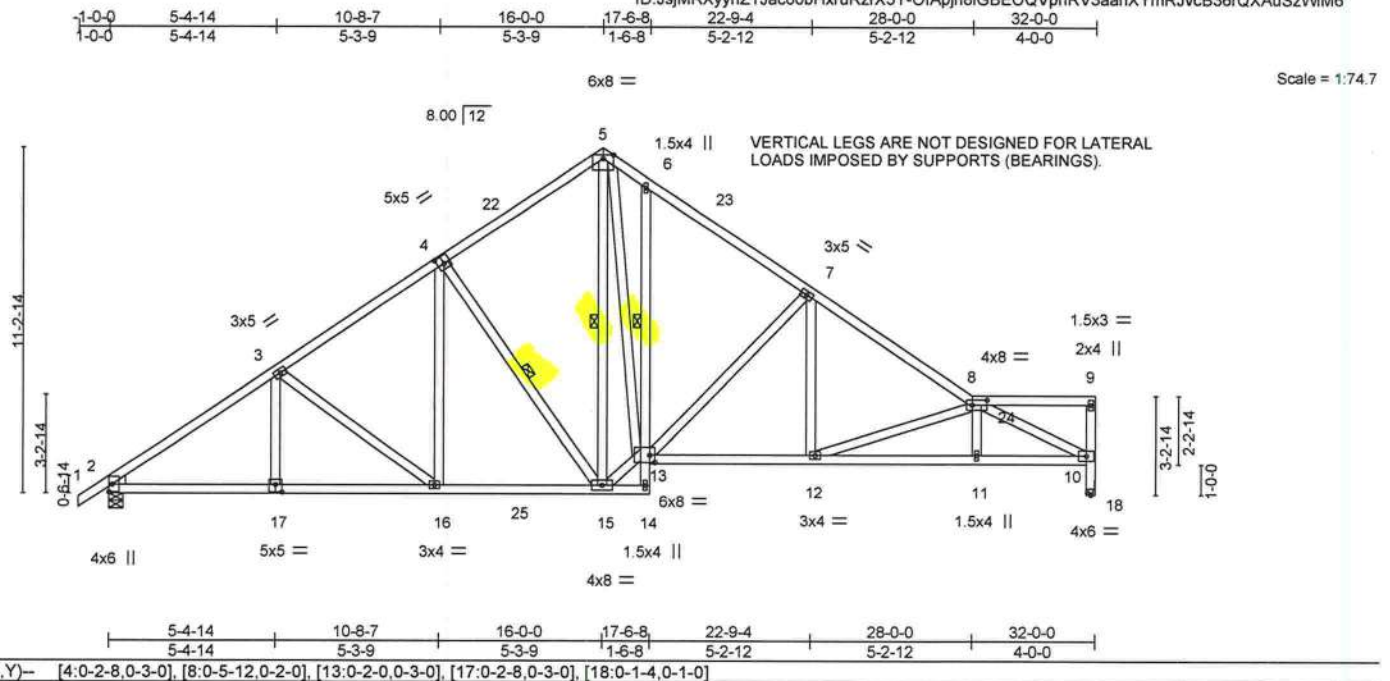


Julius Lee PE No. 34869
 MiTek Inc. DBA MiTek USA FL Cert 6634
 16023 Swingley Ridge Rd. Chesterfield, MO 63017
 Date:

March 28,2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

16023 Swingley Ridge Rd
 Chesterfield, MO 63017



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 0.41	Vert(LL) -0.14 12-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.66	Vert(CT) -0.26 12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.78	Horz(CT) 0.15 18	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS				Weight: 230 lb	FT = 20%

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

BRACING-	
TOP CHORD	Structural wood sheathing directly applied, except end verticals.
BOT CHORD	Rigid ceiling directly applied. Except:
	1 Row at midpt 6-13
WEBS	1 Row at midpt 4-15, 5-15

REACTIONS. (size) 2=0-5-8, 18=Mechanical
Max Horz 2=251(LC 11)
Max Uplift 2=-24(LC 12)
Max Grav 2=1480(LC 17), 18=1383(LC 18)

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

TOP CHORD 2-3=-2085/77, 3-4=-1733/107, 4-5=-1311/158, 5-6=-1451/179, 6-7=-1587/140,
7-8=-2112/87, 10-18=-1383/30

BOT CHORD 2-17=-132/1813, 16-17=-132/1813, 15-16=-63/1471, 12-13=-83/1740, 11-12=-111/2429,
10-11=-106/2438

WEBS 3-16=-418/86, 4-16=0/479, 4-15=-623/72, 13-15=0/1321, 5-13=-74/1327, 7-13=-748/75,
7-12=0/497, 8-12=-785/50, 8-10=-2656/62

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCdL=6.0psf; BCdL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCp=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 31-10-4 zone; cantilever left and right exposed ; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCdL = 10.0psf.
- 7) Refer to girder(s) for truss to truss connections.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
- 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 28, 2023

 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for the individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss C04	Truss Type Roof Special	Qty 1	Ply 1	Barry	T30164935
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Mayo Truss Company, Inc.,
Mayo, FL - 32066,

8.530 s Mar 9 2023
MiTek Industries, Inc.
Mon Mar 27 14:46:01 2023
Page 1
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1-0-0
5-4-14
10-8-7
16-0-0
17-6-8
21-9-4
26-0-0
32-0-0

1-0-0
5-4-14
5-3-9
5-3-9
1-6-8
4-2-12
4-2-12
6-0-0

6x8 =

8.00
12

5x5 =

1.5x4 ||

23

3x5 =

1.5x3 =

3x4 ||

4x12 =

11-2-14

4-6-14

0-6-14

1-2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

24

25

4x6 ||

5x5 =

3x4 =

6x8 =

1.5x4 ||

4x8 =

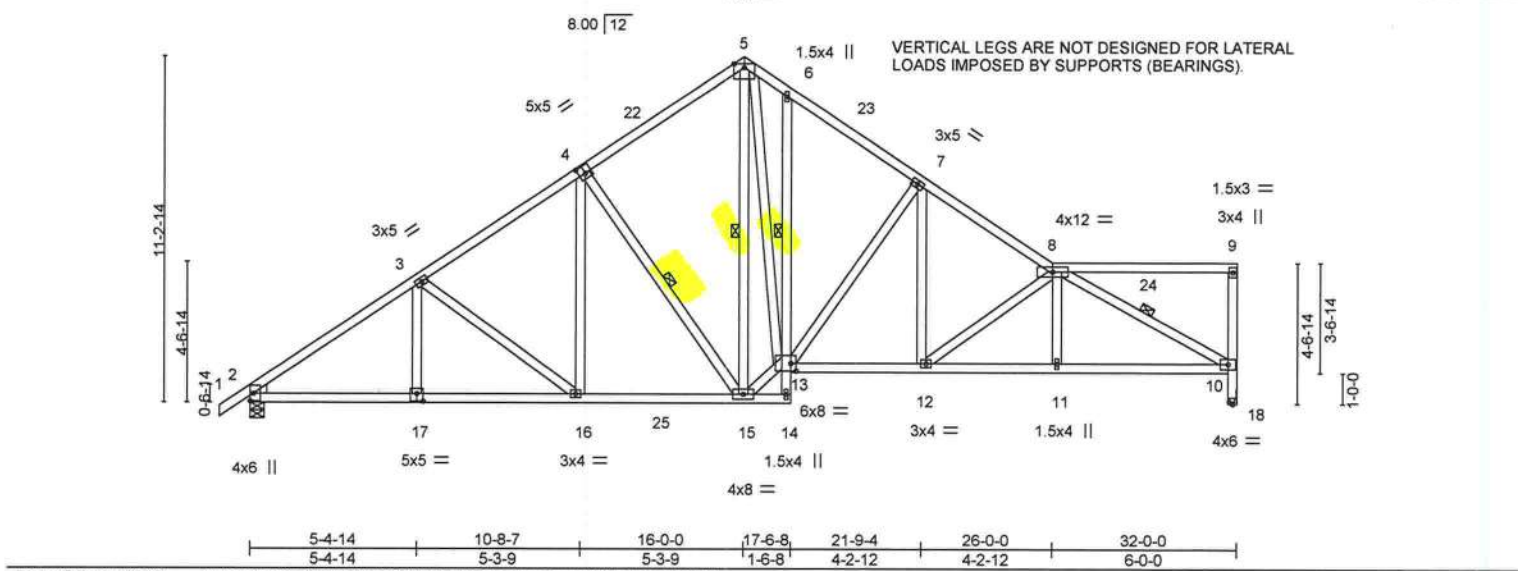
4-6-14

3-6-14

1-0-0

5-4-14
5-4-14
10-8-7
5-3-9
16-0-0
5-3-9
17-6-8
1-6-8
21-9-4
4-2-12
26-0-0
4-2-12
32-0-0
6-0-0

Plate Offsets (X,Y)--
[4:0-2-8,0-3-0], [13:0-2-0,0-3-0], [17:0-2-8,0-3-0], [18:0-1-4,0-1-0]



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.48	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.60	Vert(LL) -0.12 12-13 >999 240		
BCCL 0.0 *	Lumber DOL 1.25	WB 0.67	Vert(CT) -0.23 12-13 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.14 18 n/a n/a		
	Code FBC2020/TPI2014			Weight: 237 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied. Except:
WEBS 2x4 SP No.2	1 Row at midpt 6-13
WEDGE	WEBS 1 Row at midpt 4-15, 5-15, 8-10
Left: 2x4 SP No.2	

REACTIONS. (size) 2=0-5-8, 18=Mechanical
Max Horz 2=266(LC 11)
Max Uplift 2=-23(LC 12)
Max Grav 2=1482(LC 17), 18=1387(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2089/79, 3-4=-1737/109, 4-5=-1309/160, 5-6=-1436/175, 6-7=-1569/137, 7-8=-1987/94, 10-18=-1387/37
BOT CHORD 2-17=-183/1814, 16-17=-183/1814, 15-16=-114/1472, 12-13=-119/1641, 11-12=-124/2073, 10-11=-121/2081
WEBS 3-16=-417/87, 4-16=-623/72, 13-15=-55/1304, 5-13=-90/1291, 7-13=-695/75, 7-12=0/532, 8-12=-597/49, 8-10=-2301/67

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 31-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
 - 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

