#38967

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

RE: 2125064 - GIEBEIG - FEAGLE RES.

MiTek USA, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:
Customer Info: Giebeig Const. Project Name: Feagle Res. Model: Custom
Lot/Block: N/A Subdivision: N/A
Address: 277 SE Rodney Dicks Dr., N/A
City: Columbia Cty 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: 37.0 psf Floor Load: N/A psf

This package includes 1 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	T19136700	T14R	1/14/20

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

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.

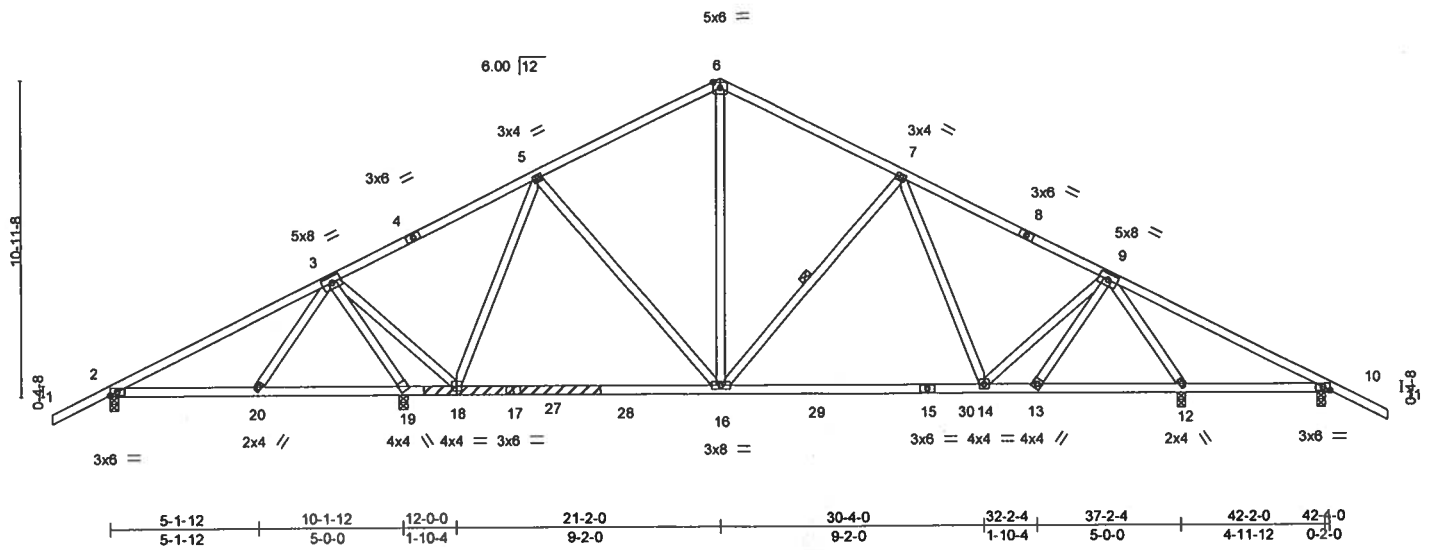
Julius Lee PE No.34869
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
January 14,2020

Job	Truss	Truss Type	Qty	Ply	GIEBEIG - FEAGLE RES. T19136700
2125064	T14R	Common	2	1	Job Reference (optional) JG 0.5UNITS

Builders FirstSource, Jacksonville, FL - 32244, 8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Jan 14 15:47:44 2020 Page 1
ID:m9alkRXfCVOgkAUPdVDaA0ykj1E-HMwHMG220EVul9DgBx2Km?bytlmilpH1vOBLSAzvObz

-2-0-0	7-8-8	14-10-9	21-2-0	27-5-7	34-7-8	42-4-0	44-4-0
2-0-0	7-8-8	7-2-1	6-3-7	6-3-7	7-2-1	7-8-8	2-0-0

Scale = 1:76.8



5-1-12	10-1-12	12-0-0	21-2-0	30-4-0	32-2-4	37-2-4	42-2-0	42-4-0
5-1-12	5-0-0	1-10-4	9-2-0	9-2-0	1-10-4	5-0-0	4-11-12	0-2-0

REPAIR(S) REQUIRED

(See Notes Below)

Plate Offsets (X,Y)-- [10:0-2-15,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	0.06	12-26	>935	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.79	Vert(CT)	-0.30	16-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 255 lb	FT = 20%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.3

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-5-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 18-19,10-12.
WEBS 1 Row at midpt 7-16

REACTIONS. All bearings 0-3-8.
(lb) - Max Horz 2=-157(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) except 2=-153(LC 8), 19=-310(LC 12), 12=-266(LC 13), 10=-121(LC 8)
Max Grav All reactions 250 lb or less at joint(s) 10 except 2=505(LC 23), 19=1347(LC 1), 12=1310(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-477/436, 3-5=-451/254, 5-6=-777/591, 6-7=-777/592, 7-9=-969/621, 9-10=-50/370
BOT CHORD 2-20=-193/378, 19-20=-91/295, 18-19=-669/524, 16-18=-61/607, 14-16=-200/807, 13-14=-177/514, 12-13=-216/523, 10-12=-255/220
WEBS 3-20=-293/272, 3-19=-1599/992, 3-18=-481/1298, 5-18=-715/462, 6-16=-269/395, 7-16=-346/354, 9-14=-14/514, 9-12=-1365/714

NOTES-
1) Repair Condition: Missing or damaged plate(s) on both side(s) of truss at joint(s) 17.
2) Apply 72" long 2x4 SP No.2 scab to front side(s) of truss centered on damage at joint 17 with 2 row(s) of 10d (0.131"x3") nails spaced 2" o.c. from front face. Minimum 0-3-0 end distance.
3) N/A
4) Unbalanced roof live loads have been considered for this design.
5) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (envelope) and C-C Exterior(2) zone; cantilever right exposed ; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) All bearings are assumed to be SP No.2 crushing capacity of 565 psi.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2, 310 lb uplift at joint 19, 266 lb uplift at joint 12 and 121 lb uplift at joint 10.

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