

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

RE: Townsend - Townsend

MiTek USA, Inc.

6904 Parke East Blvd. Tampa, FL 33610-4115

Site Information:

Customer Info: SCCI Project Name: . Model: .

Lot/Block: .

Subdivision: .

Address: .,

City: Lake City

State: FI

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

License #:

Address:

City:

State:

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

Design Code: FBC2020/TPI2014

Wind Code: ASCE 7-16

Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.4

Wind Speed: 130 mph Floor Load: N/A psf

This package includes 52 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	T26515488	A1	1/13/22	23	T26515510	CJ02	1/13/22
2	T26515489 T26515490	A2 A3	1/13/22 1/13/22	24 25	T26515511 T26515512	CJ03 CJ04	1/13/22 1/13/22
4	T26515491	A4	1/13/22	26	T26515513	CJ05	1/13/22
5	T26515492	A5	1/13/22	27	T26515514	D1GIR	1/13/22
4 5 6 7	T26515493 T26515494	A6 A7	1/13/22 1/13/22	28 29	T26515515 T26515516	D2 D3GIR	1/13/22
8	T26515494	A8	1/13/22	30	T26515516	E1GIR	1/13/22 1/13/22
9	T26515496	A9	1/13/22	31	T26515518	H1	1/13/22
10 11	T26515497 T26515498	A10 A11	1/13/22	32	T26515519	H2	1/13/22
12	T26515499	A12GIR	1/13/22 1/13/22	33 34	T26515520 T26515521	H3 J1	1/13/22 1/13/22
13	T26515500	B1GIR	1/13/22	35	T26515522	J1A	1/13/22
14	T26515501	B2	1/13/22	36	T26515523	J1B	1/13/22
15 16	T26515502 T26515503	B3 B4	1/13/22 1/13/22	37 38	T26515524 T26515525	J1C J2	1/13/22 1/13/22
17	T26515504	B5	1/13/22	39	T26515526	J2C	1/13/22
18	T26515505	C1GIR	1/13/22	40	T26515527	J3	1/13/22
19 20	T26515506 T26515507	C2 C3	1/13/22 1/13/22	41 42	T26515528 T26515529	J3A J3C	1/13/22 1/13/22
21	T26515508	C4GIR	1/13/22	43	T26515530	J4	1/13/22
22	T26515509	CJ01	1/13/22	44	T26515531	J4A	1/13/22



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, 2023.

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.



MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

Lee, Julius

1 of 2



RE: Townsend - Townsend

MiTek USA, Inc.

6904 Parke East Blvd. Tampa, FL 33610-4115

# Site Information:

Customer Info: SCCI Project Name: . Model: .

Lot/Block: .

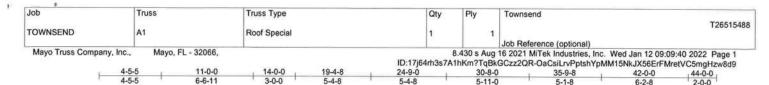
Subdivision: .

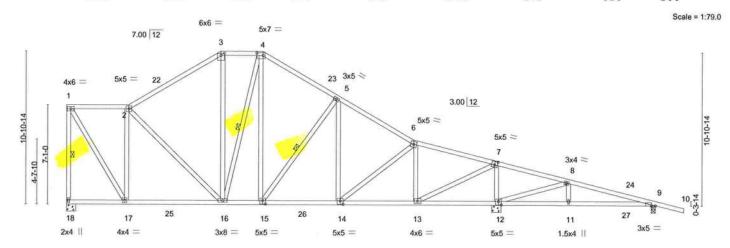
Address: ., .

City: Lake City

State: FI

No.	Seal#	Truss Name	Date
45	T26515532	M1GE	1/13/22 1/13/22
46	T26515533	M2	
47	T26515534	PB01	1/13/22
48	T26515535	PB02	1/13/22
49	T26515536	PB03	1/13/22
50	T26515537	PB04	1/13/22
51	T26515538	PB06	
52	T26515539	PB07	1/13/22





1	4-5-5 11-0-	0 14-0	0-0	19-4-8	24-9-0	4	30-8-6	0	35-9-8	42-0-0	
1	4-5-5 6-6-1	1 3-0	-0	5-4-8	5-4-8		5-11-0	)	5-1-8	6-2-8	
ets (X,Y)	[3:0-3-0,0-1-12], [4:0-5-4	,0-2-4], [7:0-2-8,	0-3-0], [9:0-	3-4,Edge],	[12:0-2-8,0-3-0], [14	4:0-2-8,0	-3-0], [	15:0-2-8,	0-3-0]		
(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
20.0	Plate Grip DOL	1.25	TC	0.50	Vert(LL)	-0.12		>999	240	100 H TO 100 H TO 100 H	244/190
10.0	Lumber DOL	1.25	BC	0.64	Vert(CT)	-0.23	14-15	>999	180	- MANAGES	
0.0	Rep Stress Incr	YES	WB	0.73	Horz(CT)	0.02	9	n/a	n/a		
10.0	Code FBC2020/T	PI2014	Matri	x-AS	Showout Wildows				CONTRACTOR CO.	Weight: 286 lb	FT = 20%
	(psf) 20.0 10.0 0.0	4-5-5 6-6-1 ts (X,Y) [3:0-3-0,0-1-12], [4:0-5-4  (psf) SPACING- 20.0 Plate Grip DOL 10.0 Lumber DOL 0.0 Rep Stress Incr	ts (X,Y) (3:0-3-0,0-1-12), [4:0-5-4,0-2-4], [7:0-2-8, (psf) SPACING- 2-0-0 Plate Grip DOL 1.25 Lumber DOL 1.25 Lumber DOL 1.25 Rep Stress Incr YES	ts (X,Y)- [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-10], [9:0	4-5-5 6-6-11 3-0-0 5-4-8 ts (X,Y) [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge].  (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 0.50 10.0 Lumber DOL 1.25 BC 0.64 0.0 Rep Stress Incr YES WB 0.73	4-5-5 6-6-11 3-0-0 5-4-8 5-4-8 (ts (X,Y) [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge], [12:0-2-8,0-3-0], [1-2-2-8,0-3-	4-5-5         6-6-11         3-0-0         5-4-8         5-4-8           ts (X,Y)-         [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0           (psf)         SPACING-         2-0-0         CSI.         DEFL.         in           20.0         Plate Grip DOL         1.25         TC         0.50         Vert(LL)         -0.12           10.0         Lumber DOL         1.25         BC         0.64         Vert(CT)         -0.23           0.0         *         Rep Stress Incr         YES         WB         0.73         Horz(CT)         0.02	4-5-5         6-6-11         3-0-0         5-4-8         5-4-8         5-11-4           ts (X,Y)-         [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0], [10:0	4-5-5 6-6-11 3-0-0 5-4-8 5-4-8 5-11-0  ts (X,Y) [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0], [15:0-2-8,  (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) I/defl 20.0 Plate Grip DOL 1.25 TC 0.50 Vert(LL) -0.12 14-15 >999  10.0 Lumber DOL 1.25 BC 0.64 Vert(CT) -0.23 14-15 >999  0.0 * Rep Stress Incr YES WB 0.73 Horz(CT) 0.02 9 n/a	4-5-5 6-6-11 3-0-0 5-4-8 5-4-8 5-11-0 5-1-8 ts (X,Y) [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0], [15:0-2-8,0-3-0]	4-5-5 6-6-11 3-0-0 5-4-8 5-4-8 5-11-0 5-1-8 6-2-8 ts (X,Y) [3:0-3-0,0-1-12], [4:0-5-4,0-2-4], [7:0-2-8,0-3-0], [9:0-3-4,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0], [15:0-2-8,0-3-0] [15:0-2-8,0

**BRACING-**

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.2

> (size) 18=0-8-0, 12=0-8-0, 9=0-3-8 Max Horz 18=-270(LC 10)

Max Uplift 12=-113(LC 12), 9=-132(LC 12)

Max Grav 18=1303(LC 18), 12=2117(LC 2), 9=380(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-18=-1253/135, 1-2=-755/140, 2-3=-1071/201, 3-4=-867/227, 4-5=-1103/223,

5-6=-1390/151, 6-7=-1176/13, 7-8=-314/966, 8-9=-171/373

**BOT CHORD** 17-18=-135/278, 16-17=0/865, 15-16=0/939, 14-15=0/1152, 13-14=0/1136,

12-13=-774/360, 11-12=-322/147, 9-11=-322/147

**WEBS** 

1-17=-133/1363, 2-17=-914/200, 3-16=0/281, 4-15=-32/504, 5-15=-485/86, 6-13=-711/203, 7-13=-260/2074, 7-12=-1678/269, 8-12=-1064/735, 8-11=-249/259

### NOTES-

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=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-5-5, Interior(1) 4-5-5 to 11-0-0, Exterior(2E) 11-0-0 to 14-0-0, Exterior(2R) 14-0-0 to 18-2-6, Interior(1) 18-2-6 to 44-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.

sheetrock be applied directly to the bottom chord.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 113 lb uplift at joint 12 and 132 lb uplift at joint 9. 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

No 34869

AD THE AMERICAN AND STORY OF THE A SONAL ENGIN William I Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

Structural wood sheathing directly applied, except end verticals.

1-18, 4-16, 5-15

Rigid ceiling directly applied.

1 Row at midpt

January 13,2022

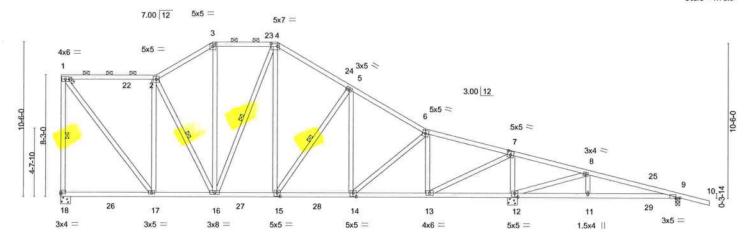
eters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MiTek® connectors. This design is based only upon parameters and record 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/TPII Quality Criteria, DSB-89 and BCSI Building Composately Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waktorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515489 TOWNSEND A2 Piggyback Base Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:00 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-pRQQuB5RhzP05dKCXES3YXMUMlhx2rUp5JxqM7zw8cr 19-8-11 5-0-5 24-9-0 5-0-5 35-9-8 5-1-8 42-0-0

Scale = 1:75.3



	1	6-5-5	3-11	4-8-5	19-8-11	24-9-0	30-8	3-0	35-9-8	42-0-0	- 1
	1.00	6-5-5 3-1	10-5 4	-4-10	5-0-5	5-0-5	5-1	1-0	5-1-8	6-2-8	
Plate Offse	ets (X,Y)	[3:0-2-8,0-2-1], [4:0-5-	-4,0-2-4], [7:0-2	2-8,0-3-0], [9:0-	3-4,Edge], [	12:0-2-8,0-3-0], [14:	0-2-8,0-3-0], [	15:0-2-8,0	-3-0]		
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defi	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.54	Vert(LL)	-0.11 14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.57	Vert(CT)	-0.21 14-15	>999	180		
BCLL	0.0 *	Rep Stress Inc	YES	WB	0.93	Horz(CT)	0.02 9	n/a	n/a		
BCDL	10.0	Code FBC202	0/TPI2014	Matr	ix-AS					Weight: 289 lb	FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** WEBS

LUMBER-

REACTIONS.

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

WEBS 2x4 SP No.2

(size) 18=0-8-0, 12=0-8-0, 9=0-3-8

Max Horz 18=-276(LC 10) Max Uplift 12=-111(LC 12), 9=-132(LC 12)

Max Grav 18=1340(LC 18), 12=2131(LC 2), 9=377(LC 22)

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

TOP CHORD 1-18=-1199/166, 1-2=-848/166, 2-3=-1052/218, 3-4=-875/221, 4-5=-1163/218,
5-6=-1415/148, 6-7=-1185/13, 7-8=-313/980, 8-9=-163/373

**BOT CHORD** 17-18=-152/319, 16-17=0/938, 15-16=0/984, 14-15=0/1166, 13-14=0/1145,

12-13=-786/362, 11-12=-322/139, 9-11=-322/139

WEBS

1-17=-144/1322, 2-17=-940/198, 3-16=0/330, 4-16=-263/69, 4-15=-11/542, 5-15=-432/78, 6-13=-717/202, 7-13=-263/2098, 7-12=-1696/271, 8-12=-1064/735,

8-11=-249/259

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-4-2, Interior(1) 4-4-2 to 10-3-11, Exterior(2E) 10-3-11 to 14-8-5, Exterior(2R) 14-8-5 to 18-10-12, Interior(1) 18-10-12 to 44-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 12 and 132 lb uplift at joint 9.
- 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.

ONAL ENGIN

Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-6-15 max.): 1-2, 3-4.

1-18, 2-16, 4-16, 5-15

Rigid ceiling directly applied.

1 Row at midpt

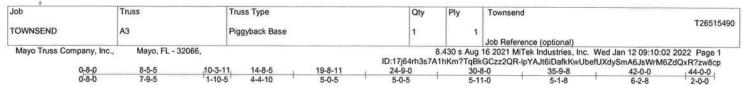
Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

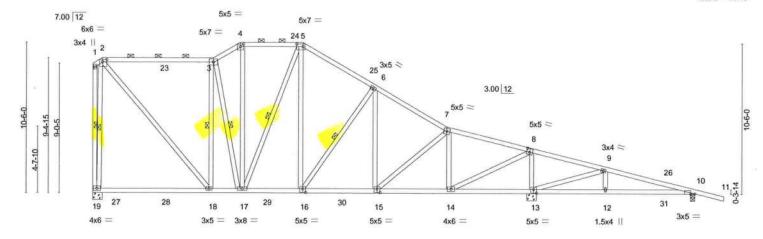
ers and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MTek® 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 anage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see \*\*ANS/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:77.5



	0-8-0	8-5-5	10-3-11	14-8-5	19-8-11	24-9-0	1	30-	8-0	35-9	-8 42-0	-0
	0-8-0	7-9-5	1-10-5	4-4-10	5-0-5	5-0-5	4:	5-1	1-0	5-1-	8 6-2-	8
Plate Offs	ets (X,Y)	[2:0-3-8,0-2-0], [4:0-2-8,0	)-2-1], [5:0-	5-4,0-2-4], [8:0-2	2-8,0-3-0], [10:0	)-3-4,Edge], [13:	0-2-8,0-3-	-0], [15	5:0-2-8,0	-3-0], [16:0-2-	-8,0-3-0]	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.78	Vert(LL)	-0.21 18	8-19	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.34 18	8-19	>999	180	.0.0000.0000	000000000000000000000000000000000000000
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.52	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	ix-AS						Weight: 308 It	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2

**BOT CHORD** 2x4 SP No.2 2x4 SP No.2

**BRACING-**TOP CHORD

Structural wood sheathing directly applied, except end verticals, and

2-0-0 oc purlins (4-1-9 max.): 2-3, 4-5. Rigid ceiling directly applied.

**BOT CHORD** WEBS

1 Row at midpt

3-18, 3-17, 5-17, 6-16, 1-19, 2-19

REACTIONS. (size) 19=0-8-0, 13=0-8-0, 10=0-3-8

Max Horz 19=-285(LC 10)

Max Uplift 13=-110(LC 12), 10=-133(LC 12)

Max Grav 19=1361(LC 18), 13=2137(LC 2), 10=376(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-907/182, 3-4=-1056/231, 4-5=-874/207, 5-6=-1174/207, 6-7=-1424/138, 7-8=-1188/7, 8-9=-323/988, 9-10=-158/366, 1-19=-283/278

**BOT CHORD** 18-19=-116/328, 17-18=0/984, 16-17=0/987, 15-16=0/1168, 14-15=0/1149,

13-14=-793/369, 12-13=-313/134, 10-12=-313/134

WEBS 3-18=-660/216, 3-17=-263/85, 4-17=-53/432, 5-17=-264/78, 5-16=-8/546, 6-16=-429/76,

7-14=-724/197, 8-14=-251/2114, 8-13=-1706/263, 9-13=-1065/736, 9-12=-249/259,

2-18=-137/1261, 2-19=-1388/492

### 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=42ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 0-8-0, Exterior(2R) 0-8-0 to 4-10-6, Interior(1) 4-10-6 to 10-3-11, Exterior(2E) 10-3-11 to 14-8-5, Exterior(2R) 14-8-5 to 18-10-12, Interior(1) 18-10-12 to 44-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 13 and 133 lb uplift
- at joint 10.
- 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 USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

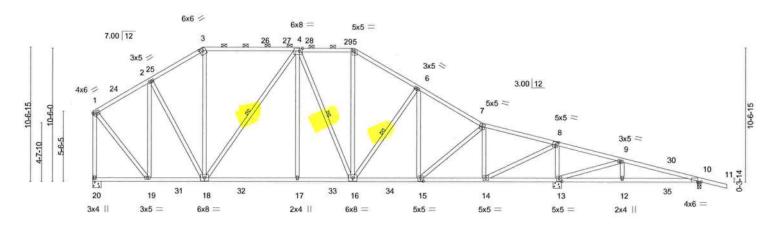
eters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

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Job Truss Truss Type Qty Ply Townsend T26515491 TOWNSEND A4 Piggyback Base Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:03 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-D?5ZXC7K\_unby43nCN0mAA\_w\_WehFE3FnH9UzRzw8co 25-8-11 30-9-0 36-8-0 41-9-8 48-0-0 50-0-0 30-9-0 5-0-5

Scale = 1:87.5



		4-5-12 8-8-0	16-3-11	20-8-5	25-8-11	30-9-0	36-8-0		41-9-8	48-0-0
		4-5-12 4-2-4	7-7-11	4-4-10	5-0-5	5-0-5	5-11-0	)	5-1-8	6-2-8
Plate Offse	ets (X,Y)	[3:0-3-0,0-2-5], [4:0-2-1	2,Edge], [5:0-2-8,	0-2-1], [8:0-2-4,0-3-0],	[10:0-3-4,Edge], [1	3:0-2-8,0-3-0],	15:0-2-8,0	)-3-0]		
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.84	Vert(LL)	-0.20 17-18	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.83	Vert(CT)	-0.36 17-18	>999	180	-000 GO-000 CO-000 C	
BCLL	0.0	Rep Stress Incr	YES	WB 0.82	Horz(CT)	0.05 13	n/a	n/a		
BCDL	10.0	Code FBC2020	/TPI2014	Matrix-AS					Weight: 3	32 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

3-4: 2x4 SP No.1

2x4 SP No.2 BOT CHORD

WEBS 2x4 SP No.2 **BRACING-**TOP CHORD

Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-5-6 max.): 3-5.

