DATE 11/27/2018

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000037477

APPLICANT DONALD LITTLE PHONE 386-697-1246

ADDRESS PO BOX 2254 LAKE CITY FL 32056

OWNER DONALD & TAWNYA LITTLE PHONE 386-697-1246

ADDRESS 1859 SW LITTLE RD LAKE CITY FL 32024

CONTRACTOR DONALD LITTLE PHONE 386-697-1246

LOCATION OF PROPERTY 47 S, L WALTER AVE, L LITTLE RD, ARRROX 3/4 MILE ON LEFT.

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 375400.00

HEATED FLOOR AREA 4558.00 TOTAL AREA 7508.00 HEIGHT STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 01-5S-16-03387-000 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 4.10

000002703 CBC1260286

Culvert Permit No. | Culvert Waiver | Contractor's License Number | Applicant/Owner/Contractor

WAIVER PERMIT 18-0529 LN TC N

Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident | Time/STUP No.

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, NOC ON FILE

LEGAL LOT OF RECORD PER ZONING LETTER

Check # or Cash 6293

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by

Foundation ____ date/app. by

Monolithic (footer/Slab) ____ date/app. by

Under slab rough-in plumbing ____ date/app. by

Slab ____ date/app. by

Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by

Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by

Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by

Peri. beam (Lintel) ____ date/app. by

Pool ____ date/app. by

Permanent power ____ date/app. by

C.O. Final ____ date/app. by

Culvert ____ date/app. by

Pump pole ____ date/app. by

Utility Pole ____ date/app. by

M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Reconnection ____ date/app. by

RV ____ date/app. by

Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 1880.00 CERTIFICATION FEE $ 37.54 SURCHARGE FEE $ 37.54

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

PLAN REVIEW FEE $ 470.00 DP & FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 2500.08

INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Chris Williams Lic.

Columbia County New Building Permit Application

For Office Use Only Application # 1811-02 Date Received 11/1/18 By LH Permit # 2703/37477

Zoning Official [illegible] Date 11-15 Flood Zone X Land Use A Zoning A3

FEMA Map # _____ Elevation _____ MFE 1' above road River _____ Plans Examiner T.C Date 11-15-18

Comments _____

☑ NOC ☑ EH ☑ Deed or PA ☐ Site Plan ☐ State Road Info ☑ Well letter (existing) ☑ 911 Sheet (dlf#) ☐ Parent Parcel # _____

☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

☐ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☑ App Fee Paid ☑ Sub VF Form

Septic Permit No. 18-0529 OR City Water ☐ Fax _____ ☐ Need sigs on all except roofing

Applicant (Who will sign/pickup the permit) Donald Little Phone 386-697-1246

Address PO Box 2254 Lake City, Fl. 32056

Owners Name Donald & Tawnya Little Phone 386-697-1246

911 Address 1859 SW Little Rd Lake City, Fl. 32024

Contractors Name Donald Little Phone 386-697-1246

Address PO Box 2254 Lake City, Fl. 32056

Contractor Email dlittle74@gmail.com ***Include to get updates on this job.

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disosway PE 163 SW Midtown Pl. #103 Lake City, Fl. 32025

Mortgage Lenders Name & Address N/A

Circle the correct power company ☐ FL Power & Light ☑ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy

Property ID Number 01-55-16 - 03387-000 Estimated Construction Cost $400,000.00

Subdivision Name _____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions from a Major Road HWY 47 South, Left onto Walter Avenue, Left onto Little Rd, approximately 3/4 mile on the left.

Construction of Single Family Residence ____ Commercial OR X Residential

Proposed Use/Occupancy Single Family Residence Number of Existing Dwellings on Property 0

Is the Building Fire Sprinkled? no If Yes, blueprints included ____ Or Explain _____

Circle Proposed ☐ Culvert Permit or ☑ Culvert Waiver or ☐ D.O.T. Permit or ☐ Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 110 Side 85 Side 235 Rear 100

Number of Stories 1 Heated Floor Area 4558 Total Floor Area 7508 Acreage 4.1

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) _____

Donald knows what is needed 11/1/18

JG spoke w/Donald 11.27.18

Columbia County Building Permit Application

CODE: Florida Building Code 2017 and the 2014 National Electrical Code.

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless pursued in good faith or a permit has been issued.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO CONTRACTOR AND AGENT: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

Tawnya Little

Donald Little

Print Owners Name

Owners Signature

****Property owners must sign here before any permit will be issued.**

****If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature

Contractor's License Number CBC1260286

Columbia County Competency Card Number 1474

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 25 **day of** October **20** 18.

Personally known ✔ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

DONALD SLATER
MY COMMISSION # GG047374
EXPIRES November 15, 2020

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1811-02 JOB NAME Donald & Tawnya Little Residence

THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED

Columbia County issues combination permits. One permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the general contractors permit.

NOTE: *It shall be the responsibility of the general contractor to make sure that all of the subcontractors are licensed with the Columbia County Building Department.*
Use website to confirm licenses: http://www.columbiacountyfla.com/PermitSearch/ContractorSearch.aspx

NOTE: If this should change prior to completion of the project, it is your responsibility to have a corrected form submitted to our office, before that work has begun.

Violations will result in stop work orders and/or fines.

ELECTRICAL ☑ CC# 1057	Print Name Ryan Felknor Signature _____ Company Name: Felknor Electric License #: EC13003153 Phone #: 352-318-8796	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C B ☑ CC# 837	Print Name Chris Williams Signature _____ Company Name: Country Comfort Heating & Air License #: CAC057795 Phone #: 386-397-5731	Need ~~☐ Lic~~ 10/26/18 ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☑ CC# 1429	Print Name Daniel Mossburg Signature _____ Company Name: Live Oak Plumbing License #: CFC1427438 Phone #: 386-362-1767	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☑ CC# 1474	Print Name Donald Little Signature _____ Company Name: Do-Little Construction & Roofing, Inc License #: CBC1260286 Phone #: 386-697-1246	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License#: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC# _____	Print Name _____ Signature _____ Company Name: _____ License #: _____ Phone #: _____	Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

Ref: F.S. 440.103; ORD. 2016-30

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SUBCONTRACTOR VERIFICATION

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Ref: F.S. 440.103; ORD. 2016-30

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

03387-000

Clerk's Office Stamp

Inst: 201812022628 Date: 11/01/2018 Time: 1:23PM
Page 1 of 1 B: 1371 P: 2387, P.DeWitt Cason, Clerk of Court
Columbia, County, By: BD
Deputy Clerk

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: 01-5S-16-03387-000
   a) Street *(job)* Address: 1859 SW Little Rd Lake City, FL. 32024
2. General description of improvements: Single Family Residence
3. Owner Information or Lessee information if the Lessee contracted for the improvements:
   a) Name and address: Donald & Tawnya Little PO BOX 2254 Lake City, FL 32056
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property N/A
4. Contractor Information
   a) Name and address: Donald Little PO BOX 2254 Lake City, FL 32056
   b) Telephone No.: 386-697-1246
5. Surety Information (if applicable, a copy of the payment bond is attached):
   a) Name and address: N/A
   b) Amount of Bond: N/A
   c) Telephone No.: N/A
6. Lender
   a) Name and address: N/A
   b) Phone No. N/A
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:
   a) Name and address: N/A
   b) Telephone No.: N/A
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name: N/A OF
   b) Telephone No.: N/A
9. Expiration date of Notice of Commencement **(the expiration date will be 1 year from the date of recording unless a different date is specified):**

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Donald Little / Tawnya Little
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 25th day of October, 2018, by:
Tawnya Little Donald Little as _____ for _____.
(Name of Person) (Type of Authority) (name of party on behalf of whom Instrument was executed)

Personally Known X OR Produced Identification ____ Type _____

Notary Signature _____ Notary Stamp or Seal:

DONALD SLATER
MY COMMISSION # GG047374
EXPIRES November 15, 2020

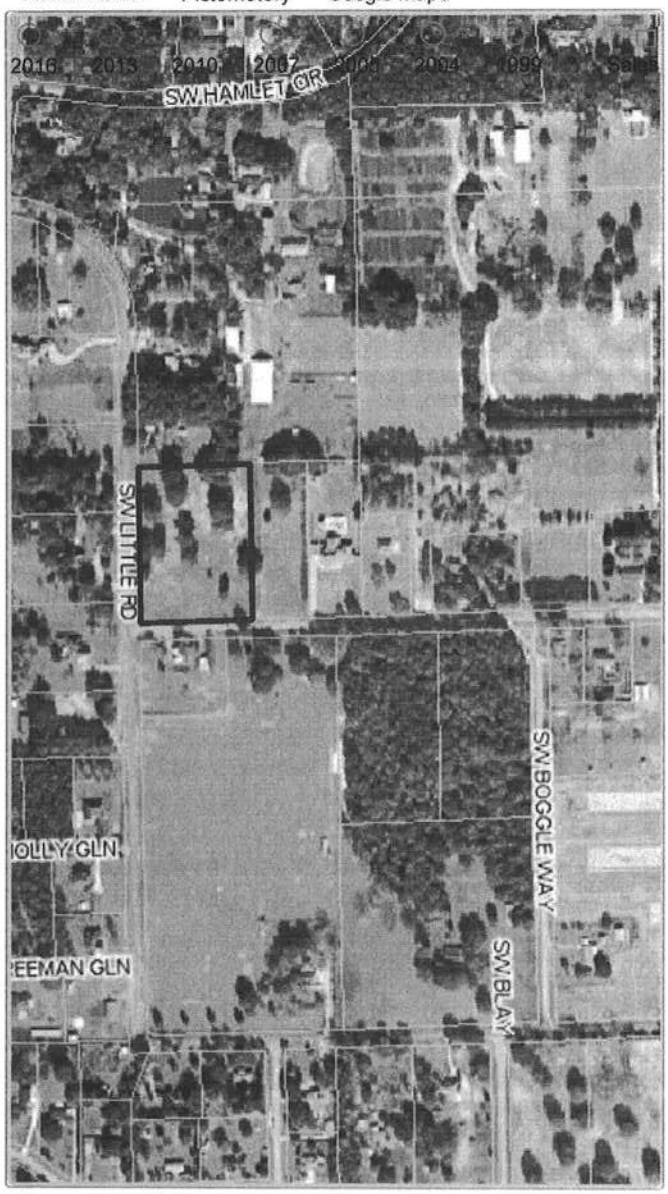
Columbia County Property Appraiser

Jeff Hampton

2018 Tax Roll Year
updated: 10/25/2018

Parcel: (<<) **01-5S-16-03387-000** (>>)

Aerial Viewer Pictometery Google Maps



Owner & Property Info

Result: 1 of 1

Owner	**LITTLE DONALD ELLIS &** TAWNYA RENE LITTLE 1542 SW LITTLE RD LAKE CITY, FL 32024		
Site	1768 LITTLE RD, LAKE CITY		
Description*	COMM SW COR OF NW1/4 OF NE1/4, RUN E 50 FT FOR POB, CONT E 361 FT, N 247.50 FT, W 361 FT, S 247.50 FT TO POB & COMM SW COR OF NW1/4 OF NE1/4, RUN E 50 FT FOR POB, N 247.50 FT FOR POB, CONT N 247.50 FT, E 361 FT, S 247.50 FT, W 361.50 FT TO POB. 337-164, 7 ...more>>>		
Area	4.1 AC	S/T/R	01-5S-16
Use Code**	VACANT (000000)	Tax District	3

*The Description above is not to be used as the Legal Description for this parcel in any legal transaction.
**The Use Code is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2018 Certified Values		2019 Working Values	
Mkt Land (2)	$47,659	Mkt Land (2)	$47,659
Ag Land (0)	$0	Ag Land (0)	$0
Building (0)	$0	Building (0)	$0
XFOB (0)	$0	XFOB (0)	$0
Just	$47,659	Just	$47,659
Class	$0	Class	$0
Appraised	$47,659	Appraised	$47,659
SOH Cap [?]	$0	SOH Cap [?]	$0
Assessed	$47,659	Assessed	$47,659
Exempt	$0	Exempt	$0
Total Taxable	county:$25,029 city:$25,029 other:$25,029 school:$47,659	Total Taxable	county:$25,029 city:$25,029 other:$25,029 school:$47,659

Sales History

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
6/28/2016	$27,000	1317/2566	WD	V	Q	01
6/28/2016	$28,800	1317/2562	WD	V	Q	01
3/19/2015	$100	1291/0757	QC	V	U	11
3/19/2015	$20,000	1291/0755	WD	V	Q	01
5/2/2013	$100	1260/2321	WD	V	U	11
6/28/2006	$100	1088/2238	WD	I	U	01
6/21/2002	$100	960/0265	WD	V	U	06
11/1/1991	$39,600	752/1424	WD	I	Q	

Building Characteristics

Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
NONE						

Extra Features & Out Buildings (Codes)

Prepared by and return to:
Frontier Title Group, LLC
426 SW Commerce Dr. Suite 145
Lake City, FL 32025
as a necessary incident to the fulfillment
of conditions contained in a title insurance
commitment issued by it.

Folio Number(s): 015S16-03387-000
File No.: RS2016-1186-A

Inst: 201612011044 Date: 07/01/2016 Time: 2:30PM
Page 1 of 2 B: 1317 P: 2566, P.DeWitt Cason, Clerk of Court
Columbia, County, By: KV
Deputy ClerkDoc Stamp-Deed: 189.00

WARRANTY DEED

THIS WARRANTY DEED made this 28th day of June, 2016 by **Abram Huber, a married man,** whose post office address is 225 SW Finley Little Road, Lake City, FL 32024, hereinafter called the Grantor, to **Donald Ellis Little and Tawnya Rene Little, Husband and Wife,** whose post office address is 1542 SW Little Rd, Lake City, FL 32024 hereinafter called the Grantee. (Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations).

WITNESSETH: That the grantor, for and in consideration of the sum of TEN AND 00/100'S ($10.00) Dollars, and other variable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situated in Columbia County, Florida, viz:

Commence at the Southwest corner of the NW 1/4 of the NE 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run thence N 89°29' E along the South line of said NW 1/4 of NE 1/4, 50.00 feet to the point of beginning, thence continue N 89°29' E along said South line, 361.00 feet, thence due North 247.50 feet, thence S 89°29' W, 361.00 feet, thence due South 247.50 feet to the point of beginning.

Said property is not the homestead of the Grantor under the laws and constitution of the State of Florida in that neither Grantor nor any members of the household of Grantor reside thereon.

SUBJECT TO RESTRICTION "Site built homes only. (No Mobile Homes)" These restrictions shall run with the land, and are not specific to the Grantee.

SUBJECT TO restrictions, reservations, easements and limitations of record, if any, provided that this shall not serve to reimpose same, zoning ordinances, and taxes for the current year and subsequent years.

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

Prepared by and return to:
Frontier Title Group, LLC
426 SW Commerce Dr.
Suite 135
Lake City, FL 32025
as a necessary incident to the fulfillment
of conditions contained in a title insurance
commitment issued by it.

Folio Number(s): 1-5S-16-03387-011
File No.: RS2016-1186

Inst: 201612011042 Date: 07/01/2016 Time: 2:30PM
Page 1 of 2 B: 1317 P: 2562, P.DeWitt Cason, Clerk of Court
Columbia, County, By: KV
Deputy ClerkDoc Stamp-Deed: 201.60

WARRANTY DEED

THIS WARRANTY DEED made this 28th day of June, 2016 by **Chad M. Stewart and Joni L. Stewart, Husband and Wife** whose post office address is 292 SW Nightshade Dr., Lake City, FL 32024 hereinafter called the Grantor, to **Donald Ellis Little and Tawnya Rene Little, Husband and Wife,** whose post office address is 1542 SW Little Rd, Lake City, FL 32024 hereinafter called the Grantee. (Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations).

WITNESSETH: That the grantor, for and in consideration of the sum of TEN AND 00/100'S ($10.00) Dollars, and other variable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situated in Columbia County, Florida, viz:

Commence at the Southwest corner of the NW 1/4 of the NE 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run thence N 89° 29' E, along the South line of said NW 1/4 of the NE 1/4, 50.00 feet, thence run due North 247.50 feet to the Point of Beginning, thence continue due North 247.50 feet, thence N 89° 29' E, 361.00 feet, thence due South 247.50 feet, thence S 89° 29' W, 361.00 to the Point of Beginning.

SUBJECT TO RESTRICTION "Site built homes only. (No Mobile Homes)" These restrictions shall run with the land, and are not specific to the Grantee.

SUBJECT TO restrictions, reservations, easements and limitations of record, if any, provided that this shall not serve to reimpose same, zoning ordinances, and taxes for the current year and subsequent years.

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

880 1778133773

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 18-0574
DATE PAID: 4/25/18
FEE PAID: 425.00
RECEIPT #: 1352147

APPLICATION FOR:
[✓] New System [ ] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Donald Little

AGENT: Donald Little TELEPHONE: 386-697-1246

MAILING ADDRESS: P.O. BOX 2254 Lake City, Fl. 32056

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: _____ BLOCK: _____ SUBDIVISION: _____ PLATTED: _____

PROPERTY ID #: 01-5S-16-03387-000 ZONING: _____ I/M OR EQUIVALENT: [Y / (N)]

PROPERTY SIZE: 4.10 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 1859 Little Rd Lake City, Fl. 32024

DIRECTIONS TO PROPERTY: HWY 47 S., L onto Walter Ave., L. onto Little Rd Approximately ½ mile and property is on the left.

BUILDING INFORMATION [✓] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1				
2	Single Family Residence	6	4558	
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

SIGNATURE: _____ DATE: 06/26/2018

DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 7/14/2016 **DATE ISSUED:** 7/19/2016

ENHANCED 9-1-1 ADDRESS:

1859 SW LITTLE RD

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

01-5S-16-03387-011

Remarks:

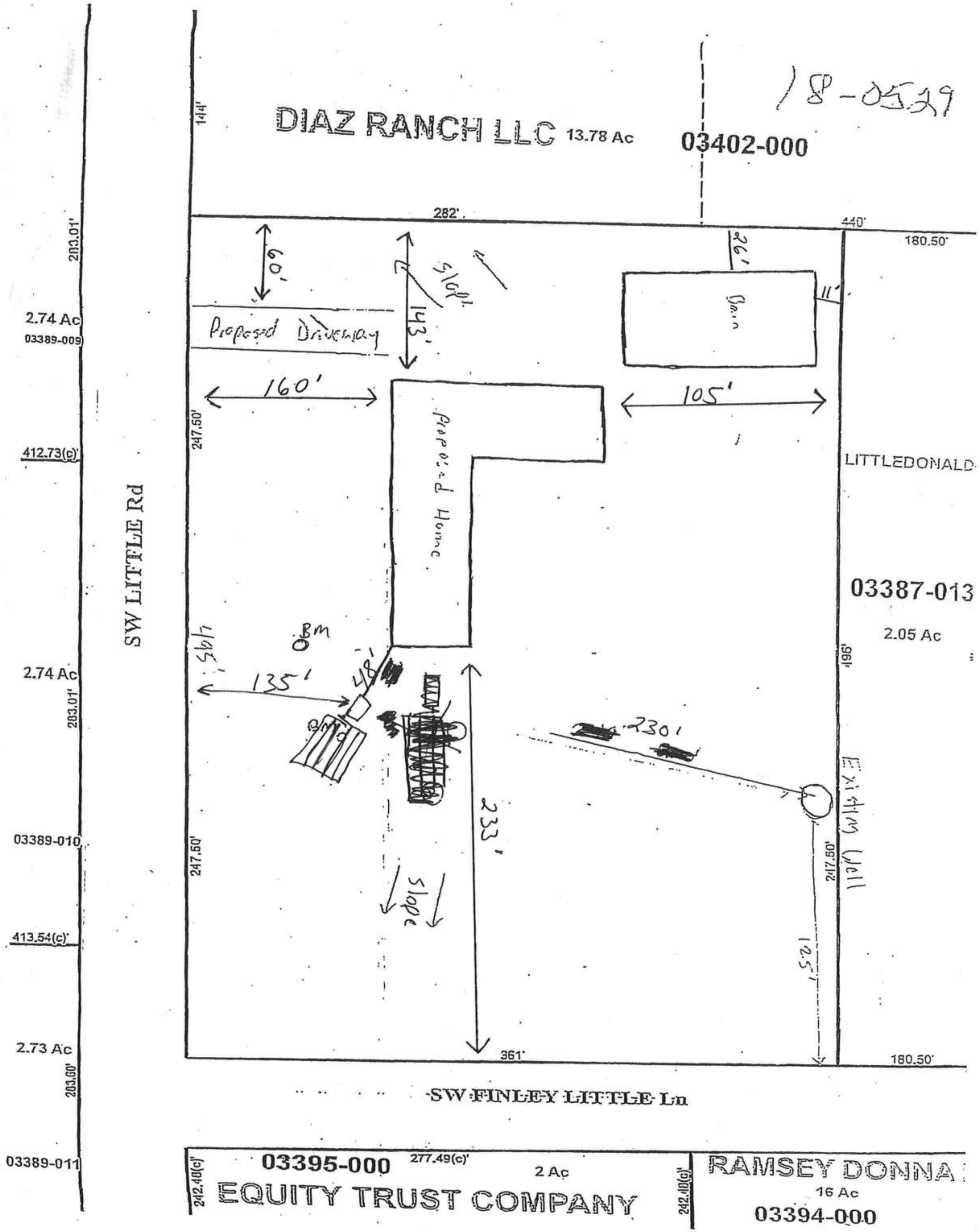
ADDRESS FOR PROPOSED STRUCTURE ON PARCEL.

Address Issued By: SIGNED:/ RONAL N. CROFT

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

3647


18-0539
DIAZ RANCH LLC 13.78 Ac
03402-000
144'
282'
440'
180.50'
203.01'
2.74 Ac
03389-009
60'
143'
Slope
Proposed Driveway
Barn
26'
11'
160'
105'
Proposed Home
247.50'
412.73(c)'
LITTLEDONALD
SW LITTLE Rd
03387-013
2.05 Ac
196'
BM
59'
135'
48'
2.74 Ac
203.01'
230'
Existing Well
233'
03389-010
247.50'
247.50'
Slope
413.54(c)'
12.5'
2.73 Ac
203.60'
361'
180.50'
SW FINLEY LITTLE Ln
03389-011
03395-000
277.49(c)'
2 Ac
242.40(c)'
EQUITY TRUST COMPANY
242.10(c)'
RAMSEY DONNA
16 Ac
03394-000

June 22, 2016

VIA ELECTRONIC MAIL

Abram Huber
225 SW Finley Little Road
Lake City, Fl 32024

Re: Statement of Land Use and Zoning
Tax Parcel 03387-000

Dear Mr. Huber,

In response to your request for a statement of land use and zoning for Tax Parcel 03387-000, the subject property has a Future Land Use Map Designation of Agriculture and a Zoning Designation of Agriculture-3 ("A-3"). The subject property does not meet the minimum density and lot requirements of the Columbia County Comprehensive Plan and Land Development Regulations ("LDRs"); however, the subject property was granted under a special family lot permit under Section 14.9 of the LDRs. Therefore, the subject property is a conforming lot.

If you have any additional questions, please do not hesitate to contact me via email or phone at bstubbs@columbiacountyfla.com or (386) 754-7119.