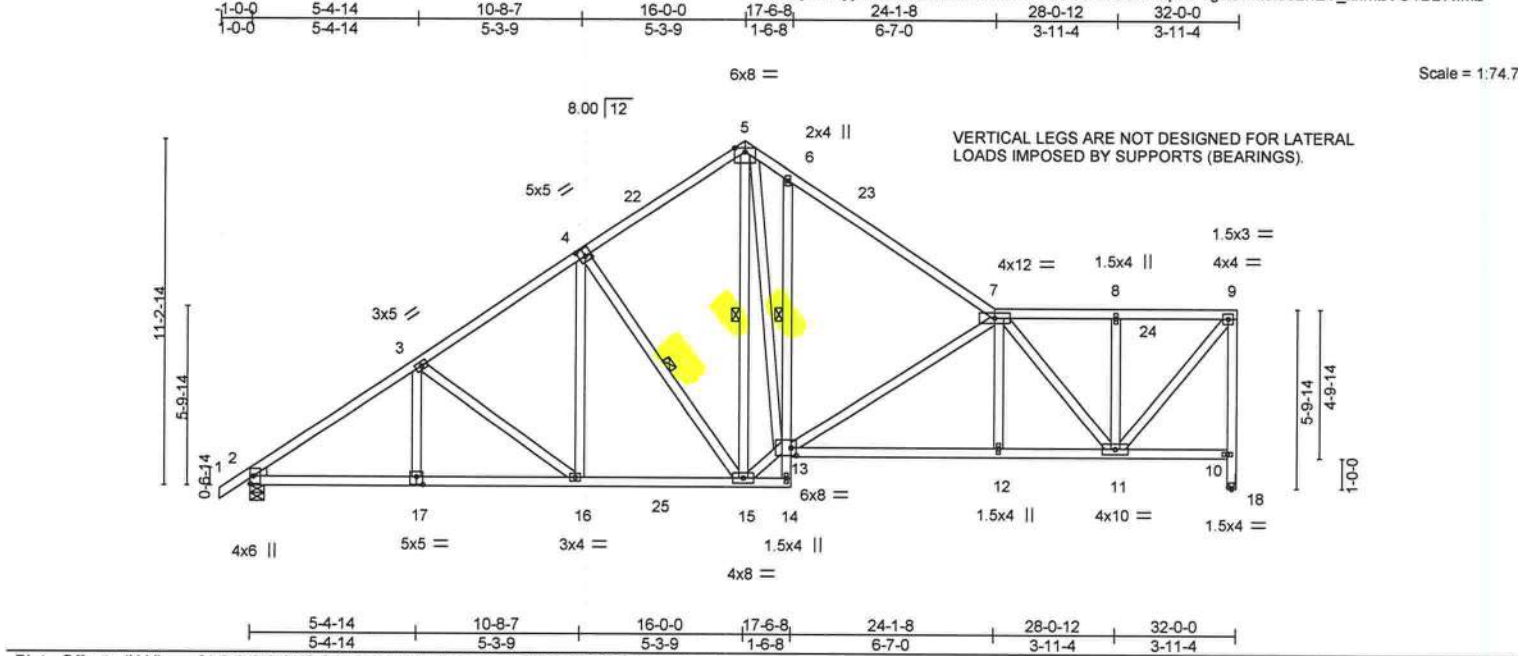


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 28,2023

Job BARRY	Truss C05	Truss Type Roof Special	Qty 1	Ply 1	Barry	T30164936
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:03 2023 Page 1
 ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-HQKQZ8BDKPkqv67YgK8VWkdi992hEY_khm2VO1DzWmM2



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.77	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.63	Vert(LL) -0.14 12-13 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.86	Vert(CT) -0.28 12-13 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.12 18 n/a n/a		
	Code FBC2020/TPI2014			Weight: 239 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied. Except:
WEBS 2x4 SP No.2	1 Row at midpt 6-13
WEDGE	WEBS 1 Row at midpt 4-15, 5-15
Left: 2x4 SP No.2	

REACTIONS. (size) 2=0-5-8, 18=Mechanical
 Max Horz 2=280(LC 11)
 Max Uplift 2=-23(LC 12), 18=-1(LC 12)
 Max Grav 2=1485(LC 17), 18=1397(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 2-3=-2094/82, 3-4=-1742/112, 4-5=-1307/162, 5-6=-1505/201, 6-7=-1625/118,
 7-8=-1047/79, 8-9=-1047/79, 10-18=-1397/46, 9-10=-1322/62
 BOT CHORD 2-17=-227/1816, 16-17=-227/1816, 15-16=-157/1474, 6-13=-297/136, 12-13=-149/1875,
 11-12=-147/1882
 WEBS 3-16=-417/87, 4-16=0/477, 4-15=-623/72, 13-15=-73/1385, 5-13=-125/1415,
 7-13=-751/78, 7-11=-1245/55, 9-11=-58/1608

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 31-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 18.
 - 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 28, 2023

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 Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss C08	Truss Type Roof Special	Qty 1	Ply 1	Barry	T30164939
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:09 2023 Page 1
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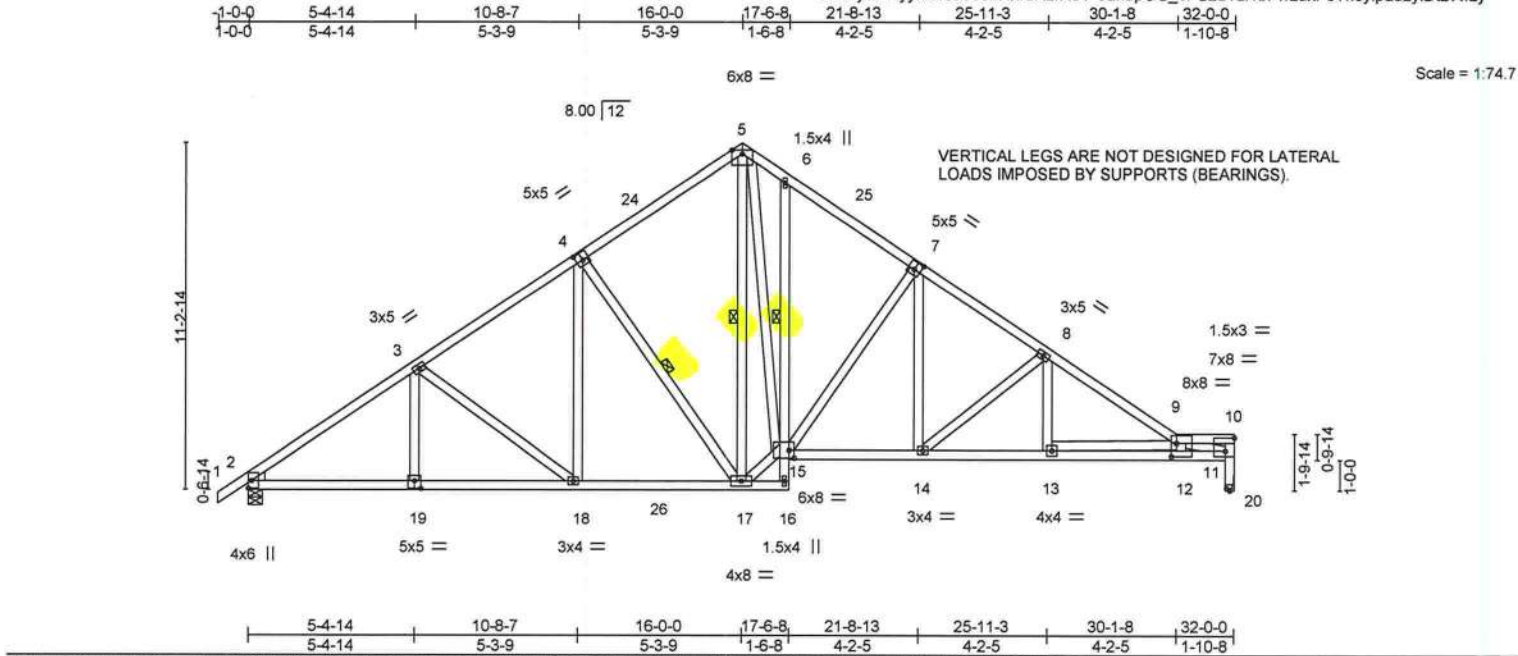


Plate Offsets (X,Y)--		[4:0-2-8,0-3-0], [7:0-2-8,0-3-0], [9:0-2-0,0-5-0], [10:Edge,0-5-0], [15:0-2-0,0-3-0], [19:0-2-8,0-3-0], [20:0-1-4,0-1-0]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.44
TCDL 10.0	Lumber DOL	1.25	BC 0.60
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.63
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-AS
DEFL.	in (loc)	l/defl	L/d
Vert(LL)	-0.15 14-15	>999	240
Vert(CT)	-0.28 14-15	>999	180
Horz(CT)	0.21 20	n/a	n/a
PLATES	GRIP		
MT20	244/190		
Weight: 234 lb		FT = 20%	

LUMBER-	BRACING-
TOP CHORD	TOP CHORD
2x4 SP No.2 *Except*	Structural wood sheathing directly applied, except end verticals.
9-10: 2x4 SP No.1	
BOT CHORD	BOT CHORD
2x4 SP No.2 *Except*	Rigid ceiling directly applied. Except:
11-15: 2x4 SP SS	1 Row at midpt 6-15
WEBS	WEBS
2x4 SP No.2 *Except*	1 Row at midpt 4-17, 5-17
10-20: 2x4 SP SS	
WEDGE	
Left: 2x4 SP No.2	

REACTIONS. (size) 2=0-5-8, 20=Mechanical
Max Horz 2=235(LC 11)
Max Uplift 2=-24(LC 12)
Max Grav 2=1478(LC 17), 20=1398(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2082/76, 3-4=-1731/106, 4-5=-1312/156, 5-6=-1451/180, 6-7=-1538/143,
7-8=-1975/107, 8-9=-2544/81, 9-10=-652/29, 11-20=-1398/26
BOT CHORD 2-19=-74/1813, 18-19=-74/1813, 17-18=-5/1471, 14-15=-5/1609, 13-14=-61/2103,
12-13=-122/3564, 11-12=-107/3489
WEBS 3-18=-418/86, 4-18=0/479, 4-17=-624/72, 15-17=0/1295, 5-15=-46/1324, 7-15=-657/59,
7-14=0/583, 8-14=-713/71, 8-13=0/437, 9-13=-1498/62, 9-12=-300/56, 9-11=-3006/45

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 31-10-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) Provide adequate drainage to prevent water ponding.
 - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 7) Refer to girder(s) for truss to truss connections.
 - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
 - 9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 28, 2023

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss C09	Truss Type Common	Qty 1	Ply 1	Barry	T30164940
Job Reference (optional)						