Rigid ceiling directly applied. **BOT CHORD** WEBS 4-18, 4-16, 6-16 1 Row at midpt

REACTIONS.

20=0-8-0. 13=0-8-0, 10=0-3-8 (size)

Max Horz 20=-247(LC 10)

Max Uplift 13=-111(LC 12), 10=-133(LC 12)

Max Grav 20=1607(LC 17), 13=2449(LC 2), 10=345(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-1020/173, 2-3=-1266/246, 3-4=-1074/250, 4-5=-1387/248, 5-6=-1653/252,

6-7=-1874/180, 7-8=-1511/37, 8-9=-327/1119, 9-10=-35/360, 1-20=-1548/169

18-19=0/922, 17-18=0/1457, 16-17=0/1452, 15-16=0/1544, 14-15=0/1467,

13-14=-893/367, 12-13=-309/15, 10-12=-309/15

2-19=-764/158, 2-18=-26/534, 3-18=0/308, 4-18=-673/31, 4-17=0/433, 5-16=-9/526, 6-16=-381/76, 7-14=-934/216, 8-14=-293/2574, 8-13=-2028/292, 9-13=-1070/736,

9-12=-249/260, 1-19=-113/1249

### NOTES-

WEBS

**BOT CHORD** 

- 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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 8-8-0, Exterior(2R) 8-8-0 to 13-5-10, Interior(1) 13-5-10 to 20-8-5, Exterior(2R) 20-8-5 to 25-8-11, Interior(1) 25-8-11 to 50-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 111 lb uplift at joint 13 and 133 lb uplift
- 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.

No 34869

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MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

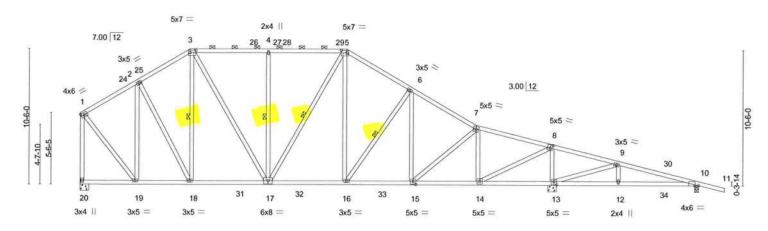
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Job Truss Truss Type Qty Ply T26515492 TOWNSEND A5 Piggyback Base Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:05 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-9ODJyu9aWV1JBODAJn2EFb4KfJNSj7ZYFbeb1Kzw8cm 30-9-0 5-0-5 36-8-0 5-11-0 41-9-8 5-1-8 48-0-0 6-2-8

Scale = 1:85.9



4-4	-15	8-6-5	14-7-5	20-8-	5	25-8-11	30-9-0	- 1	36-8-0		41-9-8	48-	0-0
4-4	-15	4-1-7	6-1-0	6-1-0	) 1	5-0-5	5-0-5	1	5-11-0		5-1-8	6-2	2-8
ets (X,Y)-	[3:0-5-	4,0-2-4], [5:0-5-4,0	)-2-4], [8:0-2-4,0	0-3-0], [10:0-	3-4,Edge], [	13:0-2-8,0-3-0], [1	5:0-2-8,0	-3-0]					
(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLA	TES	GRIP
20.0	1	Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.13		>999	240	17.0		244/190
10.0		Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.23	16-17	>999	180			
0.0		Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.04	13	n/a	n/a			
10.0		Code FBC2020/T	PI2014	Matri	x-AS						Weid	aht: 332 lb	FT = 20%
	4-4 ets (X,Y)- (psf) 20.0 10.0 0.0 *	(psf) 20.0 10.0 0.0	4-4-15 4-1-7 ets (X,Y) [3:0-5-4,0-2-4], [5:0-5-4,0 i (psf) SPACING- 20.0 Plate Grip DOL 10.0 Lumber DOL 0.0 Rep Stress Incr	4-4-15 4-1-7 6-1-0 ets (X,Y) [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0 [psf) SPACING- 2-0-0 20.0 Plate Grip DOL 1.25 10.0 Lumber DOL 1.25 0.0 Rep Stress Incr YES	4-4-15 4-1-7 6-1-0 6-1-0 ets (X,Y) [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0- i (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 10.0 Lumber DOL 1.25 BC 0.0 Rep Stress Incr YES WB	4-4-15	4-4-15         4-1-7         6-1-0         6-1-0         5-0-5           ets (X,Y)         [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0-3-4,Edge], [13:0-2-8,0-3-0], [15:0-3-8,0-3-0], [15:0-3-8	4-4-15 4-1-7 6-1-0 6-1-0 5-0-5 5-0-5 ets (X,Y) [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0-3-4,Edge], [13:0-2-8,0-3-0], [15:0-2-8,0 10:0	4-4-15         4-1-7         6-1-0         6-1-0         5-0-5         5-0-5           ets (X,Y)         [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0-3-4,Edge], [13:0-2-8,0-3-0], [15:0-2-8,0-3-0]         [15:0-2-8,0-3-0]           i (psf)         SPACING-         2-0-0         CSI.         DEFL.         in (loc)           20.0         Plate Grip DOL         1.25         TC         0.63         Vert(LL)         -0.13 16-17           10.0         Lumber DOL         1.25         BC         0.61         Vert(CT)         -0.23 16-17           0.0         *         Rep Stress Incr         YES         WB         0.88         Horz(CT)         0.04         13	4-4-15	4-4-15 4-1-7 6-1-0 6-1-0 5-0-5 5-0-5 5-0-5 5-11-0 ets (X,Y) [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0-3-4,Edge], [13:0-2-8,0-3-0], [15:0-2-8,0-3-0] [15:0-2-8,0	4-4-15	4-4-15 4-1-7 6-1-0 6-1-0 5-1-8 6-2-6 ts (X,Y)— [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0-3-4,Edge], [13:0-2-8,0-3-0], [15:0-2-8,0-3-0]

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2

**BOT CHORD** 2x4 SP No.2

REACTIONS. (size) 20=0-8-0, 13=0-8-0, 10=0-3-8

Max Horz 20=-246(LC 10) Max Uplift 13=-112(LC 12), 10=-133(LC 12)

Max Grav 20=1581(LC 17), 13=2446(LC 2), 10=341(LC 22)

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

1-2=-988/174, 2-3=-1268/242, 3-4=-1354/264, 4-5=-1354/264, 5-6=-1658/246, 6-7=-1859/179, 7-8=-1495/37, 8-9=-331/1130, 9-10=-20/358, 1-20=-1511/172 TOP CHORD

18-19=0/898, 17-18=0/1114, 16-17=0/1388, 15-16=0/1532, 14-15=0/1452, **BOT CHORD** 

13-14=-904/371, 12-13=-306/1, 10-12=-306/1 WEBS

2-19=-834/148, 2-18=-5/561, 3-18=-286/76, 3-17=-75/686, 4-17=-408/133, 5-16=0/590,

6-16=-350/83, 7-14=-934/216, 8-14=-294/2572, 8-13=-2027/292, 9-13=-1070/736,

9-12=-249/260, 1-19=-119/1223

### 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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 8-6-5, Exterior(2R) 8-6-5 to 13-3-15, Interior(1) 13-3-15 to 20-8-5, Exterior(2R) 20-8-5 to 25-8-11, Interior(1) 25-8-11 to 50-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.

- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 13 and 133 lb uplift at joint 10. 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.

No 34869

No 34869

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Structural wood sheathing directly applied, except end verticals, and

3-18, 4-17, 5-17, 6-16

2-0-0 oc purlins (4-9-6 max.): 3-5.

Rigid ceiling directly applied.

1 Row at midpt

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

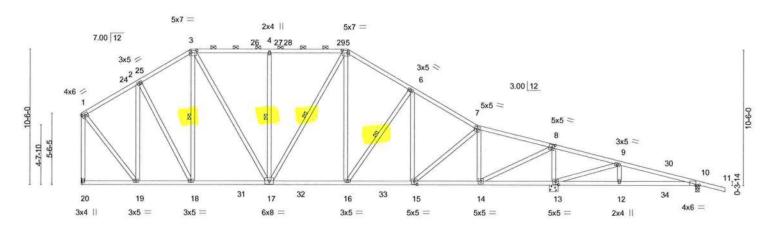
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Scale = 1:85.9



4-4	-15	8-6-5	14-7-5	20-8-	5	25-8-11	30-9-0	-1-	36-8-0		41-9-8	48-	0-0
4-4	-15	4-1-7	6-1-0	6-1-0	)	5-0-5	5-0-5	1	5-11-0		5-1-8	6-2	2-8
ets (X,Y)	[3:0-5	-4,0-2-4], [5:0-5-4,0	0-2-4], [8:0-2-4,	0-3-0], [10:0-	3-4,Edge],	[13:0-2-8,0-3-0], [1	5:0-2-8,0-	3-0]					
(psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLAT	ES	GRIP
20.0		Plate Grip DOL	1.25	TC	0.63	Vert(LL)	-0.13 1	6-17	>999	240	MT20		244/190
10.0		Lumber DOL	1.25	BC	0.61	Vert(CT)	-0.23 1	6-17	>999	180			
0.0		Rep Stress Incr	YES	WB	0.88	Horz(CT)	0.04	13	n/a	n/a			
10.0		Code FBC2020/T	PI2014	Matri	x-AS	1					Weigh	nt: 332 lb	FT = 20%
	4-4 ets (X,Y) (psf) 20.0 10.0 0.0 *	(psf) 20.0 10.0 0.0 *	4-4-15 4-1-7 ets (X,Y)— [3:0-5-4,0-2-4], [5:0-5-4,0  (psf) SPACING- 20.0 Plate Grip DOL 10.0 Lumber DOL 0.0 Rep Stress Incr	4-4-15 4-1-7 6-1-0 ets (X,Y) [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4],  (psf) SPACING- 2-0-0 20.0 Plate Grip DOL 1.25 10.0 Lumber DOL 1.25 0.0 Rep Stress Incr YES	4-4-15 4-1-7 6-1-0 6-1-0 ets (X,Y)— [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [8:0-2-4,0-3-0], [10:0-4	4-4-15	4-4-15	4-4-15	4-4-15	4-4-15	4-4-15	4-4-15	4-4-15

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

REACTIONS.

WEBS

TOP CHORD 2x4 SP No.2 2x4 SP No.2

BOT CHORD 2x4 SP No.2

20=Mechanical, 13=0-8-0, 10=0-3-8

Max Horz 20=-246(LC 10) Max Uplift 13=-112(LC 12), 10=-133(LC 12)

Max Grav 20=1581(LC 17), 13=2446(LC 2), 10=341(LC 22)

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

1-2=-988/174, 2-3=-1268/242, 3-4=-1354/264, 4-5=-1354/264, 5-6=-1658/246, 6-7=-1859/179, 7-8=-1495/37, 8-9=-331/1130, 9-10=-20/358, 1-20=-1511/172 18-19=0/898, 17-18=0/1114, 16-17=0/1388, 15-16=0/1532, 14-15=0/1452, TOP CHORD **BOT CHORD** 

13-14=-904/371, 12-13=-306/1, 10-12=-306/1

**WEBS** 2-19=-834/148, 2-18=-5/561, 3-18=-286/76, 3-17=-75/686, 4-17=-408/133, 5-16=0/590,

6-16=-350/83, 7-14=-934/216, 8-14=-294/2572, 8-13=-2027/292, 9-13=-1070/736, 9-12=-249/260, 1-19=-119/1223

### NOTES-

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- 2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 8-6-5, Exterior(2R) 8-6-5 to 13-3-15, Interior(1) 13-3-15 to 20-8-5, Exterior(2R) 20-8-5 to 25-8-11, Interior(1) 25-8-11 to 50-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.
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7) Refer to girder(s) for truss to truss connections.

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 112 lb uplift at joint 13 and 133 lb uplift
- 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.

No 34869 US LEE PE NO 2400

Structural wood sheathing directly applied, except end verticals, and

3-18, 4-17, 5-17, 6-16

2-0-0 oc purlins (4-9-6 max.): 3-5.

Rigid ceiling directly applied.

1 Row at midpt

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

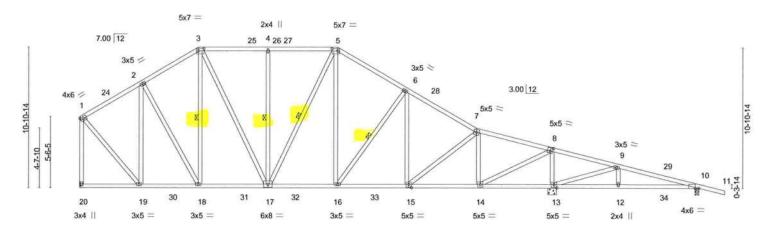
ters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MTek® 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 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/for chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Type Truss Qty Ply T26515494 TOWNSEND A7 Hip Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:07 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-6nL3MaAq26H1RhNYRC4iK09fk72KB1Xriv7h6Dzw8ck 30-9-0 5-4-8 36-8-0 5-11-0 41-9-8 5-1-8 48-0-0 6-2-8 20-0-0

Scale = 1:85.9



	4-	9-1	9-2-11	14-7-5	20-0-0	1 25	-4-8	30-9-0	13)	36-8-0	3 W	41-9-8	48-0	0-0
	4-	9-1	4-5-9	5-4-11	5-4-11	5	-4-8	5-4-8	1	5-11-0		5-1-8	6-2	-8
Plate Offs	ets (X,Y)	[3:0-5-4,0-	-2-4], [5:0-5-4,0	)-2-4], [8:0-2-4,	0-3-0], [10:0-	3-4,Edge], [13	3:0-2-8,0-3-0], [1	5:0-2-8,0-	-3-0]					
LOADING	(psf)	SPA	ACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLAT	ES	GRIP
TCLL	20.0	Plat	te Grip DOL	1.25	TC	0.66	Vert(LL)	-0.12 1	5-16	>999	240	MT20		244/190
TCDL	10.0	Lun	nber DOL	1.25	BC	0.59	Vert(CT)	-0.22 1	5-16	>999	180			
BCLL	0.0 *	Rep	Stress Incr	YES	WB	0.85	Horz(CT)	0.04	13	n/a	n/a			
BCDL	10.0	Cod	de FBC2020/T	PI2014	Matri	x-AS						Weigh	t: 336 lb	FT = 20%

BRACING-

WFBS

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

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

2x4 SP No.2

(size) 20=Mechanical, 13=0-8-0, 10=0-3-8 Max Horz 20=-254(LC 10)

Max Uplift 13=-112(LC 12), 10=-133(LC 12)

Max Grav 20=1606(LC 17), 13=2450(LC 2), 10=342(LC 22)

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

TOP CHORD 1-2=-1051/191, 2-3=-1297/269, 3-4=-1308/285, 4-5=-1308/285, 5-6=-1627/269,

6-7=-1863/199, 7-8=-1501/47, 8-9=-338/1130, 9-10=-24/354, 1-20=-1535/187 18-19=0/954, 17-18=0/1137, 16-17=0/1361, 15-16=0/1532, 14-15=0/1457,

BOT CHORD

13-14=-904/376, 12-13=-299/5, 10-12=-299/5 **WEBS** 

2-19=-764/161, 2-18=-4/481, 3-17=-86/623, 4-17=-358/131, 5-16=-1/615,

6-16=-402/103, 7-14=-930/225, 8-14=-309/2580, 8-13=-2032/302, 9-13=-1070/736,

9-12=-249/260, 1-19=-129/1248

### 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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-9-1, Interior(1) 4-9-1 to 9-2-11, Exterior(2R) 9-2-11 to 16-0-2, Interior(1) 16-0-2 to 20-0-0, Exterior(2R) 20-0-0 to 26-9-7, Interior(1) 26-9-7 to 50-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.
- \* 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 112 lb uplift at joint 13 and 133 lb uplift at joint 10.
- 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.



Structural wood sheathing directly applied, except end verticals.

3-18, 4-17, 5-17, 6-16

Rigid ceiling directly applied.

1 Row at midpt

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

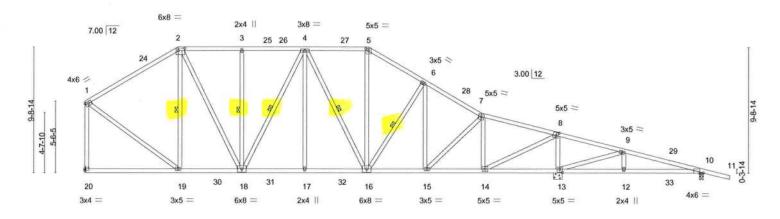
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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 anage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criterie, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Type Qty Truss Ply T26515495 TOWNSEND **A8** Hip 1 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:09 2022 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc. ID:17j64rh3s7A1hKm?TqBkGCzz2QR-29TqnGC5ajXkg?WxYd6AQREzxxlwf0W8ADcoA5zw8ci 22-0-0 30-9-0 4-4-8 36-8-0 5-11-0 41-9-8 5-1-8 48-0-0 6-2-8 17-0-5 4-9-15

Scale = 1:86.0



	t-	7-2-11 1	2-2-6	17-0-5	22-0-0	26-4-8	30-9-0	36-8-	) ,	41-9-8	48-0-0
	1	7-2-11 4-	11-11	4-9-15	4-11-11	4-4-8	4-4-8	5-11-	)	5-1-8	6-2-8
Plate Offs	sets (X,Y)	[1:Edge,0-1-12], [2:0-6	6-0,0-2-4], [5:	0-2-8,0-2-1], [8:0	-2-4,0-3-0]	, [10:0-3-4,Edge], [13	3:0-2-8,0-3-0	1			
LOADING	G (psf)	SPACING-	2-0-0	CSI		DEFL.	in (lo	c) I/defi	L/d	PLATE	S GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.11 16-1	7 >999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.52	Vert(CT)	-0.19 16-1	7 >999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.56	Horz(CT)	0.04	3 n/a	n/a		
BCDL	10.0	Code FBC2020	D/TPI2014	Matr	rix-AS	70 .03				Weight:	330 lb FT = 20%

**BRACING-**

TOP CHORD

**BOT CHORD** 

WERS

LUMBER-

REACTIONS.