Sincerely,

Brandon M. Stubbs
County Planner/LDR Admin.
Building & Zoning

FORM R405-2017

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

Florida Department of Business and Professional Regulation
Simulated Performance Alternative (Performance) Method

Applications for compliance with the 2017 Florida Building Code, Energy Conservation via the residential Simulated Performance Method shall include:

- ☐ *This checklist*
- ☐ *A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).*
- ☐ *Energy Performance Level (EPL) Display Card (one page)*
- ☐ *HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7*
- ☐ *Mandatory Requirements (five pages)*

Required prior to CO for the Performance Method:

- ☐ *Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*
- ☐ *A completed Envelope Leakage Test Report (usually one page)*
- ☐ *If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*

FORM R405-2017

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	181225 Little Res	Builder Name:	Owner
Street:	1859 SW Little Rd	Permit Office:	
City, State, Zip:	Lake City , FL , 32024	Permit Number:	
Owner:	Donald & Tawnya Little	Jurisdiction:	
Design Location:	FL, Gainesville	County:	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	6
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	4558
Conditioned floor area below grade (ft²)	0

7. Windows (697.7 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.35	697.75 ft²
SHGC:	SHGC=0.25	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		10.993 ft.
Area Weighted Average SHGC:		0.250

8. Floor Types (4756.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	4756.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (4411.2 sqft.)	Insulation	Area
a. Face Brick - Block, Exterior	R=8.0	4198.70 ft²
b. Interior Frame - Wood, Interior	R=13.0	172.50 ft²
c. Face Brick - Block, Exterior	R=4.0	40.00 ft²
d. N/A	R=	ft²

10. Ceiling Types (5138.0 sqft.)	Insulation	Area
a. Roof Deck (Unvented)	R=22.0	4756.00 ft²
b. Knee Wall (Unvented)	R=0.0	382.00 ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: storage	6	911.6

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	101.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	101.0	HSPF:8.60

14. Hot water systems	
a. Electric	Cap: 40 gallons
	EF: 0.950
b. Conservation features	
None	
15. Credits	Pstat

Glass/Floor Area: 0.153

Total Proposed Modified Loads: 131.14

Total Baseline Loads: 136.88

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: Evan Beamsley

DATE: 2018-10-31

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	181225 Little Res	Bedrooms:	6	Address Type:	Street Address
Building Type:	User	Conditioned Area:	4558	Lot #	
Owner Name:	Donald & Tawnya Little	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Owner	Rotate Angle:	0	Street:	1859 SW Little Rd
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	4756	52118

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	4558	50138	Yes	1	6	1	Yes	Yes	Yes
2	storage	198	1980	No	0	0	1	Yes	No	No

FLOORS

√	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	392 ft	0	4558 ft²	----	0.3	0.3	0.4
_____	2	Slab-On-Grade Edge Insulatio	storage	38 ft	0	198 ft²	----	1	0	0

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	5700 ft²	0 ft²	Dark	0.92	No	0.9	No	22	36.9

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Unvented	0	4558 ft²	N	N

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
____	1	Under Attic (Unvented)	Main	0	Blown	4558 ft²	0.11	Wood
____	2	Knee Wall (Unvented)	Main	0	Blown	382 ft²	0.11	Wood
____	3	Under Attic (Unvented)	storage	0	Blown	198 ft²	0.11	Wood

WALLS

√ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____ 1	N	Exterior	Face Brick - Block	Main	8	28	9	10		287.5 ft²	0	0	0.75	0
____ 2	E	Exterior	Face Brick - Block	Main	8	37	10	10		378.3 ft²	0	0	0.75	0
____ 3	N	Exterior	Face Brick - Block	Main	8	6	10	12		82.0 ft²	0	0	0.75	0
____ 4	NE	Exterior	Face Brick - Block	Main	8	4	8	12		56.0 ft²	0	0	0.75	0
____ 5	E	Exterior	Face Brick - Block	Main	8	6		12		72.0 ft²	0	0	0.75	0
____ 6	N	Exterior	Face Brick - Block	Main	8	15	4	12		184.0 ft²	0	0	0.75	0
____ 7	E	Exterior	Face Brick - Block	Main	8	3	2	12		38.0 ft²	0	0	0.75	0
____ 8	N	Exterior	Face Brick - Block	Main	8	5		10		50.0 ft²	0	0	0.75	0
____ 9	W	Exterior	Face Brick - Block	Main	8	1	3	10		12.5 ft²	0	0	0.75	0
____ 10	NW	Exterior	Face Brick - Block	Main	8	8	2	10		81.7 ft²	0	0	0.75	0
____ 11	N	Exterior	Face Brick - Block	Main	8	8		10		80.0 ft²	0	0	0.75	0
____ 12	NE	Exterior	Face Brick - Block	Main	8	4	2	10		41.7 ft²	0	0	0.75	0
____ 13	E	Exterior	Face Brick - Block	Main	8	18	4	10		183.3 ft²	0	0	0.75	0
____ 14	N	Exterior	Face Brick - Block	Main	8	4	8	10		46.7 ft²	0	0	0.75	0
____ 15	E	Exterior	Face Brick - Block	Main	8	9		10		90.0 ft²	0	0	0.75	0
____ 16	S	Exterior	Face Brick - Block	Main	8	4	8	10		46.7 ft²	0	0	0.75	0
____ 17	E	Exterior	Face Brick - Block	Main	8	5	4	10		53.3 ft²	0	0	0.75	0
____ 18	N	Exterior	Face Brick - Block	Main	8	2	3	10		22.5 ft²	0	0	0.75	0
____ 19	NE	Exterior	Face Brick - Block	Main	8	3	10	10		38.3 ft²	0	0	0.75	0
____ 20	E	Exterior	Face Brick - Block	Main	8	3	10	10		38.3 ft²	0	0	0.75	0
____ 21	SE	Exterior	Face Brick - Block	Main	8	3	10	10		38.3 ft²	0	0	0.75	0
____ 22	S	Exterior	Face Brick - Block	Main	8	3	10	10		38.3 ft²	0	0	0.75	0
____ 23	SW	Exterior	Face Brick - Block	Main	8	3	10	10		38.3 ft²	0	0	0.75	0
____ 24	W	Exterior	Face Brick - Block	Main	8	2	3	10		22.5 ft²	0	0	0.75	0
____ 25	S	Exterior	Face Brick - Block	Main	8	11	8	10		116.7 ft²	0	0	0.75	0
____ 26	W	Exterior	Face Brick - Block	Main	8	2	0	10		20.0 ft²	0	0	0.75	0
____ 27	S	Exterior	Face Brick - Block	Main	8	13		12		156.0 ft²	0	0	0.75	0
____ 28	W	Exterior	Face Brick - Block	Main	8	4	0	12		48.0 ft²	0	0	0.75	0
____ 29	S	Exterior	Face Brick - Block	Main	8	10		12		120.0 ft²	0	0	0.75	0
____ 30	E	Exterior	Face Brick - Block	Main	4	4		10		40.0 ft²	0	0	0.75	0
____ 31	S	Exterior	Face Brick - Block	Main	8	13		12		156.0 ft²	0	0	0.75	0
____ 32	E	Exterior	Face Brick - Block	Main	8	3	9	10		37.5 ft²	0	0	0.75	0
____ 33	S	Exterior	Face Brick - Block	Main	8	13	0	10		130.0 ft²	0	0	0.75	0
____ 34	W	Exterior	Face Brick - Block	Main	8	1	8	10		16.7 ft²	0	0	0.75	0
____ 35	S	Exterior	Face Brick - Block	Main	8	11	0	10		110.0 ft²	0	0	0.75	0
____ 36	W	Exterior	Face Brick - Block	Main	8	1	8	10		16.7 ft²	0	0	0.75	0
____ 37	S	Exterior	Face Brick - Block	Main	8	12	8	10		126.7 ft²	0	0	0.75	0

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WALLS

√ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
___ 38	W	Exterior	Face Brick - Block	Main	8	24	4	10		243.3 ft²	0	0	0.75	0
___ 39	N	Exterior	Face Brick - Block	Main	8	9	0	10		90.0 ft²	0	0	0.75	0
___ 40	W	Exterior	Face Brick - Block	Main	8	4	6	10		45.0 ft²	0	0	0.75	0
___ 41	S	Exterior	Face Brick - Block	storage	8	9	0	10		90.0 ft²	0	0	0.75	0
___ 42	W	Exterior	Face Brick - Block	storage	8	15	7	10		155.8 ft²	0	0	0.75	0
___ 43	N	Exterior	Face Brick - Block	storage	8	12	8	10		126.7 ft²	0	0	0.75	0
___ 44	W	Exterior	Face Brick - Block	Main	8	37	4	10		373.3 ft²	0	0	0.75	0
___ 45	N	storage	Interior Frame - Wood	Main	13	3		10		30.0 ft²	0	0.23	0.75	0
___ 46	W	storage	Interior Frame - Wood	Main	13	14	3	10		142.5 ft²	0	0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
___	1	E	Insulated	Main	None	.4	3		8		24 ft²
___	2	E	Insulated	Main	None	.4	1		8		8 ft²
___	3	NW	Insulated	Main	None	.4	2		8		16 ft²
___	4	S	Insulated	Main	None	.4	2		10		20 ft²
___	5	W	Insulated	Main	None	.4	3		8		24 ft²
___	6	W	Insulated	storage	None	.4	6		8		48 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
___	1	N	1	Metal	Low-E Double	Yes	0.35	0.25	N	12.0 ft²	1 ft 6 in	1 ft 0 in	None	None
___	2	N	1	Metal	Low-E Double	Yes	0.35	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
___	3	E	2	Metal	Low-E Double	Yes	0.35	0.25	N	48.0 ft²	13 ft 2 in	1 ft 0 in	None	None
___	4	N	3	Metal	Low-E Double	Yes	0.35	0.25	N	30.0 ft²	38 ft 16 in	1 ft 0 in	None	None
___	5	NE	4	Metal	Low-E Double	Yes	0.35	0.25	N	23.3 ft²	8 ft 0 in	1 ft 0 in	None	None
___	6	E	5	Metal	Low-E Double	Yes	0.35	0.25	N	10.0 ft²	99 ft 0 in	1 ft 0 in	None	None
___	7	E	5	Metal	Low-E Double	Yes	0.35	0.25	N	16.0 ft²	99 ft 0 in	1 ft 0 in	None	None
___	8	N	6	Metal	Low-E Double	Yes	0.35	0.25	N	54.0 ft²	13 ft 2 in	1 ft 0 in	None	None
___	9	NW	10	Metal	Low-E Double	Yes	0.35	0.25	N	32.0 ft²	16 ft 0 in	1 ft 0 in	None	None
___	10	N	11	Metal	Low-E Double	Yes	0.35	0.25	N	36.0 ft²	8 ft 18 in	1 ft 0 in	None	None
___	11	NE	12	Metal	Low-E Double	Yes	0.35	0.25	N	18.0 ft²	3 ft 0 in	1 ft 0 in	None	None
___	12	E	13	Metal	Low-E Double	Yes	0.35	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
___	13	E	15	Metal	Low-E Double	Yes	0.35	0.25	N	12.0 ft²	1 ft 6 in	1 ft 0 in	None	None
___	14	NE	19	Metal	Low-E Double	Yes	0.35	0.25	N	4.7 ft²	1 ft 6 in	1 ft 0 in	None	None
___	15	E	20	Metal	Low-E Double	Yes	0.35	0.25	N	4.7 ft²	1 ft 6 in	1 ft 0 in	None	None
___	16	SE	21	Metal	Low-E Double	Yes	0.35	0.25	N	4.7 ft²	1 ft 6 in	1 ft 0 in	None	None
___	17	S	22	Metal	Low-E Double	Yes	0.35	0.25	N	4.7 ft²	1 ft 6 in	1 ft 0 in	None	None
___	18	SW	23	Metal	Low-E Double	Yes	0.35	0.25	N	5.3 ft²	1 ft 6 in	1 ft 0 in	None	None
___	19	S	25	Metal	Low-E Double	Yes	0.35	0.25	N	8.8 ft²	1 ft 6 in	5 ft 0 in	None	None
___	20	S	27	Metal	Low-E Double	Yes	0.35	0.25	N	15.0 ft²	1 ft 6 in	6 ft 0 in	None	None

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	21	S	27	Metal	Low-E Double	Yes	0.35	0.25	N	15.0 ft²	1 ft 6 in	6 ft 0 in	None	None
_____	22	S	27	Metal	Low-E Double	Yes	0.35	0.25	N	3.0 ft²	1 ft 6 in	4 ft 0 in	None	None
_____	23	S	27	Metal	Low-E Double	Yes	0.35	0.25	N	30.0 ft²	1 ft 6 in	4 ft 0 in	None	None
_____	24	S	27	Metal	Low-E Double	Yes	0.35	0.25	N	12.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	25	S	29	Metal	Low-E Double	Yes	0.35	0.25	N	40.0 ft²	7 ft 0 in	2 ft 0 in	None	None
_____	26	S	31	Metal	Low-E Double	Yes	0.35	0.25	N	15.0 ft²	1 ft 6 in	6 ft 0 in	None	None
_____	27	S	31	Metal	Low-E Double	Yes	0.35	0.25	N	15.0 ft²	1 ft 6 in	6 ft 0 in	None	None
_____	28	S	31	Metal	Low-E Double	Yes	0.35	0.25	N	3.0 ft²	1 ft 6 in	4 ft 0 in	None	None
_____	29	S	31	Metal	Low-E Double	Yes	0.35	0.25	N	3.0 ft²	1 ft 6 in	4 ft 0 in	None	None
_____	30	S	31	Metal	Low-E Double	Yes	0.35	0.25	N	12.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	31	S	33	Metal	Low-E Double	Yes	0.35	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	32	S	35	Metal	Low-E Double	Yes	0.35	0.25	N	8.8 ft²	1 ft 6 in	4 ft 0 in	None	None
_____	33	S	37	Metal	Low-E Double	Yes	0.35	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	34	W	40	Metal	Low-E Double	Yes	0.35	0.25	N	16.0 ft²	39 ft 10 in	1 ft 0 in	None	None
_____	35	W	44	Metal	Low-E Double	Yes	0.35	0.25	N	36.0 ft²	1 ft 6 in	1 ft 0 in	None	None
_____	36	W	44	Metal	Low-E Double	Yes	0.35	0.25	N	6.0 ft²	1 ft 6 in	1 ft 0 in	None	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000489	5849.4	321.13	603.92	.4114	7

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	HSPF:8.6	101 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	SEER: 14	101 kBtu/hr	3030 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	storage	0.95	40 gal	90 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

DUCTS

√	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	911.6 ft	Attic	227.9 ft	Default Leakage	storage	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[ ]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Main
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	storage

Name: no

Signature: _____

Rating Compant: no

Date: _____

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 96

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. New (From Plans)
2. Single-family or multiple-family	2. Single-family
3. No. of units (if multiple-family)	3. 1
4. Number of bedrooms	4. 6
5. Is this a worst case? (yes/no)	5. No
6. Conditioned floor area (sq. ft.)	6. 4558
7. Windows, type and area	
a) U-factor:(weighted average)	7a. 0.350
b) Solar Heat Gain Coefficient (SHGC)	7b. 0.250
c) Area	7c. 697.8
8. Skylights	
a) U-factor:(weighted average)	8a. NA
b) Solar Heat Gain Coefficient (SHGC)	8b. NA
9. Floor type, insulation level:	
a) Slab-on-grade (R-value)	9a. 0.0
b) Wood, raised (R-value)	9b.
c) Concrete, raised (R-value)	9c.
10. Wall type and insulation:	
A. Exterior:	
1. Wood frame (Insulation R-value)	10A1.
2. Masonry (Insulation R-value)	10A2. varies
B. Adjacent:	
1. Wood frame (Insulation R-value)	10B1.
2. Masonry (Insulation R-value)	10B2.
11. Ceiling type and insulation level	
a) Under attic	11a. 0.0
b) Single assembly	11b.
c) Knee walls/skylight walls	11c. 0.0
d) Radiant barrier installed	11d. No

12. Ducts, location & insulation level	
a) Supply ducts	R 6.0
b) Return ducts	R 6.0
c) AHU location	Attic/Attic
13. Cooling system:	Capacity 101.0
a) Split system	SEER
b) Single package	SEER
c) Ground/water source	SEER/COP
d) Room unit/PTAC	EER
e) Other	14.0
14. Heating system:	Capacity 101.0
a) Split system heat pump	HSPF
b) Single package heat pump	HSPF
c) Electric resistance	COP
d) Gas furnace, natural gas	AFUE
e) Gas furnace, LPG	AFUE
f) Other	8.60
15. Water heating system	
a) Electric resistance	EF 0.95
b) Gas fired, natural gas	EF
c) Gas fired, LPG	EF
d) Solar system with tank	EF
e) Dedicated heat pump with tank	EF
f) Heat recovery unit	HeatRec%
g) Other	
16. HVAC credits claimed (Performance Method)	
a) Ceiling fans	
b) Cross ventilation	No
c) Whole house fan	No
d) Multizone cooling credit	
e) Multizone heating credit	
f) Programmable thermostat	Yes

*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

I certify that this home has complied with the Florida Building Code, Energy Conservation, through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL display card will be completed based on installed code compliant features.

Builder Signature:_____ Date:_____

Address of New Home: 1859 SW Little Rd City/FL Zip: Lake City, FL 32024

Florida Building Code, Energy Conservation, 6th Edition (2017)
Mandatory Requirements for Residential Performance, Prescriptive and ERI Methods

ADDRESS:	1859 SW Little Rd Lake City , FL , 32024	Permit Number:

MANDATORY REQUIREMENTS See individual code sections for full details.

√

SECTION R401 GENERAL

☐ **R401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate code compliance for the building. A copy of the EPL display card can be found in Appendix RD.

☐ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.4.1 through R402.4.5.

Exception: Dwelling units of R-2 Occupancies and multiple attached single family dwellings shall be permitted to comply with Section C402.5.

☐ **R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

☐ **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.

☐ **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

Exception: Testing is not required for additions, alterations, renovations, or repairs, of the building thermal envelope of existing buildings in which the new construction is less than 85 percent of the building thermal envelope.

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

☐ **R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers or doors, and outdoor combustion air. Where using tight-fitting doors on factory-built fireplaces listed and labeled in accordance with UL 127, the doors shall be tested and listed for the fireplace. Where using tight-fitting doors on masonry fireplaces, the doors shall be listed and labeled in accordance with UL 907.

☐ **R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m2), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m2), when tested according to NFRC 400 or AAMA/ WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

MANDATORY REQUIREMENTS - (Continued)

☐ **R402.4.4 Rooms containing fuel-burning appliances.** In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8.

Exceptions:

1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside.
2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential.

☐ **R402.4.5 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

SECTION R403 SYSTEMS

R403.1 Controls.

☐ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

☐ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

☐ **R403.3.2 Sealing (Mandatory)** All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below.

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3.

☐ **R403.3.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193.

☐ **R403.3.3 Duct testing (Mandatory).** Ducts shall be pressure tested to determine air leakage by one of the following methods:

1. Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manuf air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test.
2. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test.

Exceptions:

1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope.
2. Duct testing is not mandatory for buildings complying by Section 405 of this code.

A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

☐ **R403.3.5 Building cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

☐ **R403.4 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

☐ **R403.4.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

☐ **R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory)** Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible.

☐ **R403.5.1.1 Circulation systems.** Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited. Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.

☐ **R403.5.1.2 Heat trace systems.** Electric heat trace systems shall comply with IEEE 515.1 or UL 515. Controls for such systems shall automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping in accordance with the times when heated water is used in the occupancy.

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.5.5 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

R403.5.6 Water heater efficiencies (Mandatory).

☐ **R403.5.6.1.1 Automatic controls.** Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).

☐ **R403.5.6.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off.

☐ **R403.5.6.2 Water-heating equipment.** Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1.

☐ **R403.5.6.2.1 Solar water-heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria:

1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
2. Be installed at an orientation within 45 degrees of true south.

☐ **R403.6 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

☐ **R403.6.1 Whole-house mechanical ventilation system fan efficacy.** When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1.

Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

☐ **R403.6.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

☐ **R403.7.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This Code does not allow designer safety factors, provisions for future expansion or other factors that affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

TABLE R403.6.1
WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM FAN EFFICACY

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY [a] (CFM/WATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min. a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS - (Continued)

☐ **R403.7.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.

The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature.

Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice.

R403.7.1.2 Heating equipment capacity.

☐ **R403.7.1.2.1 Heat pumps.** Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load.

☐ **R403.7.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.7.1.

☐ **R403.7.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.7.1.

☐ **R403.7.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

☐ **R403.8 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the IECC—Commercial Provisions in lieu of Section R403.

☐ **R403.9 Snow melt and ice system controls (Mandatory)** Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C).

☐ **R403.10 Pools and permanent spa energy consumption (Mandatory).** The energy consumption of pools and permanent spas shall be in accordance with Sections R403.10.1 through R403.10.5.

☐ **R403.10.1 Heaters.** The electric power to heaters shall be controlled by a readily accessible on-off switch that is an integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots.

☐ **R403.10.2 Time switches.** Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section.

Exceptions:

1. Where public health standards require 24-hour pump operation.
2. Pumps that operate solar- and waste-heat-recovery pool heating systems.
3. Where pumps are powered exclusively from on-site renewable generation.

☐ **R403.10.3 Covers.** Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

Exception: Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required.

☐ **R403.10.4 Gas- and oil-fired pool and spa heaters.** All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

☐ **R403.10.5 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.

☐ **R403.11 Portable spas (Mandatory).** The energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.

SECTION R404

ELECTRICAL POWER AND LIGHTING SYSTEMS

☐ **R404.1 Lighting equipment (Mandatory).** Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.

Exception: Low-voltage lighting.

R404.1.1 Lighting equipment (Mandatory) Fuel gas lighting systems shall not have continuously burning pilot lights.

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1
AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

				CHECK
Project Name:	181225 Little Res	Builder Name:	Owner	
Street:	1859 SW Little Rd	Permit Office:		
City, State, Zip:	Lake City , FL , 32024	Permit Number:		
Owner:	Donald & Tawnya Little	Jurisdiction:		
Design Location:	FL, Gainesville			

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance
2017 Florida Building Code, Energy Conservation, 6th Edition

Jurisdiction:	Permit #:

Job Information

Builder: Owner | Community: | Lot: NA

Address: 1859 SW Little Rd

City: Lake City | State: FL | Zip: 32024

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

○ **PRESCRIPTIVE METHOD-**The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

○ **PERFORMANCE or ERI METHOD-**The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2017 (Performance) or R406-2017 (ERI), section labeled as infiltration, sub-section ACH50.

ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 7.000

_____ x 60 ÷ 50138 = _____
CFM(50) Building Volume ACH(50)

☐ **PASS**

☐ When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

Method for calculating building volume:

○ Retrieved from architectural plans

● Code software calculated

○ Field measured and calculated

R402.4.1.2 Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statues.*or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the*code official.* Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope.*

During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.

Testing Company

Company Name: _____ Phone: _____

I hereby verify that the above Air Leakage results are in accordance with the 2017 6th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

Residential System Sizing Calculation

Summary

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title:
181225 Little Res

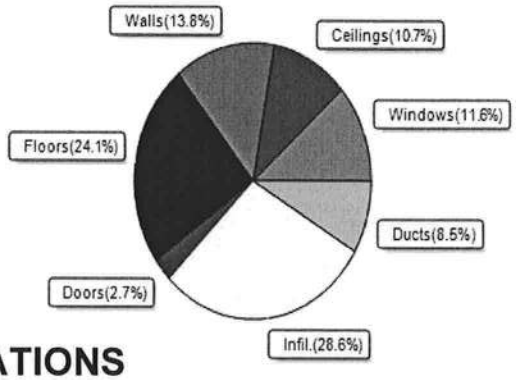
2018-10-31

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)						
Winter design temperature(TMY3 99%)	30	F		Summer design temperature(TMY3 99%)	94	F
Winter setpoint	70	F		Summer setpoint	75	F
Winter temperature difference	40	F		Summer temperature difference	19	F
Total heating load calculation	**84203**	**Btuh**		**Total cooling load calculation**	**57537**	**Btuh**
Submitted heating capacity	% of calc	Btuh		Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.9	101000		Sensible (SHR = 0.75)	187.9	75750
Heat Pump + Auxiliary(0.0kW)	119.9	101000		Latent	146.6	25250
				Total (Electric Heat Pump)	175.5	101000

WINTER CALCULATIONS

Winter Heating Load (for 4558 sqft)

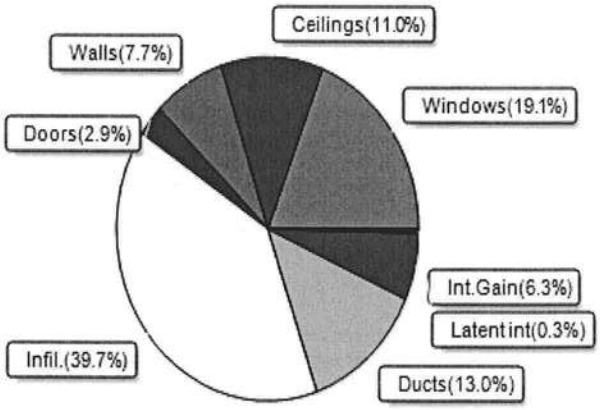
Load component			Load	
Window total	698	sqft	9769	Btuh
Wall total	3249	sqft	11618	Btuh
Door total	140	sqft	2240	Btuh
Ceiling total	5138	sqft	9028	Btuh
Floor total	See detail report		20296	Btuh
Infiltration	550	cfm	24087	Btuh
Duct loss			7165	Btuh
Subtotal			**84203**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**84203**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 4558 sqft)

Load component			Load	
Window total	698	sqft	10990	Btuh
Wall total	3249	sqft	4418	Btuh
Door total	140	sqft	1680	Btuh
Ceiling total	5138	sqft	6303	Btuh
Floor total			0	Btuh
Infiltration	413	cfm	8581	Btuh
Internal gain			3630	Btuh
Duct gain			4711	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**40313**	**Btuh**
Latent gain(ducts)			2785	Btuh
Latent gain(infiltration)			14239	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			200	Btuh
Total latent gain			**17224**	**Btuh**
TOTAL HEAT GAIN			**57537**	**Btuh**



Powered by ACCA MANUAL J 8th Edition

EnergyGauge® System Sizing
PREPARED BY: Evan Beamsley
DATE: 2018-10-31

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title:
181225 Little Res
Building Type: User

2018-10-31

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 40.0 F (TMY3 99%)

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.25	Metal	0.35	N	12.0	14.0	168 Btuh
2	2, NFRC 0.25	Metal	0.35	N	36.0	14.0	504 Btuh
3	2, NFRC 0.25	Metal	0.35	E	48.0	14.0	672 Btuh
4	2, NFRC 0.25	Metal	0.35	N	30.0	14.0	420 Btuh
5	2, NFRC 0.25	Metal	0.35	NE	23.3	14.0	327 Btuh
6	2, NFRC 0.25	Metal	0.35	E	10.0	14.0	140 Btuh
7	2, NFRC 0.25	Metal	0.35	E	16.0	14.0	224 Btuh
8	2, NFRC 0.25	Metal	0.35	N	54.0	14.0	756 Btuh
9	2, NFRC 0.25	Metal	0.35	NW	32.0	14.0	448 Btuh
10	2, NFRC 0.25	Metal	0.35	N	36.0	14.0	504 Btuh
11	2, NFRC 0.25	Metal	0.35	NE	18.0	14.0	252 Btuh
12	2, NFRC 0.25	Metal	0.35	E	36.0	14.0	504 Btuh
13	2, NFRC 0.25	Metal	0.35	E	12.0	14.0	168 Btuh
14	2, NFRC 0.25	Metal	0.35	NE	4.7	14.0	65 Btuh
15	2, NFRC 0.25	Metal	0.35	E	4.7	14.0	65 Btuh
16	2, NFRC 0.25	Metal	0.35	SE	4.7	14.0	65 Btuh
17	2, NFRC 0.25	Metal	0.35	S	4.7	14.0	65 Btuh
18	2, NFRC 0.25	Metal	0.35	SW	5.3	14.0	74 Btuh
19	2, NFRC 0.25	Metal	0.35	S	8.8	14.0	122 Btuh
20	2, NFRC 0.25	Metal	0.35	S	15.0	14.0	210 Btuh
21	2, NFRC 0.25	Metal	0.35	S	15.0	14.0	210 Btuh
22	2, NFRC 0.25	Metal	0.35	S	3.0	14.0	42 Btuh
23	2, NFRC 0.25	Metal	0.35	S	30.0	14.0	420 Btuh
24	2, NFRC 0.25	Metal	0.35	S	12.0	14.0	168 Btuh
25	2, NFRC 0.25	Metal	0.35	S	40.0	14.0	560 Btuh
26	2, NFRC 0.25	Metal	0.35	S	15.0	14.0	210 Btuh
27	2, NFRC 0.25	Metal	0.35	S	15.0	14.0	210 Btuh
28	2, NFRC 0.25	Metal	0.35	S	3.0	14.0	42 Btuh
29	2, NFRC 0.25	Metal	0.35	S	3.0	14.0	42 Btuh
30	2, NFRC 0.25	Metal	0.35	S	12.0	14.0	168 Btuh
31	2, NFRC 0.25	Metal	0.35	S	36.0	14.0	504 Btuh
32	2, NFRC 0.25	Metal	0.35	S	8.8	14.0	122 Btuh
33	2, NFRC 0.25	Metal	0.35	S	36.0	14.0	504 Btuh
34	2, NFRC 0.25	Metal	0.35	W	16.0	14.0	224 Btuh
35	2, NFRC 0.25	Metal	0.35	W	36.0	14.0	504 Btuh
36	2, NFRC 0.25	Metal	0.35	W	6.0	14.0	84 Btuh
	Window Total				697.7(sqft)		9769 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title:
181225 Little Res
Building Type: User