Mayo Truss Company, Inc.,
Mayo, FL - 32066,

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MiTek Industries, Inc.
Mon Mar 27 14:46:10 2023
Page 1
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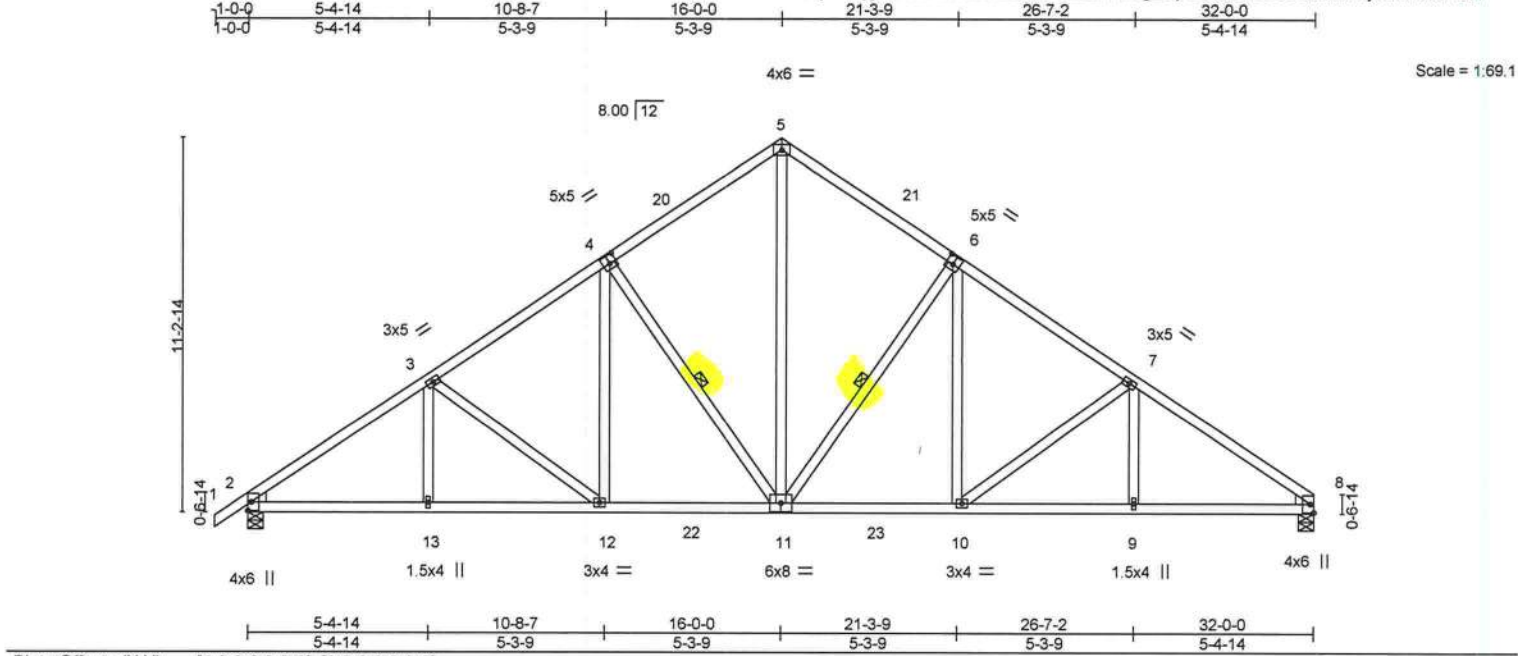


Plate Offsets (X,Y)--		[4:0-2-8,0-3-0], [6:0-2-8,0-3-0]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.41		Vert(LL)	-0.12 10-11	>999	240	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.61		Vert(CT)	-0.22 10-11	>999	180		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.31		Horz(CT)	0.08 8	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-AS						Weight: 201 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied.
WEBS	2x4 SP No.2	WEBS	1 Row at midpt 6-11, 4-11
WEDGE			
Left: 2x4 SP No.2 , Right: 2x4 SP No.2			

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=212(LC 11)
Max Uplift 2=-25(LC 12)
Max Grav 2=1498(LC 17), 8=1442(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2124/68, 3-4=-1768/106, 4-5=-1337/158, 5-6=-1336/159, 6-7=-1771/107, 7-8=-2131/72
BOT CHORD 2-13=-5/1846, 12-13=-5/1846, 11-12=0/1503, 10-11=0/1424, 9-10=-2/1701, 8-9=-2/1701
WEBS 5-11=-56/1100, 6-11=-647/68, 6-10=0/506, 7-10=-427/81, 4-11=-645/68, 4-12=0/502, 3-12=-420/80

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 32-0-0 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2.
 - 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

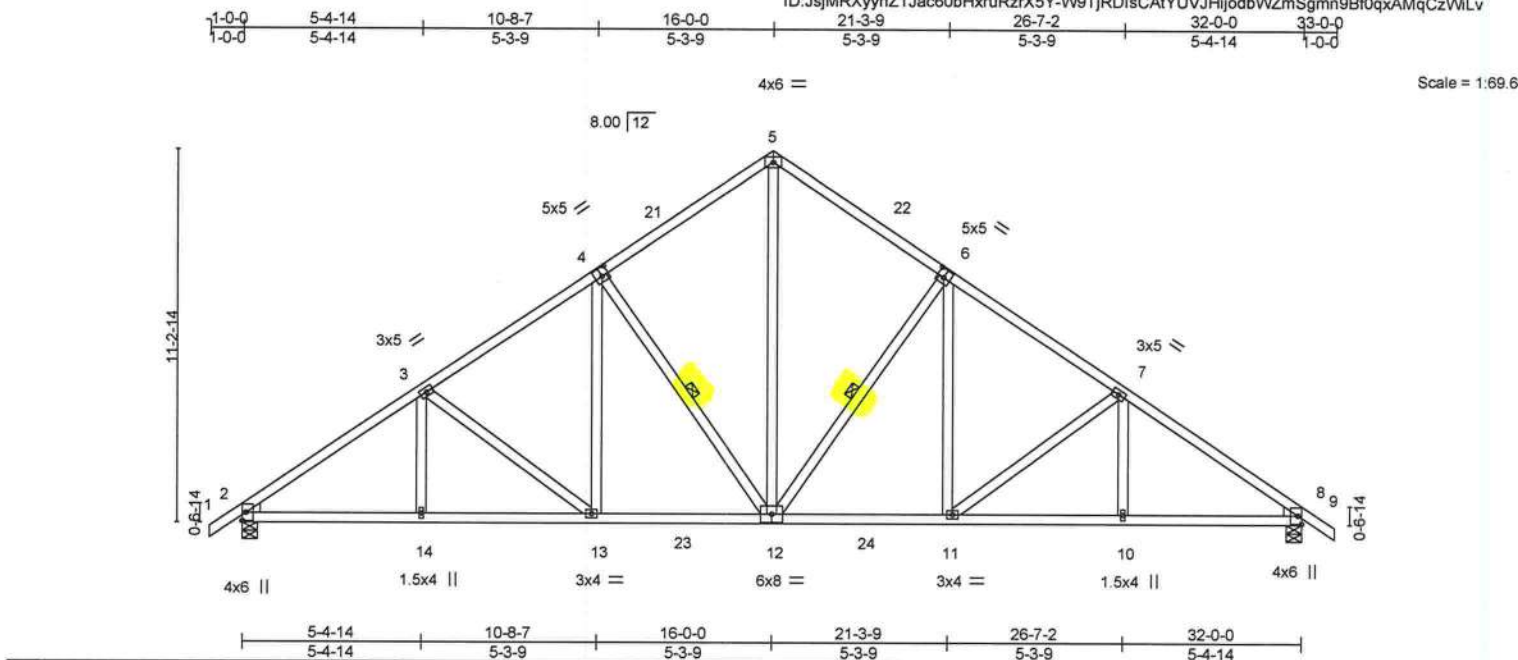
March 28,2023

Job BARRY	Truss C10	Truss Type Common	Qty 4	Ply 1	Barry	T30164941
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:12 2023 Page 1

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LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.41	Vert(LL) -0.12	12-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.60	Vert(CT) -0.22	12-13	>999	180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.31	Horz(CT) 0.08	8	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS					Weight: 202 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 6-12, 4-12

REACTIONS. (size) 2=0-5-8, 8=0-5-8
Max Horz 2=-217(LC 10)
Max Uplift 2=-24(LC 12), 8=-24(LC 12)
Max Grav 2=1498(LC 17), 8=1498(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2123/68, 3-4=-1767/106, 4-5=-1335/158, 5-6=-1335/158, 6-7=-1767/106, 7-8=-2123/68
BOT CHORD 2-14=0/1852, 13-14=0/1852, 12-13=0/1508, 11-12=0/1429, 10-11=0/1690, 8-10=0/1690
WEBS 5-12=-55/1099, 6-12=-645/68, 6-11=0/503, 7-11=-420/80, 4-12=-645/68, 4-13=0/502, 3-13=-420/80

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-2-6, Interior(1) 2-2-6 to 16-0-0, Exterior(2R) 16-0-0 to 19-2-6, Interior(1) 19-2-6 to 33-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
 - 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 28, 2023

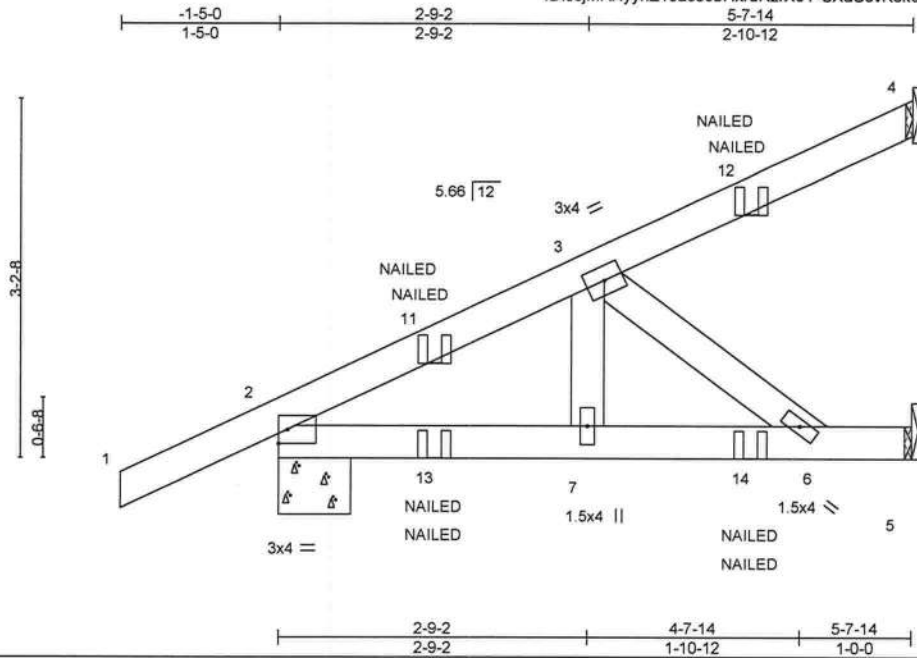
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:14 2023 Page 1
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LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.14	Vert(LL) -0.01 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.29	Vert(CT) -0.02 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.04	Horz(CT) 0.00 5	n/a	n/a		
BCDL 10.0	Code FBC2020/TP12014	Matrix-MP				Weight: 26 lb	FT = 20%