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

2x4 SP No 2

(size) 20=Mechanical, 13=0-8-0, 10=0-3-8

Max Horz 20=-231(LC 10)

Max Uplift 13=-112(LC 12), 10=-133(LC 12)

Max Grav 20=1579(LC 17), 13=2422(LC 2), 10=340(LC 22)

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

TOP CHORD 1-2=-1263/213, 2-3=-1352/262, 3-4=-1352/262, 4-5=-1417/244, 5-6=-1678/253,

6-7=-1837/180, 7-8=-1468/45, 8-9=-340/1117, 9-10=-15/351, 1-20=-1465/202

18-19=0/1077, 17-18=0/1543, 16-17=0/1543, 15-16=0/1520, 14-15=0/1425, BOT CHORD

13-14=-894/378, 12-13=-297/0, 10-12=-297/0

2-19=-469/157, 2-18=-93/808, 3-18=-302/106, 4-18=-385/16, 4-17=0/334, 4-16=-348/52, WEBS

5-16=-25/576, 6-16=-295/67, 7-14=-939/214, 8-14=-311/2528, 8-13=-1997/304,

9-13=-1070/736, 9-12=-249/260, 1-19=-106/1207

### 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=48ft; eave=6ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 4-11-6, Interior(1) 4-11-6 to 7-2-11, Exterior(2R) 7-2-11 to 14-0-2, Interior(1) 14-0-2 to 22-0-0, Exterior(2R) 22-0-0 to 28-9-7, Interior(1) 28-9-7 to 50-0-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch 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.

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.
- \* 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 112 lb uplift at joint 13 and 133 lb uplift at joint 10.
- 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.



Structural wood sheathing directly applied, except end verticals.

2-19, 3-18, 4-18, 4-16, 6-16

Rigid ceiling directly applied

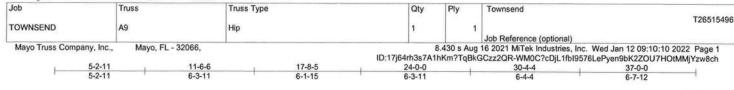
1 Row at midpt

January 13,2022

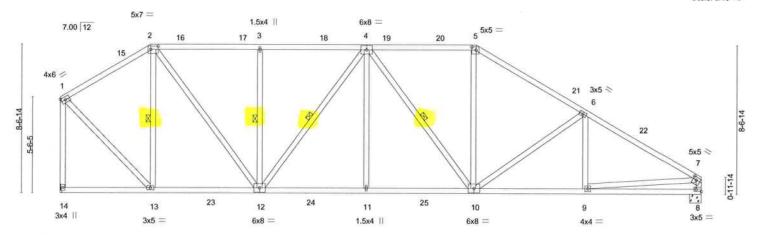
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MTE&8 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 largue. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 
ANSITPH Quality Criterie, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale: 3/16"=1"



		TOTAL STATE OF THE	3-11		1-15	6-3-				6-4-4	6-7-12	
Plate Off	sets (X,Y)		The state of the s							0.7.7	0-7-12	
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.75	Vert(LL)	-0.15	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.75	Vert(CT)	-0.27	10-11	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.07	8	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matrix	-AS	10 000					Weight: 252 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

WEBS

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

2x4 SP No 2

(size) 14=Mechanical, 8=0-8-0

Max Horz 14=-212(LC 10)

Max Uplift 14=-1(LC 12) Max Grav 14=1664(LC 19), 8=1683(LC 18)

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

TOP CHORD 1-2=-1170/80, 2-3=-1622/100, 3-4=-1622/100, 4-5=-1746/101, 5-6=-2083/88, 6-7=-2458/30, 1-14=-1598/29, 7-8=-1574/32

BOT CHORD

12-13=0/1007, 11-12=0/1916, 10-11=0/1916, 9-10=0/2029, 8-9=-24/356 2-13=-673/80, 2-12=-16/1183, 3-12=-445/86, 4-12=-486/0, 4-11=0/421, 4-10=-403/0, WEBS

5-10=0/652, 6-10=-438/56, 1-13=0/1327, 7-9=0/1684

### 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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 5-2-11, Exterior(2R) 5-2-11 to 10-5-7, Interior(1) 10-5-7 to 24-0-0, Exterior(2R) 24-0-0 to 29-2-13, Interior(1) 29-2-13 to 36-10-4 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.

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 1 lb uplift at joint 14.
- 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.



Structural wood sheathing directly applied, except end verticals.

2-13, 3-12, 4-12, 4-10

Rigid ceiling directly applied.

1 Row at midpt

MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

MARNING - 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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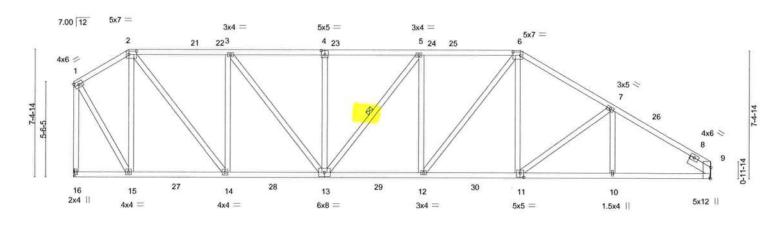
ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20801



Job Truss Truss Type Qty Ply Townsend T26515497 TOWNSEND Hip A10 1 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:09:44 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-HMSNYjuPS2OIA968btAJv9ifysAlldbSQq3\_p2zw8d5 26-0-0 31-4-4 37-0-0 5-9-3 5-4-4 5-7-12 Mayo Truss Company, Inc., Mayo, FL - 32066.

Scale: 3/16"=1"



	3-2-11	5-9-3		-7-5 7-7	5-7-		26-0-0 5-9-3		31-4-4 5-4-4	37-0- 5-7-1	
Plate Offs	ets (X,Y)	[2:0-5-4,0-2-4], [4:0-2-8,0	The second secon	000000			000		5-1-4	5-7-1	2
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc	) I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.95	Vert(LL)	-0.18 11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.73	Vert(CT)	-0.33 11-12	>999	180	(W.1971.5)	
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.13	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	k-AS					Weight: 251 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

6-9: 2x4 SP No.1 **BOT CHORD** 2x4 SP No.2 \*Except\*

9-11: 2x4 SP SS

WEBS 2x4 SP No.2

SLIDER Right 2x6 SP No.2 1-6-0

REACTIONS. (size) 9=Mechanical, 16=Mechanical

Max Horz 16=-187(LC 10)

Max Uplift 16=-1(LC 12) Max Grav 9=1692(LC 18), 16=1673(LC 19)

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

1-2=-893/76, 2-3=-1644/78, 3-4=-2079/79, 4-5=-2079/79, 5-6=-2225/79, 6-7=-2199/75, TOP CHORD

7-9=-2452/29, 1-16=-1635/23

**BOT CHORD** 14-15=0/766, 13-14=0/1684, 12-13=0/2209, 11-12=0/1828, 10-11=0/2000, 9-10=0/2000 **WEBS** 

2-15=-978/60, 2-14=-3/1518, 3-14=-908/82, 3-13=-1/726, 4-13=-264/52, 5-12=-321/78,

6-12=0/652, 6-11=0/336, 1-15=0/1365

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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-2-11, Exterior(2R) 3-2-11 to 8-5-7, Interior(1) 8-5-7 to 26-0-0, Exterior(2R) 26-0-0 to 31-4-4, Interior(1) 31-4-4 to 37-0-0 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.

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 1 lb uplift at joint 16.

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.

Structural wood sheathing directly applied, except end verticals.

5-13

Rigid ceiling directly applied.

1 Row at midpt

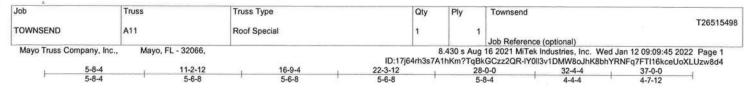
Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

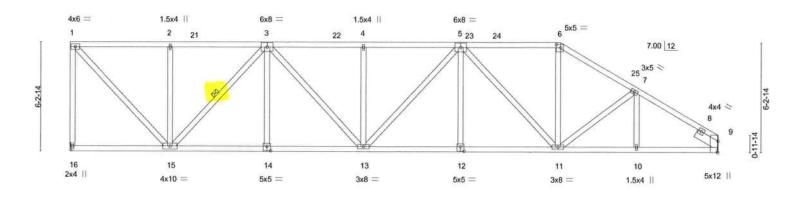
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fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

\*\*AMSI/PTI Quality Criteria, DSB-89 and BCSI Building Component
Safety Information\*\*
available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale = 1:63.2



1	5-8- 5-8-		2-12 6-8	16-9-4 5-6-8		22-3-12 5-6-8	-1	28-0-0 5-8-4	-	32-4-4 4-4-4	37-0-0 4-7-12
Plate Offs	ets (X,Y)		I], [9:0-7-13,Edge], [12:0-2-8,0-3-0], [14:0-2-8,0-3		0-2-8,0-3-0]					47474	4-7-12
LOADING TCLL TCDL	(psf) 20.0 10.0	SPACING- Plate Grip DOL Lumber DOL	2-0-0 1.25 1.25	CSI. TC BC	0.93 0.90	DEFL. Vert(LL) Vert(CT)	in (lo -0.14 12- -0.31 12-	13 >999	L/d 240 180	PLATES MT20	GRIP 244/190
BCLL BCDL	0.0 * 10.0	Rep Stress Incr Code FBC2020		WB Matrix	0.74 c-AS	Horz(CT)	0.12	9 n/a	n/a	Weight: 23	36 lb FT = 20%

BRACING-

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

BOT CHORD

TOP CHORD 2x4 SP No.2 \*Except\*

6-9: 2x4 SP No.1 2x4 SP No.2 \*Except\*

9-12: 2x4 SP No.1 WEBS 2x4 SP No.2

SLIDER Right 2x6 SP No.2 1-6-0

REACTIONS. (size) 16=Mechanical, 9=Mechanical

Max Horz 16=-174(LC 10)

Max Uplift 16=-1(LC 12)

Max Grav 16=1474(LC 1), 9=1474(LC 1)

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

1-16=-1423/61, 1-2=-1212/92, 2-3=-1212/92, 3-4=-2309/114, 4-5=-2309/114, TOP CHORD

5-6=-1742/111, 6-7=-2025/105, 7-9=-2100/73

**BOT CHORD** 14-15=0/1921, 13-14=0/1921, 12-13=0/2190, 11-12=0/2190, 10-11=-16/1701,

9-10=-16/1701 1-15=-51/1754, 2-15=-396/93, 3-15=-1041/43, 3-13=-38/569, 4-13=-410/89,

5-11=-658/10, 6-11=0/624

### NOTES-

WEBS

- 1) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 28-0-0, Exterior(2R) 28-0-0 to 31-8-6, Interior(1) 31-8-6 to 37-0-0 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
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

3) Provide adequate drainage to prevent water ponding.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1 lb uplift at joint 16.

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.



Structural wood sheathing directly applied, except end verticals.

3-15

Rigid ceiling directly applied.

1 Row at midpt

January 13,2022

A 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 dange. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

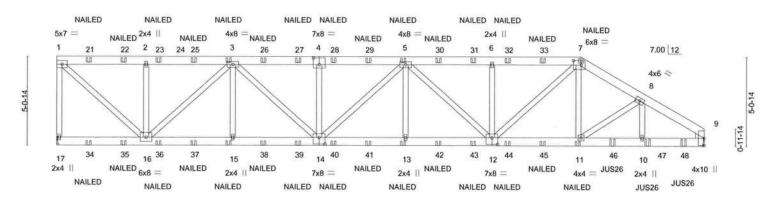
ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



74.000 P. S.		Townsend	Ply	Qty		Truss Type	Truss	ob
T2651549	nal)	Job Reference (option	2	1		Roof Special Girder	A12GIR	OWNSEND
12 09:09:59 2022 Page 1 MSvJHJWggsfBGggzw8cs						*	Mayo, FL - 32066,	Mayo Truss Company, Inc.,
37-0-0	33-6-0	30-0-0	13	24-10-	19-11-7	15-0-0	10-0-9	5-1-3
3-6-0	3-6-0	5-1-3	7	4-11-	4-11-7	4-11-7	4-11-7	5-1-3

Scale = 1:63.3



	5-1-3	10-0-9	15	-0-0	19-11-7		24-10-13			30-0-0	33-6-0	37-0-0
	5-1-3	4-11-7	4-1	11-7	4-11-7	1	4-11-7	- 1		5-1-3	3-6-0	3-6-0
Plate Offse	ets (X,Y)	[4:0-4-0,0-4-8], [7:0-5-4,0	-3-0], [12:0-4-0	,0-4-8], [14:0	0-4-0,0-4-8]							
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.36	Vert(LL)	-0.14	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.66	Vert(CT)	-0.28	13-14	>999	180	ATTERS.	
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.45	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2020/TF	PI2014	Matri	x-MS						Weight: 570	lb FT = 20%

LUMBER-

TOP CHORD 2x6 SP No.2 **BOT CHORD** 2x6 SP No.2 WERS 2x4 SP No.2

WEDGE Right: 2x4 SP No.2

BRACING-TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. 17=Mechanical, 9=Mechanical (size)

Max Horz 17=-135(LC 6) Max Uplift 17=-182(LC 8), 9=-247(LC 8) Max Grav 17=3010(LC 1), 9=3213(LC 1)

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

1-17=-2911/228, 1-2=-2908/223, 2-3=-2908/223, 3-4=-5920/418, 4-5=-5920/418, 5-6=-5508/421, 6-7=-5508/421, 7-8=-4566/345, 8-9=-4564/361 TOP CHORD

15-16=-253/4891, 14-15=-253/4891, 13-14=-341/6198, 12-13=-341/6198, **BOT CHORD** 11-12=-217/3949, 10-11=-270/3767, 9-10=-270/3767

**WEBS** 1-16=-241/3942, 2-16=-617/187, 3-16=-2711/175, 3-15=0/440, 3-14=-91/1406,

4-14=-492/137, 5-14=-380/30, 5-13=0/480, 5-12=-944/26, 6-12=-591/182,

7-12=-142/2102, 7-11=0/441

### NOTES-

- 1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc. Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to
- ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

  3) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; 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

  4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- to the use of this truss component. 5) Provide adequate drainage to prevent water ponding.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Refer to girder(s) for truss to truss connections
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 17 and 247 lb uplift at joint 9.
- 10) Use USP JUS26 (With 4-10d nails into Girder & 2-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 31-9-12 Continued be isagend to 35-9-12 to connect truss(es) to front face of bottom chord.

NO 34869

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/16/2020 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 

MSI/IPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



1	1-		100	151		
Job	Truss	Truss Type	Qty	Ply	Townsend	
TOWNSEND	A12GIR	Roof Special Girder	1	_		T26515499
		Tion openia di da		2	Job Reference (optional)	
Maria Taras Camana	Inc. Man. FI 200	cc		0 400 - 4	40 0004 MT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 00 00 00 0000 D

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:09:59 2022 Page 2 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-LEs2hr4pwfH9TTl0zXxq0KqMSvJHJWqgsfBGqgzw8cs

### NOTES-

11) Fill all nail holes where hanger is in contact with lumber.

12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

### LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-7=-60, 7-9=-60, 17-18=-20

Concentrated Loads (lb)

Vert: 7=-119(F) 3=-119(F) 15=-52(F) 13=-52(F) 5=-119(F) 11=-52(F) 21=-119(F) 22=-119(F) 23=-119(F) 25=-119(F) 26=-119(F) 27=-119(F) 28=-119(F) 29=-119(F) 30=-119(F) 31=-119(F) 32=-119(F) 32=-119(F) 33=-119(F) 33=-119(F) 33=-119(F) 33=-119(F) 33=-119(F) 35=-52(F) 35=-52(F) 36=-52(F) 37=-52(F) 38=-52(F) 39=-52(F) 40=-52(F) 41=-52(F) 42=-52(F) 43=-52(F) 43= 45=-52(F) 46=-235(F) 47=-235(F) 48=-235(F)

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIL-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 bucking 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 

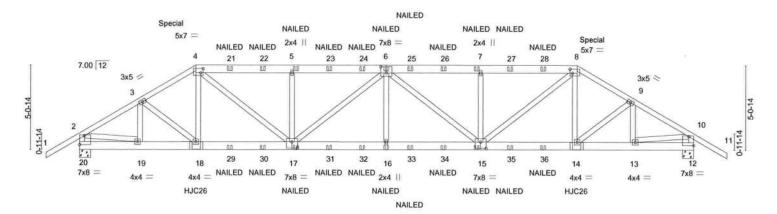
\*\*ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\*

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515500 HIP GIRDER TOWNSEND **B1GIR** 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:14 2022 Page 1 ID:17j64rh3s7AlhKm?TqBkGCzz2QR-O7GjqzGDOGA1mmPuLAiL7UxzYyRsKJ\_tJUKZsJzw8cd 24-2-2 30-0-0 33-4-4 37-0-0 39-0-0 5-8-2 5-9-14 3-4-4 3-7-12 2-0-0 Mayo Truss Company, Inc. Mayo, FL - 32066.

Scale = 1:66.8



	3-7	-12 7-0-0	12-9-14	18-6-0	24-	2-2	i i	30	-0-0	33-4-4	37-0-0
	3-7	-12 3-4-4	5-9-14	5-8-2	5-8	3-2		5-9	9-14	3-4-4	3-7-12
Plate Off	sets (X,Y)	[4:0-1-12,0-3-0], [6:0-4-0	),0-4-8], [8:0-1-1	2,0-3-0], [12:Edge,0-6-8],	[15:0-4-0,0-4-8],	[17:0-4-	0,0-4-8	, [20:Edg	e,0-6-8]	_	
LOADIN	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	I/defl	L/d	PLATE	S GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.24	Vert(LL)	-0.14	16	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.60	Vert(CT)	-0.28	16	>999	180	700.000	
BCLL	0.0	Rep Stress Incr	NO	WB 0.35	Horz(CT)	0.07	12	n/a	n/a	****	
BCDL	10.0	Code FBC2020/	TPI2014	Matrix-MS						Weight:	545 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\* 4-6,6-8: 2x6 SP No.2

BOT CHORD 2x6 SP No.2

2x4 SP No.2 WEBS

REACTIONS.

