

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

RE: Wallace_Cable - Wallace Cable

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Wallace Cable Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Ft. White State: FL

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

Name: License #:
Address:
City: State:

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

Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 2 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.

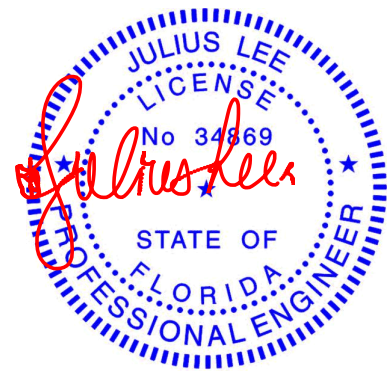
No.	Seal#	Truss Name	Date
1	T20530963	A1	6/22/20
2	T20530964	A2GE	6/22/20

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, 2021.

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



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

June 22,2020

Job	Truss	Truss Type	Qty	Ply	Wallace Cable	T20530963
WALLACE_CABLE	A1	COMMON	17	1		

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 22 15:41:10 2020 Page 1

ID:p9F8obT_z?XFcbgwOHdNW8z3hS2-0NQ?2IjjCm5ajLaRAmKHfwiCDEegT81zM0Q2V1z3hIN

-2-0-0	6-0-0	10-0-0	14-0-0	20-0-0	22-0-0
2-0-0	6-0-0	4-0-0	4-0-0	6-0-0	2-0-0

Scale = 1:38.5

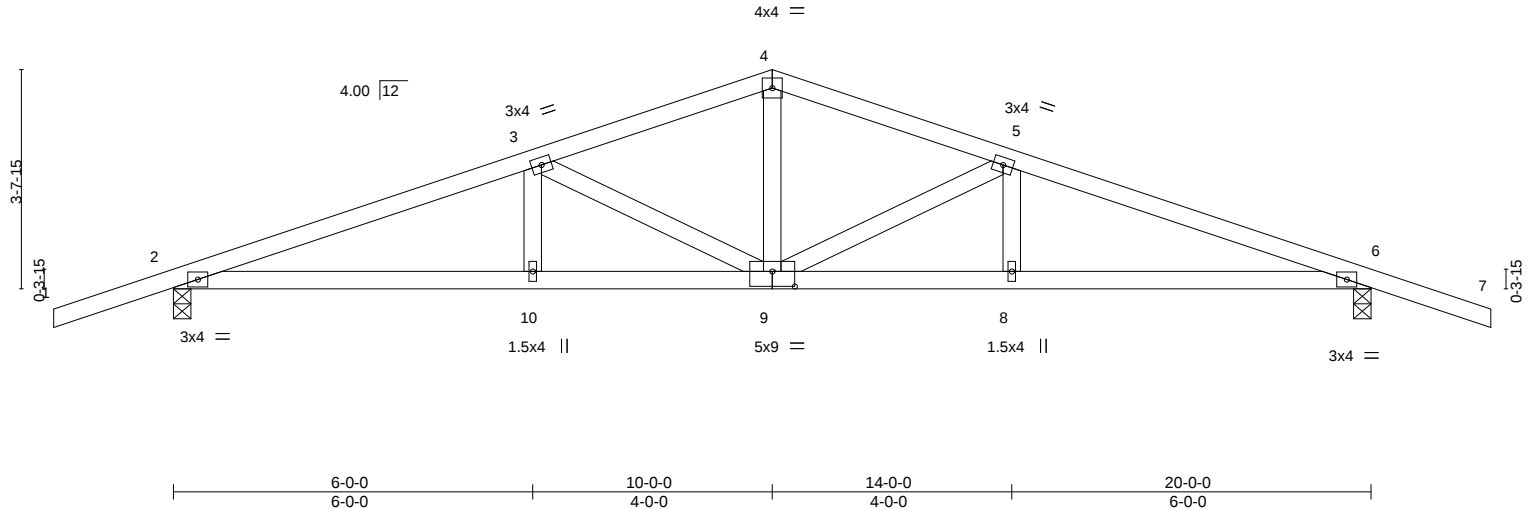


Plate Offsets (X,Y)--	[9:0-4-8,0-3-0]				
LOADING (psf)	SPACING-	CSI.	DEFL.	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.49	Vert(LL) -0.08 9 >999 240		
BCLL 0.0 *	Lumber DOL 1.25	WB 0.20	Vert(CT) -0.15 9 >999 180		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS	Horz(CT) 0.05 6 n/a n/a		
	Code FBC2017/TPI2014			Weight: 90 lb	FT = 0%

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.
BOT CHORD Rigid ceiling directly applied.

REACTIONS.