LUMBER-		BRACING-	
TOP CHORD	2x4 SP No.2	TOP CHORD	Structural wood sheathing directly applied or 5-7-14 oc purlins.
BOT CHORD	2x4 SP No.2	BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS	2x4 SP No.2		

REACTIONS. (size) 4=Mechanical, 2=0-7-12, 5=Mechanical
Max Horz 2=88(LC 8)
Max Uplift 4=-25(LC 8), 2=-25(LC 8)
Max Grav 4=78(LC 25), 2=318(LC 1), 5=150(LC 25)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-296/0
WEBS 3-6=-277/22

NOTES-

- 1) Wind: ASCE 7-16; Vult=130mpn (3-second gust) Vasd=101mph; TCdL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl.; GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidelines.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 13=7(F=4, B=4) 14=-18(F=-9, B=-9)



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

March 28, 2023



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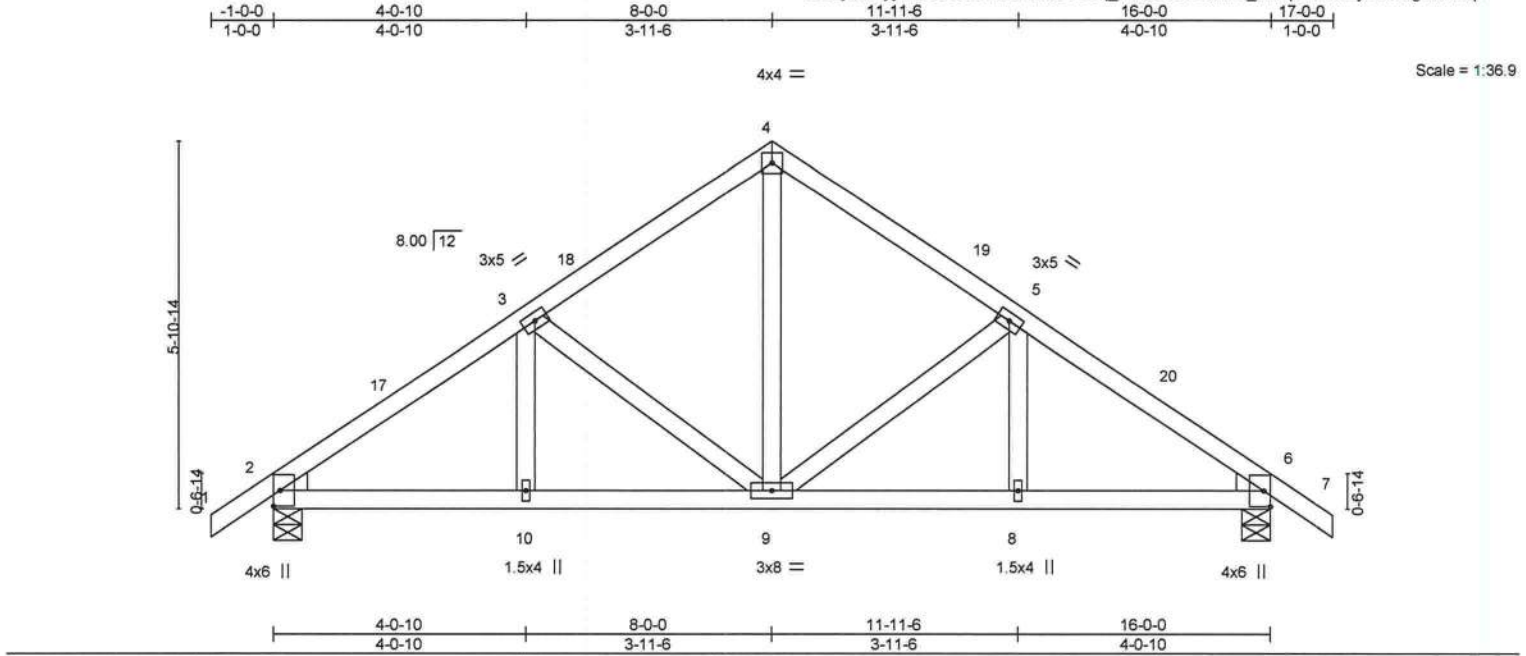


16023 Swingley Ridge Rd
Chesterfield, MO 63017



Job BARRY	Truss D02	Truss Type Common	Qty 2	Ply 1	Barry	T30164944
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:18 2023 Page 1
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-LJq_iHNdo0diCQmR3_v1mpsJ5vMZyDvCtdg2rzWMLp



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.21	Vert(LL) -0.02 9 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.11	Vert(CT) -0.04 8-9 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.02 6 n/a n/a		
	Code FBC2020/TPI2014			Weight: 87 lb	FT = 20%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (size) 2=0-5-8, 6=0-5-8
Max Horz 2=-111(LC 10)
Max Uplift 2=-24(LC 12), 6=-24(LC 12)
Max Grav 2=700(LC 1), 6=700(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-862/60, 3-4=-631/92, 4-5=-631/92, 5-6=-862/60
BOT CHORD 2-10=0/668, 9-10=0/668, 8-9=0/668, 6-8=0/668
WEBS 4-9=-22/391, 5-9=-264/66, 3-9=-264/66

- NOTES-**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 8-0-0, Exterior(2R) 8-0-0 to 11-0-0, Interior(1) 11-0-0 to 17-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 4) 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) 2, 6.
 - 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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

March 28, 2023

Job BARRY	Truss D03	Truss Type Hip	Qty 1	Ply 1	Barry	T30164945
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Mayo Truss, Mayo, FL

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8.530 s May 26 2022 MiTek Industries, Inc. Tue Mar 28 08:08:58 2023 Page 1

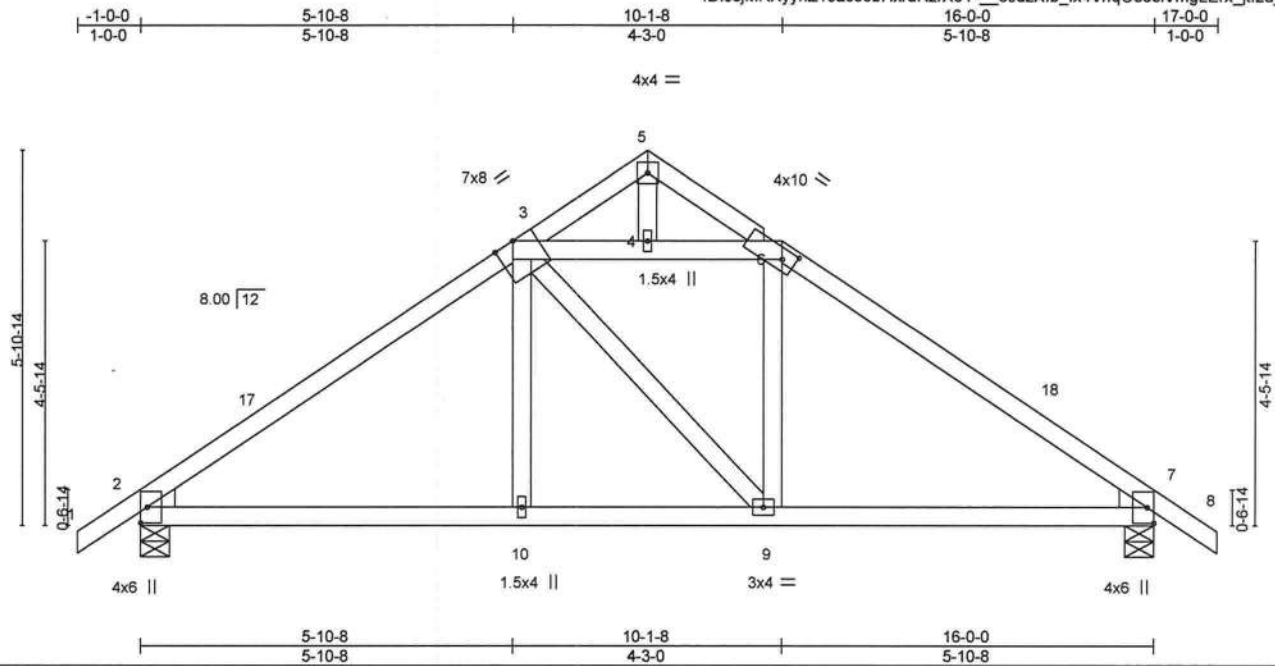


Plate Offsets (X,Y) [6:0-2-8,0-2-0]

LOADING (psf)	SPACING-		CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	2-0-0	TC 0.30	Vert(LL)	-0.03 10-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.29	Vert(CT)	-0.06 10-13	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.08	Horz(CT)	0.01 2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						
								Weight: 85 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

(size) 2=0-5-8, 7=0-5-8
Max Horz 2=-111(LC 10)
Max Uplift 2=-24(LC 12), 7=-24(LC 12)
Max Grav 2=700(LC 1), 7=700(LC 1)

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

TOP CHORD 2-3=-815/38, 3-4=-585/93, 4-6=-584/92, 6-7=-804/46
BOT CHORD 2-10=0/612, 9-10=0/609, 7-9=0/594

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 8-0-0, Exterior(2E) 8-0-0 to 9-10-12, Interior(1) 9-10-12 to 17-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 24 lb uplift at joint 2 and 24 lb uplift at joint 7.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
- Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



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Date:

March 28, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss D04GIR	Truss Type Roof Special Girder	Qty 1	Ply 2	Barry	T30164946
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:30 2023 Page 1

ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-_cYXDNW9zi8?fGhkIV7rKJJqpxx5NC7gzkXJT9zWlD
 2-8-14 5-4-7 8-0-0 10-0-0 12-0-0 16-0-0 17-0-0
 2-8-14 2-7-9 2-7-9 2-0-0 2-0-0 4-0-0 1-0-0