(size) 20=0-8-0, 12=0-8-0 Max Horz 20=114(LC 24)

Max Uplift 20=-237(LC 8), 12=-237(LC 8)

Max Grav 20=3000(LC 1), 12=3000(LC 1)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown. TOP CHORD 2-3=-4009/276, 3-4=-4462/337, 4-5=-5768/458, 5-6=-5764/456, 6-7=-5764/456,

7-8=-5768/458, 8-9=-4462/337, 9-10=-4009/276, 2-20=-2862/255, 10-12=-2862/255

19-20=-69/366, 18-19=-153/3394, 17-18=-160/3838, 16-17=-296/6332, 15-16=-296/6332, BOT CHORD

14-15=-149/3838, 13-14=-141/3394, 12-13=-3/348

**WEBS** 3-19=-717/71, 3-18=-104/639, 4-18=0/422, 4-17=-198/2497, 5-17=-861/245,

6-17=-754/0, 6-16=0/587, 6-15=-754/0, 7-15=-861/245, 8-15=-198/2497, 8-14=0/422,

9-14=-104/639, 9-13=-717/71, 2-19=-211/3140, 10-13=-211/3140

# NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc, 2x6 - 2 rows staggered at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

Unbalanced roof live loads have been considered for this design.

- 4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=37ft; eave=5ft; 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
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

Provide adequate drainage to prevent water ponding.

- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 237 lb uplift at joint 20 and 237 lb uplift at joint 12.
- 10) Use USP HJC26 (With 16-16d nails into Girder & 10d nails into Truss) or equivalent spaced at 22-11-4 oc max. starting at 7-0-6 from the left end to 29-11-10 to connect truss(es) to back face of bottom chord.

Continued on bages where hanger is in contact with lumber.

No 3486

Structural wood sheathing directly applied or 5-11-9 oc purlins,

"Special" indicates special hanger(s) or other connection device(s) required at location(s)shown. The design/selection of such special connection device(s) is the responsibility of others. This applies

Rigid ceiling directly applied or 10-0-0 oc bracing.

to all applicable truss designs in this job.

except end verticals.

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022



A						
Job	Truss	Truss Type	Qty	Ply	Townsend	accompanies of the second
TOWNSEND	B1GIR	HIP GIRDER	1	,		T26515500
MANUAL TRANSPORT AND ADDRESS OF THE PARTY OF		1.370 - 1.00 Mar (30) (F. W. S. )			Job Reference (optional)	
Mayo Truss Compa	ny, Inc., Mayo, FL - 32	066,			g 16 2021 MiTek Industries, Inc. Wed Jan 12 09	
			ID:17j64rh3s7A1h	Km?TqBkC	GCzz2QR-O7GjqzGDOGA1mmPvLAiL7UxzYyR	sKJ_tJUKZsJzw8cd

# NOTES-

12) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

13) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 229 lb down and 162 lb up at 7-0-0, and 229 lb down and 162 lb up at 30-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

### LOAD CASE(S) Standard

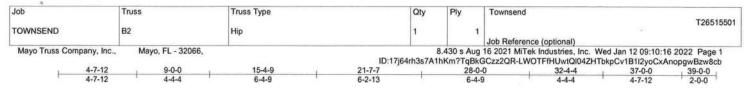
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)
Vert: 1-2=-60, 2-4=-60, 4-8=-60, 8-10=-60, 10-11=-60, 12-20=-20

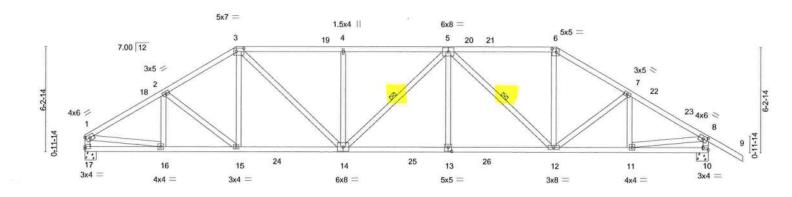
Concentrated Loads (lb)

Vert: 4=-182(B) 8=-182(B) 18=-279(B) 17=-52(B) 5=-119(B) 6=-119(B) 16=-52(B) 15=-52(B) 7=-119(B) 14=-279(B) 21=-119(B) 22=-119(B) 23=-119(B) 24=-119(B) 25=-119(B) 26=-119(B) 27=-119(B) 29=-52(B) 30=-52(B) 31=-52(B) 32=-52(B) 33=-52(B) 34=-52(B) 36=-52(B) 36=-





Scale = 1:65.9



		9-0-0	1 1	5-4-9	1	21-7-7	i	28-0-	0	1	32-4-4	37-0-0	- 9
4-7-	-12	4-4-4		3-4-9	1	6-2-13		6-4-9	9	- 10	4-4-4	4-7-12	- 1
ets (X,Y)	[3:0-5-4,	0-2-4], [6:0-3-0,0	-2-4], [8:0-2-14	,0-2-0], [10:E	Edge,0-1-8],	[13:0-2-8,0-3-0]							
(psf)	SI	PACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d		PLATES	GRIP
20.0	PI	ate Grip DOL	1.25	TC	0.69	Vert(LL)	-0.24	13-14	>999	240		MT20	244/190
10.0	Lu	imber DOL	1.25	BC	0.94	Vert(CT)	-0.45	13-14	>972	180			
0.0 *	Re	ep Stress Incr	YES	WB	0.39	Horz(CT)	0.10	10	n/a	n/a			
10.0	Co	ode FBC2020/T	PI2014	Matri	k-AS	1 2 2						Weight: 228 lb	FT = 20%
	4-7. ets (X,Y) (psf) 20.0 10.0 0.0 *	(psf) SI 20.0 PI 10.0 Lu 0.0 Re	4-7-12 4-4-4 ets (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0  (psf) SPACING- 20.0 Plate Grip DOL 10.0 Lumber DOL 0.0 Rep Stress Incr	4-7-12 4-4-4 (east (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14] (psf) SPACING- 2-0-0 (psf) Plate Grip DOL 1.25 (10.0 Lumber DOL 1.25 (10.0 Rep Stress Incr YES)	4-7-12 4-4-4 6-4-9 ets (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:8  (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 10.0 Lumber DOL 1.25 BC 0.0 Rep Stress Incr YES WB	4-7-12 4-4-4 6-4-9 ets (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8],  (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 0.69 10.0 Lumber DOL 1.25 BC 0.94 0.0 Rep Stress Incr YES WB 0.39	4-7-12 4-4-4 6-4-9 6-2-13  ats (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8], [13:0-2-8,0-3-0]  (psf) SPACING- 2-0-0 CSI. DEFL.  20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL)  10.0 Lumber DOL 1.25 BC 0.94 Vert(CT)  0.0 Rep Stress Incr YES WB 0.39 Horz(CT)	4-7-12 4-4-4 6-4-9 6-2-13  ats (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8], [13:0-2-8,0-3-0]  (psf) SPACING- 2-0-0 CSI. DEFL. in 20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL) -0.24  10.0 Lumber DOL 1.25 BC 0.94 Vert(CT) -0.45  0.0 Rep Stress Incr YES WB 0.39 Horz(CT) 0.10	4-7-12 4-4-4 6-4-9 6-2-13 6-4-5  ets (X,Y)— [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8], [13:0-2-8,0-3-0]  (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) 20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL) -0.24 13-14 10.0 Lumber DOL 1.25 BC 0.94 Vert(CT) -0.45 13-14 0.0 Rep Stress Incr YES WB 0.39 Horz(CT) 0.10 10	4-7-12 4-4-4 6-4-9 6-2-13 6-4-9  ats (X,Y) [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8], [13:0-2-8,0-3-0]  (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) l/defl 20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL) -0.24 13-14 >999  10.0 Lumber DOL 1.25 BC 0.94 Vert(CT) -0.45 13-14 >972  0.0 * Rep Stress Incr YES WB 0.39 Horz(CT) 0.10 10 n/a	4-7-12 4-4-4 6-4-9 6-2-13 6-4-9  ats (X,Y)— [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8], [13:0-2-8,0-3-0]  (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) I/defl L/d 20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL) -0.24 13-14 >999 240  10.0 Lumber DOL 1.25 BC 0.94 Vert(CT) -0.45 13-14 >972 180  0.0 * Rep Stress Incr YES WB 0.39 Horz(CT) 0.10 10 n/a n/a	4-7-12	4-7-12 4-4-4 6-4-9 6-2-13 6-4-9 4-4-4 4-7-12  ats (X,Y)— [3:0-5-4,0-2-4], [6:0-3-0,0-2-4], [8:0-2-14,0-2-0], [10:Edge,0-1-8], [13:0-2-8,0-3-0]  (psf) SPACING- 2-0-0 CSI. DEFL. in (loc) I/defl L/d PLATES  20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL) -0.24 13-14 >999 240 MT20  10.0 Lumber DOL 1.25 BC 0.94 Vert(CT) -0.45 13-14 >972 180  0.0 * Rep Stress Incr YES WB 0.39 Horz(CT) 0.10 10 n/a n/a

BRACING-

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

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

2x4 SP No.2 WEBS

REACTIONS. (size) 17=0-8-0, 10=0-8-0

Max Horz 17=-132(LC 10)

Max Uplift 10=-54(LC 12)

Max Grav 17=1658(LC 17), 10=1776(LC 18)

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

TOP CHORD 1-2=-2325/26, 2-3=-2267/55, 3-4=-2497/75, 4-5=-2497/75, 5-6=-1927/61, 6-7=-2247/50,

7-8=-2287/14, 1-17=-1562/24, 8-10=-1680/81 16-17=-20/338, 15-16=0/2033, 14-15=0/1974, 13-14=0/2498, 12-13=0/2498, **BOT CHORD** 

11-12=0/1888

WEBS 3-15=0/318, 3-14=-16/859, 4-14=-448/88, 5-13=0/296, 5-12=-823/5, 6-12=0/787,

1-16=0/1720, 8-11=0/1750

### 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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 9-0-0, Exterior(2R) 9-0-0 to 14-2-13, Interior(1) 14-2-13 to 28-0-0, Exterior(2R) 28-0-0 to 33-2-13, Interior(1) 33-2-13 to 39-0-0 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.

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.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 10.

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.



Structural wood sheathing directly applied, except end verticals.

5-14, 5-12

Rigid ceiling directly applied.

1 Row at midpt

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January 13,2022

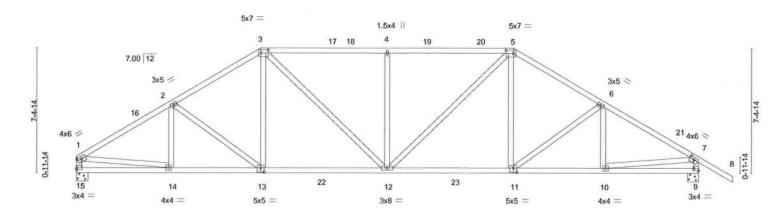
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE

Design valid for use only with MTek® 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 ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515502 TOWNSEND ВЗ Hip Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:17 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-piyrT?I6hBYcdE8T0JG2k7ZOm9OVXeEJ?SYDSezw8ca 18-6-0 7-6-0 26-0-0 7-6-0 31-4-4 5-4-4

Scale = 1:65.9



			0-0		-6-0		26-0-0			31-4-4	37-0-0	
		The state of the s	4-4		6-0		7-6-0			5-4-4	5-7-12	
Plate Off	sets (X,Y)	[1:Edge,0-1-12], [3:0-5-4	,0-2-4], [5:0-5	-4,0-2-4], [7:0-	3-0,0-1-12],	[9:Edge,0-1-8], [11	1:0-2-8,0	)-3-0], [	13:0-2-8,	0-3-0]		
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.56	Vert(LL)	-0.21	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.92	Vert(CT)	-0.39	12-13	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(CT)	0.08	9	n/a	n/a		
BCDL	10.0	Code FBC2020/7	PI2014	Matri	x-AS	1000					Weight: 226 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2

**BOT CHORD** WEBS 2x4 SP No.2

REACTIONS. (size) 15=0-8-0, 9=0-8-0 Max Horz 15=-153(LC 10)

Max Uplift 9=-54(LC 12)

Max Grav 15=1663(LC 17), 9=1784(LC 18)

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

TOP CHORD 1-2=-2398/27, 2-3=-2162/76, 3-4=-2192/78, 4-5=-2192/78, 5-6=-2151/72, 6-7=-2374/17,

1-15=-1565/27, 7-9=-1687/83

14-15=-29/398, 13-14=0/2102, 12-13=0/1873, 11-12=0/1800, 10-11=0/1955 2-13=-285/51, 3-13=0/382, 3-12=0/635, 4-12=-506/98, 5-12=0/642, 5-11=0/367, **BOT CHORD** WEBS

6-11=-260/51, 1-14=0/1720, 7-10=0/1754

### 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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 11-0-0, Exterior(2R) 11-0-0 to 16-2-13, Interior(1) 16-2-13 to 26-0-0, Exterior(2R) 26-0-0 to 31-4-4, Interior(1) 31-4-4 to 39-0-0 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.
- 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.
  7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 9.
  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.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

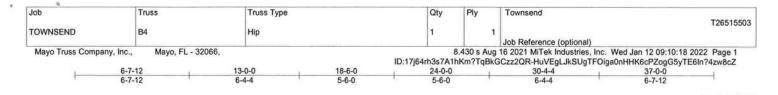
6904 Parke East Blvd. Tampa FL 33610

January 13,2022

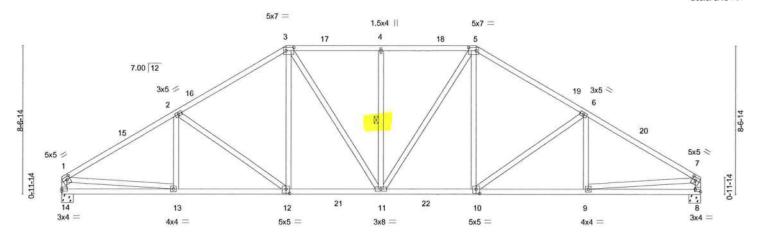
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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 well 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/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





Scale: 3/16"=1"



	1	6-7-12	13-0-0	18-6-0	24	1-0-0		30-4-4	37-0-0	
		6-7-12	6-4-4	5-6-0	5	-6-0		6-4-4	6-7-12	1
Plate Offsets (X,Y) [1:0-2-4,0-2-0], [3:0-5-4,0-2-4], [5:0-5-4,0-2-4], [7:0-2-4,0-2-0]				-2-4], [7:0-2-4,0-2-0], [8	:Edge,0-1-8], [10:0	-2-8,0-3-0], [12	:0-2-8,0-3	3-0]		
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.37	Vert(LL)	-0.14 10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC 0.67	Vert(CT)	-0.27 12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.48	Horz(CT)	0.08 8	n/a	n/a	0.000 0.000 0.000 0.000 0.000	
BCDL	10.0	Code FBC2020/T	PI2014	Matrix-AS	Control Section (				Weight: 236 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

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

2x4 SP No.2

(size) 14=0-8-0, 8=0-8-0 Max Horz 14=-158(LC 10)

Max Grav 14=1658(LC 17), 8=1658(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 1-2=-2417/33, 2-3=-2042/91, 3-4=-1853/96, 4-5=-1853/96, 5-6=-2042/91, 6-7=-2417/33,

1-14=-1549/34, 7-8=-1548/34

13-14=-62/463, 12-13=0/2113, 11-12=0/1749, 10-11=0/1689, 9-10=0/1995, 8-9=-24/351 **BOT CHORD WEBS** 

2-12=-448/58, 3-12=0/451, 3-11=-2/424, 4-11=-354/63, 5-11=-2/424, 5-10=0/451, 6-10=-448/58, 1-13=0/1661, 7-9=0/1657

# 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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 13-0-0, Exterior(2R) 13-0-0 to 18-6-0, Interior(1) 18-6-0 to 24-0-0, Exterior(2R) 24-0-0 to 29-2-13, Interior(1) 29-2-13 to 36-10-4 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.

- \* 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) 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.



Structural wood sheathing directly applied, except end verticals.

4-11

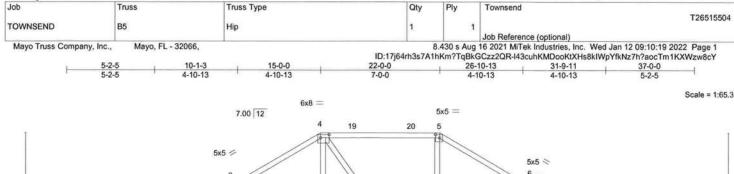
Rigid ceiling directly applied.

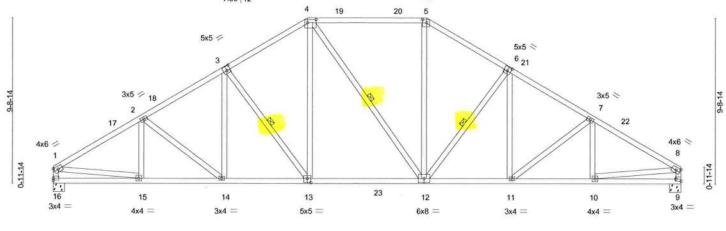
1 Row at midpt

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January 13,2022







	1	17.70	-1-3	15-0-0		22-0-0		10-13		-9-11	37-0-0
		5-2-5 4-1	0-13	4-10-13		7-0-0	4-	10-13	4-	10-13	5-2-5
Plate Offsets (X,Y) [3:0-2-8,0-3-0], [4:0-6-0,0-2-4], [5:0-3-0,0-2-4], [6:0-2-8,0-3-0], [9						:Edge,0-1-8], [13:0	-2-8,0-3-0]				
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.55	Vert(LL)	-0.25 12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.74	Vert(CT)	-0.45 12-13	>972	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.38	Horz(CT)	0.08 9	n/a	n/a		
BCDL	10.0	Code FBC2020/1	PI2014	Matri	x-AS					Weight: 24	7 lb FT = 20%

BRACING-

WEBS

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 \*Except\*

12-13: 2x4 SP No.1

WEBS 2x4 SP No.2

**REACTIONS.** (size) 16=0-8-0, 9=0-8-0

Max Horz 16=-179(LC 10)

Max Grav 16=1647(LC 17), 9=1642(LC 18)

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

TOP CHORD 1-2=-2352/31, 2-3=-2190/64, 3-4=-1833/106, 4-5=-1556/116, 5-6=-1816/106,

6-7=-2182/63, 7-8=-2344/31, 1-16=-1549/28, 8-9=-1543/28

BOT CHORD 15-16=-71/384, 14-15=0/2091, 13-14=0/1911, 12-13=0/1620, 11-12=0/1792,

10-11=0/1949, 9-10=-15/256

WEBS 3-14=0/329, 3-13=-494/43, 4-13=0/630, 5-12=0/583, 6-12=-497/42, 6-11=0/333,

1-15=0/1726, 8-10=0/1712

### 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=37ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) 0-1-12 to 3-10-2, Interior(1) 3-10-2 to 15-0-0, Exterior(2R) 15-0-0 to 20-2-13, Interior(1) 20-2-13 to 22-0-0, Exterior(2R) 22-0-0 to 27-2-13, Interior(1) 27-2-13 to 36-10-4 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
- 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.