2018-10-31

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Face Br - Block	- Ext	(0.089)	8.0/0.0	240	3.55	851 Btuh
2	Face Br - Block	- Ext	(0.089)	8.0/0.0	306	3.55	1088 Btuh
3	Face Br - Block	- Ext	(0.089)	8.0/0.0	52	3.55	185 Btuh
4	Face Br - Block	- Ext	(0.089)	8.0/0.0	33	3.55	116 Btuh
5	Face Br - Block	- Ext	(0.089)	8.0/0.0	38	3.55	135 Btuh
6	Face Br - Block	- Ext	(0.089)	8.0/0.0	130	3.55	462 Btuh
7	Face Br - Block	- Ext	(0.089)	8.0/0.0	38	3.55	135 Btuh
8	Face Br - Block	- Ext	(0.089)	8.0/0.0	50	3.55	178 Btuh
9	Face Br - Block	- Ext	(0.089)	8.0/0.0	13	3.55	44 Btuh
10	Face Br - Block	- Ext	(0.089)	8.0/0.0	34	3.55	120 Btuh
11	Face Br - Block	- Ext	(0.089)	8.0/0.0	44	3.55	156 Btuh
12	Face Br - Block	- Ext	(0.089)	8.0/0.0	24	3.55	84 Btuh
13	Face Br - Block	- Ext	(0.089)	8.0/0.0	147	3.55	523 Btuh
14	Face Br - Block	- Ext	(0.089)	8.0/0.0	47	3.55	166 Btuh
15	Face Br - Block	- Ext	(0.089)	8.0/0.0	78	3.55	277 Btuh
16	Face Br - Block	- Ext	(0.089)	8.0/0.0	47	3.55	166 Btuh
17	Face Br - Block	- Ext	(0.089)	8.0/0.0	53	3.55	189 Btuh
18	Face Br - Block	- Ext	(0.089)	8.0/0.0	23	3.55	80 Btuh
19	Face Br - Block	- Ext	(0.089)	8.0/0.0	34	3.55	120 Btuh
20	Face Br - Block	- Ext	(0.089)	8.0/0.0	34	3.55	120 Btuh
21	Face Br - Block	- Ext	(0.089)	8.0/0.0	34	3.55	120 Btuh
22	Face Br - Block	- Ext	(0.089)	8.0/0.0	34	3.55	120 Btuh
23	Face Br - Block	- Ext	(0.089)	8.0/0.0	33	3.55	118 Btuh
24	Face Br - Block	- Ext	(0.089)	8.0/0.0	23	3.55	80 Btuh
25	Face Br - Block	- Ext	(0.089)	8.0/0.0	108	3.55	383 Btuh
26	Face Br - Block	- Ext	(0.089)	8.0/0.0	20	3.55	71 Btuh
27	Face Br - Block	- Ext	(0.089)	8.0/0.0	81	3.55	288 Btuh
28	Face Br - Block	- Ext	(0.089)	8.0/0.0	48	3.55	171 Btuh
29	Face Br - Block	- Ext	(0.089)	8.0/0.0	60	3.55	213 Btuh
30	Face Br - Block	- Ext	(0.138)	4.0/0.0	40	5.51	220 Btuh
31	Face Br - Block	- Ext	(0.089)	8.0/0.0	108	3.55	384 Btuh
32	Face Br - Block	- Ext	(0.089)	8.0/0.0	38	3.55	133 Btuh
33	Face Br - Block	- Ext	(0.089)	8.0/0.0	94	3.55	334 Btuh
34	Face Br - Block	- Ext	(0.089)	8.0/0.0	17	3.55	59 Btuh
35	Face Br - Block	- Ext	(0.089)	8.0/0.0	101	3.55	360 Btuh
36	Face Br - Block	- Ext	(0.089)	8.0/0.0	17	3.55	59 Btuh
37	Face Br - Block	- Ext	(0.089)	8.0/0.0	91	3.55	322 Btuh
38	Face Br - Block	- Ext	(0.089)	8.0/0.0	243	3.55	864 Btuh
39	Face Br - Block	- Ext	(0.089)	8.0/0.0	90	3.55	320 Btuh
40	Face Br - Block	- Ext	(0.089)	8.0/0.0	5	3.55	18 Btuh
44	Face Br - Block	- Ext	(0.089)	8.0/0.0	331	3.55	1177 Btuh
45	Frame - Wood	- Int	(0.089)	13.0/0.0	30	3.55	107 Btuh
46	Frame - Wood	- Int	(0.089)	13.0/0.0	143	3.55	506 Btuh
	Wall Total				3249(sqft)		11618 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title:
181225 Little Res
Building Type: User

2018-10-31

Doors	Type	Storm	Ueff.		Area X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)		24	16.0	384 Btuh
2	Insulated - Exterior,	n	(0.400)		8	16.0	128 Btuh
3	Insulated - Exterior,	n	(0.400)		16	16.0	256 Btuh
4	Insulated - Exterior,	n	(0.400)		20	16.0	320 Btuh
5	Insulated - Exterior,	n	(0.400)		24	16.0	384 Btuh
6	Insulated - Exterior,	n	(0.400)		48	16.0	768 Btuh
	Door Total				140(sqft)		2240Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area X	HTM=	Load
1	Unvent Attic/D/Shing		(0.044)	0.0/22.0	4558	1.7	7962 Btuh
2	Knee Wall/D/Shing		(0.047)	0.0/22.0	382	1.9	721 Btuh
3	Unvent Attic/D/Shing		(0.044)	0.0/22.0	198	1.7	346 Btuh
	Ceiling Total				5138(sqft)		9028Btuh
Floors	Type		Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	392.0 ft(perim.)	47.2	18502 Btuh
2	Slab On Grade		(1.180)	0.0	38.0 ft(perim.)	47.2	1794 Btuh
	Floor Total				4756 sqft		20296 Btuh
					Envelope Subtotal:		52951 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural		0.66	50138	1.00	550.1	24087 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)					(DLM of 0.093)	7165 Btuh
All Zones					**Sensible Subtotal All Zones**		**84203 Btuh**

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	84203 Btuh
	Ventilation Sensible Heat Loss	0 Btuh
	Total Heat Loss	84203 Btuh

EQUIPMENT

1. Electric Heat Pump	#	101000 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title:
181225 Little Res
Building Type: User

2018-10-31

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title:
181225 Little Res

2018-10-31

Reference City: Gainesville, FL Temperature Difference: 19.0F(TMY3 99%) Humidity difference: 51gr.

Component Loads for Whole House

Window	Type*					Overhang		Window Area(sqft)			HTM		Load
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2 NFRC	0.25,	0.35	No	No	N	1.5ft.	1.0ft.	12.0	0.0	12.0	12	12	143 Btuh
2	2 NFRC	0.25,	0.35	No	No	N	1.5ft.	1.0ft.	36.0	0.0	36.0	12	12	429 Btuh
3	2 NFRC	0.25,	0.35	No	No	E	13.2f	1.0ft.	48.0	48.0	0.0	12	31	572 Btuh
4	2 NFRC	0.25,	0.35	No	No	N	39.3f	1.0ft.	30.0	0.0	30.0	12	12	357 Btuh
5	2 NFRC	0.25,	0.35	No	No	NE	8.0ft.	1.0ft.	23.3	0.0	23.3	12	23	547 Btuh
6	2 NFRC	0.25,	0.35	No	No	E	99.0f	1.0ft.	10.0	10.0	0.0	12	31	119 Btuh
7	2 NFRC	0.25,	0.35	No	No	E	99.0f	1.0ft.	16.0	16.0	0.0	12	31	191 Btuh
8	2 NFRC	0.25,	0.35	No	No	N	13.2f	1.0ft.	54.0	0.0	54.0	12	12	643 Btuh
9	2 NFRC	0.25,	0.35	No	No	NW	16.0f	1.0ft.	32.0	0.0	32.0	12	23	750 Btuh
10	2 NFRC	0.25,	0.35	No	No	N	9.5ft.	1.0ft.	36.0	0.0	36.0	12	12	429 Btuh
11	2 NFRC	0.25,	0.35	No	No	NE	3.0ft.	1.0ft.	18.0	0.0	18.0	12	23	422 Btuh
12	2 NFRC	0.25,	0.35	No	No	E	1.5ft.	1.0ft.	36.0	1.5	34.5	12	31	1079 Btuh
13	2 NFRC	0.25,	0.35	No	No	E	1.5ft.	1.0ft.	12.0	1.5	10.5	12	31	341 Btuh
14	2 NFRC	0.25,	0.35	No	No	NE	1.5ft.	1.0ft.	4.7	0.0	4.7	12	23	109 Btuh
15	2 NFRC	0.25,	0.35	No	No	E	1.5ft.	1.0ft.	4.7	0.7	4.0	12	31	131 Btuh
16	2 NFRC	0.25,	0.35	No	No	SE	1.5ft.	1.0ft.	4.7	3.9	0.8	12	25	65 Btuh
17	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	1.0ft.	4.7	4.7	0.0	12	14	56 Btuh
18	2 NFRC	0.25,	0.35	No	No	SW	1.5ft.	1.0ft.	5.3	4.4	0.8	12	25	73 Btuh
19	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	5.0ft.	8.8	8.8	0.0	12	14	104 Btuh
20	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	6.0ft.	15.0	7.6	7.4	12	14	193 Btuh
21	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	6.0ft.	15.0	7.6	7.4	12	14	193 Btuh
22	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	4.0ft.	3.0	3.0	0.0	12	14	36 Btuh
23	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	4.0ft.	30.0	13.6	16.4	12	14	389 Btuh
24	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	1.0ft.	12.0	12.0	0.0	12	14	143 Btuh
25	2 NFRC	0.25,	0.35	No	No	S	7.0ft.	2.0ft.	40.0	40.0	0.0	12	14	476 Btuh
26	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	6.0ft.	15.0	7.6	7.4	12	14	193 Btuh
27	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	6.0ft.	15.0	7.6	7.4	12	14	193 Btuh
28	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	4.0ft.	3.0	3.0	0.0	12	14	36 Btuh
29	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	4.0ft.	3.0	3.0	0.0	12	14	36 Btuh
30	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	1.0ft.	12.0	12.0	0.0	12	14	143 Btuh
31	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	1.0ft.	36.0	36.0	0.0	12	14	429 Btuh
32	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	4.0ft.	8.8	8.8	0.0	12	14	104 Btuh
33	2 NFRC	0.25,	0.35	No	No	S	1.5ft.	1.0ft.	36.0	36.0	0.0	12	14	429 Btuh
34	2 NFRC	0.25,	0.35	No	No	W	39.8f	1.0ft.	16.0	16.0	0.0	12	31	191 Btuh
35	2 NFRC	0.25,	0.35	No	No	W	1.5ft.	1.0ft.	36.0	1.5	34.5	12	31	1079 Btuh
36	2 NFRC	0.25,	0.35	No	No	W	1.5ft.	1.0ft.	6.0	1.0	5.0	12	31	166 Btuh
	Window Total								698 (sqft)					10990 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title: 181225 Little Res

Climate:FL_GAINESVILLE_REGIONAL_A

2018-10-31

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Face Brick - Block - Ext	0.09	8.0/0.0	239.5	1.3	319 Btuh
2	Face Brick - Block - Ext	0.09	8.0/0.0	306.3	1.3	408 Btuh
3	Face Brick - Block - Ext	0.09	8.0/0.0	52.0	1.3	69 Btuh
4	Face Brick - Block - Ext	0.09	8.0/0.0	32.7	1.3	44 Btuh
5	Face Brick - Block - Ext	0.09	8.0/0.0	38.0	1.3	51 Btuh
6	Face Brick - Block - Ext	0.09	8.0/0.0	130.0	1.3	173 Btuh
7	Face Brick - Block - Ext	0.09	8.0/0.0	38.0	1.3	51 Btuh
8	Face Brick - Block - Ext	0.09	8.0/0.0	50.0	1.3	67 Btuh
9	Face Brick - Block - Ext	0.09	8.0/0.0	12.5	1.3	17 Btuh
10	Face Brick - Block - Ext	0.09	8.0/0.0	33.7	1.3	45 Btuh
11	Face Brick - Block - Ext	0.09	8.0/0.0	44.0	1.3	59 Btuh
12	Face Brick - Block - Ext	0.09	8.0/0.0	23.7	1.3	32 Btuh
13	Face Brick - Block - Ext	0.09	8.0/0.0	147.3	1.3	196 Btuh
14	Face Brick - Block - Ext	0.09	8.0/0.0	46.7	1.3	62 Btuh
15	Face Brick - Block - Ext	0.09	8.0/0.0	78.0	1.3	104 Btuh
16	Face Brick - Block - Ext	0.09	8.0/0.0	46.7	1.3	62 Btuh
17	Face Brick - Block - Ext	0.09	8.0/0.0	53.3	1.3	71 Btuh
18	Face Brick - Block - Ext	0.09	8.0/0.0	22.5	1.3	30 Btuh
19	Face Brick - Block - Ext	0.09	8.0/0.0	33.7	1.3	45 Btuh
20	Face Brick - Block - Ext	0.09	8.0/0.0	33.7	1.3	45 Btuh
21	Face Brick - Block - Ext	0.09	8.0/0.0	33.7	1.3	45 Btuh
22	Face Brick - Block - Ext	0.09	8.0/0.0	33.7	1.3	45 Btuh
23	Face Brick - Block - Ext	0.09	8.0/0.0	33.1	1.3	44 Btuh
24	Face Brick - Block - Ext	0.09	8.0/0.0	22.5	1.3	30 Btuh
25	Face Brick - Block - Ext	0.09	8.0/0.0	107.9	1.3	144 Btuh
26	Face Brick - Block - Ext	0.09	8.0/0.0	20.0	1.3	27 Btuh
27	Face Brick - Block - Ext	0.09	8.0/0.0	81.0	1.3	108 Btuh
28	Face Brick - Block - Ext	0.09	8.0/0.0	48.0	1.3	64 Btuh
29	Face Brick - Block - Ext	0.09	8.0/0.0	60.0	1.3	80 Btuh
30	Face Brick - Block - Ext	0.14	4.0/0.0	40.0	2.1	83 Btuh
31	Face Brick - Block - Ext	0.09	8.0/0.0	108.0	1.3	144 Btuh
32	Face Brick - Block - Ext	0.09	8.0/0.0	37.5	1.3	50 Btuh
33	Face Brick - Block - Ext	0.09	8.0/0.0	94.0	1.3	125 Btuh
34	Face Brick - Block - Ext	0.09	8.0/0.0	16.7	1.3	22 Btuh
35	Face Brick - Block - Ext	0.09	8.0/0.0	101.3	1.3	135 Btuh
36	Face Brick - Block - Ext	0.09	8.0/0.0	16.7	1.3	22 Btuh
37	Face Brick - Block - Ext	0.09	8.0/0.0	90.7	1.3	121 Btuh
38	Face Brick - Block - Ext	0.09	8.0/0.0	243.3	1.3	324 Btuh
39	Face Brick - Block - Ext	0.09	8.0/0.0	90.0	1.3	120 Btuh
40	Face Brick - Block - Ext	0.09	8.0/0.0	5.0	1.3	7 Btuh
44	Face Brick - Block - Ext	0.09	8.0/0.0	331.3	1.3	441 Btuh
45	Frame - Wood - Int	0.09	13.0/0.0	30.0	1.7	51 Btuh
46	Frame - Wood - Int	0.09	13.0/0.0	142.5	1.7	240 Btuh
	Wall Total			3249 (sqft)		4418 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	24.0	12.0	288 Btuh
2	Insulated - Exterior	8.0	12.0	96 Btuh
3	Insulated - Exterior	16.0	12.0	192 Btuh
4	Insulated - Exterior	20.0	12.0	240 Btuh
5	Insulated - Exterior	24.0	12.0	288 Btuh
6	Insulated - Exterior	48.0	12.0	576 Btuh
	Door Total	140 (sqft)		1680 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title: 181225 Little Res

Climate:FL_GAINESVILLE_REGIONAL_A

2018-10-31

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Unvented Attic/DarkShingle	0.044	0.0/22.0	4558.0	1.31	5971 Btuh
2	Knee Wall/DarkShingle	0.047	0.0/22.0	382.0	0.19	72 Btuh
3	Unvented Attic/DarkShingle	0.044	0.0/22.0	198.0	1.31	259 Btuh
	Ceiling Total			5138 (sqft)		6303 Btuh
Floors	Type		R-Value	Size	HTM	Load
1	Slab On Grade		0.0	4558 (ft-perimeter)	0.0	0 Btuh
2	Slab On Grade		0.0	198 (ft-perimeter)	0.0	0 Btuh
	Floor Total			4756.0 (sqft)		0 Btuh
				Envelope Subtotal:		23391 Btuh

Infiltration	Type	Average ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	Natural	0.49	50138	1	412.5	8581 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		1	X 230	+	3400	3630 Btuh
				Sensible Envelope Load:		35602 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.132)		4711 Btuh
				Sensible Load All Zones		**40313 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Donald & Tawnya Little
1859 SW Little Rd
Lake City, FL 32024

Project Title: 181225 Little Res

Climate:FL_GAINESVILLE_REGIONAL_A

2018-10-31

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**35602 Btuh**
	Sensible Duct Load	4711 Btuh
	Total Sensible Zone Loads	**40313 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**40313 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	14239 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2785 Btuh
	Latent occupant gain (1.0 people @ 200 Btuh per person)	200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**17224 Btuh**
	TOTAL GAIN	**57537 Btuh**

EQUIPMENT

1. Central Unit	#	101000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except as mentioned above.

IN WITNESS WHEREOF, the said grantor has signed and sealed the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness

Witness Robert Stewart

Abram Huber

STATE OF: FLORIDA
COUNTY OF: COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of June, 2016 by Abram Huber who is/are personally known to me or has/have produced FL DL as identification and who did not take an oath.

Notary Public

Robert Stew-
Printed Notary Name

ROBERT S STEWART
MY COMMISSION #FF058075
EXPIRES September 26, 2017
(407) 398-0153 FloridaNotaryService.com

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except as mentioned above.

IN WITNESS WHEREOF, the said grantor has signed and sealed the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness Gina M. Stuart

Witness Susan B. Weirich

Chad M. Stewart

Joni L. Stewart

STATE OF: FLORIDA
COUNTY OF: COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of June, 2016 by Chad M. Stewart and Joni L. Stewart who is/are personally known to me or has/have produced _____ as identification and who did not take an oath.

Notary Public

Printed Notary Name

SUSAN B. WEIRICH
Commission # FF 200974
Expires April 28, 2019
Bonded Thru Troy Fain Insurance 800-385-7019

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

RE: Donald_Little - Donald Little

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

Site Information:
Customer Info: Don Little Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Gainesville 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 8.1
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 55.0 psf Floor Load: N/A psf

This package includes 98 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	T15058569	A1GE	9/12/18	18	T15058586	A14	9/12/18
2	T15058570	A2	9/12/18	19	T15058587	A15	9/12/18
3	T15058571	A3	9/12/18	20	T15058588	A15A	9/12/18
4	T15058572	A4	9/12/18	21	T15058589	A16	9/12/18
5	T15058573	A5	9/12/18	22	T15058590	A17	9/12/18
6	T15058574	A6	9/12/18	23	T15058591	A18	9/12/18
7	T15058575	A6A	9/12/18	24	T15058592	A19	9/12/18
8	T15058576	A6B	9/12/18	25	T15058593	A20	9/12/18
9	T15058577	A7	9/12/18	26	T15058594	A21	9/12/18
10	T15058578	A7A	9/12/18	27	T15058595	A22	9/12/18
11	T15058579	A8	9/12/18	28	T15058596	B1GIR	9/12/18
12	T15058580	A9GIR	9/12/18	29	T15058597	B2	9/12/18
13	T15058581	A10	9/12/18	30	T15058598	B3	9/12/18
14	T15058582	A11	9/12/18	31	T15058599	B4	9/12/18
15	T15058583	A12	9/12/18	32	T15058600	B5	9/12/18
16	T15058584	A13	9/12/18	33	T15058601	B6	9/12/18
17	T15058585	A13A	9/12/18	34	T15058602	B7	9/12/18

See Highlights !!!

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: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2019.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

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. Any project specific information included is for MiTek's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek 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.

RE: Donald_Little - Donald Little

Site Information:

Customer Info: Don Little Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Gainesville State: Fl

No.	Seal#	Truss Name	Date
35	T15058603	B8	9/12/18
36	T15058604	B9	9/12/18
37	T15058605	B10	9/12/18
38	T15058606	B11GIR	9/12/18
39	T15058607	C1GE	9/12/18
40	T15058608	C2	9/12/18
41	T15058609	C3	9/12/18
42	T15058610	C4	9/12/18
43	T15058611	C5	9/12/18
44	T15058612	C6	9/12/18
45	T15058613	C7	9/12/18
46	T15058614	C8	9/12/18
47	T15058615	C9GIR	9/12/18
48	T15058616	CJ01	9/12/18
49	T15058617	CJ02	9/12/18
50	T15058618	D1GE	9/12/18
51	T15058619	D2GIR	9/12/18
52	T15058620	E1GE	9/12/18
53	T15058621	F1GIR	9/12/18
54	T15058622	F2GIR	9/12/18
55	T15058623	G1GE	9/12/18
56	T15058624	H1GE	9/12/18
57	T15058625	H2	9/12/18
58	T15058626	H3	9/12/18
59	T15058627	J1	9/12/18
60	T15058628	J1A	9/12/18
61	T15058629	J1B	9/12/18
62	T15058630	J1C	9/12/18
63	T15058631	J1E	9/12/18
64	T15058632	J1F	9/12/18
65	T15058633	J2	9/12/18
66	T15058634	J3	9/12/18
67	T15058635	J4	9/12/18
68	T15058636	PB01	9/12/18
69	T15058637	PB02	9/12/18
70	T15058638	PB03	9/12/18
71	T15058639	PB04	9/12/18
72	T15058640	PB05	9/12/18
73	T15058641	PB06	9/12/18
74	T15058642	PB07	9/12/18
75	T15058643	PB08	9/12/18
76	T15058644	PB09	9/12/18
77	T15058645	PB10	9/12/18
78	T15058646	PB11	9/12/18
79	T15058647	PB12	9/12/18
80	T15058648	PB13	9/12/18
81	T15058649	PB14	9/12/18
82	T15058650	PB15	9/12/18
83	T15058651	PB15A	9/12/18
84	T15058652	PB16	9/12/18
85	T15058653	PB17	9/12/18
86	T15058654	PB18	9/12/18
87	T15058655	PB19	9/12/18
88	T15058656	PB20	9/12/18
89	T15058657	PB21	9/12/18
90	T15058658	PB22	9/12/18
91	T15058659	PB23	9/12/18
92	T15058660	PB24	9/12/18
93	T15058661	PB25	9/12/18
94	T15058662	PB26	9/12/18
95	T15058663	T27	9/12/18
96	T15058664	T29	9/12/18
97	T15058665	T30	9/12/18
98	T15058666	T31	9/12/18

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A1GE	Half Hip Girder	1	2	T15058569

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:28 2018 Page 1

ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-fGUHqTYfK46edqxsbTI1zCUHLt?fDVvvFNbDyDyeRVH

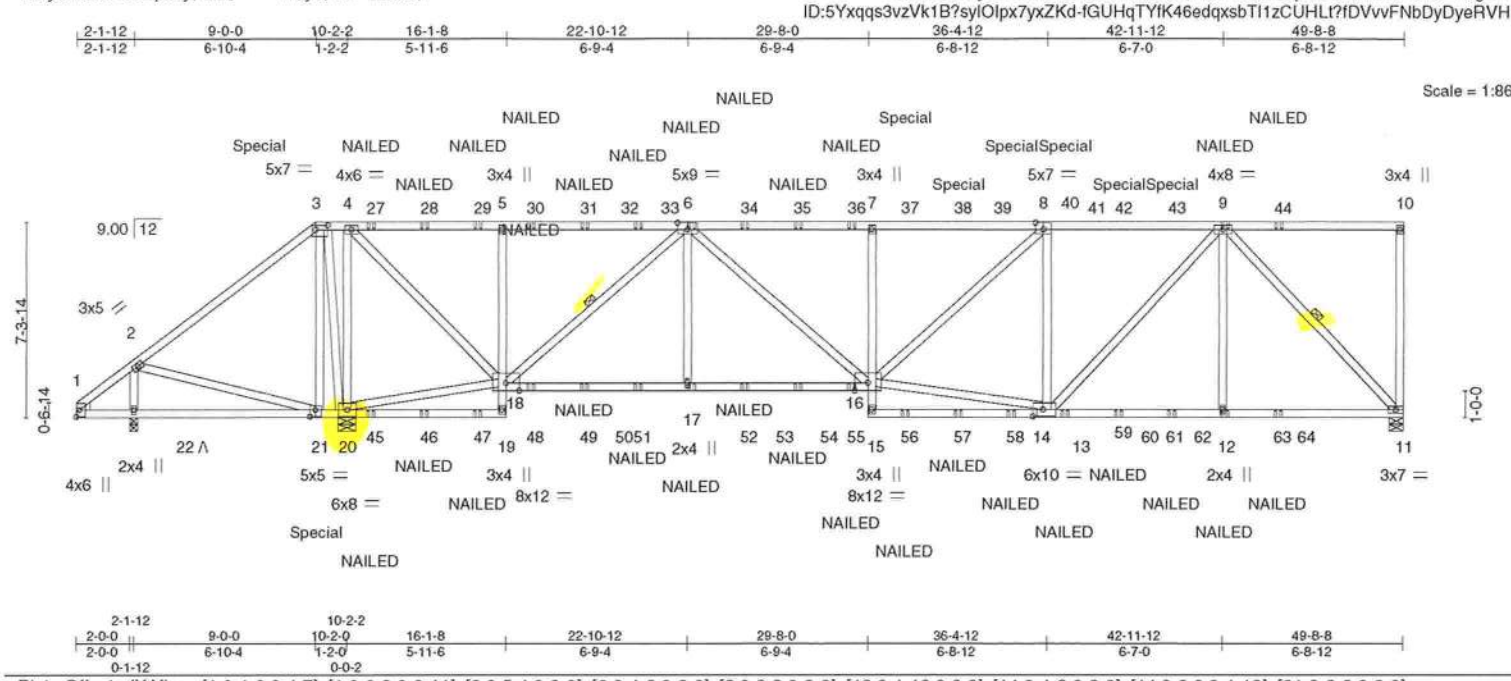


Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-5-4,0-2-0], [6:0-4-8,0-3-0], [8:0-3-8,0-3-0], [13:0-1-12,0-0-0], [14:0-4-8,0-3-0], [14:0-0-0,0-1-12], [21:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.89	Vert(LL)	-0.29	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.89	Vert(CT)	-0.53	16-17	>887	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 698 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
16-18: 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-21,19-20.
WEBS 1 Row at midpt 6-18, 9-11