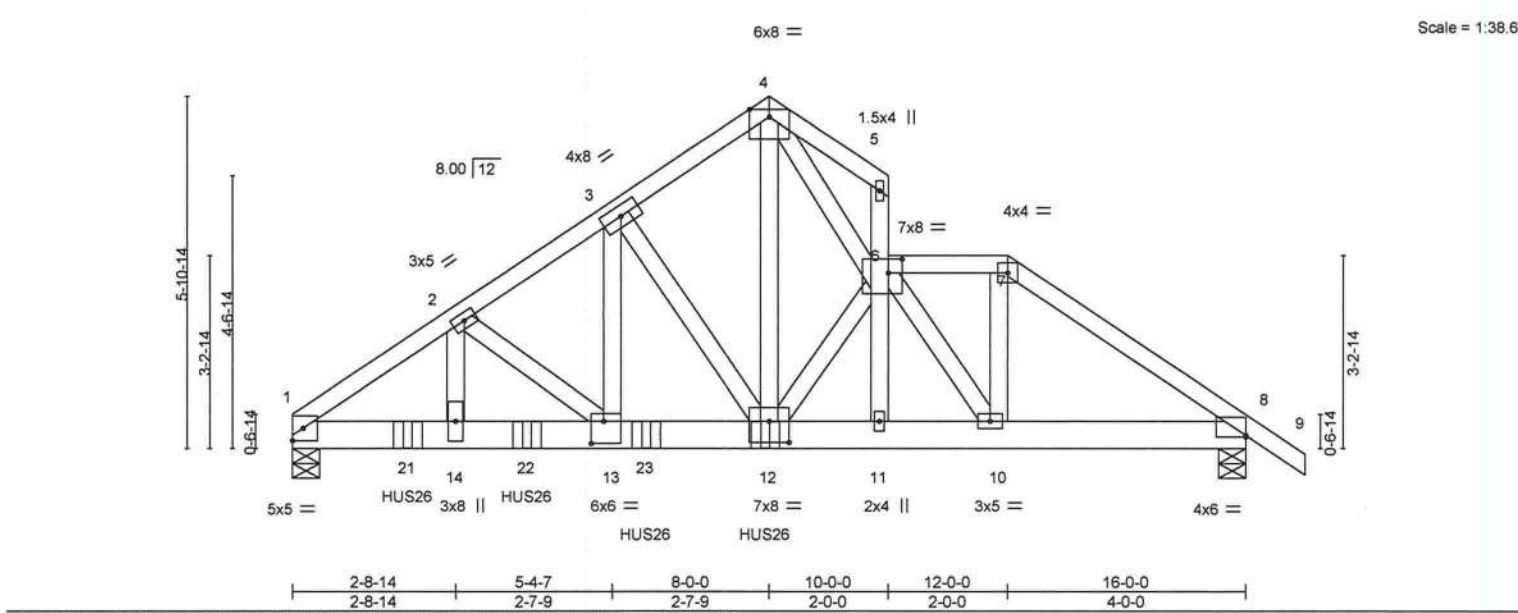


Plate Offsets (X, Y)--		[6:0-2-12,0-2-12], [8:0-0-0,0-0-5], [12:0-4-0,0-4-4], [13:0-2-8,0-4-8]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.48
TCDL 10.0	Lumber DOL	1.25	BC 0.47
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.82
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MS
			DEFL. in (loc) l/defl L/d
			Vert(LL) -0.09 12-13 >999 240
			Vert(CT) -0.17 12-13 >999 180
			Horz(CT) 0.03 8 n/a n/a
			PLATES MT20 GRIP 244/190
			Weight: 233 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied or 4-3-0 oc purlins, except end verticals.
BOT CHORD 2x6 SP SS	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2x4 SP No.2	

REACTIONS. (size) 1=0-5-8, 8=0-5-8
 Max Horz 1=-90(LC 23)
 Max Grav 1=5496(LC 2), 8=2928(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
 TOP CHORD 1-2=-8059/0, 2-3=-6520/0, 3-4=-4416/0, 4-5=-511/0, 5-6=-334/0, 6-7=-3857/0, 7-8=-4578/0
 BOT CHORD 1-14=0/6643, 13-14=0/6643, 12-13=0/5410, 11-12=0/5307, 10-11=0/5414, 8-10=0/3742
 WEBS 2-14=0/1737, 2-13=-1554/0, 3-13=0/3528, 3-12=-3033/0, 4-12=0/7242, 4-6=-5696/0, 6-12=-3016/0, 6-10=-2718/0, 7-10=0/2265

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
 Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.
 Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
 - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
 - Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Provide adequate drainage to prevent water ponding.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Use MiTek HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-11-4 from the left end to 7-11-4 to connect truss(es) to back face of bottom chord.
 - Fill all nail holes where hanger is in contact with lumber.
 - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 135 lb down and 107 lb up at 12-0-0 on top chord, and 148 lb down at 11-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
 Continued on page 2
 March 28, 2023



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

Job	Truss	Truss Type	Qty	Ply	Barry	T30164946
BARRY	D04GIR	Roof Special Girder	1	2	Job Reference (optional)	

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-5=-60, 6-7=-60, 7-9=-60, 15-18=-20

Concentrated Loads (lb)

Vert: 7=-40(B) 12=-1579(B) 10=-148(B) 21=-1579(B) 22=-1579(B) 23=-1579(B)



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

March 28,2023

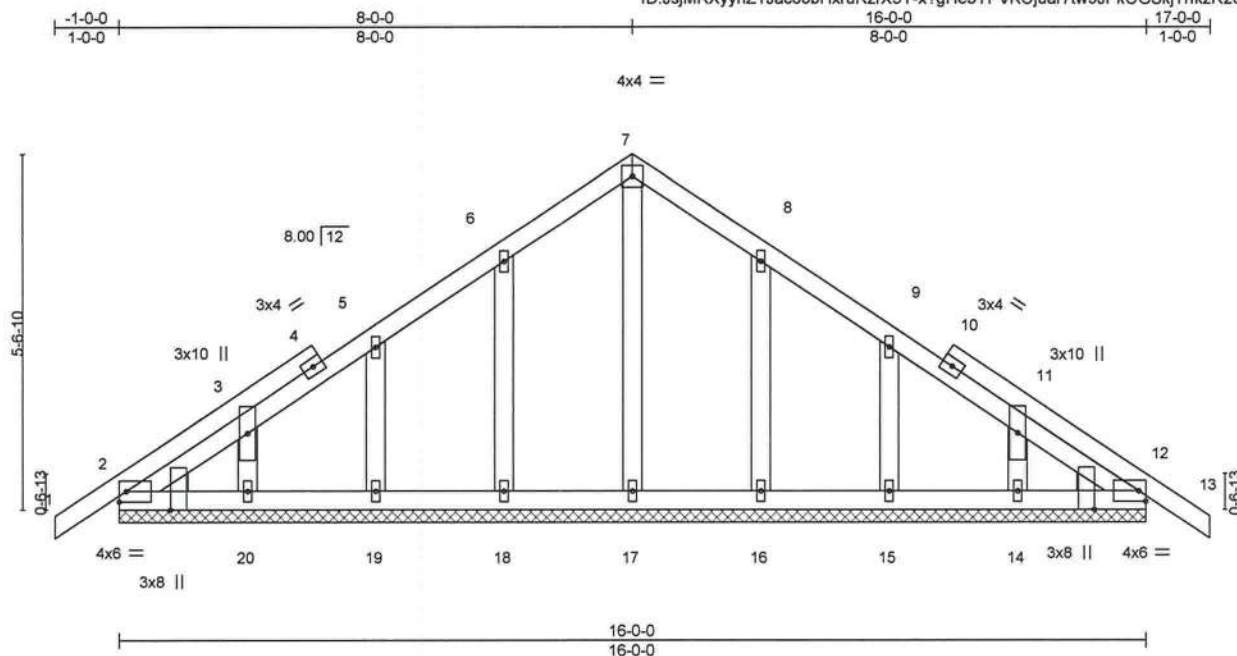


16023 Swingley Ridge Rd
 Chesterfield, MO 63017

Job BARRY	Truss E01GE	Truss Type Common Supported Gable	Qty 1	Ply 1	Barry	T30164947
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:32 2023 Page 1
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LOADING (psf)		SPACING-		CSI.		DEFL.		PLATES		GRIP	
TCLL	20.0	Plate Grip DOL	2-0-0	TC	0.09	in (loc)	l/defl	L/d	MT20	244/190	
TCDL	10.0	Lumber DOL	1.25	BC	0.03	Vert(LL)	-0.00 13	n/r			
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Vert(CT)	-0.00 13	n/r			
BCDL	10.0	Code FBC2020/TPI2014		Matrix-S		Horz(CT)	0.00 12	n/a			
								Weight: 96 lb FT = 20%			

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

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

REACTIONS. All bearings 16-0-0.
(lb) - Max Horz 2=104(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 20, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -1-0-0 to 1-11-13, Exterior(2N) 1-11-13 to 8-0-0, Corner(3R) 8-0-0 to 11-0-0, Exterior(2N) 11-0-0 to 17-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 18, 19, 20, 16, 15, 14.



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

March 28, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss E02GIR	Truss Type Common Girder	Qty 1	Ply 2	Barry Job Reference (optional)	T30164948
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:34 2023 Page 2
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LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 11=-1259(B) 20=-1259(B) 21=-1259(B) 22=-1259(B) 23=-1259(B) 24=-1259(B) 25=-1259(B)



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

March 28,2023



Job BARRY	Truss J1	Truss Type Jack-Open	Qty 1	Ply 1	Barry	T30164949
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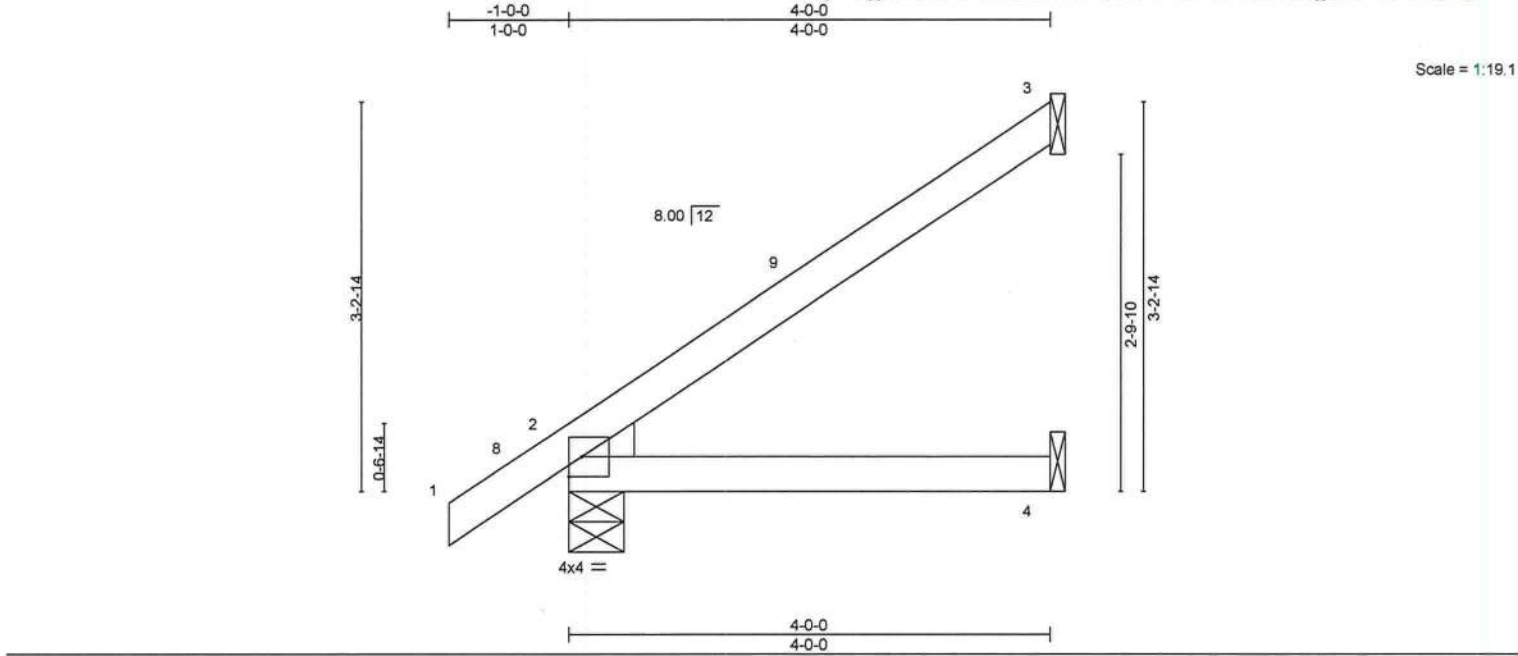
Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:35 2023 Page 1