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) 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.



Structural wood sheathing directly applied, except end verticals.

3-13, 4-12, 6-12

Rigid ceiling directly applied.

1 Row at midpt

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

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

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Job Truss Truss Type Qty Ply Townsend T26515505 TOWNSEND C1GIR Hip Girder 2 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:21 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-hTBMJMLdlP226rRFF9K\_vzkAemvFTWAvw4WRcPzw8cW Mayo Truss Company, Inc. Mayo, FL - 32066 10-10-0 3-10-0 18-0-4

Scale = 1:41.8

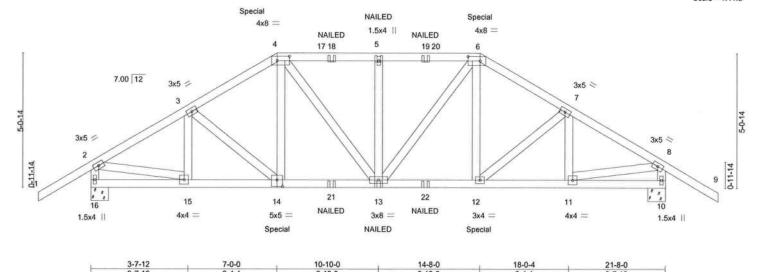


Plate Off	sets (X,Y)	3-7-12 [4:0-5-8,0-2-0], [6:0-5-8,0	3-4-4 -2-0], [14:0-2-8	,0-3-0]	3-10-0	3-	10-0		3	-4-4	3-7-12	
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	-0.03	13	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.29	Vert(CT)	-0.07	13-14	>999	180	200.000	
BCLL	0.0	Rep Stress Incr	NO	WB	0.20	Horz(CT)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS	7,555,555,6					Weight: 286 lb	FT = 20%

LUMBER-

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

2x4 SP No.2

BRACING-TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins.

except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing. **BOT CHORD** 

REACTIONS. (size) 16=0-8-0, 10=0-8-0

Max Horz 16=113(LC 7)

Max Uplift 16=-159(LC 8), 10=-158(LC 8) Max Grav 16=1703(LC 1), 10=1700(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2094/155, 3-4=-2191/216, 4-5=-2146/216, 5-6=-2146/216, 6-7=-2193/213,

7-8=-2086/157, 2-16=-1656/176, 8-10=-1650/177

**BOT CHORD** 14-15=-85/1750, 13-14=-100/1847, 12-13=-78/1858, 11-12=-44/1743

3-15=-316/73, 4-14=0/387, 4-13=-39/514, 5-13=-534/158, 6-13=-45/496, 6-12=0/411, WERS

7-11=-325/68, 2-15=-109/1752, 8-11=-111/1744

# NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows: Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

Unbalanced roof live loads have been considered for this design.

- 4) 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
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

6) 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 16 and 158 lb uplift at joint 10.

10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 229 lb down and 161 lb up at 7-0-0, and 229 lb down and 161 lb up at 14-8-0 on top chord, and 297 lb down and 23 lb up at 7-0-0, and 297 lb down and 23 lb up at 14-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.



Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

### COARLEASE(SheStandard

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 MT ek® 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 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Townsend	T26515505
TOWNSEND	C1GIR	Hip Girder	1			126515505
					Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:21 2022 Page 2 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-hTBMJMLdlP226rRFF9K\_vzkAemvFTWAvw4WRcPzw8cW

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-2=-60, 2-4=-60, 4-6=-60, 6-8=-60, 8-9=-60, 10-16=-20

Concentrated Loads (lb)

Vert: 4=-182(B) 6=-182(B) 14=-279(B) 13=-52(B) 5=-119(B) 12=-279(B) 18=-119(B) 19=-119(B) 21=-52(B) 22=-52(B)



Job Truss Truss Type Qty Ply Townsend T26515506 TOWNSEND C2 Hip 1 Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:22 2022 Page 1
ID:17j64rh3s7A1hKm?TqBkGCzz2QR-9flkWiMFWjAuk?0RpsrDRAHJfAFdCzS29kG\_8rzw8cV Mayo Truss Company, Inc. Mayo, FL - 32066 17-0-4 Scale = 1:41.4 4x8 = 4x4 = 5 7.00 12 3x5 / 3x5 < 6 3 6-2-14 4x6 < 4x6 = 0-11-14 0-11-14 12 11 10 9 13 1.5x4 || 4x4 = 5x5 = 3x8 = 4x4 = 4-7-12 4-7-12 Plate Offsets (X,Y)--[2:0-2-14,0-2-0], [4:0-5-8,0-2-0], [11:0-2-8,0-3-0] SPACING-LOADING (psf) 2-0-0 CSI DEFL. in (loc) l/defl L/d **PLATES** GRIP Plate Grip DOL 1.25 0.29 -0.03244/190 TCLL 20.0 TC Vert(LL) >999 240 11 MT20 TCDL 10.0 1.25 BC 0.28 Vert(CT) -0.06 11-12 >999 180 Lumber DOL BCLL 0.0 Rep Stress Incr WB 0.20 Horz(CT) YES 0.02 BCDL 10.0 Code FBC2020/TPI2014 Matrix-AS Weight: 138 lb FT = 20%

> BRACING-TOP CHORD

**BOT CHORD** 

LUMBER-

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

WEBS 2x4 SP No.2

REACTIONS. (size) 13=0-8-0, 8=0-8-0 Max Horz 13=127(LC 11)

Max Uplift 13=-55(LC 12)

Max Grav 13=990(LC 1), 8=849(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. RD 2-3=-1114/31, 3-4=-931/74, 4-5=-753/72, 5-6=-938/71, 6-7=-1136/26, 2-13=-943/79, TOP CHORD

7-8=-799/27

**BOT CHORD** 11-12=-23/899, 10-11=0/743, 9-10=0/925

WEBS 5-10=0/254, 2-12=0/864, 7-9=0/781

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 1) Orbital Country (1) Orb
- 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.

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 55 lb uplift at joint 13.
- 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.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

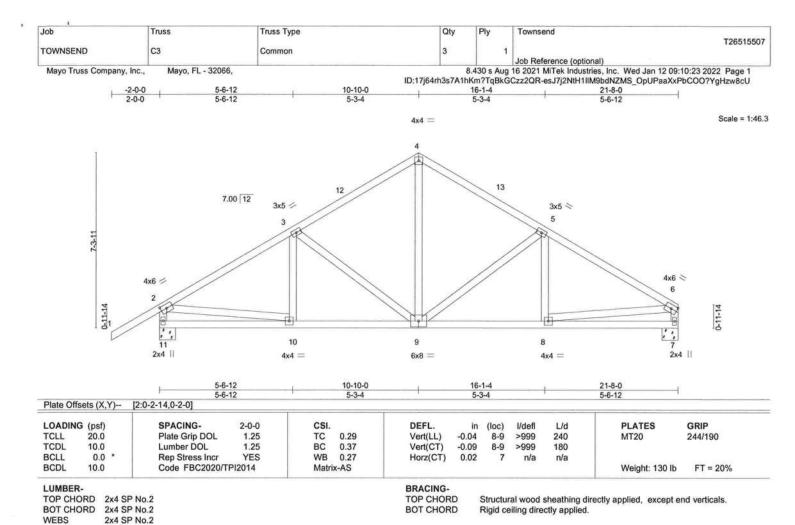
January 13,2022

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 

\*\*AMSI/PTI Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601





REACTIONS.

(size) 11=0-8-0, 7=0-8-0 Max Horz 11=145(LC 11)

Max Uplift 11=-55(LC 12) Max Grav 11=990(LC 1), 7=849(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. RD 2-3=-1131/49, 3-4=-844/98, 4-5=-846/102, 5-6=-1148/52, 2-11=-936/111, 6-7=-795/46 TOP CHORD

**BOT CHORD** 9-10=-11/903, 8-9=-6/925

**WEBS** 4-9=-11/469, 5-9=-361/57, 3-9=-335/54, 2-10=-8/808, 6-8=0/737

# 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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 10-10-0, Exterior(2R) 10-10-0 to 13-10-0, Interior(1) 13-10-0 to 21-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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 55 lb uplift at joint 11.

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.



MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022



Job Truss Truss Type Qty Ply Townsend T26515508 TOWNSEND C4GIR COMMON GIRDER 2 Job Reference (optional) Mayo Truss Company, Inc. Mayo, FL - 32066 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:27 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-WdYdZQQNKFoBqmuOcPRO8E\_4hBswt3hol0zlp2zw8cQ

13-5-10 2-7-10 16-1-4

4x6 ||

Scale = 1:47.3

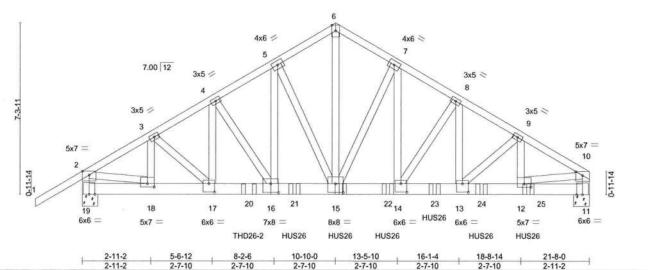


Plate Offsets (X,Y)--[12:0-3-8,0-1-12], [13:0-3-0,0-4-4], [14:0-3-0,0-4-4], [15:0-4-0,0-4-8], [16:0-4-0,0-4-8], [17:0-3-0,0-4-4], [18:0-3-8,0-1-12] LOADING (psf) SPACING-2-0-0 CSI DEFL. in I/defl 1/d **PLATES** GRIP (loc) Plate Grip DOL 1.25 0.66 -0.13244/190 TCLL 20.0 TC Vert(LL) >999 240 14 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.66 Vert(CT) -0.25 14 >999 180 BCLL 0.0 Rep Stress Inci NO WB 0.90 Horz(CT) 0.05 11 n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-MS Weight: 360 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x6 SP SS

WEBS 2x4 SP No.2 BRACING-TOP CHORD

Structural wood sheathing directly applied or 3-6-0 oc purlins,

except end verticals

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 19=0-8-0, 11=0-8-0 Max Horz 19=143(LC 7)

Max Grav 19=6011(LC 1), 11=7597(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-7807/0, 3-4=-9352/0, 4-5=-9039/0, 5-6=-7600/0, 6-7=-7601/0, 7-8=-9144/0,

8-9=-10423/0, 9-10=-10135/0, 2-19=-5664/0, 10-11=-7113/0

18-19=-69/724, 17-18=0/6654, 16-17=0/8069, 15-16=0/7675, 14-15=0/7853,

**BOT CHORD** 13-14=0/9002, 12-13=0/8682, 11-12=0/935 WEBS

6-15=0/7370, 7-15=-2922/0, 7-14=0/3357, 8-14=-2038/0, 8-13=0/2136, 9-13=-205/517,

9-12=-566/253, 5-15=-2585/216, 5-16=-191/2990, 4-16=-591/114, 4-17=-95/445,

3-17=0/1877, 3-18=-2056/14, 2-18=0/6138, 10-12=0/7972

### 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 0-7-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Unbalanced roof live loads have been considered for this design.

4) Wind: ASCE 7-16; 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

5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

8) Bearing at joint(s) 19, 11 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. 9) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 7-1-8 from the left end to connect

truss(es) to front face of bottom chord. 10) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12 from the left end to 19-0-12 to connect truss(es) to front face of bottom chord.

11) Fill all nail holes where hanger is in contact with lumber.

Continued on page 2 LOAD CASE(S) Standard

MiTek

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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



6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

	1966					
Job	Truss	Truss Type	Qty	Ply	Townsend	
5555	A CASE OF	10000 01000 C			0 250	T26515508
TOWNSEND	C4GIR	COMMON GIRDER	4	_		120010000
TOWNSEND	C4GIK	COMMON GIRDER	3	2	LL D ( / )	
				Ann	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:27 2022 Page 2  $ID:17j64rh3s7A1hKm?TqBkGCzz2QR-WdYdZQQNKFoBqmuOcPRO8E\_4hBswt3hol0zlp2zw8cQ$ 

LOAD CASE(S) Standard

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

Vert: 1-2=-60, 2-6=-60, 6-10=-60, 11-19=-20 Concentrated Loads (lb)

Vert: 15=-1454(F) 20=-2990(F) 21=-1454(F) 22=-1448(F) 23=-1373(F) 24=-1373(F) 25=-1373(F)

Job Truss Truss Type Qty Ply Townsend T26515509 TOWNSEND CJ01 Diagonal Hip Girder Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:29 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-S0gO\_5Rest3v442njqTsDf3QY?ZHL774mKSsuxzw8cO 4-11-6 9-10-13 Scale = 1:31.3 NAILED NAILED 11 4.95 12 NAILED 3x4 = NAILED 10 NAILED NAILED 0-11-9 12 13 14 6 7 NAILED 10x10 1.5x4 > 5 4x4 = NAIL FD NAILED NAILED NAILED NAILED 9-10-13 8-10-13 4-11-6 1-0-0 Plate Offsets (X,Y)--[8:Edge,0-7-11] LOADING (psf) SPACING-2-0-0 DEFL. CSI. (loc) I/def L/d **PLATES** GRIP TC BC TCLL 20.0 Plate Grip DOL 1.25 0.70 Vert(LL) -0.06 6-7 >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 0.60 Vert(CT) -0.126-7 >936 180 BCLL 0.0 Rep Stress Incr WB 0.20 NO Horz(CT) -0.01n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-MS FT = 20% Weight: 54 lb LUMBER-BRACING-TOP CHORD 2x4 SP No.2 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, 2x4 SP No.2 **BOT CHORD** except end verticals. 2x4 SP No.2 WEBS **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=1-0-1, 4=Mechanical, 5=Mechanical

Max Horz 8=155(LC 8)

Max Uplift 8=-199(LC 8), 4=-43(LC 8), 5=-13(LC 8) Max Grav 8=514(LC 28), 4=147(LC 1), 5=278(LC 28)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-8=-517/184, 2-3=-513/53

7-8=-478/64, 6-7=-84/417

**BOT CHORD** WEBS 2-7=0/753, 3-6=-496/100

# 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); 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 199 lb uplift at joint 8, 43 lb uplift at joint 4 and 13 lb uplift at joint 5.

7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines. 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: 1-2=-60, 2-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 9=122(F=61, B=61) 11=-64(F=-32, B=-32) 12=63(F=32, B=32) 13=11(F=6, B=6) 14=-35(F=-17, B=-17)

No 34869 SIONAL Julius Lee PE No.34869

MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

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

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ANSI/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Wakforf, MD 20601



Job Truss Truss Type Qty Piy Townsend T26515510 TOWNSEND CJ02 Diagonal Hip Girder 3 Job Reference (optional) Mayo, FL - 32066, Mayo Truss Company, Inc., 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:31 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-POo8PnTuOUJdJOCArFWKJ49l2oFlp1dNDexzyqzw8cM 9-10-13 Scale = 1:31.3 9-4-0 NAILED NAILED 11 4.95 12 NAILED 3x4 = NAILED 10 5-0-9 NAILED NAILED 0-11-9 12 13 14 6 7 10x10 NAILED 1.5x4 > 5 4x4 = NAILED NAILED NAILED NAILED NAILED 8-10-13 9-10-13 Plate Offsets (X,Y)--[8:Edge,0-7-11] LOADING (psf) SPACING-2-0-0 CSI. DEFL in (loc) I/defl L/d **PLATES** GRIP TC BC TCLL 20.0 Plate Grip DOL 1.25 0.70 Vert(LL) -0.06 6-7 >999 240 244/190 TCDL 10.0 Lumber DOL 1.25 0.60 Vert(CT) -0.126-7 >936 180 BCLL 0.0 Rep Stress Incr WB NO 0.20 Horz(CT) -0.014 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-MS Weight: 54 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 except end verticals. 2x4 SP No.2 WEBS **BOT CHORD** Rigid ceiling directly applied or 6-0-0 oc bracing. REACTIONS. (size) 8=0-11-5, 4=Mechanical, 5=Mechanical Max Horz 8=155(LC 8) Max Uplift 8=-199(LC 8), 4=-43(LC 8), 5=-13(LC 8)

Max Grav 8=514(LC 28), 4=147(LC 1), 5=278(LC 28)

FORCES. (ib) - Max. Comp./Max. Ten. - All forces 250 (ib) or less except when shown. TOP CHORD 2-8=-517/184, 2-3=-513/53 BOT CHORD 7-8=-478/64, 6-7=-84/417

WEBS 2-7=0/753, 3-6=-496/100

# 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); 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 199 lb uplift at joint 8, 43 lb uplift at joint 4 and 13 lb uplift at joint 5.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 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: 1-2=-60, 2-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 9=122(F=61, B=61) 11=-64(F=-32, B=-32) 12=63(F=32, B=32) 13=11(F=6, B=6) 14=-35(F=-17, B=-17)

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January 13,2022

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

Design valid for use only with MTek® 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 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 properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/PH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515511 TOWNSEND CJ03 Diagonal Hip Girder Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066. 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:32 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-lbMWc7UW9oRUxXnMPy1ZrHhwwCgKYXCXSlhWUGzw8cL 7-0-13 Scale = 1:23.3 9-4-6 NAILED NAILED 10 3x4 = 4.95 12 NAILED NAILED 3x4 = 2 0-11-9 11 12 6 7 NAILED NAILED NAILED NAILED 1.5x4 6-0-13 2-6-7 7-0-13 LOADING (psf) CSI. SPACING-2-0-0 DEFL. in (loc) I/defl L/d PLATES GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.69 Vert(LL) -0.01 6-7 >999 240 244/190 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.26 Vert(CT) -0.03 >999 180 BCLL 0.0 Rep Stress Incr NO WB 0.05 Horz(CT) -0.00 BCDL 10.0 Code FBC2020/TPI2014 Matrix-MP Weight: 40 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 except end verticals. 2x4 SP No.2 WEBS BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. REACTIONS.