REACTIONS. (lb/size) 11=3977/0-6-8, 22=-0/0-3-8, 20=6085/0-8-0
Max Horz 22=210(LC 24)
Max Uplift 11=-562(LC 8), 22=REL, 20=-1886(LC 8)
Max Grav 11=4051(LC 18), 22=467(LC 5), 20=6085(LC 1)

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

TOP CHORD 2-3=-594/927, 3-4=-526/790, 4-5=-3272/170, 5-6=-3297/172, 6-7=-7099/930, 7-8=-7072/931, 8-9=-5528/765
BOT CHORD 20-21=-602/523, 18-19=-104/275, 5-18=-686/148, 17-18=-672/6106, 16-17=-672/6106, 15-16=0/253, 7-16=-889/224, 12-13=-530/3499, 11-12=-530/3499
WEBS 2-22=-473/245, 2-21=-708/590, 3-21=-357/393, 3-20=-1295/803, 4-20=-4227/783, 18-20=-709/634, 4-18=-943/5146, 6-18=-3838/723, 6-17=-161/1077, 6-16=-282/1429, 13-16=-771/5456, 8-16=-203/1989, 8-13=-2664/520, 9-13=-283/2992, 9-12=-101/658, 9-11=-5088/732

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; 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
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=562, 20=1886.
9) "Λ" indicates Released bearing: allow for upward movement at joint(s) 22.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	A1GE	Half Hip Girder	1	2	Job Reference (optional)	T15058569

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:28 2018 Page 1
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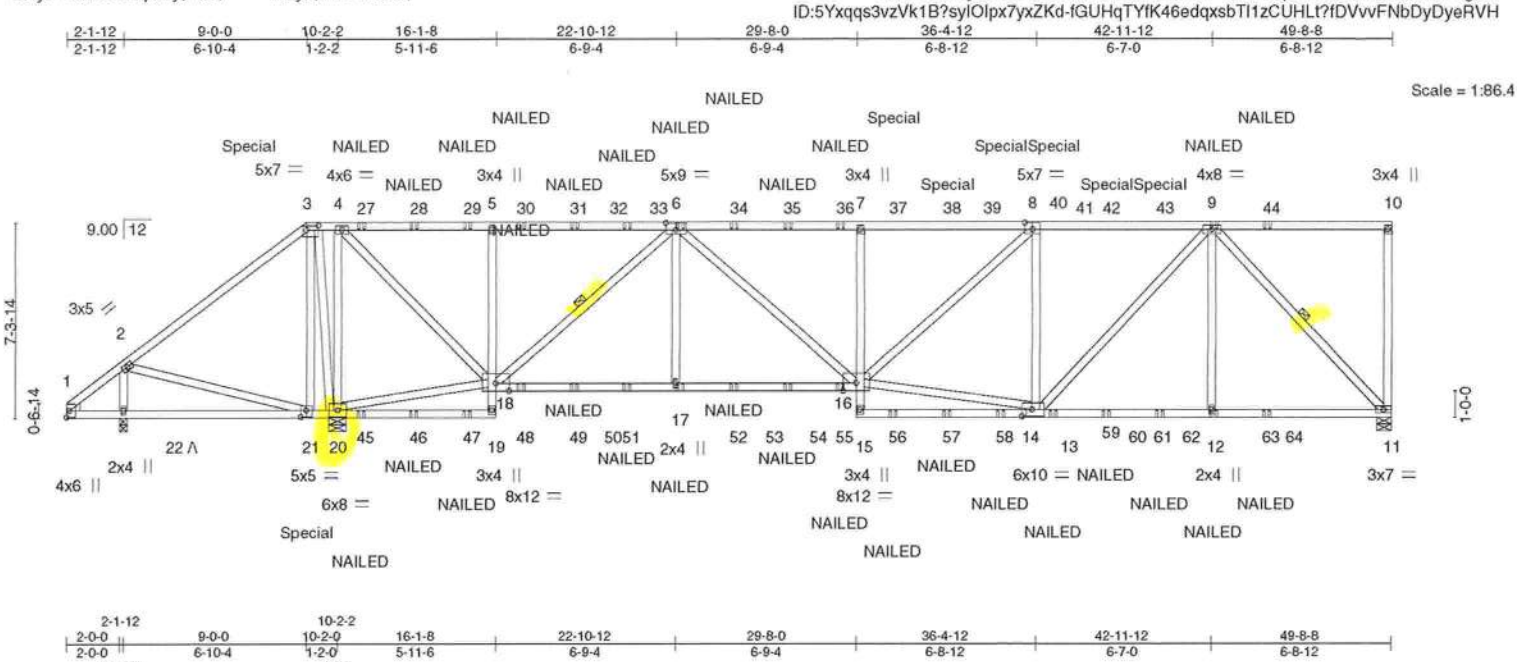


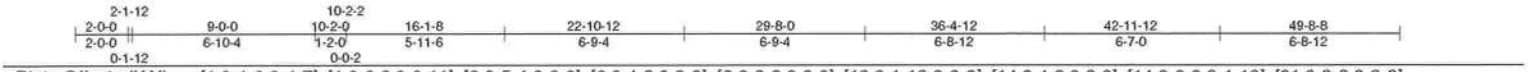


Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-5-4,0-2-0], [6:0-4-8,0-3-0], [8:0-3-8,0-3-0], [13:0-1-12,0-0-0], [14:0-4-8,0-3-0], [14:0-0-0,0-1-12], [21:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.89	Vert(LL)	-0.29	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.89	Vert(CT)	-0.53	16-17	>887	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.17	11	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 698 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
16-18: 2x4 SP No.1
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-5-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 20-21,19-20.
WEBS 1 Row at midpt 6-18, 9-11

REACTIONS. (lb/size) 11=3977/0-6-8, 22=-0/0-3-8, 20=6085/0-8-0
Max Horz 22=210(LC 24)
Max Uplift 11=-562(LC 8), 22=REL, 20=-1886(LC 8)
Max Grav 11=4051(LC 18), 22=467(LC 5), 20=6085(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-594/927, 3-4=-526/790, 4-5=-3272/170, 5-6=-3297/172, 6-7=-7099/930, 7-8=-7072/931, 8-9=-5528/765
BOT CHORD 20-21=-602/523, 18-19=-104/275, 5-18=-686/148, 17-18=-672/6106, 16-17=-672/6106, 15-16=0/253, 7-16=-889/224, 12-13=-530/3499, 11-12=-530/3499
WEBS 2-22=-473/245, 2-21=-708/590, 3-21=-357/393, 3-20=-1295/803, 4-20=-4227/783, 18-20=-709/634, 4-18=-943/5146, 6-18=-3838/723, 6-17=-161/1077, 6-16=-282/1429, 13-16=-771/5456, 8-16=-203/1989, 8-13=-2664/520, 9-13=-283/2992, 9-12=-101/658, 9-11=-5088/732

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; 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
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 11=562, 20=1886.
9) "Λ" indicates Released bearing: allow for upward movement at joint(s) 22.
10) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

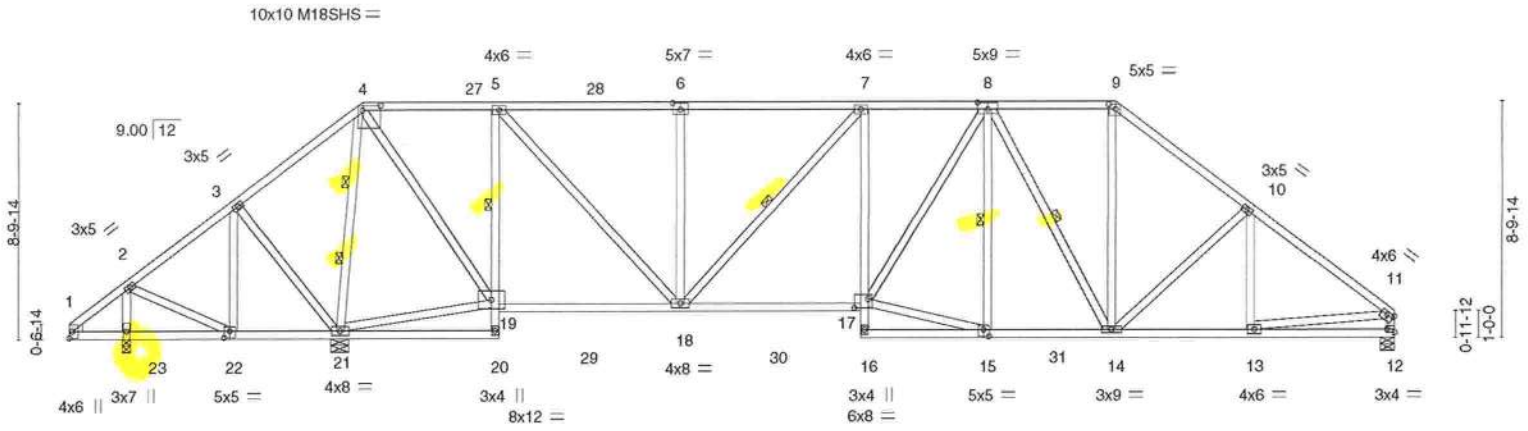
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	A2	HIP	1	1	Job Reference (optional)	T15058570

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:30 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-cfc2F9ZvshMMs85EjunV2dahfhjUhPRBih4J05yeRVF

2-1-12	6-1-15	11-0-0	16-1-8	22-10-12	29-8-0	34-5-8	39-3-0	44-4-0	49-8-8
2-1-12	4-0-3	4-10-1	5-1-8	6-9-4	6-9-4	4-9-8	4-9-8	5-1-0	5-4-8

Scale = 1:86.3



2-1-12	6-1-15	10-2-0	10-2-2	16-1-8	22-10-12	29-8-0	34-5-8	39-3-0	44-4-0	49-8-8
2-0-0	4-0-3	4-0-1	0-0-2	5-11-6	6-9-4	6-9-4	4-9-8	4-9-8	5-1-0	5-4-8

0-1-12

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [4:0-8-0,0-2-0], [6:0-3-8,0-3-0], [8:0-4-8,0-3-0], [9:0-3-0,0-2-0], [11:Edge,0-1-8], [12:Edge,0-1-8], [15:0-2-8,0-3-0], [17:0-6-4,0-4-0], [22:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.58	Vert(LL)	-0.18	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.67	Vert(CT)	-0.35	17-18	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.80	Horz(CT)	0.10	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 361 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-19
WEBS 1 Row at midpt 7-18, 8-15, 8-14
2 Rows at 1/3 pts 4-21

REACTIONS. (lb/size) 23=-461/0-3-8, 21=3976/0-8-0, 12=1937/0-6-8
Max Horz 23=186(LC 11)
Max Uplift 23=-824(LC 22), 21=-72(LC 12)
Max Grav 21=3976(LC 1), 12=1940(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-60/1099, 3-4=-133/1593, 4-5=-465/184, 5-6=-1740/364, 6-7=-1740/364, 7-8=-2321/443, 8-9=-1692/378, 9-10=-2250/409, 10-11=-2503/347, 11-12=-1879/271
BOT CHORD 21-22=-875/140, 5-19=-1940/362, 18-19=0/500, 17-18=-172/2338, 14-15=-142/1985, 13-14=-202/1894, 12-13=-74/303
WEBS 2-23=0/889, 2-22=-885/102, 3-22=-147/447, 3-21=-645/292, 4-21=-3196/424, 19-21=-849/273, 4-19=-283/2293, 5-18=-268/1876, 6-18=-649/200, 7-18=-886/125, 15-17=-123/1973, 8-17=-53/690, 8-15=-414/91, 8-14=-735/88, 9-14=-112/849, 10-14=-329/139, 11-13=-129/1608

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) 21 except (jt=lb) 23=824.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A3	HIP	1	1	T15058571
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:37 2018 Page 1
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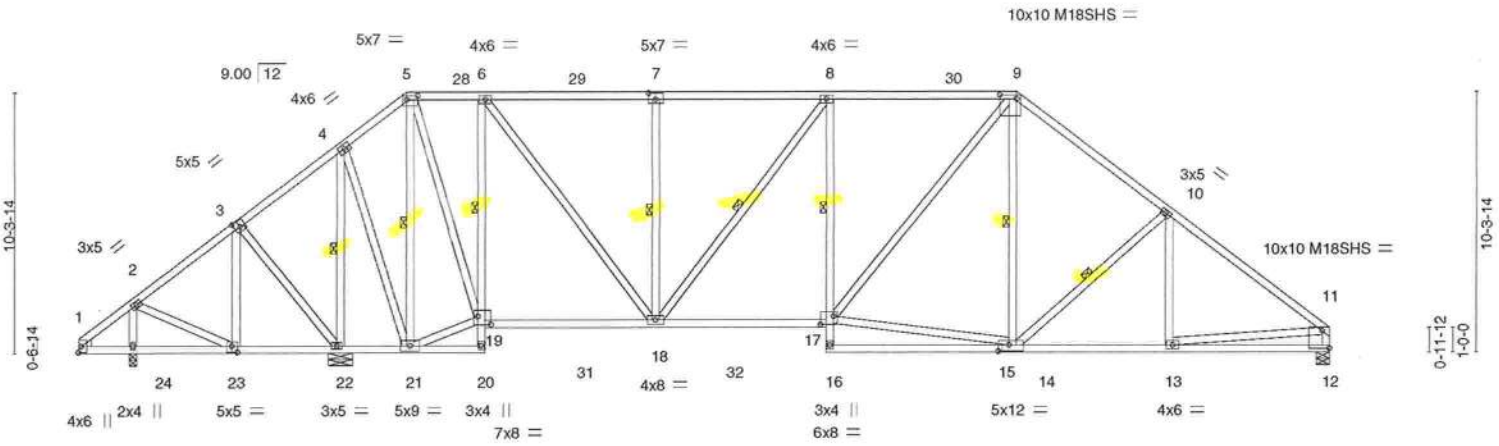
2-1-12	6-3-1	10-4-7	13-0-0	16-1-8	22-10-12	29-8-0	37-3-0	43-4-0	49-8-8
2-1-12	4-1-5	4-1-5	2-7-9	3-1-8	6-9-4	6-9-4	7-7-0	6-1-0	6-4-8

Scale = 1:91.5



2-1-12	6-3-1	10-4-7	13-0-0	16-1-8	22-10-12	29-8-0	37-3-0	43-4-0	49-8-8
2-0-0	4-1-5	4-1-5	2-7-9	3-1-8	6-9-4	6-9-4	7-7-0	6-1-0	6-4-8

0-1-12

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-2-8,0-3-0], [5:0-5-4,0-2-0], [7:0-3-8,0-3-0], [9:0-8-0,0-2-0], [11:Edge,0-8-4], [12:0-1-12,0-0-0], [14:0-1-12,0-0-0], [15:0-5-0,0-3-0], [15:0-0-0,0-1-12], [17:0-6-4,0-4-0], [19:0-6-4,0-4-0], [23:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.72	Vert(LL)	-0.18	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.69	Vert(CT)	-0.35	17-18	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.12	12	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS							Weight: 384 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-19, 8-17
WEBS 1 Row at midpt 4-22, 5-21, 7-18, 8-18, 9-14, 10-14

REACTIONS. (lb/size) 24=247/0-3-8, 22=3148/0-11-5, 12=2057/0-6-8
Max Horz 24=217(LC 11)
Max Uplift 24=-136(LC 22), 22=-98(LC 12)
Max Grav 24=316(LC 21), 22=3148(LC 1), 12=2057(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=0/408, 3-4=-41/678, 4-5=-371/192, 5-6=-817/237, 6-7=-1793/380, 7-8=-1793/380, 8-9=-2208/444, 9-10=-2332/424, 10-11=-2694/363, 11-12=-1986/284
BOT CHORD 22-23=-343/90, 21-22=-514/244, 6-19=-1760/339, 18-19=0/878, 17-18=-116/2211, 8-17=-281/123, 13-14=-201/2026, 12-13=-96/400
WEBS 2-23=-286/52, 3-22=-404/247, 4-22=-2715/379, 4-21=-180/1990, 5-21=-1917/147, 19-21=-85/258, 5-19=-220/2033, 6-18=-233/1583, 7-18=-626/193, 8-18=-690/106, 14-17=-80/1662, 9-17=-73/877, 9-14=-25/291, 10-14=-425/177, 11-13=-105/1638

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) 22 except (jt=lb) 24=136.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A4	HIP	1	1	T15058572
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:39 2018 Page 1
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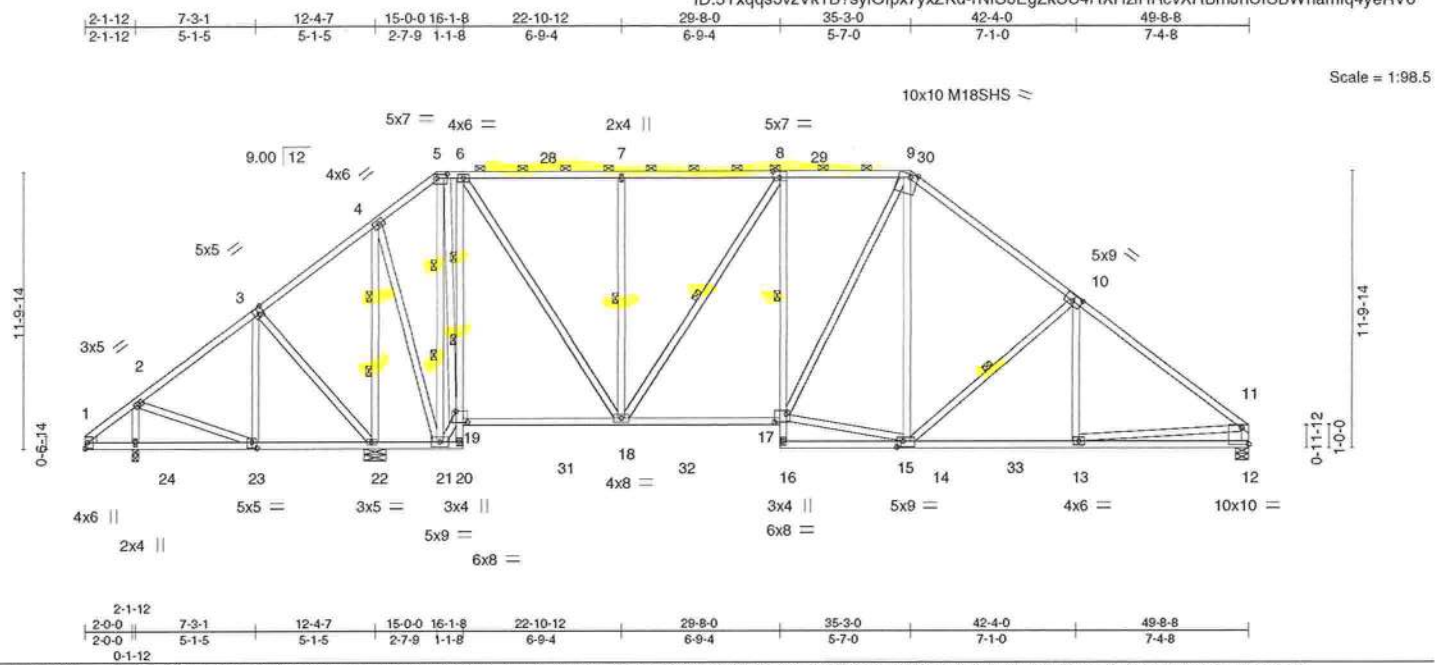

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-2-8,0-3-4], [5:0-5-4,0-2-0], [8:0-3-8,0-3-4], [9:0-3-14,Edge], [10:0-4-8,0-3-0], [12:Edge,0-8-4], [12:0-1-12,0-0-0], [14:0-1-12,0-0-0], [15:0-0-0,0-1-12], [15:0-3-4,0-3-0], [17:0-6-4,0-4-0], [19:0-5-12,0-5-12], [23:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.75	Vert(LL)	-0.17	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.76	Vert(CT)	-0.32	17-18	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.84	Horz(CT)	0.14	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 411 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-2-0 max.): 5-9.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 8-17
2 Rows at 1/3 pts 6-19
WEBS 1 Row at midpt 7-18, 8-18, 10-14
2 Rows at 1/3 pts 4-22, 5-21

REACTIONS. (lb/size) 24=442/0-3-8, 22=3068/0-11-5, 12=1941/0-6-8
Max Horz 24=249(LC 11)
Max Uplift 24=-37(LC 12)
Max Grav 24=511(LC 21), 22=3068(LC 1), 12=1941(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-124/300, 3-4=0/625, 4-5=-320/256, 5-6=-319/231, 6-7=-1258/355, 7-8=-1258/355, 8-9=-1659/405, 9-10=-2034/416, 10-11=-2539/350, 11-12=-1866/277
BOT CHORD 23-24=-261/228, 21-22=-468/224, 6-19=-1782/348, 18-19=-17/385, 17-18=-24/1657, 13-14=-174/1884, 12-13=-126/484
WEBS 2-24=-429/134, 3-22=-507/166, 4-22=-2650/335, 4-21=-128/1955, 5-21=-1706/0, 19-21=-228/338, 5-19=-90/1697, 6-18=-227/1695, 7-18=-655/198, 8-18=-753/101, 14-17=0/1447, 9-17=-17/577, 9-14=-71/340, 10-14=-637/216, 11-13=-47/1408

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; 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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) 24.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A5	PIGGYBACK BASE	1	1	T15058573
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:40 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-JaDqMZhBVmdx3gs9l?yrSk_K7j9z1utg?EVrNWyeRV5

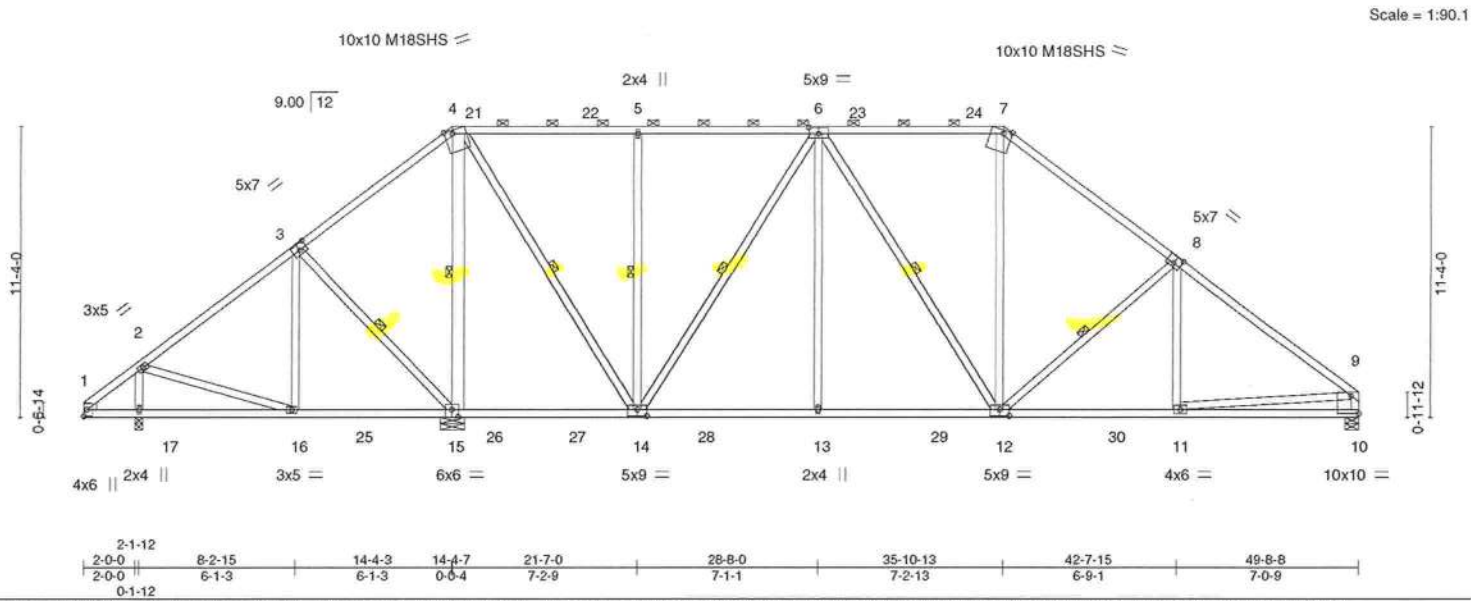

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-3-8,0-3-0], [4:0-3-14,Edge], [6:0-4-8,0-3-0], [7:0-3-14,Edge], [8:0-3-8,0-3-4], [10:0-1-12,0-0-0], [10:Edge,0-8-4], [12:0-4-8,0-3-0], [14:0-4-8,0-3-0], [15:0-3-0,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.84	Vert(LL)	-0.13	12-13	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.60	Vert(CT)	-0.24	12-13	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 355 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
4-15: 2x6 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-8-15 max.): 4-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-15, 4-15, 4-14, 5-14, 6-14, 6-12, 8-12

REACTIONS. (lb/size) 15=3173/0-11-5, 17=493/0-3-8, 10=1786/0-6-8
Max Horz 17=239(LC 11)
Max Uplift 15=-126(LC 12), 17=-127(LC 12)
Max Grav 15=3174(LC 17), 17=575(LC 21), 10=1802(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-179/322, 3-4=0/721, 4-5=-723/264, 5-6=-723/264, 6-7=-1392/358, 7-8=-1871/366, 8-9=-2334/306, 9-10=-1730/247
BOT CHORD 16-17=-252/226, 15-16=-270/92, 14-15=-540/288, 13-14=0/1310, 12-13=0/1310, 11-12=-143/1725, 10-11=-116/451
WEBS 2-17=-490/204, 3-16=-166/256, 3-15=-571/371, 4-15=-2615/385, 4-14=-284/2103, 5-14=-679/201, 6-14=-1147/161, 6-13=0/405, 7-12=-37/506, 8-12=-582/205, 9-11=-27/1287

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=50ft; eave=6ft; 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) except (jt=lb) 15=126, 17=127.
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.

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MiTek USA, Inc. FL Cert 6634
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Date:

September 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE PAGE Mll-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.