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Job Reference (optional)



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)	-0.01	4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.15	Vert(CT)	-0.02	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-AS						Weight: 16 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEDGE	
Left: 2x4 SP No.2	

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical

Max Horz 2=87(LC 12)

Max Uplift 3=-33(LC 12), 2=-3(LC 12)

Max Grav 3=103(LC 17), 2=225(LC 1), 4=71(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 3-11-4 zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
 - 7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

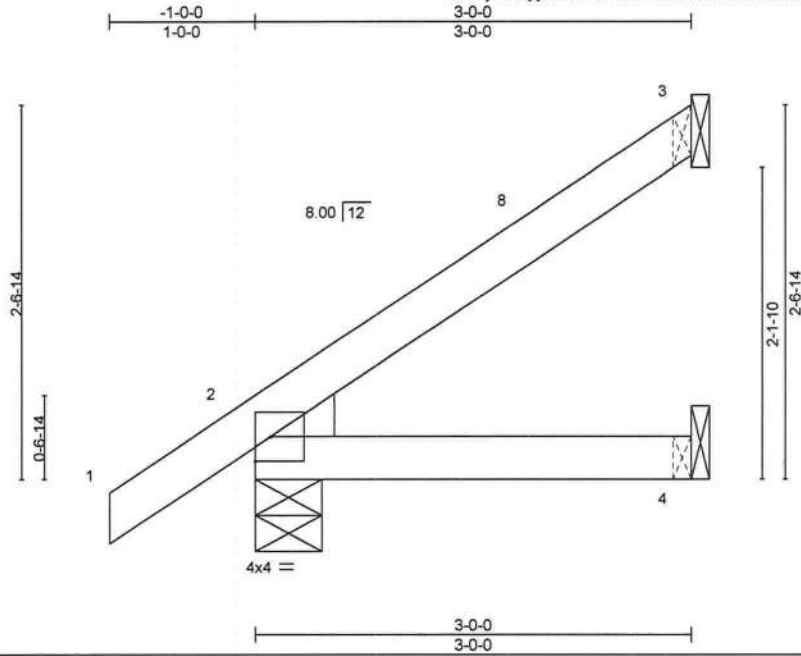


Julius Lee PE No. 34869
MiTek Inc. DBA MiTek USA FL Cert 6634
16023 Swingley Ridge Rd. Chesterfield, MO 63017
Date:

March 28,2023

Job BARRY	Truss J2	Truss Type Jack-Open	Qty 2	Ply 1	Barry	T30164950
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:37 2023 Page 1
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Scale = 1:15.8

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 0.09	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.08	Vert(CT)	-0.01	4-7	>999	180		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	0.00	3	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014		Matrix-MP						Weight: 13 lb	FT = 20%

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=71(LC 12)
Max Uplift 3=-23(LC 12), 2=-10(LC 12)
Max Grav 3=73(LC 17), 2=188(LC 1), 4=53(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 2-11-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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

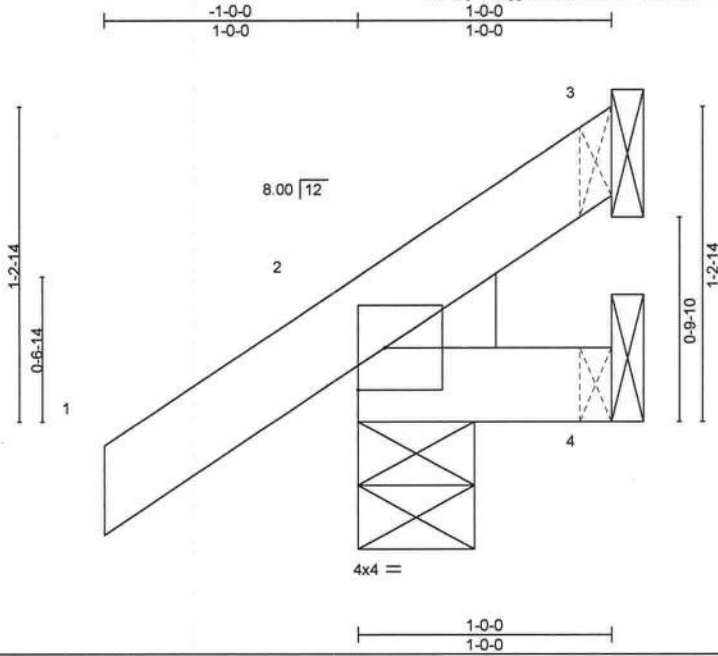
March 28, 2023

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Job BARRY	Truss J3	Truss Type Jack-Open	Qty 2	Ply 1	Barry	T30164951
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:38 2023 Page 1
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-l91Yv6cA4A8scVIHDBGJf?elC9m7F0trp_TklhzWMLV



LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.07	Vert(LL)	0.00	7	>999	240	MT20
TCDL 10.0	Lumber DOL	1.25	BC 0.01	Vert(CT)	-0.00	7	>999	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.00	Horz(CT)	-0.00	3	n/a	n/a	
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-MP						
								Weight: 6 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

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

REACTIONS. (size) 3=Mechanical, 2=0-5-8, 4=Mechanical
Max Horz 2=40(LC 12)
Max Uplift 3=-4(LC 9), 2=-30(LC 12)
Max Grav 3=11(LC 17), 2=130(LC 1), 4=12(LC 3)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Refer to girder(s) for truss to truss connections.
 - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.



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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss M01GE	Truss Type Monopitch Supported Gable	Qty 2	Ply 1	Barry	T30164952
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:39 2023 Page 1
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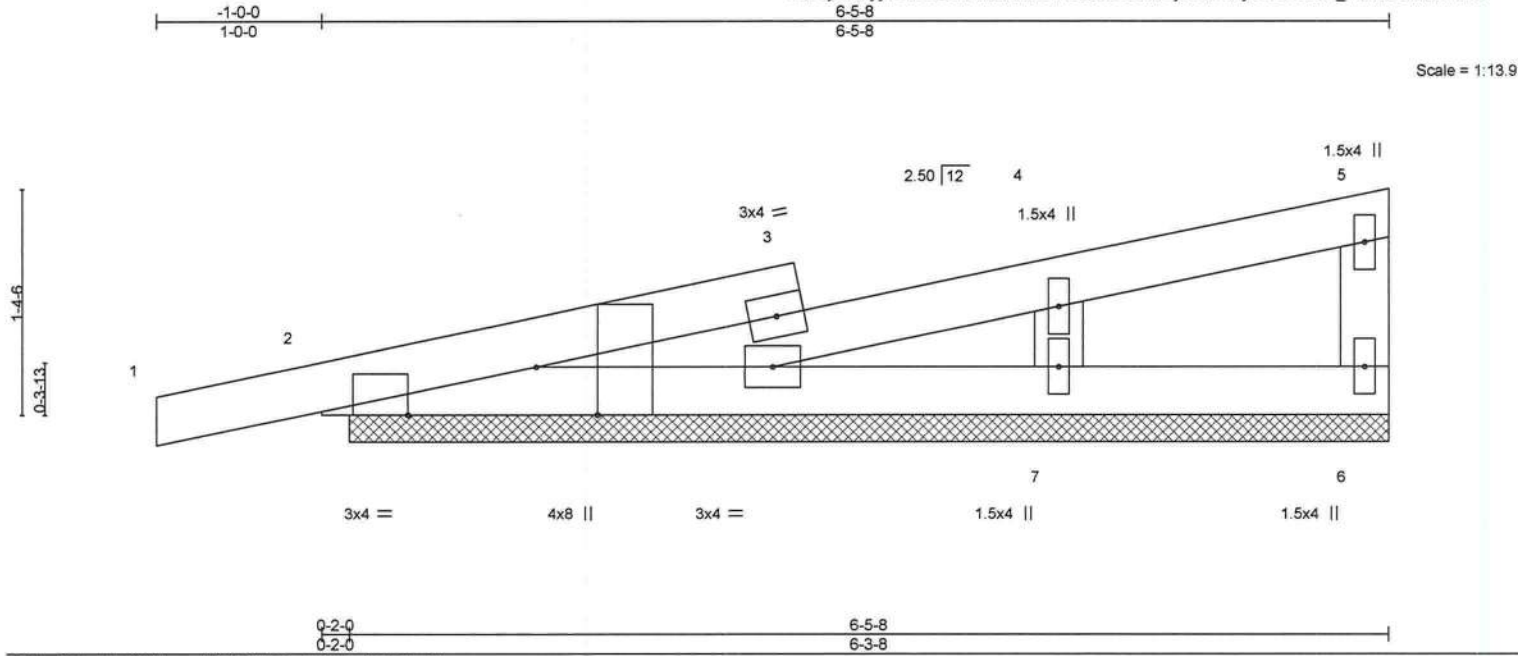


Plate Offsets (X,Y)--		[2:0-3-8,Edge], [2:0-9-6,Edge]	
LOADING (psf)	SPACING-	2-0-0	CSI.
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18
TCDL 10.0	Lumber DOL	1.25	BC 0.16
BCCL 0.0 *	Rep Stress Incr	YES	WB 0.04
BCDL 10.0	Code	FBC2020/TPI2014	Matrix-P
			DEFL.
			in (loc) l/defl L/d
			Vert(LL) 0.00 1 n/r 120
			Vert(CT) 0.00 1 n/r 120
			Horz(CT) 0.00 6 n/a n/a
			PLATES GRIP
			MT20 244/190
			Weight: 25 lb FT = 20%

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

REACTIONS. (size) 2=6-3-8, 6=6-3-8, 7=6-3-8
Max Horz 2=32(LC 9)
Max Uplift 2=-30(LC 8), 6=-4(LC 8)
Max Grav 2=221(LC 1), 6=16(LC 1), 7=329(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-7=-237/255

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



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Date:

March 28, 2023

Job BARRY	Truss M02	Truss Type Monopitch	Qty 15	Ply 1	Barry	T30164953
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:40 2023 Page 1
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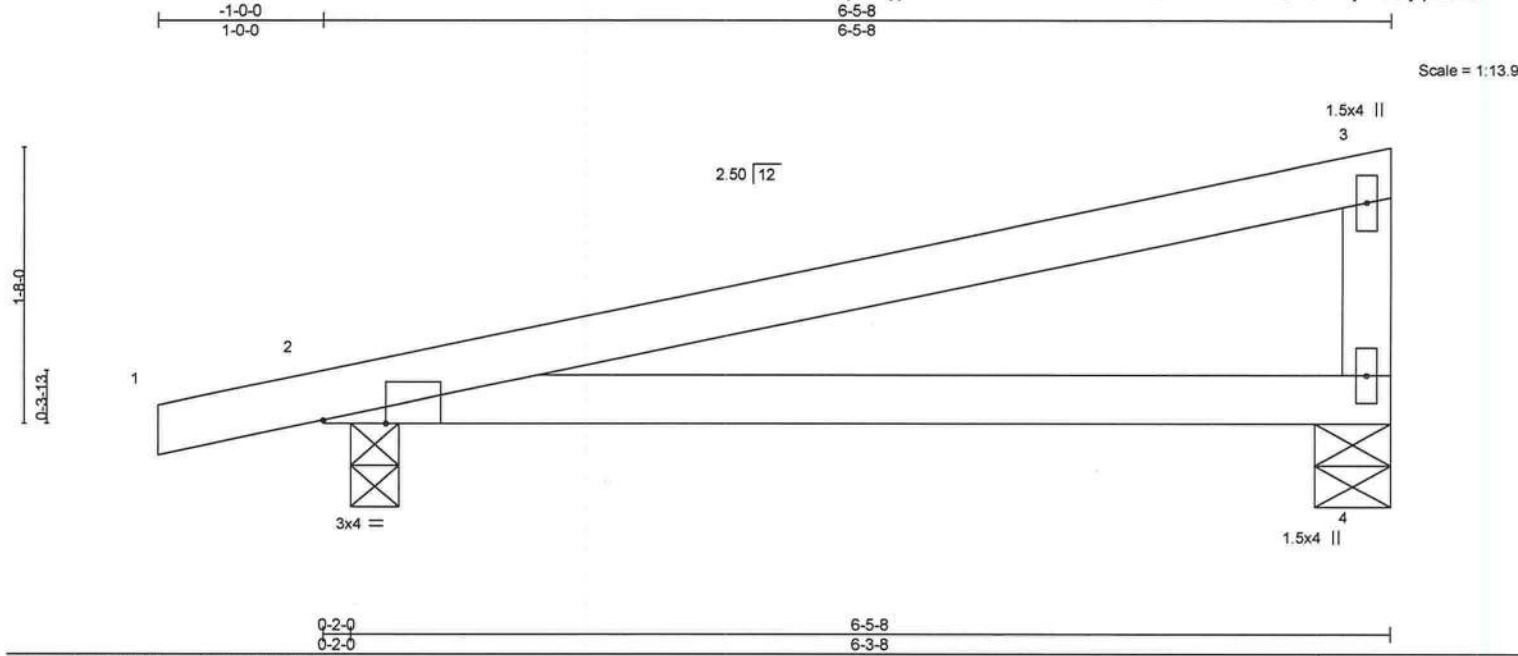


Plate Offsets (X,Y)--		[2:0-4-9,Edge]		
LOADING (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.48	Vert(LL) 0.08 4-7 >906 240	MT20 244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.42	Vert(CT) -0.15 4-7 >496 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(CT) 0.00 2 n/a n/a	
BCDL 10.0	Code FBC2020/TPI2014	Matrix-AS		Weight: 23 lb FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x4 SP No.2	TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD 2x4 SP No.2	BOT CHORD Rigid ceiling directly applied.
WEBS 2x4 SP No.2	

REACTIONS. (size) 4=0-5-8, 2=0-3-8
Max Horz 2=41(LC 11)
Max Uplift 4=30(LC 8), 2=57(LC 8)
Max Grav 4=248(LC 1), 2=317(LC 1)

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

- NOTES-**
- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Part. Encl., GCpi=0.55; MWFRS (directional) and C-C Exterior(2E) -1-0-0 to 2-0-0, Interior(1) 2-0-0 to 6-3-12 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 - 6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

March 28, 2023

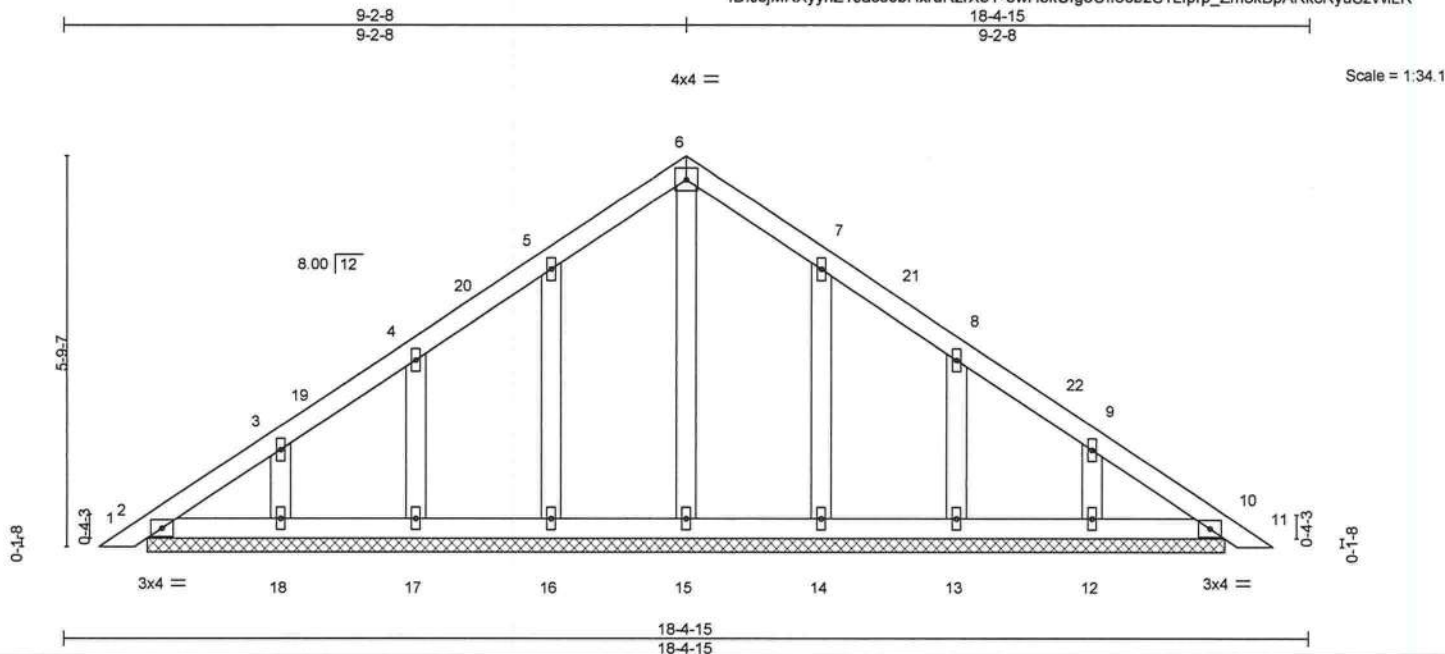
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss PB01GE	Truss Type GABLE	Qty 2	Ply 1	Barry	T30164954
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:42 2023 Page 1
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-ewH3kUfg80fl56b2S1Lfprp_Zm8kBPARKcRyuSzWILR



LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.05	in (loc) l/def L/d	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.03	Vert(LL) 0.00 10 n/r 120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.04	Vert(CT) 0.00 10 n/r 120		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-S	Horz(CT) 0.00 10 n/a n/a		
				Weight: 84 lb	FT = 20%

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

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

REACTIONS. All bearings 15-11-3.
(lb) - Max Horz 2=103(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 16, 17, 18, 14, 13, 12
Max Grav All reactions 250 lb or less at joint(s) 2, 10, 15, 16, 17, 18, 14, 13, 12

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-9-7 to 3-9-7, Interior(1) 3-9-7 to 9-2-8, Exterior(2R) 9-2-8 to 12-2-8, Interior(1) 12-2-8 to 17-7-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - All plates are 1.5x4 MT20 unless otherwise indicated.
 - Gable requires continuous bottom chord bearing.
 - Gable studs spaced at 2'-0-0 oc.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3'-6-0 tall by 2'-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 16, 17, 18, 14, 13, 12.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

March 28, 2023

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MiTek
16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss PB02	Truss Type Piggyback	Qty 15	Ply 1	Barry	T30164955
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:44 2023 Page 1
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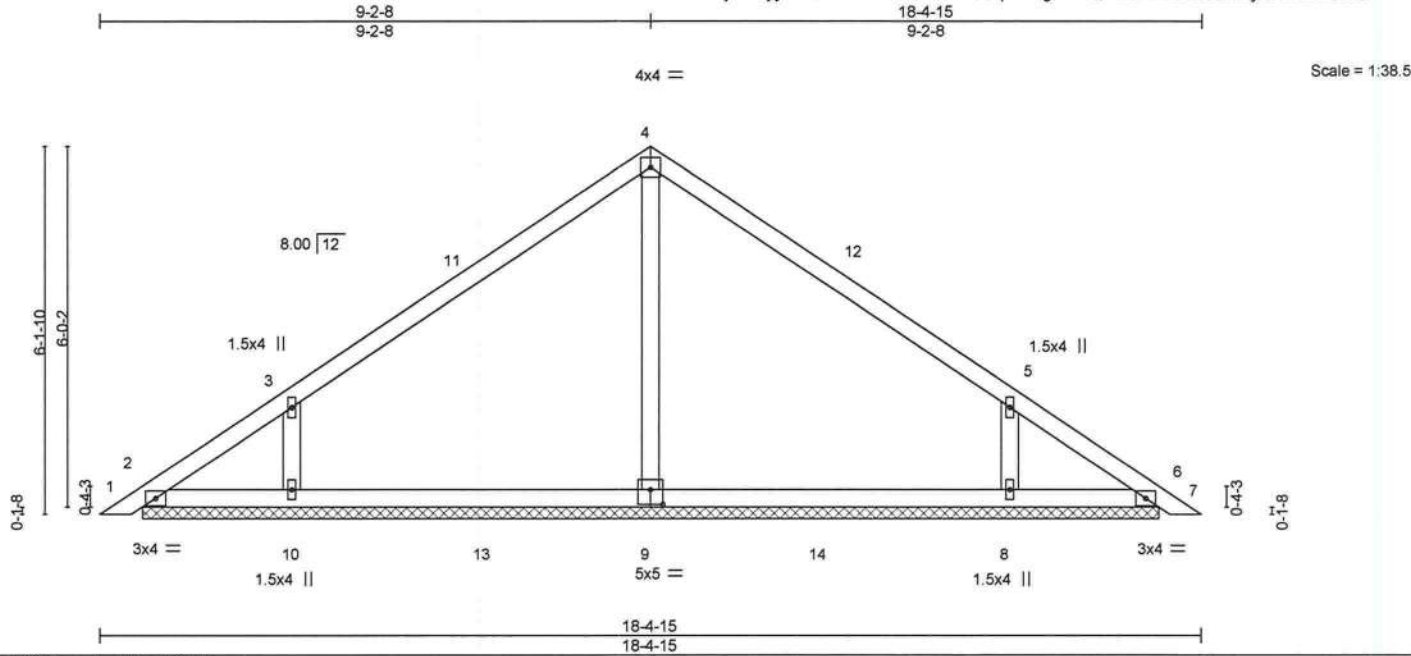