(size) 8=0-11-8, 4=Mechanical, 5=Mechanical

Max Horz 8=127(LC 8) Max Uplift 8=-143(LC 8), 4=-29(LC 8), 5=-12(LC 5) Max Grav 8=426(LC 28), 4=114(LC 17), 5=143(LC 29)

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

TOP CHORD 2-8=-413/140, 2-3=-277/25

2-7=-29/289 WEBS

# 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); 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 143 lb uplift at joint 8, 29 lb uplift at joint 4 and 12 lb uplift at joint 5.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines 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: 1-2=-60, 2-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 9=61(B) 11=31(F=-1, B=32) 12=0(F=-5, B=6)

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Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022



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

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ANSUTH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



.lob Truss Truss Type Qty Ply Townsend T26515512 TOWNSEND CJ04 Diagonal Hip Girder Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:33 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-LnvuqTU8w5ZLYhMYygYoOVE12c0FH\_TghyQ41izw8cK 7-0-14 3-6-7 Scale = 1:23.3 NAILED NAILED 3x4 = 4.95 12 10 NAILED 3-10-9 NAILED 3x4 = 0-11-9 11 12 6 NAILED NAILED 1.5x4 4x4 = NAILED NAILED 1.5x4 || 6-0-14 2-6-7 LOADING (psf) SPACING-CSI. 2-0-0 DEFL in (loc) I/defl L/d PLATES GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.92 Vert(LL) -0.016-7 >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.21 Vert(CT) -0.03 >999 180 6-7 BCLL 0.0 Rep Stress Incr NO WB 0.05 Horz(CT) n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-MP FT = 20% Weight: 40 lb

LUMBER-

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

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 6-0-0 oc purlins,

except end verticals.

**BOT CHORD** 

Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS.

(size) 8=0-11-5, 4=Mechanical, 5=Mechanical

Max Horz 8=127(LC 8)

Max Uplift 8=-193(LC 8), 4=-24(LC 8), 5=-18(LC 5) Max Grav 8=392(LC 28), 4=126(LC 17), 5=131(LC 29)

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

TOP CHORD 2-8=-393/181, 2-3=-251/77

WEBS 2-7=-53/275

# 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); 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.
- Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 193 lb uplift at joint 8, 24 lb uplift at joint 4 and 18 lb uplift at joint 5.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
- 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: 1-2=-60, 2-4=-60, 5-8=-20

Concentrated Loads (lb)

Vert: 9=122(F=61, B=61) 11=63(F=32, B=32) 12=11(F=6, B=6)



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January 13,2022

Marking - 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 ANSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515513 TOWNSEND CJ05 Diagonal Hip Girder Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:34 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-pzTH1pVmhPhBArxIWN31winHW0J40RgpvcAdZ9zw8cJ 7-0-14 3-4-3 Scale = 1:22.7 NAILED NAILED 4.95 12 12 2-10-9 NAILED NAILED 11 2 0-4-0 13 14 6 7 NAILED 1.5x4 > 1.5x4 || 3×4 NAILED NAILED NAILED 6-0-14 Plate Offsets (X,Y)-[2:0-1-4,Edge] LOADING (psf) 2-0-0 CSI. DEFL. PLATES GRIP in (loc) 1/defl L/d TCLL 20.0 Plate Grip DOL 1.25 TC 0.62 Vert(LL) -0.03 7-10 >999 240 244/190 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.43 Vert(CT) 0.03 180 7-10 >999 BCLL 0.0 Rep Stress Incr NO WR 0.05 Horz(CT) 0.00 n/a 5 n/a BCDL Code FBC2020/TPI2014 10.0 Matrix-MP Weight: 33 lb FT = 20% LUMBER-BRACING-

TOP CHORD

**BOT CHORD** 

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

WEBS

REACTIONS.

(size) 4=Mechanical, 2=0-9-2, 5=Mechanical

Max Horz 2=112(LC 24)

Max Uplift 4=-22(LC 8), 2=-207(LC 8), 5=-57(LC 5) Max Grav 4=103(LC 17), 2=427(LC 28), 5=150(LC 29)

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

TOP CHORD BOT CHORD

2-3=-367/94

2-7=-120/292, 6-7=-120/292

WEBS

3-6=-341/140

# 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); cantilever left and right exposed; end vertical left and right exposed; porch left 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 22 lb uplift at joint 4, 207 lb uplift at joint 2 and 57 lb uplift at joint 5.
- 7) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines 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: 11=73(F=36, B=36) 13=81(F=41, B=41) 14=5(F=3, B=3)



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

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Design valid for use only with MTRe% 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, eraction and bracing of trusses and truss systems, see

\*\*ANS/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\*

\*\*available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515514 TOWNSEND D1GIR Hip Girder Job Reference (optional) Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:35 2022 Page 1 Mayo Truss Company, Inc., ID:17j64rh3s7A1hKm?TqBkGCzz2QR-H91fF9WPSjp2o?Wx45aGTwJZ7PjpltZz8GvA5bzw8cl 13-0-0 Scale = 1:28.8 Special Special 4x8 4x4 = NAILED 3 10 11 7.00 12 3-10-14 3x5 > 3x5 = 5 0-11-14 0-11-14 £ 12 7 NAILED 4x4 = 4x8 = 1.5x4 || 1.5x4 || Special Special 8-0-0 13-0-0 3-0-0 Plate Offsets (X,Y)--[3:0-5-8,0-2-0] LOADING (psf) SPACING-2-0-0 CSI. DEFL in I/defl L/d PLATES GRIP (loc) TCLL 20.0 Plate Grip DOL 1.25 TC 0.18 Vert(LL) -0.01 6-7 >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.14 Vert(CT) -0.02 6-7 >999 180 BCLL 0.0 Rep Stress Incr NO WB 0.07 Horz(CT) 0.00 6 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-MS Weight: 153 lb FT = 20%LUMBER-BRACING-TOP CHORD 2x4 SP No.2 Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD 2x4 SP No.2 **BOT CHORD** except end verticals. 2x4 SP No.2 **BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (size) 9=0-8-0, 6=0-8-0

Max Horz 9=87(LC 7) Max Uplift 9=-121(LC 8), 6=-58(LC 8) Max Grav 9=878(LC 1), 6=729(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-933/119, 3-4=-752/120, 4-5=-942/118, 2-9=-827/149, 5-6=-677/86

**BOT CHORD** 7-8=-74/750

2-8=-101/664, 5-7=-117/623 WEBS

# NOTES.

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc

Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Unbalanced roof live loads have been considered for this design.

4) 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

5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

6) Provide adequate drainage to prevent water ponding.

- 7) 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 121 lb uplift at joint 9 and 58 lb uplift at

10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 146 lb down and 126 lb up at 5-0-0, and 133 lb down and 124 lb up at 8-0-0 on top chord, and 156 lb down and 33 lb up at 5-0-0, and 161 lb down and 34 lb up at 7-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

# LOAD CASE(S) Standard

Continued on page 2

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January 13,2022



Job	Truss	Truss Type	Qty	Ply	Townsend	
TOWNSEND	D1GIR	Hip Girder	1	2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T26515514
					Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066.

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:35 2022 Page 2 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-H91fF9WPSjp2o?Wx45aGTwJZ7PjpltZz8GvA5bzw8cl

### LOAD CASE(S) Standard

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

Vert: 1-2=-60, 2-3=-60, 3-4=-60, 4-5=-60, 6-9=-20

Concentrated Loads (lb)

Vert: 3=-99(F) 4=-86(F) 8=-84(F) 7=-111(F) 11=-57(F) 12=-26(F)



Job Truss Truss Type Qty Ply Townsend T26515515 TOWNSEND D2 Common 2 Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:36 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-IMb1SVX1D0xvP957eo5V07si7p3HUKF6Nvfkd1zw8cH 6-6-0 3-1-4 13-0-0 3-4-12 Scale = 1:30.7 4x4 = 7.00 12 3x5 / 3x5 > 3 4x6 < 4x6 / 0-11-14 0-11-14 10 9 8 71.5x4 || 4x4 = 3x8 = 4x4 = 1.5x4 || 13-0-0 Plate Offsets (X,Y)-- [2:0-2-14,0-2-0], [5:0-0-0,0-0-0] LOADING (psf) SPACING-CSI. DEFL. I/defl L/d **PLATES** GRIP in (loc) TCLL 20.0 Plate Grip DOL 1.25 TC 0.29 Vert(LL) -0.01 >999 240 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 BC 0.13 Vert(CT) -0.02 8-9 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.11 Horz(CT) 0.00 7 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-AS Weight: 81 lb FT = 20%LUMBER-BRACING-TOP CHORD 2x4 SP No 2 TOP CHORD Structural wood sheathing directly applied, except end verticals. **BOT CHORD BOT CHORD** Rigid ceiling directly applied.

REACTIONS.

2x4 SP No.2

2x4 SP No.2 WEBS

(size) 11=0-8-0, 7=0-8-0

Max Horz 11=102(LC 11) Max Uplift 11=-57(LC 12)

Max Grav 11=648(LC 1), 7=497(LC 1)

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

TOP CHORD **BOT CHORD** 

2-3=-568/70, 3-4=-462/95, 4-5=-464/96, 5-6=-593/71, 2-11=-612/148, 6-7=-460/63 9-10=-36/441, 8-9=-39/471

WEBS

4-9=-29/256, 2-10=-52/489, 6-8=-18/399

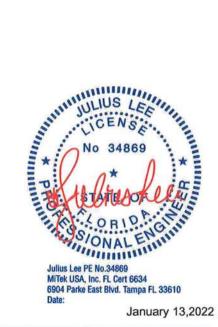
- 1) Unbalanced roof live loads have been considered for this design.
  2) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2E) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-6-0, Exterior(2R) 6-6-0 to 9-7-4, Interior(1) 9-7-4 to 12-10-4 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) 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 57 lb uplift at joint 11.

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.



January 13,2022

rameters 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 property 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 buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and 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 buckling of individual truss when the property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515516 TOWNSEND D3GIR COMMON GIRDER Job Reference (optional) Mayo, FL - 32066 Mayo Truss Company, Inc., 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:39 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-AxHA4WZvVxJUGcpiJwfCdmUCt1vhhbAZ3ttOEMzw8cE 10-7-11 13-0-0 2-0-13 4x4 = Scale = 1:30.6 3x5 / 3x5 < 7.00 12 3x5 = 3x5 < 3 4x6 > 4x6 = 8 0-11-14 10 18 16 17 14 13 12 11 7x8 = 6x6 = 6x8 = 6x6 = 7x8 = THD26-2 HUS26 HUS26 2-4-5 4-5-3 6-6-0 8-6-13 10-7-11 13-0-0

Plate Offs	sets (X,Y)	[2:0-2-14,0-2-0], [6:0-0-0	0-0-0], [7:0-0-0	0,0-0-0], [10:0	)-3-8,0-4-4],	[11:0-3-0,0-4-0], [1	2:0-4-0	,0-4-4],	[13:0-3-0	,0-4-0], [14:0	)-3-8,0-4-4]	
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.33	Vert(LL)	-0.04	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.85	Vert(CT)	-0.08	11-12	>999	180		2111100
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.48	Horz(CT)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS						Weight: 200 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2

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

(size) 15=0-8-0, 9=0-8-0

Max Horz 15=99(LC 7)

Max Grav 15=2726(LC 1), 9=4521(LC 1)

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

TOP CHORD 2-3=-3164/0, 3-4=-3705/0, 4-5=-4038/0, 5-6=-4037/0, 6-7=-5322/0, 7-8=-5399/0,

2-15=-2590/5, 8-9=-4073/0

**BOT CHORD** 13-14=0/2673, 12-13=0/3176, 11-12=0/4581, 10-11=0/4605, 9-10=0/507 WEBS

3-14=-835/0, 3-13=0/694, 4-13=-729/50, 4-12=-104/649, 5-12=0/3846, 6-12=-2017/0,

6-11=0/2242, 7-11=-322/76, 7-10=-49/363, 2-14=0/2622, 8-10=0/4285

# NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc. Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-3-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated

3) Unbalanced roof live loads have been considered for this design.

- 4) Wind: ASCE 7-16; 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

  5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- to the use of this truss component.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Bearing at joint(s) 15, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 9) Use USP THD26-2 (With 18-16d nails into Girder & 12-10d nails into Truss) or equivalent at 7-1-8 from the left end to connect truss(es) to back face of bottom chord. 10) Use USP HUS26 (With 14-16d nails into Girder & 6-16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 9-0-12
- from the left end to 11-0-12 to connect truss(es) to back face of bottom chord. 11) Fill all nail holes where hanger is in contact with lumber.

# LOAD CASE(S) Standard

Continued on page 2



Structural wood sheathing directly applied or 5-4-4 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

sters 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 designer must verify the applicability of design parameters and properly incorporate this design into the overall building designs. Bracking 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 ucallapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

ANSUTHI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waklorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Townsend	11.01 to 11.77 (2000)
TOWNSEND	D3GIR	COMMON GIRDER	1	_		T26515516
				2	Job Reference (optional)	

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:39 2022 Page 2 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-AxHA4WZvVxJUGcpiJwfCdmUCt1vhhbAZ3ttOEMzw8cE

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf) Vert: 1-2=-60, 2-5=-60, 5-8=-60, 9-15=-20

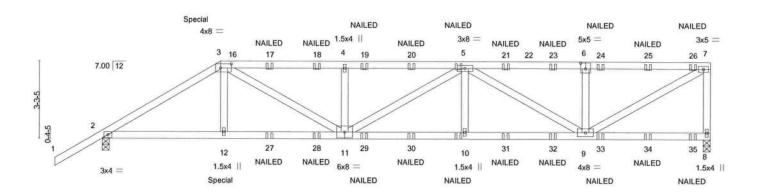
Concentrated Loads (lb)

Vert: 16=-3193(B) 17=-1454(B) 18=-1454(B)



Job	Truss	Truss Type	Qty	Ply	Townsend	100-	
TOWNSEND	E1GIR	Half Hip Girder	1			Т	T2651551
The state of the s	(*STATECHARM)	The second secon	***		Job Reference (option	onal)	
Mayo Truss Company,	Inc., Mayo, FL - 32066					ries, Inc. Wed Jan 12 09:10:44 2022 F	
			ID:17j64rh3s7A1h	nKm?TqBkG	Czz2QR-Wu437Ed2KI	UxnNNig6UFNKpB292jMMvVID9b9wZz	zw8c9
-2-0-0	5-0-0	10-2-14	15-4-0		20-5-2	25-8-0	
2-0-0	5-0-0	5-2-14	5-1-2		5-1-2	5-2-14	

Scale = 1:46.9



	1	5-0-0	10	-2-14		15-4-0	7		20-5-2		25-8-0	
		5-0-0	5-	2-14		5-1-2			5-1-2		5-2-14	
Plate Offs	sets (X,Y)	[3:0-5-8,0-2-0], [6:0-2-8,0	-3-0]			4						
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.42	Vert(LL)	-0.09	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(CT)	-0.19	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MS	70.00					Weight: 268 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

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

WEBS

2x4 SP No.2

(size) 8=0-3-8, 2=0-3-8

Max Horz 2=105(LC 7) Max Uplift 8=-253(LC 5), 2=-330(LC 8) Max Grav 8=1660(LC 1), 2=1653(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-3=-2667/460, 3-4=-3395/581, 4-5=-3395/581, 5-6=-2240/369, 6-7=-2240/369,

7-8=-1558/261

**BOT CHORD** 2-12=-423/2237, 11-12=-425/2250, 10-11=-555/3422, 9-10=-555/3422

WEBS 3-12=-48/410, 3-11=-189/1346, 4-11=-487/112, 5-10=0/354, 5-9=-1370/228,

6-9=-397/96, 7-9=-383/2525

### NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc

Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

- 2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- 3) Unbalanced roof live loads have been considered for this design.
- 4) Wind: ASCE 7-16; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=26ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 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.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 8 and 330 lb uplift at joint 2.
- 10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
   11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 126 lb down and 106 lb up at 5-0-0 on top chord, and 200 lb down and 54 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

## Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634

Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

except end verticals.

6904 Parke East Blvd. Tampa FL 33610

January 13,2022

### COMPLEASE (SpeStandard

eters 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 show, 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 language. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see 

ANS/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job	Truss	Truss Type	Qty	Ply	Townsend	
TOWNSEND	E1GIR	Half Hip Girder	1	2	Job Reference (optional)	T26515517

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:44 2022 Page 2 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-Wu437Ed2KUxnNNig6UFNKpB292jMMvVID9b9wZzw8c9

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-7=-60, 8-13=-20

Concentrated Loads (lb)

Vert: 3=-79(F) 12=-123(F) 10=-32(F) 5=-61(F) 17=-61(F) 18=-61(F) 19=-61(F) 20=-61(F) 21=-61(F) 23=-61(F) 24=-61(F) 25=-61(F) 26=-73(F) 27=-32(F) 28=-32(F) 29=-32(F) 30=-32(F) 31=-32(F) 32=-32(F) 33=-32(F) 35=-36(F)



Job Truss Truss Type Qty Ply Townsend T26515518 TOWNSEND H1 HALF HIP Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:45 2022 Page 1

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

ID:17j64rh3s7A1hKm?TqBkGCzz2QR-\_5eRLaeg5n4e\_XHsfBmct1kJXRAZ5QORRpKiS0zw8c8

Structural wood sheathing directly applied, except end verticals

Rigid ceiling directly applied.