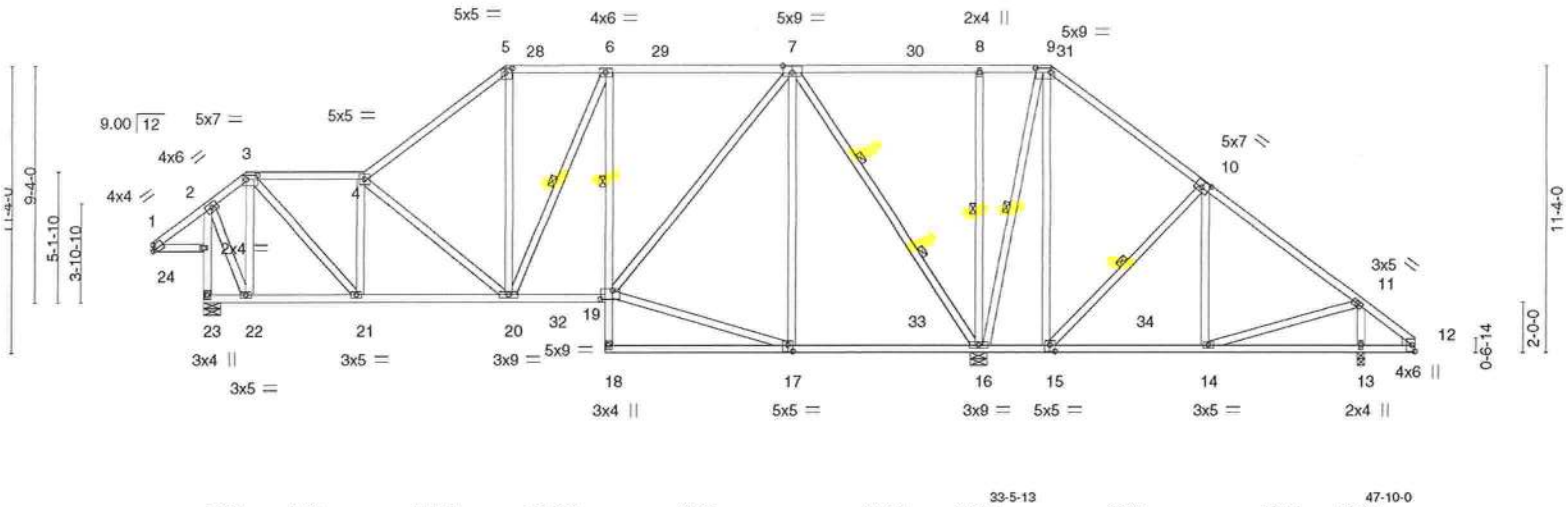
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A6	PIGGYBACK BASE	1	1	T15058574
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:42 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-FyLamFjR1Ntfl_0YQP?JX93fsWs0VnpyTY_yRPyeRV3

1-8-0	6-4-0	11-11-3	15-10-8	23-3-5	30-8-2	33-5-13	39-7-1	45-8-4	47-10-0
1-8-0	4-8-0	5-7-3	3-11-5	7-4-13	7-4-13	2-9-11	6-1-3	6-1-3	2-1-12

Scale = 1:91.1



1-8-0	6-4-0	11-11-3	15-10-8	23-3-5	30-8-0	30-8-2	33-5-13	39-7-1	45-8-4	45-10-0	47-10-0
1-8-0	4-8-0	5-7-3	3-11-5	7-4-13	7-4-11	0-0-2	2-9-11	6-1-3	6-1-3	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [3:0-5-4,0-2-0], [5:0-3-0,0-2-0], [7:0-4-8,0-3-4], [9:0-7-0,0-2-0], [10:0-3-8,0-3-0], [12:0-0-8,0-0-11], [12:0-1-0,0-4-7], [15:0-2-8,0-3-0], [17:0-2-8,0-3-0], [19:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.95	Vert(LL)	-0.13	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.50	Vert(CT)	-0.19	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.04	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 390 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
7-16: 2x4 SP No.1
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. Except:
4-6-0 oc bracing: 23-24
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 6-19
WEBS 1 Row at midpt 6-20, 8-16, 9-16, 10-15
2 Rows at 1/3 pts 7-16

REACTIONS. (lb/size) 23=1619/0-8-0, 16=3292/0-8-0, 13=535/0-3-8
Max Horz 23=-224(LC 10)
Max Uplift 23=-22(LC 12), 16=-141(LC 12), 13=-121(LC 12)
Max Grav 23=1635(LC 21), 16=3292(LC 1), 13=630(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-593/158, 3-4=-1359/247, 4-5=-1420/279, 5-6=-1019/283, 6-7=-1014/282, 7-8=0/703, 8-9=0/703, 9-10=0/692, 10-11=-251/361, 23-24=-1631/252, 2-24=-1631/252
BOT CHORD 21-22=-5/489, 20-21=-12/1389, 19-20=0/1016, 6-19=-557/160, 16-17=0/384, 15-16=-469/209
WEBS 3-22=-943/123, 3-21=-180/1411, 4-21=-927/199, 4-20=-490/161, 5-20=-35/370, 17-19=0/400, 7-19=-74/1022, 7-17=0/261, 7-16=-1868/265, 8-16=-545/148, 9-16=-1127/393, 9-15=-380/493, 10-15=-604/353, 10-14=-133/267, 11-13=-554/267, 2-22=-97/1110

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) -2-0-15 to 47-10-0 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 23 except (jt=lb) 16=141, 13=121.

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Date:

September 12,2018

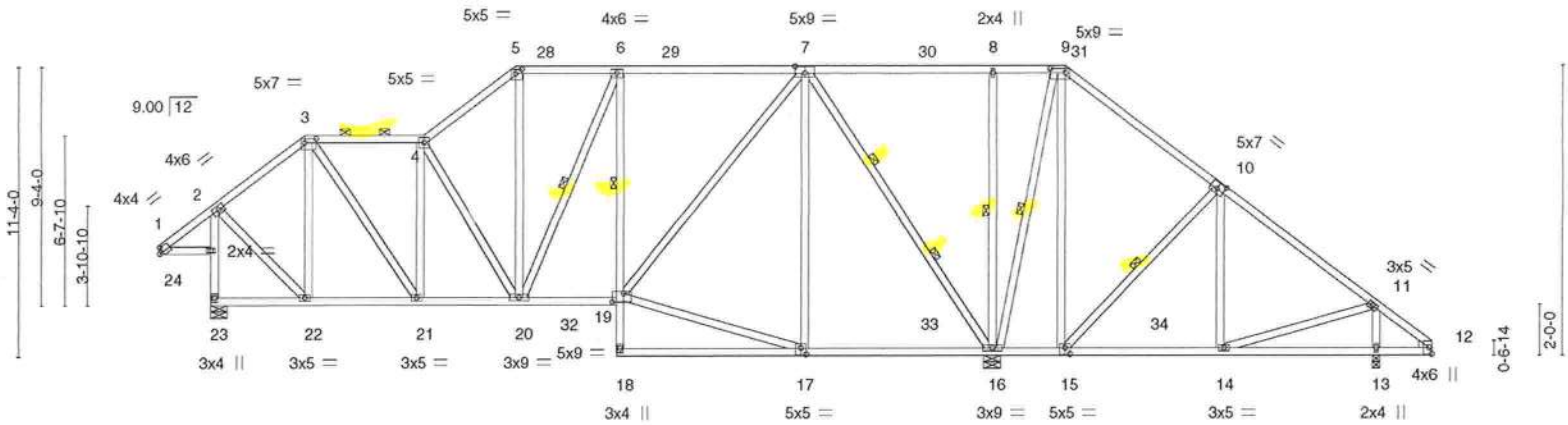
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A6A	PIGGYBACK BASE	1	1	T15058575
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:15:16 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-Eluh2Wr7YBRO73kUgq2?qVEUrB9ZBbUhq3N?VnyePHv

3-8-0	8-4-0	11-11-3	15-10-8	23-3-4	30-8-1	33-5-13	39-7-1	45-8-4	47-10-0
3-8-0	4-8-0	3-7-3	3-11-5	7-4-12	7-4-12	2-9-13	6-1-3	6-1-3	2-1-12

Scale = 1:90.3



3-8-0	8-4-0	11-11-3	15-10-8	23-3-4	30-8-0	30-8-1	33-5-13	39-7-1	45-8-4	45-10-0	47-10-0
3-8-0	4-8-0	3-7-3	3-11-5	7-4-12	7-4-12	0-0-12	9-13	6-1-3	6-1-3	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [3:0-5-4,0-2-0], [5:0-3-0,0-2-0], [7:0-4-8,0-3-4], [9:0-7-0,0-2-0], [10:0-3-8,0-3-0], [12:0-0-8,0-0-11], [12:0-1-0,0-4-7], [15:0-2-8,0-3-0], [17:0-2-8,0-3-0], [19:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.96	Vert(LL)	-0.13	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.50	Vert(CT)	-0.19	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.04	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 397 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
7-16: 2x4 SP No.1
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 3-4, 5-9, 2-24. Except: 4-6-0 oc bracing: 23-24
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-19
WEBS 1 Row at midpt 6-20, 8-16, 9-16, 10-15
2 Rows at 1/3 pts 7-16

REACTIONS. (lb/size) 23=1637/0-8-0, 16=3237/0-8-0, 13=572/0-3-8
Max Horz 23=-224(LC 10)
Max Uplift 23=-21(LC 12), 16=-144(LC 12), 13=-119(LC 12)
Max Grav 23=1652(LC 21), 16=3237(LC 1), 13=655(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-979/203, 3-4=-1259/264, 4-5=-1386/308, 5-28=-1034/285, 6-28=-1034/285, 6-29=-1047/286, 7-29=-1047/286, 7-30=0/653, 8-30=0/653, 8-31=0/653, 9-31=0/653, 9-10=0/642, 10-11=-279/318, 23-24=-1626/257, 2-24=-1626/257
BOT CHORD 21-22=0/744, 20-21=0/1276, 20-32=0/1042, 19-32=0/1045, 6-19=-534/165, 17-33=0/418, 16-33=0/418, 15-16=-428/205
WEBS 3-22=-637/103, 3-21=-126/985, 4-21=-728/152, 4-20=-492/162, 5-20=-90/482, 17-19=0/434, 7-19=-76/1016, 7-17=0/251, 7-16=-1845/265, 8-16=-544/144, 9-16=-1097/396, 9-15=-379/484, 10-15=-592/350, 10-14=-131/259, 11-13=-575/267, 2-22=-73/1035

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 23, 144 lb uplift at joint 16 and 119 lb uplift at joint 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

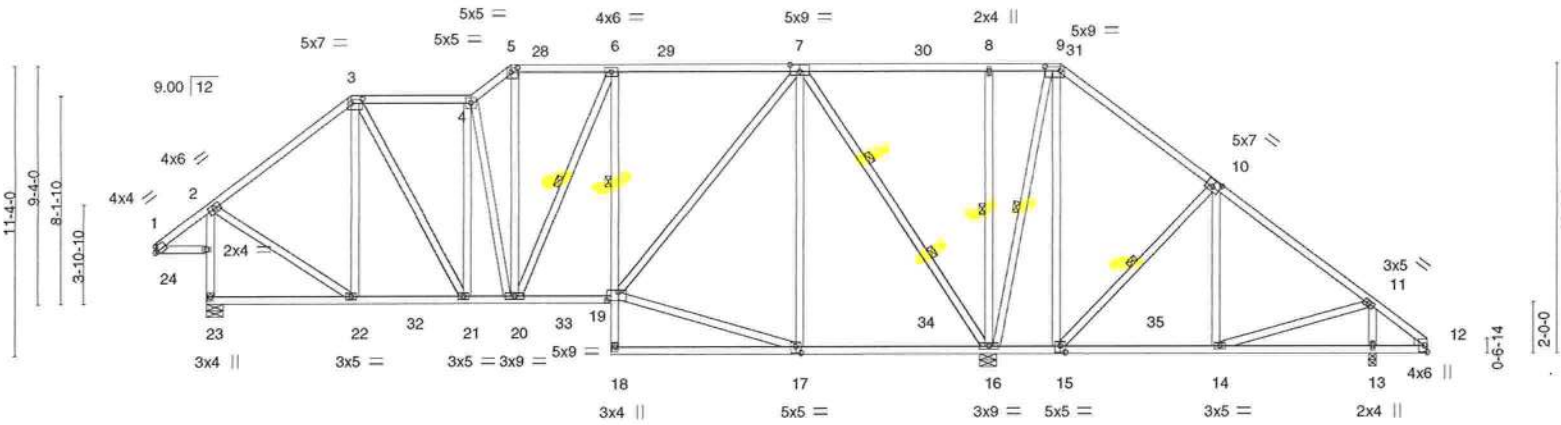
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A6B	PIGGYBACK BASE	1	1	T15058576
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:18:09 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-g1r4MfxeoLErNfSkJffaL_u3GwCzDrQ9cTnf5FyePFC

5-8-0	10-4-0	11-11-3	15-10-8	23-3-6	30-8-5	33-5-13	39-7-1	45-8-4	47-10-0
5-8-0	4-8-0	1-7-3	3-11-5	7-4-14	7-4-14	2-9-8	6-1-3	6-1-3	2-1-12

Scale = 1:90.3



5-8-0	10-4-0	11-11-3	15-10-8	23-3-6	30-8-0	30-8-5	33-5-13	39-7-1	45-8-4	45-10-0	47-10-0
5-8-0	4-8-0	1-7-3	3-11-5	7-4-14	7-4-10	0-0-5	2-9-8	6-1-3	6-1-3	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [3:0-5-4,0-2-0], [5:0-3-0,0-2-0], [7:0-4-8,0-3-4], [9:0-7-0,0-2-0], [10:0-3-8,0-3-0], [12:0-0-8,0-0-11], [12:0-1-0,0-4-7], [15:0-2-8,0-3-0], [17:0-2-8,0-3-0], [19:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.96	Vert(LL)	-0.13	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.50	Vert(CT)	-0.19	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.04	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 407 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
7-16: 2x4 SP No.1
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-2-0 max.): 3-4, 5-9, 2-24. Except: 4-7-0 oc bracing: 23-24
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 6-19
WEBS 1 Row at midpt 6-20, 8-16, 9-16, 10-15
2 Rows at 1/3 pts 7-16

REACTIONS. (lb/size) 23=1652/0-8-0, 16=3196/0-8-0, 13=598/0-3-8
Max Horz 23=-224(LC 10)
Max Uplift 23=-21(LC 12), 16=-144(LC 12), 13=-118(LC 12)
Max Grav 23=1667(LC 21), 16=3196(LC 1), 13=670(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1195/233, 3-4=-1148/279, 4-5=-1351/336, 5-28=-1051/288, 6-28=-1051/288, 6-29=-1074/291, 7-29=-1074/291, 7-30=0/617, 8-30=0/617, 8-31=0/617, 9-31=0/617, 9-10=0/614, 10-11=-297/286, 23-24=-1614/266, 2-24=-1614/266
BOT CHORD 22-32=0/893, 21-32=0/893, 20-21=0/1189, 20-33=0/1082, 19-33=0/1087, 6-19=-516/166, 17-34=0/450, 16-34=0/450, 15-16=-398/203
WEBS 3-22=-413/91, 3-21=-82/657, 4-21=-528/100, 4-20=-541/177, 5-20=-138/587, 17-19=0/467, 7-19=-77/1010, 7-16=-1830/265, 8-16=-545/144, 9-16=-1068/393, 9-15=-378/480, 10-15=-586/350, 10-14=-131/253, 11-13=-589/269, 2-22=-37/972

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 23, 144 lb uplift at joint 16 and 118 lb uplift at joint 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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

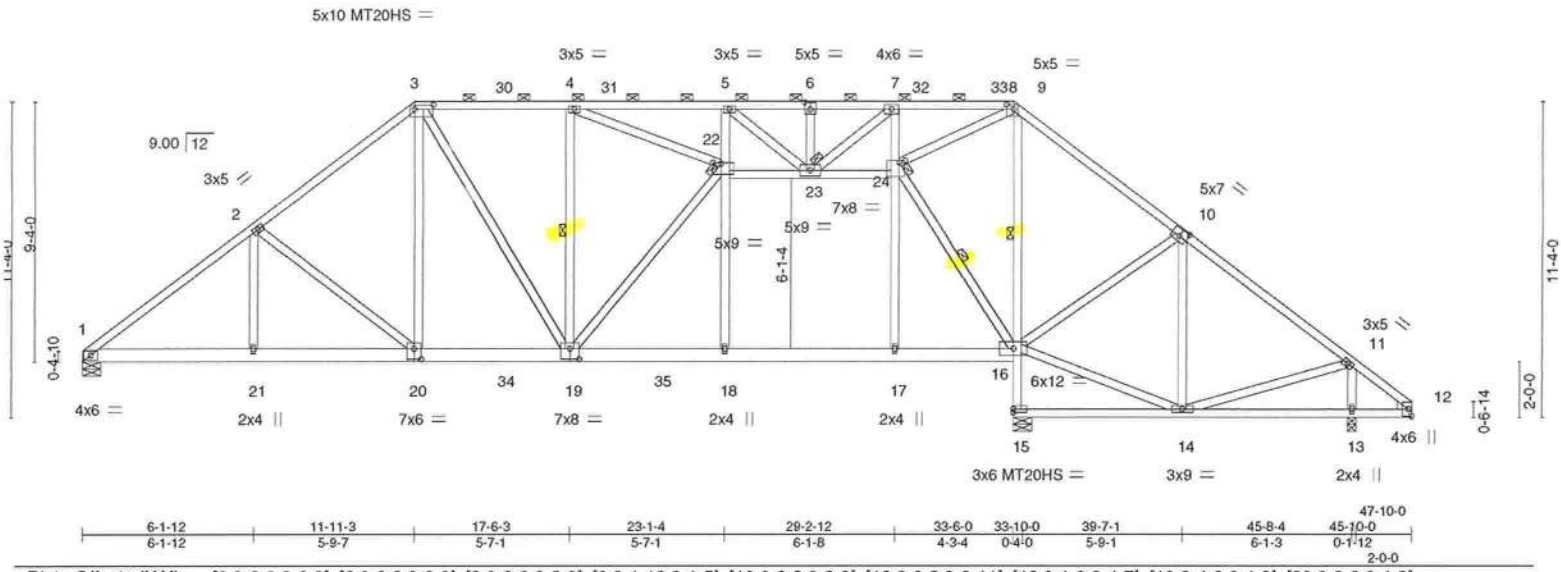
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A7	ATTIC	1	1	T15058577

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:47 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-cw8TqzmarvVyPluWDzaUEDncpXZ3A4iicqij6cyeRV_

6-1-12	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	39-7-1	45-8-4	47-10-0
6-1-12	5-9-7	5-7-1	5-7-1	6-1-8	4-3-1	6-1-3	6-1-3	2-1-12

Scale = 1:82.8



6-1-12	11-11-3	17-6-3	23-1-4	29-2-12	33-6-0	33-10-0	39-7-1	45-8-4	45-10-0	47-10-0
6-1-12	5-9-7	5-7-1	5-7-1	6-1-8	4-3-4	0-4-0	5-9-1	6-1-3	0-1-12	2-0-0

Plate Offsets (X,Y)-- [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-3-0,0-2-0], [9:0-1-12,0-1-5], [10:0-3-8,0-3-0], [12:0-0-8,0-0-11], [12:0-1-0,0-4-7], [19:0-4-0,0-4-8], [20:0-3-0,0-4-8], [22:0-3-8,0-0-8], [24:0-2-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.13	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.57	Vert(CT)	-0.24	18-19	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.05	17-18	1514	360	Weight: 382 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
9-15,12-15: 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-5-1 max.): 3-8.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 9-16
WEBS 1 Row at midpt 4-19, 16-24
JOINTS 1 Brace at Jt(s): 22, 23, 24

REACTIONS. (lb/size) 1=1798/0-8-0, 15=3112/0-8-0, 13=611/0-3-8
Max Horz 1=213(LC 11)
Max Uplift 13=-99(LC 12)
Max Grav 1=1818(LC 22), 15=3133(LC 2), 13=663(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2712/268, 2-3=-2150/287, 3-4=-1763/271, 4-5=-2517/237, 5-6=-958/132, 6-7=-958/132, 7-8=-46/1025, 8-9=0/415, 9-10=-2/640, 10-11=-285/215
BOT CHORD 1-21=-47/2181, 20-21=-47/2181, 19-20=0/1689, 18-19=0/1263, 17-18=0/1259, 16-17=0/1256, 15-16=-3079/379, 9-16=-443/55
WEBS 2-21=0/283, 2-20=-631/197, 3-20=-46/559, 3-19=0/447, 4-19=-783/146, 4-22=0/809, 18-22=0/508, 5-22=0/946, 22-23=-63/1346, 23-24=-2245/227, 17-24=0/565, 7-24=-1934/246, 10-16=-559/370, 11-13=-584/233, 5-23=-2044/137, 7-23=-230/2543, 19-22=-146/949, 16-24=-2973/160, 8-24=-684/152

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(2) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 22-23, 23-24; Wall dead load (5.0psf) on member(s).18-22, 17-24
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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Date: September 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE 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.

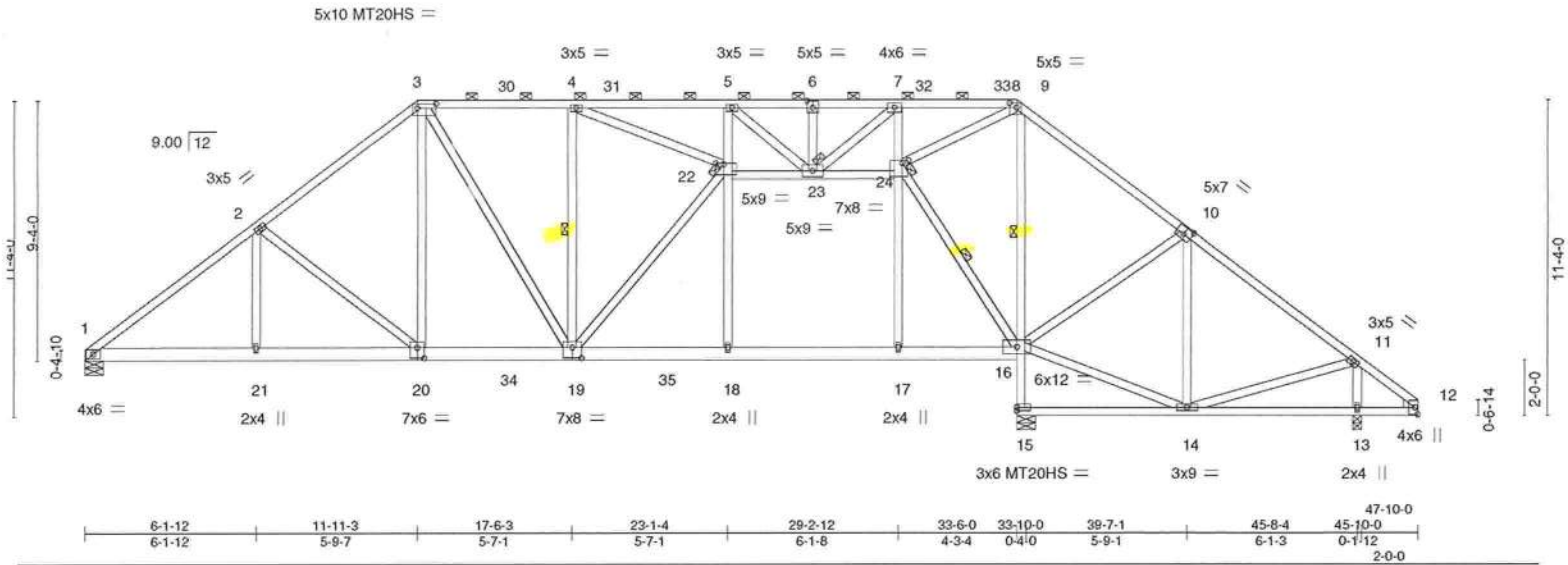
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A7A	ATTIC	2	1	T15058578
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:49 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-YJGDEeoqNXlfe32uKOdyJesyLLEfe_R_48BqAVyeRUy

6-1-12	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	39-7-1	45-8-4	47-10-0
6-1-12	5-9-7	5-7-1	5-7-1	6-1-8	4-3-1	6-1-3	6-1-3	2-1-12

Scale = 1:82.8



6-1-12	11-11-3	17-6-3	23-1-4	29-2-12	33-6-0	33-10-0	39-7-1	45-8-4	45-10-0	47-10-0
6-1-12	5-9-7	5-7-1	5-7-1	6-1-8	4-3-4	0-4-0	5-9-1	6-1-3	0-1-12	2-0-0

Plate Offsets (X,Y)-- [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-3-0,0-2-0], [9:0-1-12,0-1-5], [10:0-3-8,0-3-0], [12:0-0-8,0-0-11], [12:0-1-0,0-4-7], [19:0-4-0,0-4-8], [20:0-3-0,0-4-8], [22:0-3-8,0-0-8], [24:0-2-8,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.12	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.56	Vert(CT)	-0.23	18-19	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.85	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.05	17-18	1552	360	Weight: 382 lb	FT = 0%

LUMBER-

TOP CHORD	2x4 SP No.2
BOT CHORD	2x6 SP No.2 *Except* 9-15,12-15: 2x4 SP No.2
WEBS	2x4 SP No.2
WEDGE	
Right: 2x4 SP No.2	

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except 2-0-0 oc purlins (3-5-8 max.): 3-8.
BOT CHORD	Rigid ceiling directly applied. Except: 1 Row at midpt 9-16
WEBS	1 Row at midpt 4-19, 16-24
JOINTS	1 Brace at Jt(s): 22, 23, 24

REACTIONS. (lb/size) 1=1793/0-8-0, 15=3127/0-8-0, 13=599/0-3-8
Max Horz 1=213(LC 11)
Max Grav 1=1814(LC 22), 15=3192(LC 19), 13=653(LC 23)

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

TOP CHORD	1-2=-2705/272, 2-3=-2140/291, 3-4=-1750/276, 4-5=-2464/238, 5-6=-947/138, 6-7=-947/138, 7-8=-33/986, 8-9=0/417, 9-10=0/660, 10-11=-273/182
BOT CHORD	1-21=-50/2173, 20-21=-50/2173, 19-20=0/1681, 18-19=0/1248, 17-18=0/1244, 16-17=0/1240, 15-16=-3139/256, 9-16=-472/48
WEBS	2-21=0/283, 2-20=-631/197, 3-20=-46/559, 3-19=0/441, 4-19=-777/144, 18-22=0/510, 5-22=0/947, 22-23=-56/1308, 23-24=-2190/221, 17-24=0/561, 7-24=-1933/244, 10-16=-594/224, 11-13=-573/178, 4-22=0/769, 19-22=-141/947, 5-23=-2016/133, 7-23=-224/2501, 16-24=-2961/156, 8-24=-628/149