Plate Offsets (X,Y)--		[9:0-2-8,0-3-0]									
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.40		Vert(LL)	-0.00 7	n/r	120	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.45		Vert(CT)	-0.00 7	n/r	120		
BCLL 0.0 *		Rep Stress Incr	YES	WB 0.15		Horz(CT)	0.00 6	n/a	n/a		
BCDL 10.0		Code FBC2020/TPI2014		Matrix-S						Weight: 71 lb	FT = 20%

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

REACTIONS. All bearings 16-11-13.
(lb) - Max Horz 2=-110(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 8, 6
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=476(LC 17), 10=577(LC 17), 8=577(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-274/10, 3-10=-348/151, 5-8=-348/151

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-2 to 3-2-8, Interior(1) 3-2-8 to 9-2-8, Exterior(2R) 9-2-8 to 12-2-8, Interior(1) 12-2-8 to 18-1-13 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 8, 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

March 28,2023

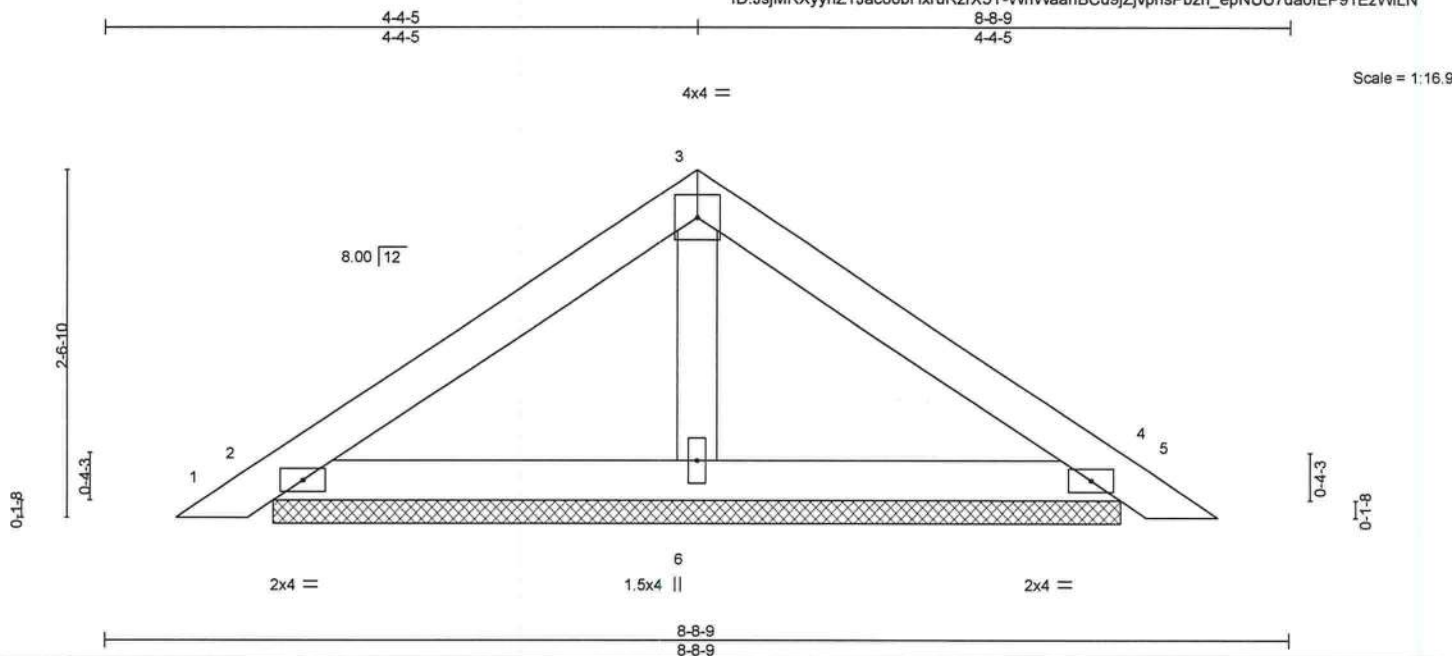
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16023 Swingley Ridge Rd
Chesterfield, MO 63017

Job BARRY	Truss PB03GE	Truss Type GABLE	Qty 1	Ply 1	Barry	T30164956
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:46 2023 Page 1
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-WhVaaRBCd9JZjvphsPbzh_epNUU7da0fEP91EzWLN



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/def	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.16	Vert(LL) 0.00	5	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.11	Vert(CT) 0.01	5	n/r	120		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT) 0.00	4	n/a	n/a		
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P					Weight: 26 lb	FT = 20%

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

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

REACTIONS. (size) 2=6-2-13, 4=6-2-13, 6=6-2-13
Max Horz 2=-44(LC 10)
Max Uplift 2=-27(LC 12), 4=-27(LC 12)
Max Grav 2=162(LC 1), 4=162(LC 1), 6=228(LC 1)

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

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



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Date:

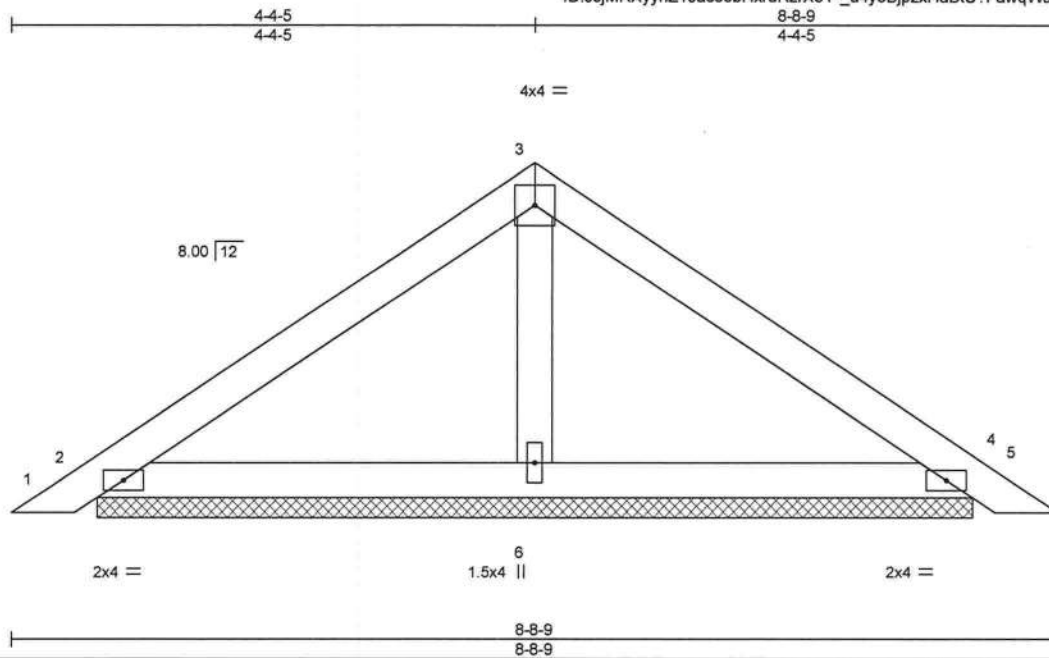
March 28, 2023

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.
Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component**
Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601

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Job BARRY	Truss PB04	Truss Type Piggyback	Qty 7	Ply 1	Barry	T30164957
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Mayo Truss Company, Inc., Mayo, FL - 32066, 8.530 s Mar 9 2023 MiTek Industries, Inc. Mon Mar 27 14:46:47 2023 Page 1
ID:JsJMRXyynZ1Jac60bHxruRzrX5Y-_u4yoBjpxzHaBtU?FawqWuWoWnp6s4kAtu9JzgZWLM



LOADING (psf)	SPACING-	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.23	Vert(LL) 0.01	5	n/r	120		MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.15	Vert(CT) 0.01	5	n/r	120			
BCLL 0.0 *	Rep Stress Incr YES	WB 0.02	Horz(CT) 0.00	4	n/a	n/a			
BCDL 10.0	Code FBC2020/TPI2014	Matrix-P							
								Weight: 30 lb	FT = 20%

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

REACTIONS. (size) 2=7-3-7, 4=7-3-7, 6=7-3-7
Max Horz 2=50(LC 11)
Max Uplift 2=-29(LC 12), 4=-29(LC 12)
Max Grav 2=185(LC 1), 4=185(LC 1), 6=268(LC 1)

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-3-2 to 3-3-2, Interior(1) 3-3-2 to 4-4-5, Exterior(2R) 4-4-5 to 7-4-5, Interior(1) 7-4-5 to 8-5-7 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
 - Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
 - Gable requires continuous bottom chord bearing.
 - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 - * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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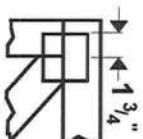
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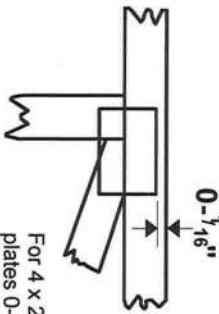
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Symbols

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- $\frac{1}{8}$ " from outside edge of truss.

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

* Plate location details available in MiTek 2020 software or upon request.

PLATE SIZE

4 X 4

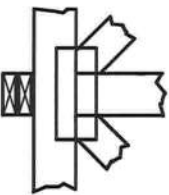
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

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



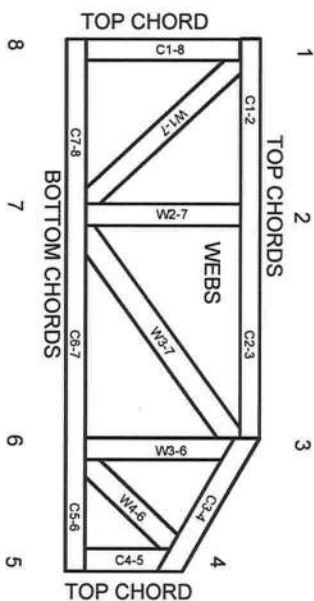
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practices for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System

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



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-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

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

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

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MiTek Engineering Reference Sheet: MII-7473 rev. 5/19/2020

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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