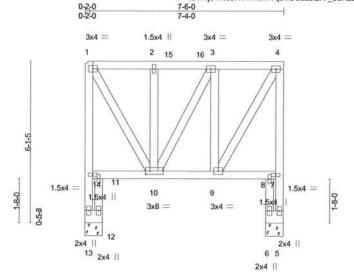


Plate Off	sets (X,Y)	[10:0-2-0,0-1-8]										
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.06	Vert(LL)	-0.00	10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.05	Vert(CT)	-0.01	9-10	>999	180	,	2111100
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS						Weight: 75 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 2x6 SP No.2 \*Except\* **BOT CHORD** 

7-14: 2x4 SP No.2 WEBS 2x4 SP No.2

REACTIONS. All bearings 0-8-0.

Max Uplift All uplift 100 lb or less at joint(s) 5, 13 (lb) -

Max Grav All reactions 250 lb or less at joint(s) 5, 13, 12, 6

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

- 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 Corner(3) 0-1-12 to 3-1-12, Exterior(2) 3-1-12 to 4-4-4, Corner(3) 4-4-4 to 7-4-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate arip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

3) Provide adequate drainage to prevent water ponding.

- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 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) 5, 13.
- 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.



6904 Parke East Blvd. Tampa FL 33610

January 13,2022

refers 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 design. Bracing indicated is to prevent before with possible personal injury and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property design. Bracing indicated in the personal injury and property design. Bracing individual building components and property design individual building components. Bracing individual building components and property design individual building components and property design individual building components. Bracing individual building components and property design individual building components and p



Job Truss Truss Type Qty Townsend T26515519 TOWNSEND H2 Half Hip Job Reference (optional)

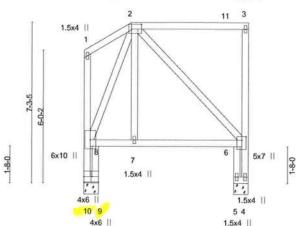
Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:47 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-xTmBmFfwdPKLErQEnco4ySpS3FoLZFTkv7ppWuzw8c6

7.00 12 1.5x4 ||

Scale = 1:50.3



7-6-0 5-4-0

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

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.82	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(CT)	-0.05	6-7	>999	180		210100
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(CT)	-0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS				****	780	Weight: 72 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

REACTIONS. All bearings 0-8-0.

(lb) - Max Horz 10=198(LC 9)

Max Uplift All uplift 100 lb or less at joint(s) 4, 5 except 10=-708(LC 8), 9=-817(LC 9)

Max Grav All reactions 250 lb or less at joint(s) 5 except 4=298(LC 17), 10=995(LC 11), 9=759(LC 10)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 4-6=-365/194, 8-10=-1557/1297

**BOT CHORD** 7-8=-193/253, 6-7=-191/256, 9-10=-337/321

WEBS 2-8=-268/83, 8-9=-1461/1535

### 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) 0-1-12 to 2-2-0, Exterior(2R) 2-2-0 to 6-4-15, Interior(1) 6-4-15 to 7-4-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 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.
- 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) 4, 5 except (jt=lb) 10=708, 9=817.
- 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 USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

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

Design valid for use only with MTek® 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/TPH Quality Criterie, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qtv Ply Townsend T26515520 TOWNSEND НЗ HALF HIP

Mayo Truss Company, Inc.

Mayo, FL - 32066,

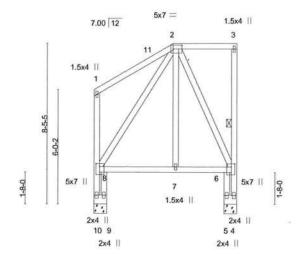
Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:48 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-PgJZzbgYOiSCr??RLJJJVfMlgf9llkJt8nZM3Lzw8c5

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

1 Row at midpt

Scale = 1:58.3



4-2-0

Plate Offse	ets (X,Y)	[2:0-5-8,0-2-8], [6:0-2-0,0	[2:0-5-8,0-2-8], [6:0-2-0,0-2-4], [8:0-2-0,0-2-4]									
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.15	Vert(CT)	-0.02	7-8	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.17	Horz(CT)	-0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-AS		100000		1.11.54	100	Weight: 79 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2

**BOT CHORD** 2x6 SP No.2 \*Except\*

6-8: 2x4 SP No.2 2x4 SP No.2 \*Except\* WEBS

1-10: 2x4 SP No.1

All bearings 0-8-0 REACTIONS.

(lb) - Max Horz 10=57(LC 12)

Max Uplift All uplift 100 lb or less at joint(s) 4 except 9=-219(LC 12)

All reactions 250 lb or less at joint(s) 9, 5 except 4=284(LC 1), 10=299(LC 18)

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

TOP CHORD 4-6=-280/106, 8-10=-364/2

WEBS 8-9=-185/351

### 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) 0-1-12 to 3-1-12, Interior(1) 3-1-12 to 4-2-0, Exterior(2E) 4-2-0 to 7-4-4 zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

- 4) 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.
- \* 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) 4 except (jt=lb) 9=219.
- 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.



January 13,2022

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ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Type Qty Ply Townsend T26515521 TOWNSEND Jack-Open 33 1 Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066. 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:48 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-PgJZzbgYOiSCr??RLJJJVfMh2f4Dlmxt8nZM3Lzw8c5 -2-0-0 2-0-0 Scale = 1:29.5 7.00 12 5-0-14 5-0-14 3x4 || 0-11-14 \* 3x4 = LOADING (psf) SPACING-2-0-0 CSI. DEFL. I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.55 Vert(LL) -0.09 4-5 >878 240 MT20 244/190

LUMBER-

TCDL

BCLL

BCDL

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

10.0

0.0

10.0

BRACING-

Vert(CT)

Horz(CT)

-0.20

0.06

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied, except end verticals.

Weight: 27 lb

FT = 20%

180

n/a

Rigid ceiling directly applied.

4-5 >401

3

n/a

REACTIONS.

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

Code FBC2020/TPI2014

Max Horz 5=156(LC 12)

Max Uplift 5=-21(LC 12), 3=-58(LC 12)

Lumber DOL

Rep Stress Incr

Max Grav 5=421(LC 1), 3=180(LC 17), 4=124(LC 3)

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

TOP CHORD 2-5=-357/141

### 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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-11-4 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

BC

WB 0.00

Matrix-AS

0.51

- 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.

1.25

YES

- \* 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) 5, 3.
- 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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January 13,2022



Job Truss Truss Type Qty Ply T26515522 TOWNSEND 1 J1A Jack-Open Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:49 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-tstyBxhB90a3T9adu1qY1tuwr2Ui1DB1MRlwbnzw8c4 5-0-0 -2-0-0 2-0-0 Scale = 1:22.5 7.00 12 3-10-14 2x4 || 6 0-11-14 Ď. 3x4 || 5-0-0 LOADING (psf) SPACING-2-0-0 DEFL. CSI **PLATES** GRIP (loc) I/defl L/d TCLL 20.0 Plate Grip DOL 1.25 TC Vert(LL) 0.29 -0.024-5 240 244/190 >999 MT20 TCDL 10.0 Lumber DOL 1.25 BC Vert(CT) -0.05 0.23 4-5 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.02 3 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-AS Weight: 21 lb FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

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

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

Max Horz 5=128(LC 12)

Max Uplift 5=-32(LC 12), 3=-39(LC 12)

Max Grav 5=349(LC 1), 3=119(LC 17), 4=87(LC 3)

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

TOP CHORD 2-5=-299/144

### 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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-11-4 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.
- \* 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) 5, 3.
- 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.



Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

January 13,2022

🛦 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 
\*\*ANS/ITPH Quality Criterie, DSB-89 and BCSI Building Composately Information\*\*
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\*\*ANS/ITPH Quality Criterie, DSB-89 and BCSI Building Composately Information\*\*



Job Truss Truss Type Qty Ply Townsend T26515523 TOWNSEND J<sub>1</sub>B Common Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:51 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-pE?ibdiRhdqnjSk00St06I\_E8s6xV2tKqln0ffzw8c2 -2-0-0 2-0-0 7-0-0 Scale = 1:31.5 4x4 = 4 7.00 12 5x5 / 0-11-14 5 3x4 = Plate Offsets (X,Y)--[2:0-2-0,0-1-12] LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) I/defl L/d **PLATES** GRIP TC BC TCLL 20.0 Plate Grip DOL 1.25 0.43 Vert(LL) -0.07 6-7 >999 240 MT20 244/190 10.0 TCDL 1.25 0.50 Lumber DOL Vert(CT) -0.15 6-7 >535 180 BCLL 0.0 Rep Stress Incr WB YES 0.37 0.00 5 Horz(CT) n/a n/a BCDL Code FBC2020/TPI2014 10.0 Matrix-AS Weight: 42 lb FT = 20% LUMBER-**BRACING-**

TOP CHORD

BOT CHORD

REACTIONS.

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

(size) 7=0-8-0, 5=Mechanical

Max Horz 7=134(LC 12) Max Uplift 7=-36(LC 12), 5=-33(LC 12)

Max Grav 7=421(LC 1), 5=255(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. 2-7=-320/171

TOP CHORD

6-7=-302/524 **BOT CHORD** 

WEBS 2-6=-528/304

### 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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 6-6-0, Exterior(2E) 6-6-0 to 7-0-0 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.

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

6) Refer to girder(s) for truss to truss connections.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 7, 5.

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.

No ? JULIUS LEE ONAL

Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

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\*\*ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515524 TOWNSEND J1C 11 Jack-Open Job Reference (optional) Mayo, FL - 32066, Mayo Truss Company, Inc., 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:53 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-ld7S0JkhCF4VymuO7tvUCj3cPgrhz1AcH3G7kYzw8c0 5-0-0 5-0-0 -2-0-0 2-0-0 Scale = 1:22.5 7.00 12 3-3-5 0-4-5 Plate Offsets (X,Y)-- [2:0-1-7,0-1-0] LOADING (psf) SPACING-2-0-0 CSI. DEFL. (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.26 -0.02 240 Vert(LL) 244/190 4-7 >999 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) -0.05 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 Code FBC2020/TPI2014 BCDL 10.0 Matrix-AS Weight: 20 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.

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

Max Horz 2=112(LC 12) Max Uplift 3=-30(LC 12), 2=-43(LC 12)

Max Grav 3=121(LC 1), 2=342(LC 1), 4=87(LC 3)

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

### NOTES-

REACTIONS.

- 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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-11-4 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.



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January 13,2022

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ANS/ITP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515525 TOWNSEND .12 Jack-Open 8 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:54 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-DphrEflJzYCMawTbhaQjkwcna3BsiUQmWj0hG\_zw8c? -2-0-0 2-0-0 7.00 12 3-10-14 3-10-14 3-5-15 2x4 || 6 0-11-14 3x4 || LOADING (psf) SPACING-2-0-0 CSI. DEFL. in I/defl PLATES GRIP (loc) L/d TCLL 20.0 Plate Grip DOL 1.25 TC 0.29 Vert(LL) -0.02 4-5 >999 240 244/190 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.23 Vert(CT) -0.05 4-5 >999 180 BCLL 0.0 WB Rep Stress Incr YES 0.00 Horz(CT) 0.02 3 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-AS Weight: 21 lb FT = 20%

LUMBER-

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

BRACING-

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied, except end verticals.

Rigid ceiling directly applied.

REACTIONS.

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

Max Horz 5=128(LC 12) Max Uplift 5=-32(LC 12), 3=-39(LC 12) Max Grav 5=349(LC 1), 3=119(LC 17), 4=87(LC 3)

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

2-5=-299/144

### 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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 to 4-11-4 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.
- \* 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) 5, 3.
- 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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January 13,2022

🛦 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 MTek® 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 Composately Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waklorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515526 TOWNSEND J2C Jack-Open Job Reference (optional)

8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:54 2022 Page 1
ID:17j64rh3s7A1hKm?TqBkGCzz2QR-DphrEflJzYCMawTbhaQjkwcoO3DOiUQmWj0hG\_zw8c? Mayo Truss Company, Inc., Mayo, FL - 32066, 3-0-0 -2-0-0 2-0-0 Scale = 1:16.8 7.00 12 2-1-5 0-4-5 2x4 =

Plate Offsets (X,Y)-- [2:0-1-7,0-1-0] LOADING (psf) SPACING-2-0-0 CSI. DEFL. in (loc) I/defl L/d **PLATES** GRIP Plate Grip DOL 1.25 TCLL 20.0 TC 0.24 Vert(LL) -0.00 >999 240 244/190 MT20 TCDL 10.0 Lumber DOL 1.25 BC 0.07 Vert(CT) -0.01 >999 180 BCLL 0.0 Rep Stress Incr YES WB 0.00 Horz(CT) 0.00 3 n/a

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

REACTIONS.

BCDL

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

10.0

2x4 SP No.2

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

Code FBC2020/TPI2014

Max Horz 2=84(LC 12)

Max Uplift 3=-10(LC 12), 2=-61(LC 12)

Max Grav 3=58(LC 17), 2=278(LC 1), 4=47(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 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

Matrix-MP

- 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.

No No ONA Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634

Weight: 13 lb

Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

FT = 20%

6904 Parke East Blvd. Tampa FL 33610

January 13,2022

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/10/2020 BEFORE USE.

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\*\*ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\*
\*\*available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Truss Type Job Truss Qty Ply Townsend T26515527 TOWNSEND J3 Jack-Open 11 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:55 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-i0EDR\_lxksKDB41nFlxyH88ybTZZRxgvlNlEoRzw8c\_ Scale = 1:16.8 0-4-15 7.00 12 3x4 || 2 0-11-14 Ď, À. 1.5x4 || LOADING (psf) SPACING-2-0-0 DEFL (loc) I/defl **PLATES** TCLL TC BC 20.0 Plate Grip DOL 1.25 0.28 Vert(LL) -0.00 4-5 >999 240 MT20 244/190 10.0 1.25 Lumber DOL 0.08 Vert(CT) -0.00 4-5 >999 180 WB 0.00 0.0 BCLL Rep Stress Inci YES

Horz(CT)

**BRACING-**

TOP CHORD

**BOT CHORD** 

0.01

n/a

except end verticals

n/a

Rigid ceiling directly applied or 10-0-0 oc bracing.

Structural wood sheathing directly applied or 3-0-0 oc purlins,

Weight: 14 lb

FT = 20%

LUMBER-

REACTIONS.

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

10.0

WEBS 2x4 SP No.2

Code FBC2020/TPI2014

(size) 5=0-8-0, 3=Mechanical, 4=Mechanical Max Horz 5=100(LC 12) Max Uplift 5=-47(LC 12), 3=-17(LC 12) Max Grav 5=290(LC 1), 3=52(LC 17), 4=47(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) -2-0-0 to 1-0-0, Interior(1) 1-0-0 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

Matrix-MR

- 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.
- \* 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) 5, 3.

A No Julius Lee PE No.34869 MITek USA, Inc. FL Cert 6634

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January 13,2022

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

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\*\*ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Con-Safety Information\*\* available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



6904 Parke East Blvd Tampa, FL 36610

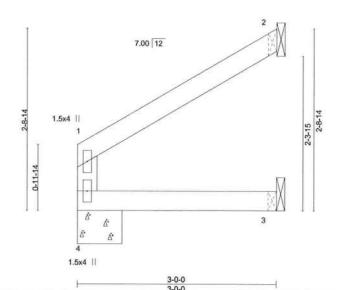
Job Truss Truss Type Qty Ply Townsend T26515528 TOWNSEND J3A Jack-Open Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:56 2022 Page 1

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

ID:17j64rh3s7A1hKm?TqBkGCzz2QR-ACobfKmaVAS4pDczp?SBpLhAvtvWAOw3z1VnKtzw8bz

Scale = 1:16.7



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defi	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.11	Vert(LL)	-0.00	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	-0.01	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.01	2	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MR	1 1					Weight: 11 lb	FT = 20%

LUMBER-

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

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins,

except end verticals. Rigid ceiling directly applied or 10-0-0 oc bracing.

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

Max Horz 4=54(LC 12) Max Uplift 2=-30(LC 12) Max Grav 4=112(LC 1), 2=79(LC 17), 3=54(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) 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) 2.



January 13,2022

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

Design valid for use only with MT6480 connectors. This area included with the season of the season o



.lob Truss Truss Type Qty Ply Townsend T26515529 TOWNSEND J3C Jack-Open 2 Job Reference (optional) Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:57 2022 Page 1 Mayo Truss Company, Inc., ID:17j64rh3s7A1hKm?TqBkGCzz2QR-eOMzsgnCGTaxRNBAMi\_QMZDIIHFCvrACChELsJzw8by 1-0-0 Scale = 1:10.9 0-11-5 0-11-5 7.00 12 2 9-9-0 3x4 1-0-0

LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	0.00	7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.06	Vert(CT)	0.00	7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-MP	8, 19,					Weight: 7 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 BRACING-

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 1-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

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

Max Horz 2=57(LC 12)

Max Uplift 3=-29(LC 1), 2=-118(LC 12), 4=-53(LC 1) Max Grav 3=26(LC 12), 2=281(LC 1), 4=43(LC 12)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) 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) 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, 4 except (jt=lb) 2=118.



January 13,2022

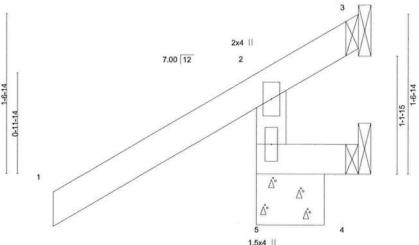
ters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 5/19/2020 BEFORE USE.

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Ply Qty Job Truss Truss Type Townsend T26515530 TOWNSEND J4 Jack-Open 11 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:57 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-eOMzsgnCGTaxRNBAMi\_QMZDIdHFAvrACChELsJzw8by 1-0-0 Scale = 1:10.9



LOADING (psf) SPACING-2-0-0 CSI. DEFL (loc) I/defl L/d **PLATES** GRIP TCLL 20.0 Plate Grip DOL 1.25 TC 0.31 Vert(LL) 0.00 5 >999 240 MT20 244/190 TCDL 10.0 1.25 BC Lumber DOL 0.07 Vert(CT) 0.00 5 >999 180 BCLL 0.0 WB 0.00 Rep Stress Incr YES Horz(CT) -0.00 3 n/a n/a Code FBC2020/TPI2014 BCDL 10.0 Matrix-MR Weight: 8 lb FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.2 BRACING-TOP CHORD

Structural wood sheathing directly applied or 1-0-0 oc purlins,

except end verticals.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

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

Max Horz 5=73(LC 12)

Max Uplift 5=-92(LC 12), 3=-99(LC 1), 4=-31(LC 1) Max Grav 5=327(LC 1), 3=41(LC 12), 4=4(LC 8)

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

TOP CHORD 2-5=-278/243

- 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) 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) 5, 3, 4.