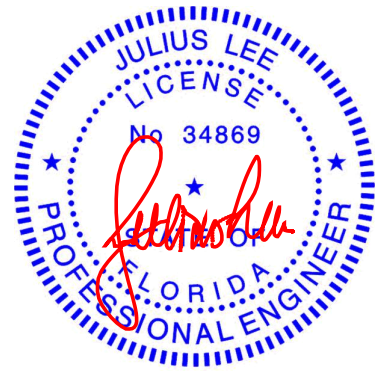
(size) 2=0-3-8, 6=0-3-8
Max Horz 2=-42(LC 10)
Max Uplift 2=-49(LC 12), 6=-49(LC 12)
Max Grav 2=920(LC 1), 6=920(LC 1)

FORCES.

(lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1808/407, 3-4=-1279/326, 4-5=-1279/326, 5-6=-1808/406
BOT CHORD 2-10=-283/1673, 9-10=-283/1673, 8-9=-303/1673, 6-8=-303/1673
WEBS 4-9=-94/577, 3-9=-576/161, 5-9=-576/160

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- 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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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Wallace Cable	T20530964
WALLACE_CABLE	A2GE	GABLE	1	1	Job Reference (optional)	

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

8.240 s Mar 9 2020 MiTek Industries, Inc. Mon Jun 22 15:41:11 2020 Page 1
ID:p9F8obT_?XFcbgwOHdNW8z3hS2-UZ_NFekLz4DRLV9ekTsWC8EFuezECbo6bg9b1Tz3hIM

-2-0-0	6-0-0	10-0-0	14-0-0	20-0-0	22-0-0
2-0-0	6-0-0	4-0-0	4-0-0	6-0-0	2-0-0

Scale = 1:39.7

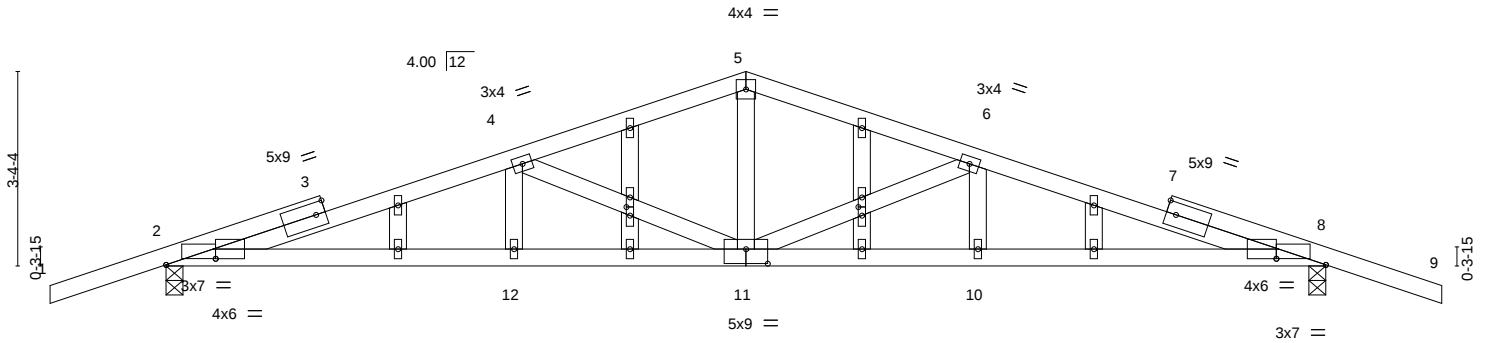


Plate Offsets (X,Y)--	[2:0-10-4,0-1-4], [2:0-10-4,0-1-4], [8:0-10-4,0-1-4], [8:0-10-4,0-1-4], [11:0-4-8,0-3-0], [13:0-1-12,0-0-12], [20:0-1-12,0-0-12]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.84	Vert(LL)	-0.13	11	>999	240	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.54	Vert(CT)	-0.26	10-11	>918	180	
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.23	Horz(CT)	0.06	8	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						
								Weight: 102 lb	FT = 0%

LUMBER-

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

BRACING-

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

REACTIONS.

(size) 2=0-3-8, 8=0-3-8
Max Horz 2=39(LC 11)
Max Uplift 2=-53(LC 12), 8=-53(LC 12)
Max Grav 2=917(LC 1), 8=917(LC 1)

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

TOP CHORD 2-4=-1978/441, 4-5=-1363/333, 5-6=-1363/333, 6-8=-1978/441
BOT CHORD 2-12=-331/1895, 11-12=-331/1895, 10-11=-352/1895, 8-10=-352/1895
WEBS 5-11=-97/653, 4-11=-705/187, 6-11=-705/187

NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; 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(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 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.



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General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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