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 22-23, 23-24; Wall dead load (5.0psf) on member(s).18-22, 17-24
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 17-18
9) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
10) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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MiTek USA, Inc. FL Cert 6634
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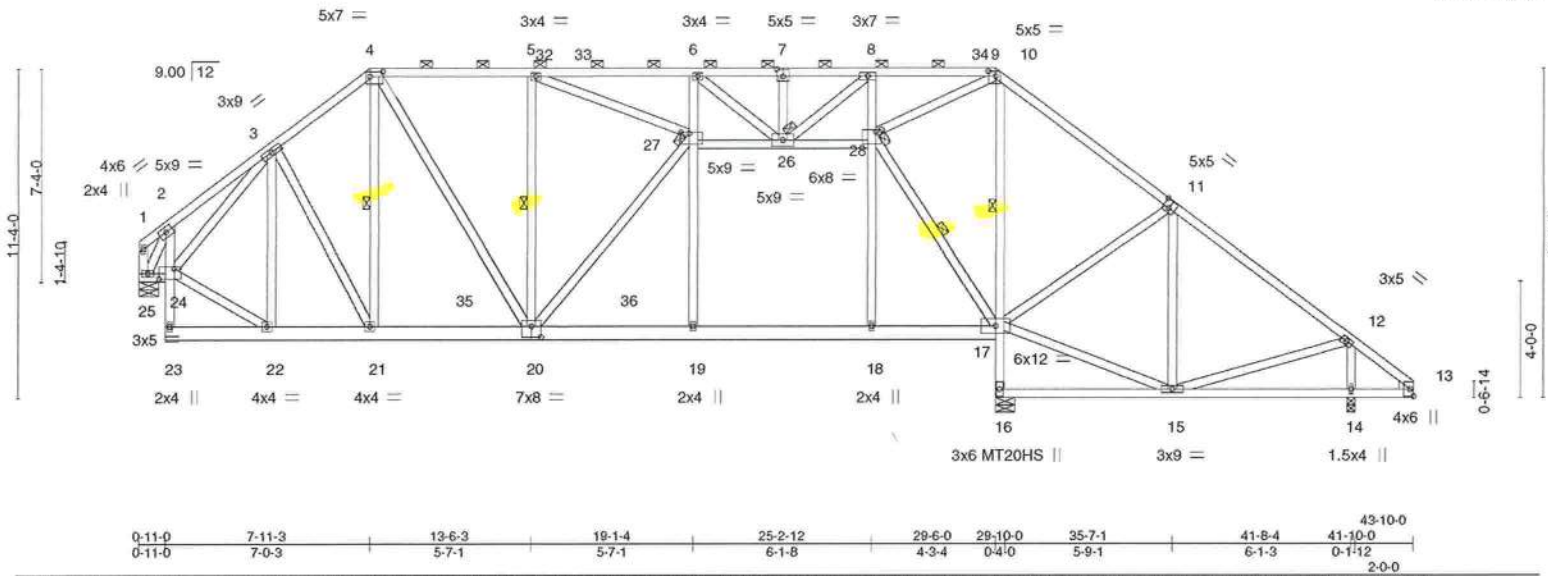
Date: September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A8	ATTIC	1	1	T15058579
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:51 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-UhN_fKq4v8?NtNCHSofQO3xlv9wL6wxHXSgwFOyeRUw

0-11-0 7-11-3 13-6-3 19-1-4 25-2-12 29-5-13 35-7-1 41-8-4 43-10-0
0-11-0 7-0-3 5-7-1 5-7-1 6-1-8 4-3-1 6-1-3 6-1-3 2-1-12

Scale = 1:79.3



0-11-0 7-11-3 13-6-3 19-1-4 25-2-12 29-6-0 29-10-0 35-7-1 41-8-4 41-10-0 43-10-0
0-11-0 7-0-3 5-7-1 5-7-1 6-1-8 4-3-4 0-4-0 5-9-1 6-1-3 0-1-12 2-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-2-8,0-3-0], [9:0-3-0,0-2-0], [10:0-1-12,0-1-5], [11:0-2-8,0-3-4], [13:0-1-0,0-4-7], [13:0-0-8,0-0-11], [20:0-4-0,0-4-8], [24:0-6-4,0-4-4], [27:0-3-8,0-0-8], [28:0-2-4,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.55	Vert(CT)	-0.17	18-19	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	18-19	1770	360	Weight: 389 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
20-23,17-20: 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-1 max.): 4-9.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 10-17
WEBS 1 Row at midpt 4-21, 5-20, 17-28
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 16=2600/0-8-0, 14=818/0-3-8, 25=1647/0-8-0
Max Horz 25=192(LC 11)
Max Uplift 14=-93(LC 12)
Max Grav 16=2630(LC 2), 14=822(LC 23), 25=1671(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-257/30, 2-3=-1232/199, 3-4=-1481/281, 4-5=-1477/261, 5-6=-2121/218, 6-7=-996/143, 7-8=-996/143, 8-9=-6/553, 10-11=-32/288, 11-12=-473/220
BOT CHORD 24-25=0/937, 2-24=0/743, 21-22=0/1091, 20-21=0/1200, 19-20=0/1279, 18-19=0/1276, 17-18=0/1274, 16-17=-2594/335, 10-17=-341/40
WEBS 22-24=0/1204, 3-24=-292/72, 4-20=-2/720, 5-20=-756/150, 19-27=0/523, 6-27=0/597, 26-27=-32/929, 26-28=-1783/197, 18-28=0/555, 8-28=-1563/221, 15-17=0/252, 11-17=-457/360, 12-15=-22/261, 12-14=-740/254, 2-25=-1579/117, 6-26=-1487/98, 8-26=-192/1975, 20-27=-114/492, 5-27=0/694, 17-28=-2469/127, 9-28=-487/139, 3-22=-580/0, 3-21=-24/328

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 26-27, 26-28; Wall dead load (5.0psf) on member(s).19-27, 18-28
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: September 12,2018

Continued on page 2

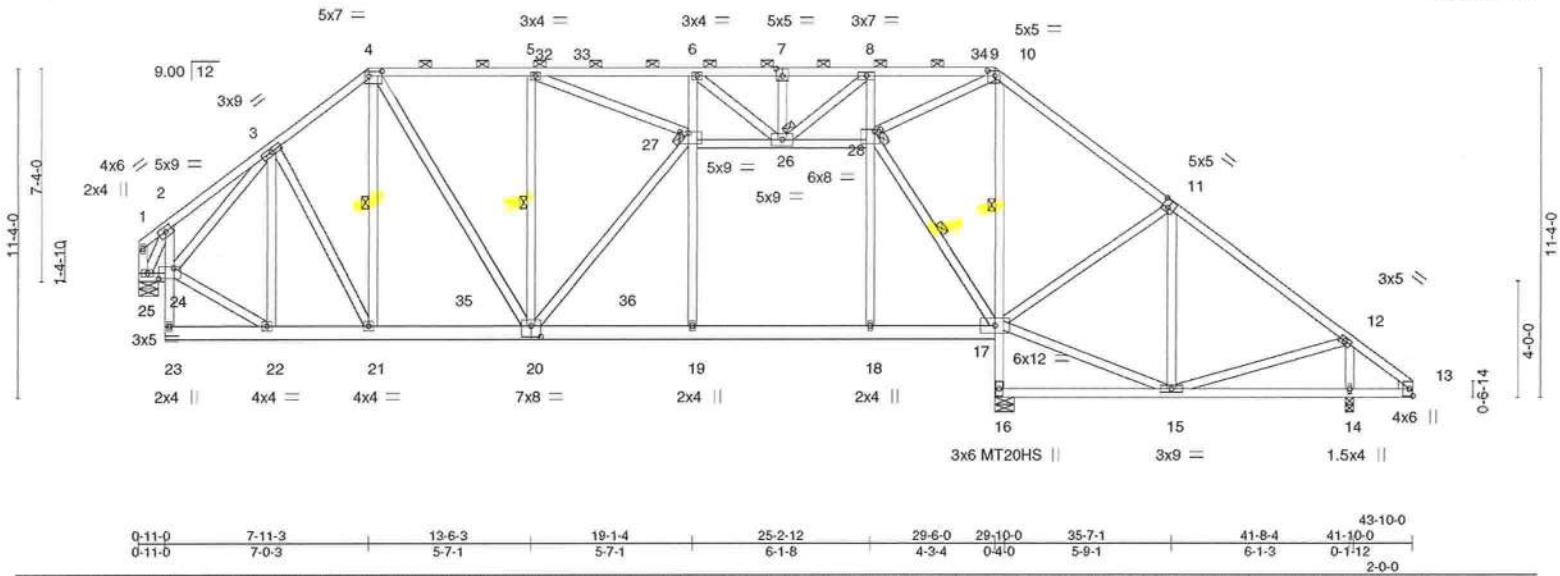
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A8	ATTIC	1	1	T15058579
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:51 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-UhN_fKq4v8?NtNCHSofQO3xlv9wL6wxHXSgwFOyeRUw

0-11-0	7-11-3	13-6-3	19-1-4	25-2-12	29-5-13	35-7-1	41-8-4	43-10-0
0-11-0	7-0-3	5-7-1	5-7-1	6-1-8	4-3-1	6-1-3	6-1-3	2-1-12

Scale = 1:79.3



0-11-0	7-11-3	13-6-3	19-1-4	25-2-12	29-6-0	29-10-0	35-7-1	41-8-4	43-10-0 / 41-10-0
0-11-0	7-0-3	5-7-1	5-7-1	6-1-8	4-3-4	0-4-0	5-9-1	6-1-3	0-1-12 / 2-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-2-8,0-3-0], [9:0-3-0,0-2-0], [10:0-1-12,0-1-5], [11:0-2-8,0-3-4], [13:0-1-0,0-4-7], [13:0-0-8,0-0-11], [20:0-4-0,0-4-8], [24:0-6-4,0-4-4], [27:0-3-8,0-0-8], [28:0-2-4,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.10	18-19	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.55	Vert(CT)	-0.17	18-19	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	18-19	1770	360	Weight: 389 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
20-23,17-20: 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-9-1 max.): 4-9.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 10-17
WEBS 1 Row at midpt 4-21, 5-20, 17-28
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 16=2600/0-8-0, 14=818/0-3-8, 25=1647/0-8-0
Max Horz 25=192(LC 11)
Max Uplift 14=-93(LC 12)
Max Grav 16=2630(LC 2), 14=822(LC 23), 25=1671(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-257/30, 2-3=-1232/199, 3-4=-1481/281, 4-5=-1477/261, 5-6=-2121/218, 6-7=-996/143, 7-8=-996/143, 8-9=-6/553, 10-11=-32/288, 11-12=-473/220
BOT CHORD 24-25=0/937, 2-24=0/743, 21-22=0/1091, 20-21=0/1200, 19-20=0/1279, 18-19=0/1276, 17-18=0/1274, 16-17=-2594/335, 10-17=-341/40
WEBS 22-24=0/1204, 3-24=-292/72, 4-20=-2/720, 5-20=-756/150, 19-27=0/523, 6-27=0/597, 26-27=-32/929, 26-28=-1783/197, 18-28=0/555, 8-28=-1563/221, 15-17=0/252, 11-17=-457/360, 12-15=-22/261, 12-14=-740/254, 2-25=-1579/117, 6-26=-1487/98, 8-26=-192/1975, 20-27=-114/492, 5-27=0/694, 17-28=-2469/127, 9-28=-487/139, 3-22=-580/0, 3-21=-24/328

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 26-27, 26-28; Wall dead load (5.0psf) on member(s).19-27, 18-28
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-19
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A9GIR	Attic Girder	1	1	T15058580
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:53 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-R4Vk40rLRlF57gLfZDhuUU1c8yblapYa?m91JGyeRUu

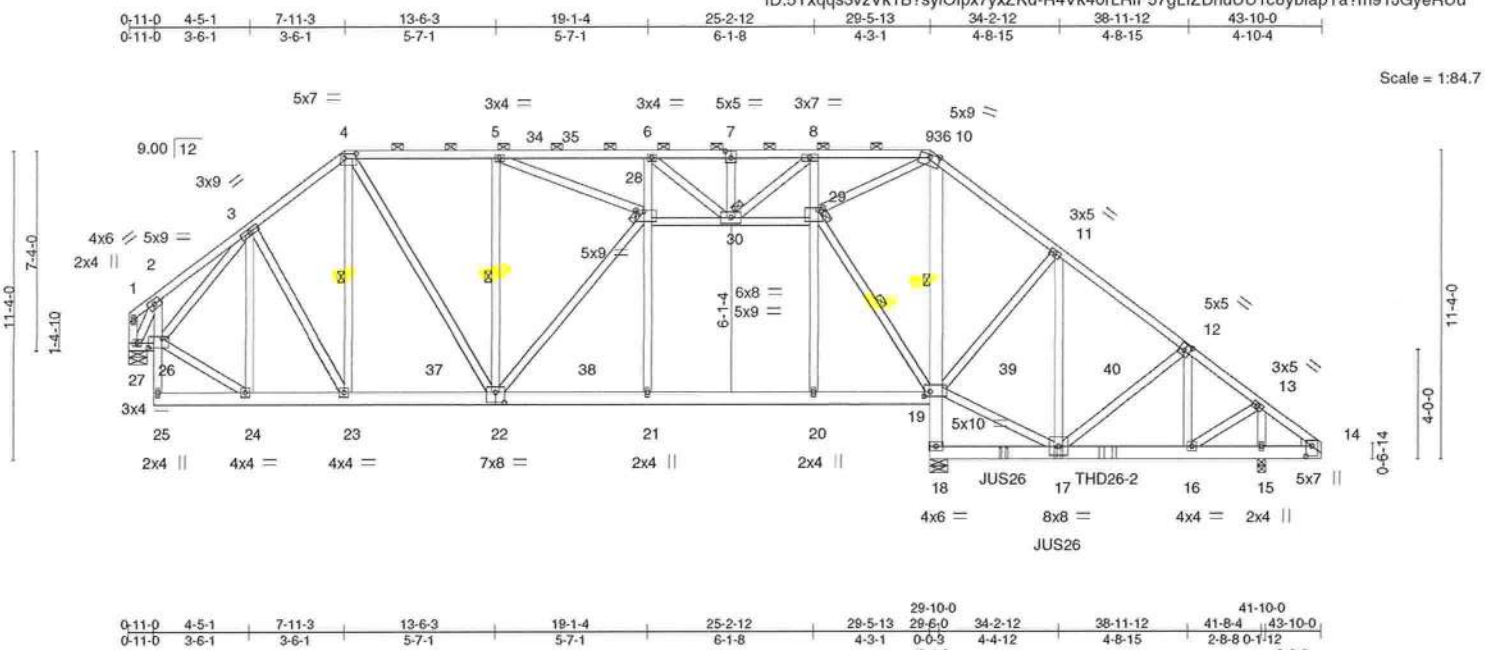


Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-2-8,0-3-0], [10:0-3-4,0-1-1], [12:0-2-8,0-3-0], [14:0-3-0,0-7-2], [14:0-4-8,0-2-8], [14:0-1-8,0-2-0], [19:0-2-8,0-2-0], [22:0-4-0,0-4-8], [26:0-6-0,0-4-4], [28:0-3-8,0-0-8], [29:0-2-4,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.63	Vert(LL)	-0.10	20-21	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.62	Vert(CT)	-0.17	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.04	20-21	1771	360	Weight: 416 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
26-27,2-25: 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins (3-9-5 max.): 4-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
4-1-5 oc bracing: 18-19
6-0-0 oc bracing: 15-16,14-15.
1 Row at midpt 10-19
WEBS 1 Row at midpt 4-23, 5-22, 19-29
JOINTS 1 Brace at Jt(s): 28, 29, 30

REACTIONS. (lb/size) 18=3263/0-8-0, 27=1639/0-8-0, 15=1147/0-3-8
Max Horz 27=192(LC 25)
Max Uplift 18=-331(LC 8), 15=-275(LC 8)
Max Grav 18=3374(LC 31), 27=1673(LC 14), 15=1153(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1227/34, 3-4=-1488/65, 4-5=-1478/40, 5-6=-2113/0, 6-7=-982/10, 7-8=-982/10, 8-9=0/590, 10-11=-1/317, 11-12=-690/329, 12-13=-719/273
BOT CHORD 26-27=0/974, 2-26=0/823, 23-24=0/1084, 22-23=0/1198, 21-22=0/1286, 20-21=0/1283, 19-20=0/1280, 18-19=-3209/235, 10-19=-320/0, 16-17=-152/535
WEBS 24-26=0/1224, 3-26=-280/81, 3-24=-606/0, 3-23=0/323, 4-22=0/719, 5-22=-763/37, 22-28=-43/500, 21-28=0/524, 6-28=0/609, 20-29=0/551, 8-29=-1591/6, 9-29=-471/52, 17-19=-147/466, 11-19=-995/454, 11-17=-440/811, 28-30=0/934, 29-30=-1800/0, 2-27=-1708/0, 13-15=-1036/268, 5-28=0/690, 6-30=-1505/0, 8-30=0/1986, 19-29=-2498/0, 13-16=-189/741

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 28-30, 29-30; Wall dead load (5.0psf) on member(s).21-28, 20-29
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=331, 15=275.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Use USP JUS26 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 32-2-12 from the left end to 34-2-12 to connect truss(es) to back face of bottom chord.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A9GIR	Attic Girder	1	1	T15058580
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:53 2018 Page 1
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0-11-0 4-5-1 7-11-3 13-6-3 19-1-4 25-2-12 29-5-13 34-2-12 38-11-12 43-10-0
0-11-0 3-6-1 3-6-1 5-7-1 5-7-1 6-1-8 4-3-1 4-8-15 4-8-15 4-10-4

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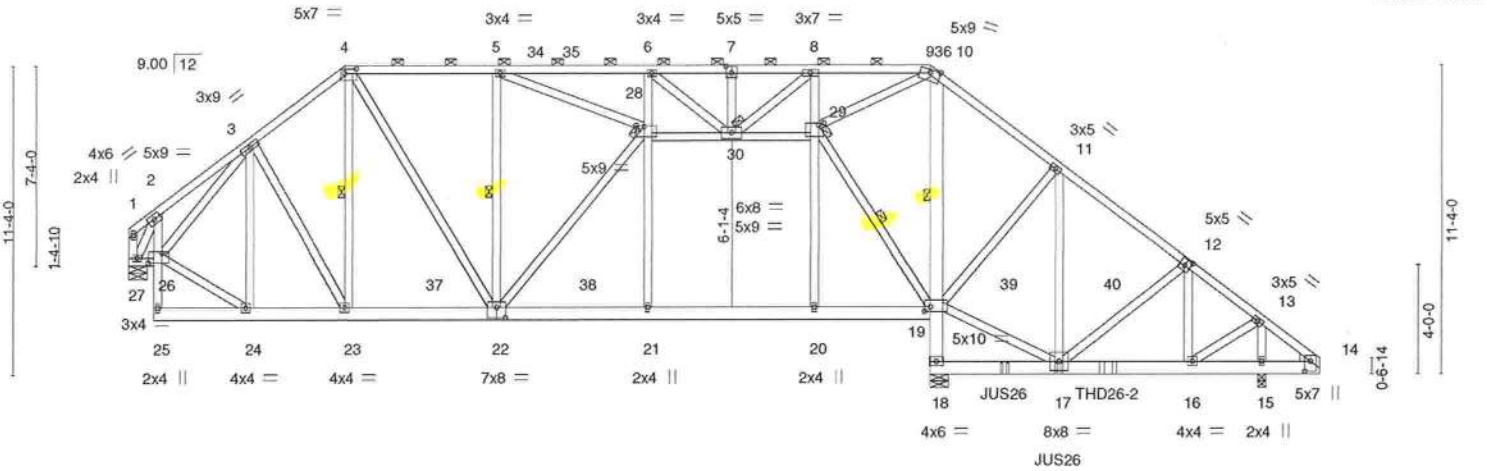

0-11-0 4-5-1 7-11-3 13-6-3 19-1-4 25-2-12 29-5-13 29-10-0 29-6-0 34-2-12 38-11-12 41-10-0 41-8-4 43-10-0
0-11-0 3-6-1 3-6-1 5-7-1 5-7-1 6-1-8 4-3-1 0-0-3 0-4-0 4-4-12 4-8-15 2-8-8 0-1-12 2-0-0

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-2-8,0-3-0], [10:0-3-4,0-1-1], [12:0-2-8,0-3-0], [14:0-3-0,0-7-2], [14:0-4-8,0-2-8], [14:0-1-8,0-2-0], [19:0-2-8,0-2-0], [22:0-4-0,0-4-8], [26:0-6-0,0-4-4], [28:0-3-8,0-0-8], [29:0-2-4,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.63	Vert(LL)	-0.10	20-21	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.62	Vert(CT)	-0.17	20-21	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.78	Horz(CT)	0.02	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.04	20-21	1771	360	Weight: 416 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
26-27,2-25: 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-9-8 oc purlins, except end verticals, and 2-0-0 oc purlins (3-9-5 max.): 4-9.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
4-1-5 oc bracing: 18-19
6-0-0 oc bracing: 15-16,14-15.
1 Row at midpt 10-19
WEBS 1 Row at midpt 4-23, 5-22, 19-29
JOINTS 1 Brace at Jt(s): 28, 29, 30

REACTIONS. (lb/size) 18=3263/0-8-0, 27=1639/0-8-0, 15=1147/0-3-8
Max Horz 27=192(LC 25)
Max Uplift 18=-331(LC 8), 15=-275(LC 8)
Max Grav 18=3374(LC 31), 27=1673(LC 14), 15=1153(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1227/34, 3-4=-1488/65, 4-5=-1478/40, 5-6=-2113/0, 6-7=-982/10, 7-8=-982/10, 8-9=0/590, 10-11=-1/317, 11-12=-690/329, 12-13=-719/273
BOT CHORD 26-27=0/974, 2-26=0/823, 23-24=0/1084, 22-23=0/1198, 21-22=0/1286, 20-21=0/1283, 19-20=0/1280, 18-19=-3209/235, 10-19=-320/0, 16-17=-152/535
WEBS 24-26=0/1224, 3-26=-280/81, 3-24=-606/0, 3-23=0/323, 4-22=0/719, 5-22=-763/37, 22-28=-43/500, 21-28=0/524, 6-28=0/609, 20-29=0/551, 8-29=-1591/6, 9-29=-471/52, 17-19=-147/466, 11-19=-995/454, 11-17=-440/811, 28-30=0/934, 29-30=-1800/0, 2-27=-1708/0, 13-15=-1036/268, 5-28=0/690, 6-30=-1505/0, 8-30=0/1986, 19-29=-2498/0, 13-16=-189/741

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 28-30, 29-30; Wall dead load (5.0psf) on member(s).21-28, 20-29
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=331, 15=275.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Use USP JUS26 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 32-2-12 from the left end to 34-2-12 to connect truss(es) to back face of bottom chord.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A10	ATTIC	3	1	T15058581
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:04 2018 Page 1
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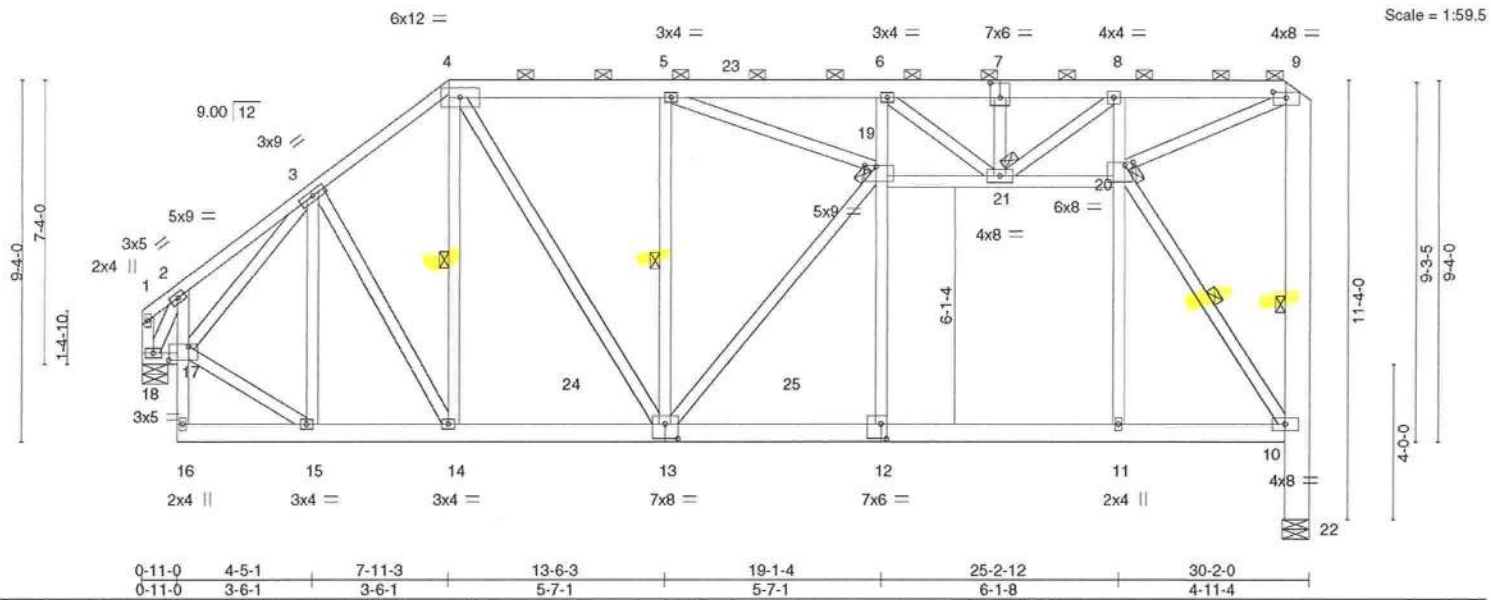

Plate Offsets (X,Y)-- [7:0-3-0,0-4-8], [9:0-4-0,0-1-13], [12:0-1-12,0-4-8], [13:0-4-0,0-4-8], [17:0-6-4,0-4-4], [19:0-3-8,0-0-8], [20:0-2-8,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.26	Vert(LL)	-0.09	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.55	Vert(CT)	-0.16	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.70	Horz(CT)	0.03	22	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	11-12	1778	360	Weight: 335 lb	FT = 0%