January 13,2022

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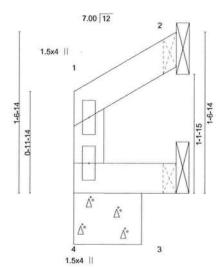
ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Qty Truss Truss Type Ply Townsend T26515531 TOWNSEND J4A Jack-Open Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:10:58 2022 Page 1

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

ID:17j64rh3s7A1hKm?TqBkGCzz2QR-6bwL40oq1nio2XmMwQVgvmmXohb4elQMRL\_uOlzw8bx



LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DO _	1.25	TC	0.02	Vert(LL)	-0.00	4	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(CT)	-0.00	4	>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/T	PI2014	Matri	x-MR		- Caralana	_	1.000.000	1,134	Weight: 4 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.2 **BRACING-**TOP CHORD

Structural wood sheathing directly applied or 1-0-0 oc purlins,

except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

(size) 4=0-8-0, 2=M€ chanical, 3=Mechanical Max Horz 4=27(LC 12) Max Uplift 2=-15(LC 12), 3=-5(LC 12)

Max Grav 4=34(LC 1), 2= 27(LC 17), 3=16(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 (cirectional) 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 liv/s load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.



Julius Lee PE No.34869 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

Scale = 1:10.8



Job	Truss	Truss Type	Qty	Ply	Townsend	
TOWNSEND	M1GE	Monopitch Supported Gable	1	1	MATERIAL STATE OF THE STATE OF	5515532
Mayo Truss Company, Inc.,	Mayo, FL - 32066,		ID:17j64rh3s7	7A1hKm?Tq	Job Reference (optional) 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:00 2022 Pag BkGCzz2QR-2z26Uip4ZOzVInwk2rX8_BrqiUGc6CdeueT?Tezwi	
-2-0-0 2-0-0	-		11-8-0 11-8-0			

3.00 12 6 5 3x4 = 3 13 12 11 3x4 = 4x8 ||

		1					11-8-0					
Plate Offsets (X,Y)		[2:0-3-8,Edge], [2:0-6-12	Edge]									
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.25	Vert(LL)	0.00	1	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	-0.01	1	n/r	120	DATE STORY	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.02	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-S						Weight: 51 lb	FT = 20%

LUMBER-

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

**BRACING-**

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or 6-0-0 oc purlins,

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 11-8-0.

(lb) - Max Horz 2=80(LC 9)

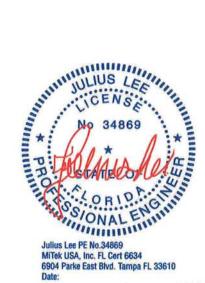
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 12

Max Grav All reactions 250 lb or less at joint(s) 9, 10, 11, 12, 13 except 2=287(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=2ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Corner(3E) -2-0-0 to 1-0-0, Exterior(2N) 1-0-0 to 11-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 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.
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 12.
   Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2.



January 13,2022

Scale = 1:21.9

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. \$/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 ANS/ITPI Quality Criteria, DSB-89 and BCSI Building Comports Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515533 TOWNSEND M2 Monopitch Job Reference (optional) Mayo Truss Company, Inc., Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:01 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-WAcUi2qiKi5Mv?VxbY2NWPO\_nuYGrYQo7ICY?4zw8bu 11-8-0 5-5-4 2-0-0 6-2-12 Scale = 1:22.4 2x4 | 4 3.00 12 10 3x4 = 3 0-3-14 4 6 1.5x4 || 3x4 6-2-12 6-2-12 11-8-0 5-5-4 Plate Offsets (X,Y)--[2:0-3-4,Edge] LOADING (psf) SPACING-2-0-0 CSI. DEFL. PLATES in (loc) I/def L/d GRIP TC BC WB TCLL 20.0 Plate Grip DOL 1.25 0.30 Vert(LL) -0.04 6-9 240 >999 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 0.38 Vert(CT) -0.106-9 >999 180 0.0 BCLL Rep Stress Incr YES 0.50 Horz(CT) 0.02 5 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-AS Weight: 52 lb FT = 20%

LUMBER-

REACTIONS.

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

TOP CHORD BOT CHORD

Structural wood sheathing directly applied, except end verticals. Rigid ceiling directly applied.

(size) 2=0-3-8, 5=0-8-0

Max Horz 2=89(LC 11) Max Uplift 2=-106(LC 12), 5=-51(LC 12) Max Grav 2=591(LC 1), 5=450(LC 1)

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

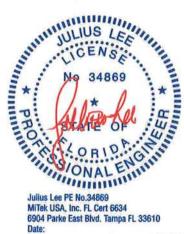
TOP CHORD 2-3=-992/243

**BOT CHORD** 2-6=-307/942, 5-6=-307/942

WEBS 3-5=-948/295

### 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) -2-0-0 to 1-1-0, Interior(1) 1-1-0 to 11-6-4 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* 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) 5 except (jt=lb) 2=106.
- 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.



January 13,2022

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

Design valid for use only with MITE-80 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 dange. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

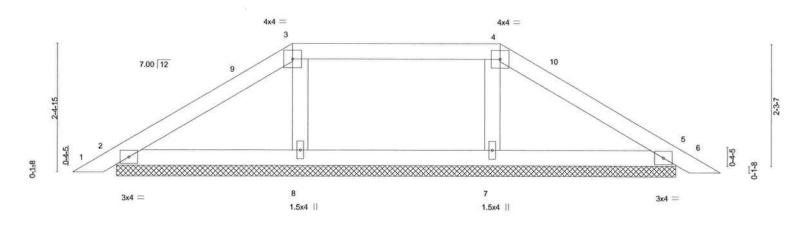
ANSI/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information

available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515534 TOWNSEND **PB01** Piggyback Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:02 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-\_MAsvOrK50DDX8479GZc3cxAYIyra60xMyy6XXzw8bt 12-2-0 8-0-5 3-10-11

Scale = 1:20.8



-						12-2-0 12-2-0						
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.17	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.10	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/T	PI2014	Matri	x-S	100.00					Weight: 41 lb	FT = 20%

LUMBER-

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

BRACING-

TOP CHORD BOT CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 10-6-2.

(lb) - Max Horz 2=-39(LC 10) Max Uplift All uplift 100 lb or less at joint(s) 2, 5

Max Grav All reactions 250 lb or less at joint(s) 2, 5 except 8=297(LC 21), 7=297(LC 22)

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

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; 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) 0-3-8 to 3-3-8, Interior(1) 3-3-8 to 4-1-11, Exterior(2E) 4-1-11 to 11-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

  3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



January 13,2022



Job Truss Truss Type Qty Ply Townsend T26515535 TOWNSEND PB02 Piggyback 3 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:03 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-TYjE7kszsJL49lfJjz4rcqTlViFMJZs5achf4zzw8bs 12-2-0 6-1-0 6-1-0 Scale = 1:23.0 4x4 = 3 7.00 12 04-5 0-1-8 3x4 = 3x4 = 1.5x4 || (psf) LOADING SPACING-2-0-0 CSI DEFL PLATES GRIP I/def TC BC TCLL 20.0 Plate Grip DOL 1.25 0.35 Vert(LL) 0.01 n/r 120 MT20 244/190 TCDL 10.0 Lumber DOL 1.25 0.27 Vert(CT) 0.02 5 n/r 120 BCLL 0.0 Rep Stress Incr YES WB 0.05 Horz(CT) 0.00 4 n/a n/a BCDL 10.0 Code FBC2020/TPI2014 Matrix-S FT = 20% Weight: 41 lb 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=10-6-2, 4=10-6-2, 6=10-6-2

Max Horz 2=-59(LC 10)

Max Uplift 2=-27(LC 12), 4=-27(LC 12)

Max Grav 2=231(LC 21), 4=231(LC 22), 6=443(LC 1)

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

WEBS 3-6=-283/83

### 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. William Asce 1-6, Valid-John (Joseph Agent) vasad-John (Joseph Agent) forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) Gable requires continuous bottom chord bearing.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



January 13,2022

WARNING - Verily 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/for chord members only. Additional temporary and permanent bracing is always required for stability and to prevent buckling of individual truss web and/for 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 

ANSUTPIT Quality Criterie, DSB-89 and BCSI Building Collaboration available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515536 PB03 TOWNSEND Piggyback Job Reference (optional) Mayo, FL - 32066, 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:04 2022 Page 1 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-xlHcK3sbddTxmSEWHhc4810WO5ef20WEpGRCcPzw8br Mayo Truss Company, Inc., Scale = 1:20.8 1.5x4 II 4x4 = 3 4 12 5 7.00 12 1-6-14 10 9 8 3x4 = 3x4 = 1.5x4 || 1.5x4 || 1.5x4 ||

						12-2-0						
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defi	L/d	PLATES	GRIP
TCLL	20.0	Plate G ip DOL	1.25	TC	0.14	Vert(LL)	0.00	6	n/r	120	MT20	244/190
CDL	10.0	Lumber DOL	1.25	BC	0.08	Vert(CT)	0.00	6	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code 1°BC2020/T	PI2014	Matri	x-S	N 35					Weight: 39 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

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

2x4 SP No.2 **OTHERS** 2x4 SP No.2

REACTIONS. All bearings 10-6-21.

Max Horz 2=-25(LC: 10) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9

Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 8 except 9=304(LC 21)

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

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; MWF RS (directional) and C-C Exterior(2E) 0-3-8 to 2-8-5, Exterior(2R) 2-8-5 to 6-11-4, Interior(1) 6-11-4 to 9-5-11, Exterior(2E) 9-5-11 to 11-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

  4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottorn chord bearing.

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9.

  9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building
- designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

6904 Parke East Blvd. Tampa FL 33610 Date:

January 13,2022

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 MITE k® 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, erec ion and bracing of trusses and truss systems, see 

\*\*MSITPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information\*\* available for n Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515537 TOWNSEND **PB04** Piggyback Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:05 2022 Page 1 Mayo, FL - 32066, Mayo Truss Company, Inc., ID:17j64rh3s7A1hKm?TqBkGCzz2QR-Pxr?YPtDOxboOcoiqO7JhFZhfVz5nSkN2wAm8szw8bq 12-2-0 4-8-5 4-8-5 4-8-5

4x4 = 3 7.00 12 10 0-4-5 6 3-1-8 3x4 = 1.5x4 || 1.5x4 ||

						12-2-0 12-2-0						
LOADING	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.18	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.13	Vert(CT)	0.01	6	n/r	120	SERVICE AND	
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-S						Weight: 42 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD** WEBS 2x4 SP No.2 BRACING-

TOP CHORD **BOT CHORD** 

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

REACTIONS. All bearings 10-6-2.

(lb) - Max Horz 2=45(LC 11) Max Uplift All uplift 100 lb or less at joint(s) 2, 5

Max Grav All reactions 250 lb or less at joint(s) 2, 5 except 8=280(LC 21), 7=280(LC 22)

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

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; 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) 0-3-8 to 3-3-8, Interior(1) 3-3-8 to 4-8-5, Exterior(2E) 4-8-5 to 11-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 5.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



6904 Parke East Blvd. Tampa FL 33610

January 13,2022

Scale = 1:20.8

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

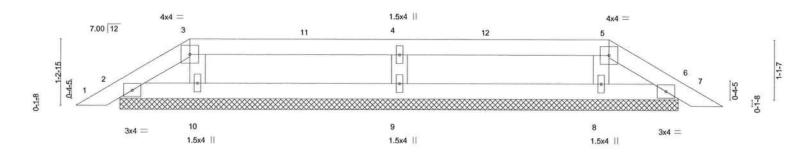
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall 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/TPH Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



Job Truss Truss Type Qty Ply Townsend T26515538 PB06 TOWNSEND Piggyback 1 Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:06 2022 Page 1 Mayo Truss Company, Inc. Mayo, FL - 32066 ID:17j64rh3s7A1hKm?TqBkGCzz2QR-t7PNllur9Ejf0mNuO5eYDS5r5vJdWvxXGawJgIzw8bp 12-2-0 10-0-5 7-10-11 2-1-11

Scale = 1:20.8



						12-2-0 12-2-0					y	
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.20	Vert(LL)	-0.00	6	n/r	120	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.11	Vert(CT)	-0.00	6	n/r	120	(380):ETC	(Trout Little)
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2020/TI	PI2014	Matri	x-S					35000	Weight: 37 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

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

2x4 SP No.2

ONS. All bearings 10-6-2.
(lb) - Max Horz 2=-19(LC 10) REACTIONS.

Max Uplift All uplift 100 lb or less at joint(s) 2, 6, 9

Max Grav All reactions 250 lb or less at joint(s) 2, 6, 10, 8 except 9=356(LC 21)

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

4-9=-275/86

### NOTES-

1) 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) 0-3-8 to 2-1-11, Exterior(2R) 2-1-11 to 6-1-0, Interior(1) 6-1-0 to 10-0-5, Exterior(2E) 10-0-5 to 11-10-8 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

  4) Provide adequate drainage to prevent water ponding.
- 5) Gable requires continuous bottom chord bearing.
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 7) \*This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6, 9.
- 9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 6-0-0 oc bracing.

MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

January 13,2022

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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Job Truss Truss Type Qty Ply Townsend T26515539 Piggyback TOWNSEND PB07 | Job Reference (optional) 8.430 s Aug 16 2021 MiTek Industries, Inc. Wed Jan 12 09:11:06 2022 Page 1 Mayo Truss Company, Inc., Mayo, FL - 32066, ID:17j64rh3s7A1hKm?TqBkGCzz2QR-t7PNllur9Ejf0mNuO5eYDS5uovJyWvOXGawJgIzw8bp 4-4-10 2-2-5 Scale = 1:8.7 3x4 = 7.00 12 2 0-4-5 1 0-4-5 0-1-8 0-1-8 2x4 = 2x4 =

	1										4
sets (X,Y)	[3:0-2-0,Edge]			_	4-4-10						
G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	I/defl	L/d	PLATES	GRIP
20.0	Plate Grip DOL	1.25	TC	0.02	Vert(LL)	0.00	4	n/r	120	MT20	244/190
10.0	Lumber DOL	1.25	BC	0.09	Vert(CT)	0.00	4	n/r	120		
0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	4	n/a	n/a		
10.0	Code FBC2020/T	PI2014	Matri	x-P			-			Weight: 12 lb	FT = 20%
	3 (psf) 20.0 10.0 0.0	G (psf) SPACING- 20.0 Plate Grip DOL 10.0 Lumber DOL 0.0 * Rep Stress Incr	G (psf) SPACING- 2-0-0 20.0 Plate Grip DOL 1.25 10.0 Lumber DOL 1.25 0.0 Rep Stress Incr YES	G (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 10.0 Lumber DOL 1.25 BC 0.0 Rep Stress Incr YES WB	G (psf) SPACING- 2-0-0 CSI. 20.0 Plate Grip DOL 1.25 TC 0.02 10.0 Lumber DOL 1.25 BC 0.09 0.0 * Rep Stress Incr YES WB 0.00	Sets (X,Y)   [3:0-2-0,Edge]	Sets (X,Y) [3:0-2-0,Edge]   SPACING- 2-0-0   CSI.   DEFL.   in (loc)   l/defl   L/d   PLATES				

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

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

(size) 2=2-8-12, 4=2-8-12

Max Horz 2=-19(LC 10) Max Uplift 2=-13(LC 12), 4=-13(LC 12) Max Grav 2=142(LC 1), 4=142(LC 1)

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

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-16; 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) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) Gable requires continuous bottom chord bearing.

5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



Structural wood sheathing directly applied or 4-4-10 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

6904 Parke East Blvd. Tampa FL 33610

January 13,2022

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

Design valid for use only with MTE-880 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 ANS/ITPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 2670 Crain Highway, Suite 203 Waldorf, MD 20601



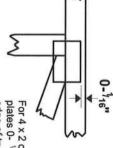
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## Symbols

# PLATE LOCATION AND ORIENTATION



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



edge of truss. plates 0- 1/10" from outside For 4 x 2 orientation, locate

00

6

C

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

Plate location details available in MiTek 20/20 software or upon request.

### PLATE SIZE

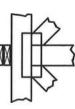
to slots. Second dimension is width measured perpendicular the length parallel to slots. The first dimension is the plate

## 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



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

## Industry Standards:

ANSI/TPI1: National Design Specification for Metal Guide to Good Practice for Handling, Building Component Safety Information, Design Standard for Bracing. Plate Connected Wood Truss Construction.

Installing & Bracing of Metal Plate

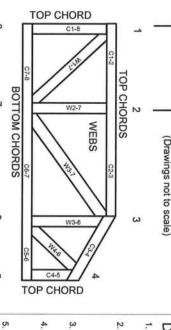
Connected Wood Trusses

DSB-89:

# Numbering System

6-4-8

dimensions shown in ft-in-sixteenths



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

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

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

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

# General Safety Notes

## Damage or Personal Injury Failure to Follow Could Cause Property

- Truss bracing must be designed by an engineer. For Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI wide truss spacing, individual lateral braces themselves
- Never exceed the design loading shown and never stack materials on inadequately braced trusses

may require bracing, or alternative Tor I

bracing should be considered.

- Provide copies of this truss design to the building all other interested parties designer, erection supervisor, property owner and
- Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- 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 camber for dead load deflection. responsibility of truss fabricator. General practice is to
- 11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
- Lumber used shall be of the species and size, and in all respects, equal to or better than that
- 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
- Connections not shown are the responsibility of others
- Do not cut or alter truss member or plate without prior approval of an engineer
- 17. Install and load vertically unless indicated otherwise
- Use of green or treated lumber may pose unacceptable project engineer before use. environmental, health or performance risks. Consult with
- Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- 21. The design does not take into account any dynamic or other loads other than those expressly stated.