LUMBER-

TOP CHORD 2x6 SP No.2 *Except*
1-4: 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
17-18,2-16: 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
9-22: 2x8 SP 2400F 2.0E

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (4-9-2 max.): 4-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 9-22, 10-20
JOINTS 1 Brace at Jt(s): 19, 20, 9, 21

REACTIONS. (lb/size) 18=1702/0-8-0, 22=1826/0-8-0
Max Horz 18=298(LC 11)
Max Grav 18=1716(LC 18), 22=1972(LC 18)

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

TOP CHORD 1-2=-270/62, 2-3=-1243/242, 3-4=-1550/274, 4-5=-1582/264, 5-6=-2293/209, 6-7=-1205/145, 7-8=-1205/145, 8-9=-129/271, 1-18=-254/47, 10-22=-1972/111
BOT CHORD 17-18=-523/969, 2-17=-14/794, 14-15=-323/1099, 13-14=-309/1230, 12-13=-193/1380, 11-12=-192/1378, 10-11=-192/1375
WEBS 15-17=-358/1228, 3-17=-351/204, 3-15=-614/233, 3-14=0/354, 4-13=-15/802, 5-13=-799/179, 13-19=-171/450, 12-19=0/530, 6-19=0/568, 19-21=-140/991, 20-21=-1609/193, 11-20=0/542, 8-20=-1536/266, 2-18=-1610/180, 10-20=-2362/126, 9-20=-312/134, 6-21=-1435/152, 8-21=-189/1841, 5-19=-30/780

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=30ft; 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
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, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 19-21, 20-21; Wall dead load (5.0psf) on member(s).12-19, 11-20
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 11-12
8) Bearing at joint(s) 22 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
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.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE 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.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A11	ATTIC	1	1	T15058582
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:06 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-J19zDxHsVJKm_SGdJsLt4ZaWW0XW4b0fByG2AUyeRVd

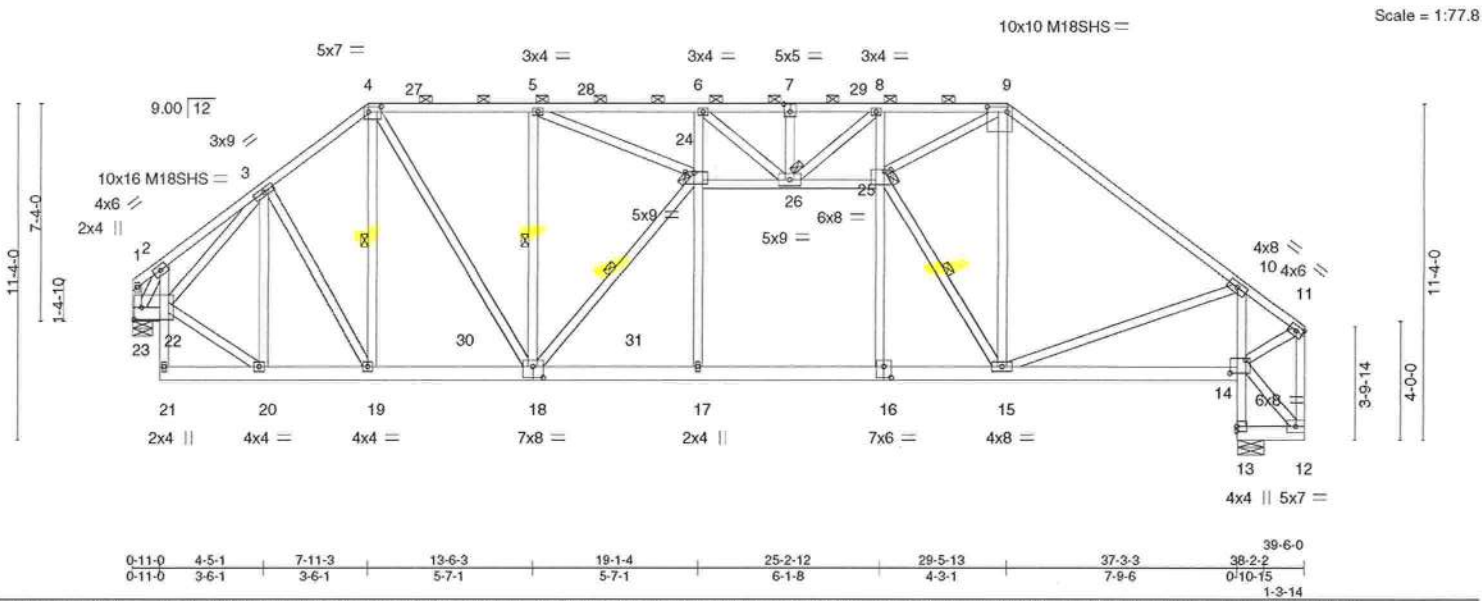

Plate Offsets (X,Y)-- [4:0-5-4,0-2-0], [7:0-2-8,0-3-0], [9:0-8-0,0-2-0], [14:0-6-4,0-5-4], [16:0-3-0,0-4-8], [18:0-4-0,0-4-8], [22:0-3-0,0-5-0], [24:0-3-8,0-0-8], [25:0-2-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.85	Vert(LL)	-0.14	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.70	Vert(CT)	-0.26	16-17	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.58	Horz(CT)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	16-17	1715	360	Weight: 370 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
2-21,10-13: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-5-7 max.): 4-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-19, 5-18, 18-24, 15-25
JOINTS 1 Brace at Jt(s): 24, 25, 26

REACTIONS. (lb/size) 13=2422/0-10-9, 23=2149/0-8-0
Max Horz 23=224(LC 11)
Max Grav 13=2443(LC 19), 23=2183(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-425/53, 2-3=-1689/251, 3-4=-2050/315, 4-5=-2247/313, 5-6=-2492/215, 6-7=-2110/202, 7-8=-2110/202, 8-9=-1311/108, 9-10=-2288/205, 1-23=-394/38
BOT CHORD 22-23=-101/1173, 2-22=0/963, 19-20=-84/1424, 18-19=-49/1642, 17-18=-62/2599, 16-17=-62/2597, 15-16=-59/2605, 13-14=-2414/206, 10-14=-2366/302
WEBS 20-22=-91/1607, 3-22=-282/88, 3-20=-876/95, 3-19=0/533, 4-19=-330/0, 4-18=-57/1309, 5-18=-622/130, 18-24=-553/0, 17-24=0/554, 25-26=-1308/200, 16-25=0/530, 8-25=-1067/165, 9-25=-471/167, 9-15=-10/1044, 10-15=0/1617, 2-23=-1962/167, 6-26=-574/17, 8-26=-141/1105, 15-25=-1787/91, 5-24=0/299

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 24-26, 25-26; Wall dead load (5.0psf) on member(s).17-24, 16-25
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-17
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.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

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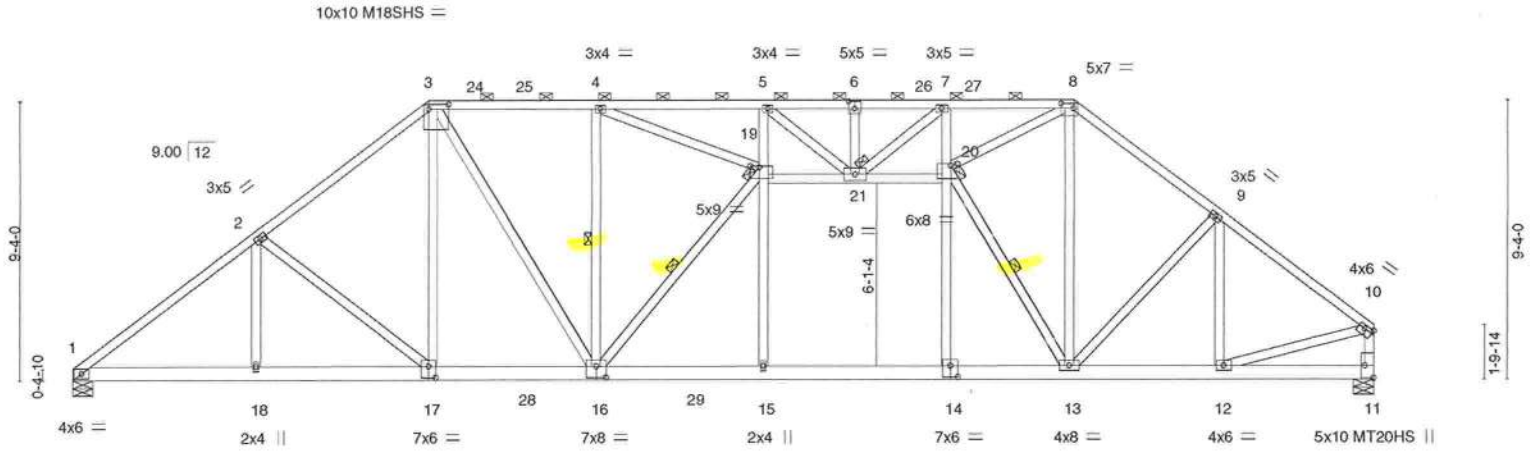
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A12	ATTIC	1	1	T15058583
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:07 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-nDjLQHHUGdSdccqqtZs6cn7miQrSp2ypQc0bixyeRVc

6-1-12	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	38-4-3	43-6-0
6-1-12	5-9-7	5-7-1	5-7-1	6-1-8	4-3-1	4-10-5	5-1-13

Scale = 1:77.1



6-1-12	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	38-4-3	43-6-0
6-1-12	5-9-7	5-7-1	5-7-1	6-1-8	4-3-1	4-10-5	5-1-13

Plate Offsets (X,Y)-- [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-5-4,0-2-0], [10:Edge,0-1-8], [11:Edge,0-3-8], [14:0-3-0,0-4-8], [16:0-4-0,0-4-8], [17:0-3-0,0-4-8], [19:0-3-8,0-0-8], [20:0-2-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.57	Vert(LL)	-0.22	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.78	Vert(CT)	-0.41	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.12	11	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	14-15	1686	360	Weight: 359 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-11-4 max.): 3-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-16, 16-19, 13-20
JOINTS 1 Brace at Jt(s): 19, 20, 21

REACTIONS. (lb/size) 1=2488/0-8-0, 11=2542/0-8-0
Max Horz 1=202(LC 11)
Max Grav 1=2492(LC 18), 11=2573(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3837/359, 2-3=-3323/379, 3-4=-3132/377, 4-5=-3305/285, 5-6=-2722/257, 6-7=-2722/257, 7-8=-1752/148, 8-9=-3009/309, 9-10=-2899/235, 10-11=-2500/200
BOT CHORD 1-18=-265/3099, 17-18=-265/3099, 16-17=-111/2612, 15-16=-98/3396, 14-15=-98/3393, 13-14=-95/3400, 12-13=-126/2201
WEBS 2-18=0/278, 2-17=-628/197, 3-17=-47/570, 3-16=-35/1221, 4-16=-580/123, 16-19=-487/0, 15-19=0/542, 14-20=0/557, 7-20=-1255/196, 8-20=-700/164, 8-13=-135/1692, 9-13=-95/250, 9-12=-549/97, 20-21=-1709/204, 10-12=-79/2148, 5-21=-793/37, 7-21=-140/1389, 13-20=-2095/101

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 19-21, 20-21; Wall dead load (5.0psf) on member(s).15-19, 14-20
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
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.
11) Attic room checked for L/360 deflection.

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date:

September 12,2018

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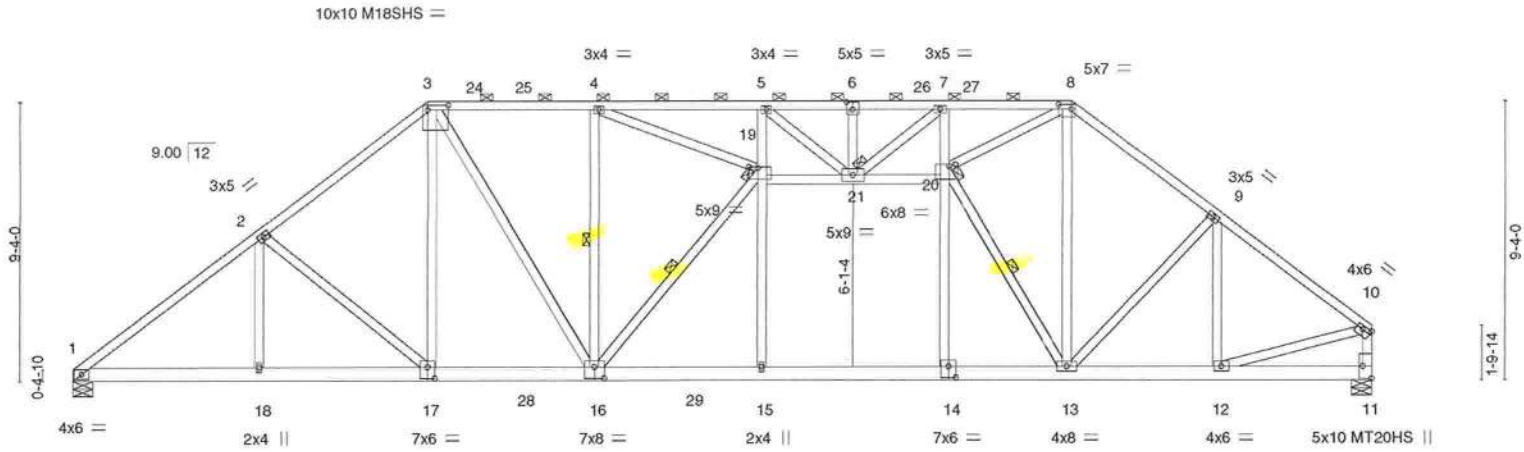
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A13	ATTIC	2	1	T15058584
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:09 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-jcr6rzJkoEjLrw_C__vaiCC6BDXwHyS6tvVinpyeRVa

6-3-1	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	38-4-3	43-6-0
6-3-1	5-8-1	5-7-1	5-7-1	6-1-8	4-3-1	4-10-5	5-1-13

Scale = 1:77.1



6-3-1	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	38-4-3	43-6-0
6-3-1	5-8-1	5-7-1	5-7-1	6-1-8	4-3-1	4-10-5	5-1-13

Plate Offsets (X,Y)-- [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-5-4,0-2-0], [10:Edge,0-1-8], [11:Edge,0-3-8], [14:0-3-0,0-4-8], [16:0-4-0,0-4-8], [17:0-3-0,0-4-8], [19:0-3-8,0-0-8], [20:0-2-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.57	Vert(LL)	-0.22	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.78	Vert(CT)	-0.41	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.60	Horz(CT)	0.12	11	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	14-15	1686	360	Weight: 359 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-11-2 max.): 3-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-16, 16-19, 13-20
JOINTS 1 Brace at Jt(s): 19, 20, 21

REACTIONS. (lb/size) 1=2488/0-8-0, 11=2542/0-8-0
Max Horz 1=202(LC 11)
Max Grav 1=2492(LC 18), 11=2573(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-3831/359, 2-3=-3321/380, 3-4=-3133/377, 4-5=-3305/285, 5-6=-2722/257, 6-7=-2722/257, 7-8=-1752/148, 8-9=-3009/309, 9-10=-2899/235, 10-11=-2500/200
BOT CHORD 1-18=-262/3090, 17-18=-262/3090, 16-17=-110/2611, 15-16=-98/3396, 14-15=-98/3393, 13-14=-95/3400, 12-13=-126/2201
WEBS 2-18=0/280, 2-17=-628/197, 3-17=-50/576, 3-16=-35/1222, 4-16=-581/124, 16-19=-487/0, 15-19=0/541, 20-21=-1709/204, 14-20=0/557, 7-20=-1255/196, 8-20=-700/164, 8-13=-135/1692, 9-13=-95/250, 9-12=-549/97, 10-12=-79/2148, 5-21=-793/37, 7-21=-140/1389, 13-20=-2095/101

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 19-21, 20-21; Wall dead load (5.0psf) on member(s).15-19, 14-20
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
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.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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Date:

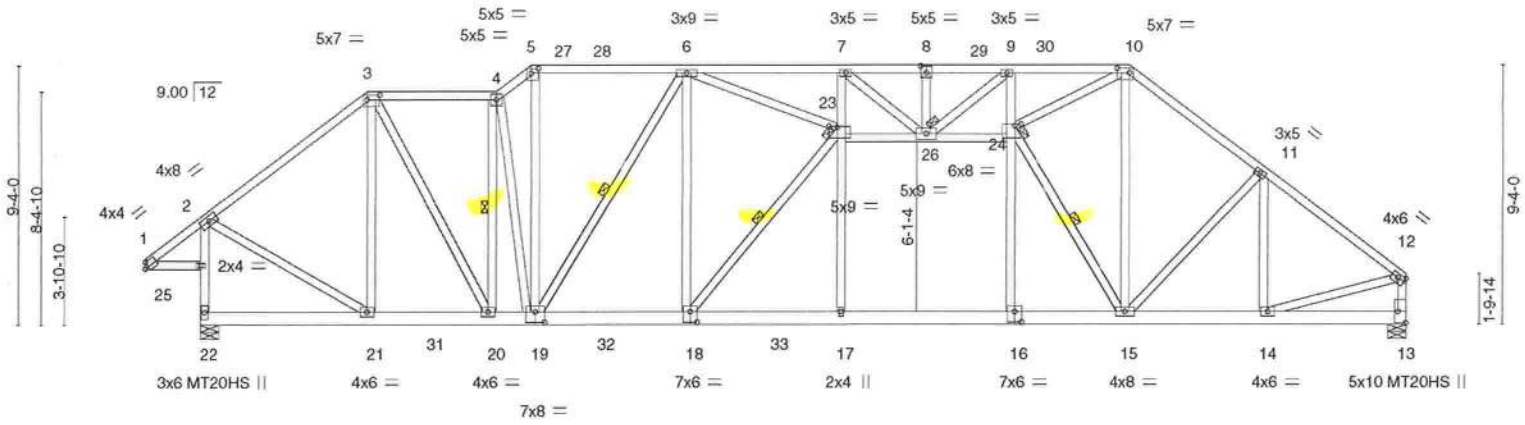
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A13A	ATTIC	1	1	T15058585
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:10 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-BoPU3JKMZYrCT3ZOYhQpEPlGcdtR0K0F6ZEGJGyeRVZ

-2-0-0	6-0-0	10-8-0	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	38-4-3	43-6-0
2-0-0	6-0-0	4-8-0	1-3-3	5-7-1	5-7-1	6-1-8	4-3-1	4-10-5	5-1-13

Scale = 1:83.1



6-0-0	10-8-0	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	38-4-3	43-6-0
6-0-0	4-8-0	1-3-3	5-7-1	5-7-1	6-1-8	4-3-1	4-10-5	5-1-13

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [3:0-5-4,0-2-0], [5:0-3-0,0-2-0], [8:0-2-8,0-3-0], [10:0-5-4,0-2-0], [12:0-3-0,0-1-12], [13:Edge,0-3-8], [16:0-3-0,0-4-8], [18:0-3-0,0-4-8], [19:0-4-0,0-4-8], [23:0-3-8,0-0-8], [24:0-2-8,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	-0.22	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.83	Vert(CT)	-0.40	16-17	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.10	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.04	16-17	1674	360	Weight: 409 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-10-13 oc purlins, except end verticals. Except:
3-7-0 oc bracing: 22-25
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-20, 6-19, 15-24, 18-23
JOINTS 1 Brace at Jt(s): 23, 24, 26

REACTIONS. (lb/size) 22=2708/0-8-0, 13=2528/0-8-0
Max Horz 22=-202(LC 10)
Max Grav 22=2715(LC 18), 13=2583(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2204/284, 3-4=-2537/347, 4-5=-3082/415, 5-6=-2519/357, 6-7=-3358/288, 7-8=-2798/260, 8-9=-2798/260, 9-10=-1830/152, 10-11=-3025/308, 11-12=-2910/233, 22-25=-2664/302, 2-25=-2653/309, 12-13=-2517/201
BOT CHORD 20-21=-70/1709, 19-20=-137/2627, 18-19=-132/3171, 17-18=-98/3364, 16-17=-98/3362, 15-16=-96/3369, 14-15=-128/2209
WEBS 3-21=-813/106, 3-20=-137/1863, 4-20=-1566/138, 4-19=-473/171, 5-19=-153/1539, 6-19=-1265/46, 6-18=0/538, 6-23=0/286, 17-23=0/539, 24-26=-1606/196, 16-24=0/556, 9-24=-1237/200, 15-24=-2066/102, 10-15=-137/1675, 11-14=-557/100, 12-14=-92/2207, 7-26=-813/37, 9-26=-139/1376, 18-23=-433/0, 10-24=-605/156, 2-21=-56/1886

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 23-26, 24-26, 1-25; Wall dead load (5.0psf) on member(s).17-23, 16-24
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-17
9) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A14	ATTIC	1	1	T15058586
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:12 2018 Page 1
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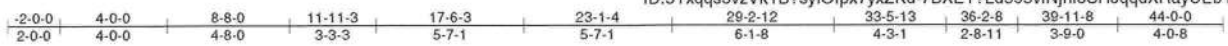

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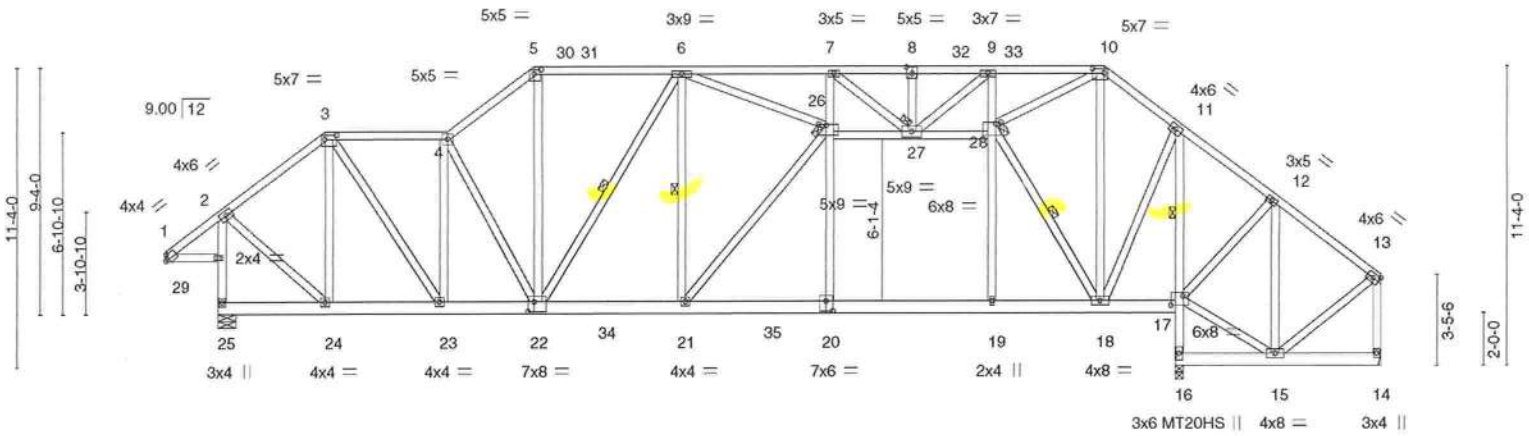

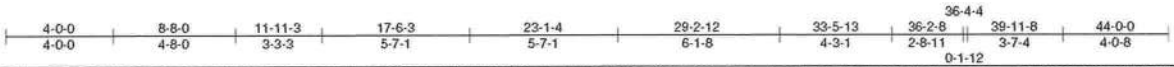

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [3:0-5-4,0-2-0], [5:0-3-0,0-2-0], [8:0-2-8,0-3-0], [10:0-5-4,0-2-0], [17:0-5-8,0-4-4], [20:0-3-0,0-4-8], [22:0-2-12,0-4-8], [26:0-3-8,0-0-8], [28:0-2-4,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.56	Vert(LL)	-0.15	19-20	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.70	Vert(CT)	-0.28	19-20	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.96	Horz(CT)	0.05	16	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS		Attic	-0.05	19-20	1642	360	Weight: 430 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-16: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-2-9 oc purlins, except end verticals. Except:
3-10-0 oc bracing: 25-29
BOT CHORD Rigid ceiling directly applied or 3-5-10 oc bracing. Except:
1 Row at midpt 11-17
WEBS 1 Row at midpt 6-22, 6-21, 18-28
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 25=2281/0-8-0, 16=2661/0-3-8, 14=349/Mechanical
Max Horz 25=238(LC 11)
Max Uplift 14=-4(LC 12)
Max Grav 25=2281(LC 1), 16=2732(LC 19), 14=378(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1493/222, 3-4=-2036/288, 4-5=-2424/344, 5-6=-1897/311, 6-7=-2824/251, 7-8=-1630/179, 8-9=-1630/179, 10-11=-913/195, 12-13=-251/96, 25-29=-2255/264, 2-29=-2244/271, 13-14=-337/63
BOT CHORD 23-24=-67/1180, 22-23=-145/2152, 21-22=-72/2315, 20-21=0/2045, 19-20=-0/2034, 18-19=0/2031, 16-17=-2698/242, 11-17=-2341/171
WEBS 3-24=-893/108, 3-23=-145/1657, 4-23=-1332/162, 4-22=-462/163, 5-22=-90/1081, 6-22=-804/12, 6-26=0/613, 20-26=0/519, 7-26=0/618, 26-27=-20/869, 27-28=-1929/222, 19-28=0/600, 9-28=-1641/245, 10-18=-99/546, 11-18=-21/1745, 12-17=-296/168, 2-24=-78/1518, 7-27=-1546/108, 9-27=-197/2030, 21-26=-117/513, 18-28=-2611/152, 10-28=-641/162

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 26-27, 27-28, 1-29; Wall dead load (5.0psf) on member(s).20-26, 19-28
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE 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.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A15	ATTIC	1	1	T15058587
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:14 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-4ae?ugNtdmLdxhtAnXUlPFvvjEFyxChr1BCTS1yeRVV

2-0-0	2-0-0	6-8-0	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	36-2-8	38-6-0	41-1-4	44-0-0
2-0-0	2-0-0	4-8-0	5-3-3	5-7-1	5-7-1	6-1-8	4-3-1	2-8-11	2-3-8	2-7-4	2-10-12

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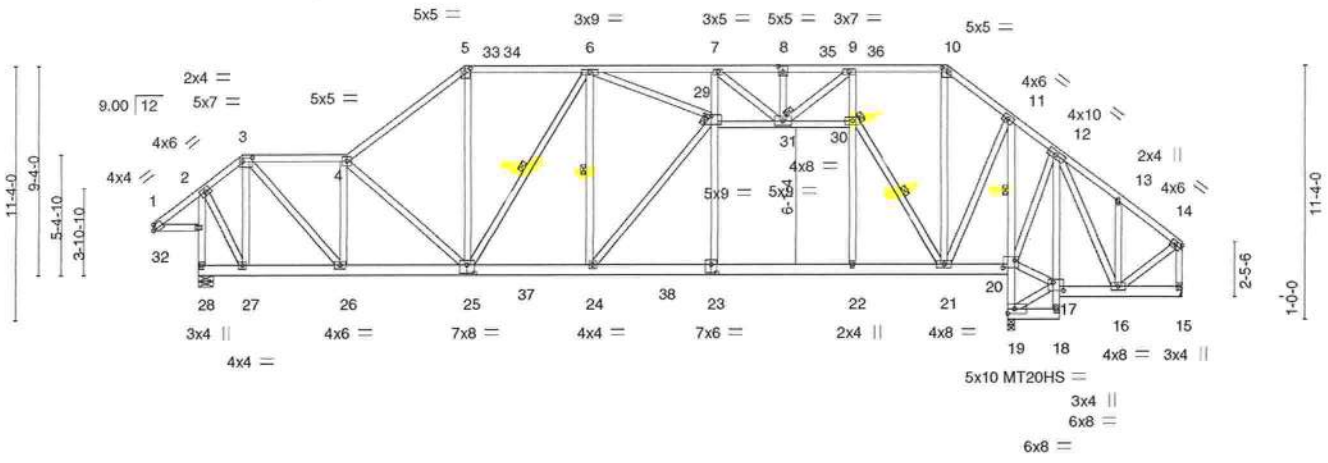

2-0-0	2-0-0	6-8-0	11-11-3	17-6-3	23-1-4	29-2-12	33-5-13	36-2-8	36-4-4 38-6-0	41-1-4	44-0-0
2-0-0	2-0-0	4-8-0	5-3-3	5-7-1	5-7-1	6-1-8	4-3-1	2-8-11	2-1-12 0-1-12	2-7-4	2-10-12

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [3:0-5-4,0-2-0], [5:0-3-0,0-2-0], [8:0-2-8,0-3-0], [10:0-3-0,0-2-0], [17:0-5-8,0-4-4], [20:0-6-0,0-4-0], [23:0-3-0,0-4-8], [25:0-4-0,0-4-8], [29:0-3-8,0-0-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.77	Vert(LL)	-0.16	22-23	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.72	Vert(CT)	-0.29	23-24	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.66	Horz(CT)	0.05	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS		Attic	-0.05	22-23	1503	360	Weight: 429 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
11-19,12-18: 2x4 SP No.2
WEBS 2x4 SP No.2 *Except*
2-28: 2x4 SP SS

BRACING-
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals. Except:
4-5-0 oc bracing: 28-32
BOT CHORD Rigid ceiling directly applied or 3-4-15 oc bracing. Except:
1 Row at midpt 11-20
WEBS 1 Row at midpt 6-25, 6-24, 21-30
JOINTS 1 Brace at Jt(s): 29, 30, 31

REACTIONS. (lb/size) 28=2275/0-8-0, 19=2691/0-3-8, 15=323/Mechanical
Max Horz 28=216(LC 11)
Max Uplift 15=-1(LC 12)
Max Grav 28=2275(LC 1), 19=2770(LC 19), 15=364(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-990/175, 3-4=-2133/276, 4-5=-2463/315, 5-6=-1909/310, 6-7=-3169/357, 7-8=-1943/278, 8-9=-1943/278, 9-10=-652/180, 10-11=-869/188, 12-13=-259/164, 13-14=-255/65, 28-32=-2280/260, 2-32=-2269/267, 14-15=-330/42
BOT CHORD 26-27=-44/805, 25-26=-175/2273, 24-25=-58/2301, 23-24=0/1905, 22-23=0/1894, 21-22=0/1888, 19-20=-2712/225, 11-20=-2290/135
WEBS 3-27=-1286/134, 3-26=-199/2134, 4-26=-1518/212, 4-25=-462/161, 5-25=-40/998, 6-25=-788/10, 6-24=-404/181, 6-29=-52/993, 23-29=0/506, 7-29=0/662, 29-31=-158/1356, 30-31=-1264/48, 22-30=0/623, 9-30=-1477/214, 21-30=-2361/83, 10-21=-23/256, 11-21=-14/1762, 12-20=-333/163, 12-16=-130/269, 13-16=-253/135, 7-31=-1593/118, 9-31=-143/1762, 24-29=-169/722, 2-27=-113/1595

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-15 to 43-10-4 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 29-31, 30-31, 1-32; Wall dead load (5.0psf) on member(s).23-29, 22-30
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 22-23
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 15.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A15A	ATTIC	1	1	T15058588

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:16 2018 Page 1
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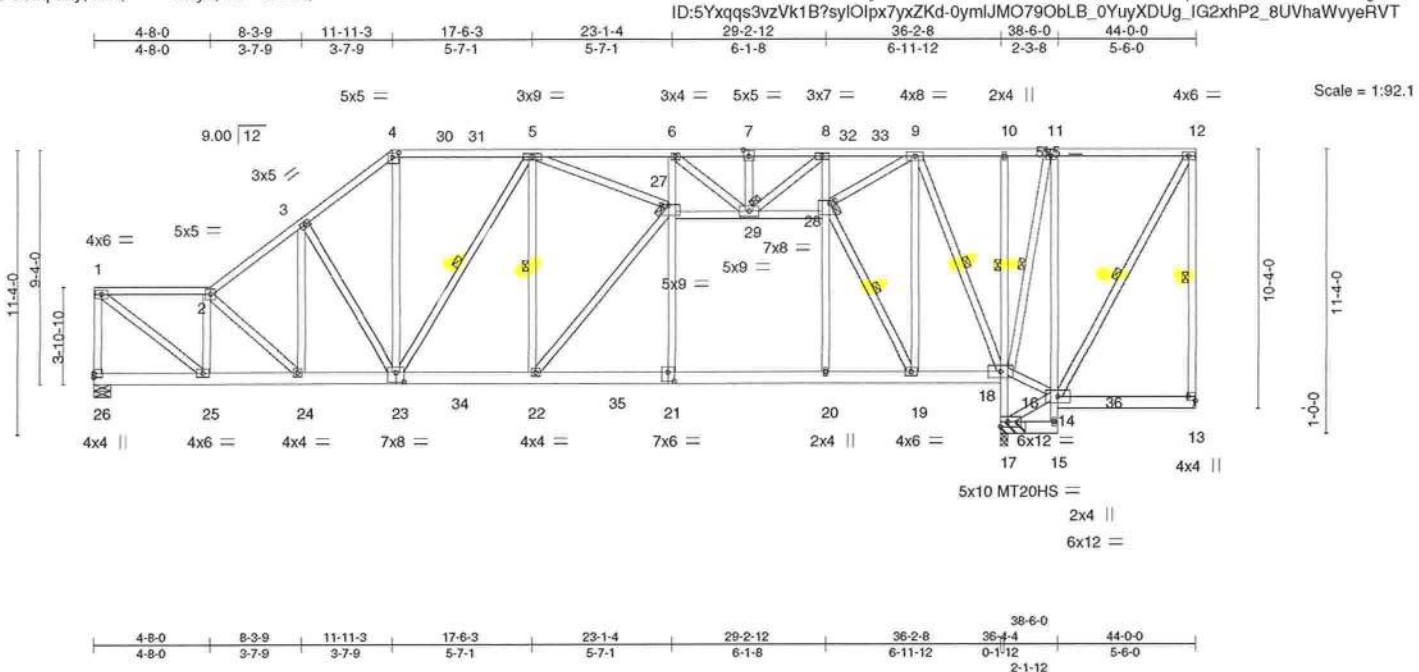

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [7:0-2-8,0-3-0], [11:0-2-8,0-3-4], [13:Edge,0-3-8], [21:0-3-0,0-4-8], [23:0-4-0,0-4-8], [27:0-3-8,0-0-8], [28:0-2-8,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.58	Vert(LL)	-0.17	20-21	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.71	Vert(CT)	-0.31	21-22	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS		Attic	-0.05	20-21	1547	360	Weight: 450 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
10-17,11-15: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
3-1-14 oc bracing: 17-18
6-0-0 oc bracing: 15-17.
1 Row at midpt 10-18
WEBS 1 Row at midpt 12-13, 5-23, 5-22, 11-18, 12-14, 19-28, 9-18
JOINTS 1 Brace at Jt(s): 27, 28, 29

REACTIONS. (lb/size) 26=1999/0-8-0, 13=96/Mechanical, 17=2974/(0-3-8 + bearing block) (req. 0-3-10)
Max Horz 26=285(LC 11)
Max Uplift 13=-23(LC 9)
Max Grav 26=1999(LC 1), 13=152(LC 25), 17=3070(LC 18)

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

TOP CHORD 1-26=-1929/218, 1-2=-2192/183, 2-3=-2663/265, 3-4=-2401/308, 4-5=-1875/283, 5-6=-3053/238, 6-7=-1777/170, 7-8=-1777/170, 9-10=-100/279, 10-11=-101/283
BOT CHORD 25-26=-416/420, 24-25=-548/2359, 23-24=-479/2167, 22-23=-360/2227, 21-22=-209/1803, 20-21=-212/1792, 19-20=-211/1787, 18-19=-124/625, 17-18=-3017/277, 11-14=-45/329
WEBS 1-25=-254/2751, 2-25=-1682/225, 4-23=-71/1068, 5-23=-737/12, 5-22=-408/237, 5-27=-41/935, 21-27=0/504, 6-27=-7/717, 27-29=-191/1329, 28-29=-1641/207, 20-28=0/644, 8-28=-1620/278, 9-28=-531/163, 11-18=-703/143, 6-29=-1663/209, 8-29=-288/2124, 22-27=-237/725, 19-28=-2562/190, 9-19=-117/2079, 3-23=-517/170, 3-24=-29/270, 2-24=-278/96, 9-18=-2259/173

NOTES-

1) 2x6 SP No.2 bearing block 12" long at jt. 17 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 27-29, 28-29; Wall dead load (5.0psf) on member(s).21-27, 20-28
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A15A	ATTIC	1	1	T15058588
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:16 2018 Page 1
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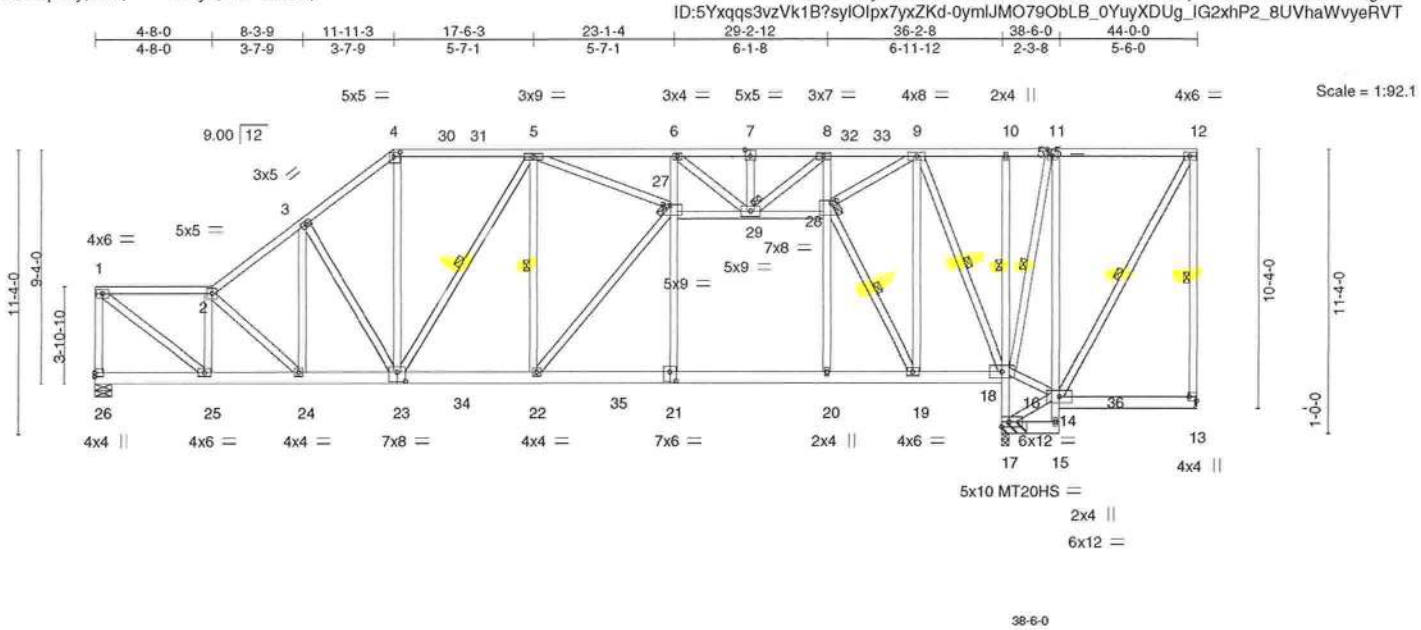

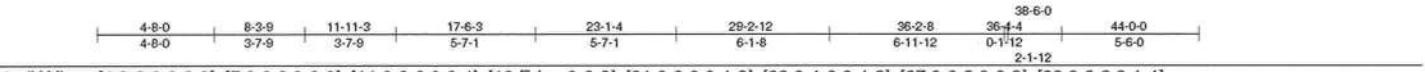

Plate Offsets (X,Y)-- [4:0-3-0,0-2-0], [7:0-2-8,0-3-0], [11:0-2-8,0-3-4], [13:Edge,0-3-8], [21:0-3-0,0-4-8], [23:0-4-0,0-4-8], [27:0-3-8,0-0-8], [28:0-2-8,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.58	Vert(LL)	-0.17	20-21	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.71	Vert(CT)	-0.31	21-22	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.93	Horz(CT)	0.06	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS		Attic	-0.05	20-21	1547	360	Weight: 450 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
10-17,11-15: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 3-0-14 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
3-1-14 oc bracing: 17-18
6-0-0 oc bracing: 15-17.
1 Row at midpt 10-18
WEBS 1 Row at midpt 12-13, 5-23, 5-22, 11-18, 12-14, 19-28, 9-18
JOINTS 1 Brace at Jt(s): 27, 28, 29

REACTIONS. (lb/size) 26=1999/0-8-0, 13=96/Mechanical, 17=2974/(0-3-8 + bearing block) (req. 0-3-10)
Max Horz 26=285(LC 11)
Max Uplift 13=-23(LC 9)
Max Grav 26=1999(LC 1), 13=152(LC 25), 17=3070(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-26=-1929/218, 1-2=-2192/183, 2-3=-2663/265, 3-4=-2401/308, 4-5=-1875/283, 5-6=-3053/238, 6-7=-1777/170, 7-8=-1777/170, 9-10=-100/279, 10-11=-101/283
BOT CHORD 25-26=-416/420, 24-25=-548/2359, 23-24=-479/2167, 22-23=-360/2227, 21-22=-209/1803, 20-21=-212/1792, 19-20=-211/1787, 18-19=-124/625, 17-18=-3017/277, 11-14=-45/329
WEBS 1-25=-254/2751, 2-25=-1682/225, 4-23=-71/1068, 5-23=-737/12, 5-22=-408/237, 5-27=-41/935, 21-27=0/504, 6-27=-7/717, 27-29=-191/1329, 28-29=-1641/207, 20-28=0/644, 8-28=-1620/278, 9-28=-531/163, 11-18=-703/143, 6-29=-1663/209, 8-29=-288/2124, 22-27=-237/725, 19-28=-2562/190, 9-19=-117/2079, 3-23=-517/170, 3-24=-29/270, 2-24=-278/96, 9-18=-2259/173

NOTES-
1) 2x6 SP No.2 bearing block 12" long at jt. 17 attached to front face with 3 rows of 10d (0.131"x3") nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SP No.2.
2) Unbalanced roof live loads have been considered for this design.
3) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Ceiling dead load (5.0 psf) on member(s). 27-29, 28-29; Wall dead load (5.0psf) on member(s).21-27, 20-28
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 20-21
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.
12) This truss is designed in accordance with the 2014 Florida Residential Code sections R802.10.2 and R802.11.

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Date: September 12,2018

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A16	ATTIC	4	1	T15058589

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:18 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-yLuVk2QOg?r3QlAx0NZhZ54gordWtycQypAhboyeRVR

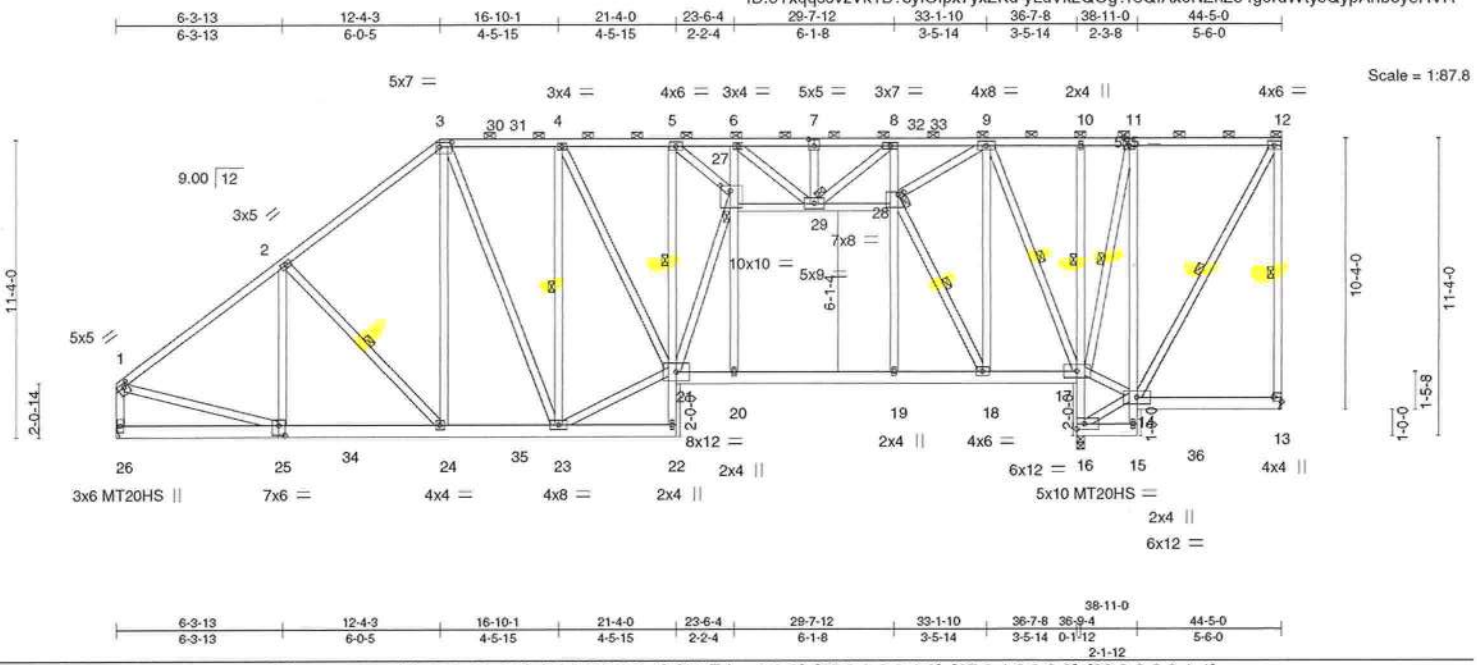

Plate Offsets (X,Y)-- [1:0-2-0,0-1-12], [3:0-5-4,0-2-0], [7:0-2-8,0-3-0], [11:0-2-8,0-3-4], [13:Edge,0-3-8], [25:0-3-0,0-4-8], [27:0-4-8,0-2-8], [28:0-2-8,0-1-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.51	Vert(LL)	-0.16	5-21	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.68	Vert(CT)	-0.31	5-21	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.08	13	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS		Attic	-0.05	19-20	1547	360	Weight: 479 lb	FT = 0%

LUMBER-

TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-22,10-16,11-15: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-

TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-5-0 max.): 3-12.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-21, 10-17
WEBS 1 Row at midpt 12-13, 2-24, 4-23, 9-17, 12-14, 18-28, 11-17
JOINTS 1 Brace at Jt(s): 12, 11, 27, 28, 29

REACTIONS. (lb/size) 13=183/Mechanical, 26=2041/Mechanical, 16=2893/0-3-8
Max Horz 26=314(LC 9)
Max Uplift 13=-16(LC 9)
Max Grav 13=208(LC 19), 26=2058(LC 18), 16=2949(LC 18)

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

TOP CHORD 1-2=-2288/233, 2-3=-2155/323, 3-4=-1795/313, 4-5=-2175/282, 5-6=-2972/272, 6-7=-1681/189, 7-8=-1681/189, 1-26=-1990/209
BOT CHORD 25-26=-560/608, 24-25=-525/1849, 23-24=-393/1670, 5-21=-901/150, 20-21=-267/1904, 19-20=-267/1900, 18-19=-266/1895, 17-18=-148/704, 16-17=-2897/281
WEBS 2-25=-346/106, 2-24=-320/191, 3-24=-72/385, 3-23=0/559, 4-23=-1141/130, 21-23=-386/1938, 4-21=-12/883, 5-27=-88/1023, 20-27=0/462, 6-27=-86/889, 27-29=-173/1159, 28-29=-1861/292, 19-28=0/641, 8-28=-1627/311, 9-28=-758/195, 9-18=-176/2159, 9-17=-2228/198, 1-25=-61/1615, 7-29=-270/85, 6-29=-1681/239, 8-29=-348/2146, 21-27=-307/1066, 18-28=-2658/262, 11-17=-586/132

NOTES-

1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Ceiling dead load (5.0 psf) on member(s). 27-29, 28-29; Wall dead load (5.0psf) on member(s).20-27, 19-28
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 19-20
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A17	ATTIC	1	1	T15058590
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:19 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-QXSuxOR0RJzw2SI7a44w5JcrlFz_cTpaATwE7EyeRVQ

6-3-13	12-4-3	16-10-1	21-4-0	23-6-4	29-7-12	32-0-13	36-7-8	40-4-8	44-5-0
6-3-13	6-0-5	4-5-15	4-5-15	2-2-4	6-1-8	2-5-1	4-6-11	3-9-0	4-0-8

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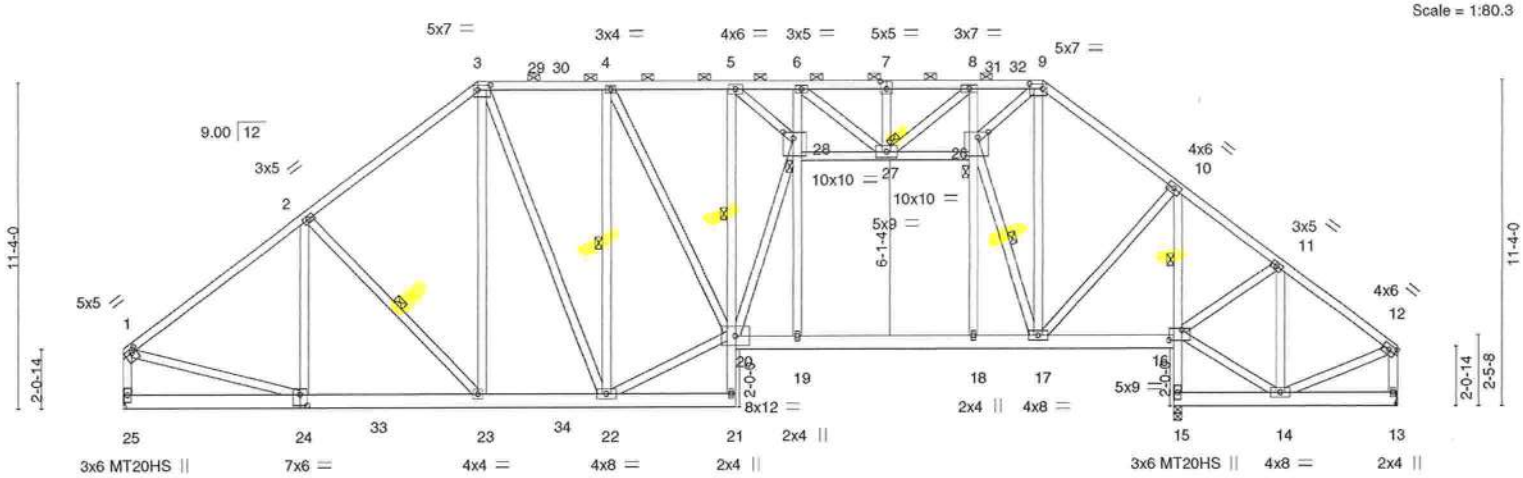

6-3-13	12-4-3	16-10-1	21-4-0	23-6-4	29-7-12	32-0-13	36-7-8	36-9-4	40-4-8	44-5-0
6-3-13	6-0-5	4-5-15	4-5-15	2-2-4	6-1-8	2-5-1	4-6-11	0-1-12	3-7-4	4-0-8

Plate Offsets (X,Y)-- [1:0-2-0,0-1-12], [3:0-5-4,0-2-0], [7:0-2-8,0-3-0], [9:0-5-4,0-2-0], [16:0-5-8,0-4-4], [24:0-3-0,0-4-8], [26:0-4-8,0-2-4], [28:0-4-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.50	Vert(LL)	-0.17	5-20	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.67	Vert(CT)	-0.32	5-20	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.67	Horz(CT)	0.08	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.05	18-19	1386	360	Weight: 434 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x6 SP No.2 *Except*
5-21,10-15: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-3-5 max.): 3-9.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-20, 10-16
WEBS 1 Row at midpt 2-23, 4-22, 17-26
JOINTS 1 Brace at Jt(s): 26, 27, 28

REACTIONS. (lb/size) 25=2077/Mechanical, 15=2680/0-3-8, 13=361/Mechanical
Max Horz 25=-242(LC 10)
Max Uplift 13=-8(LC 12)
Max Grav 25=2090(LC 18), 15=2707(LC 19), 13=366(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2326/250, 2-3=-2200/339, 3-4=-1844/330, 4-5=-2255/292, 5-6=-3220/283, 6-7=-1928/225, 7-8=-1928/225, 8-9=-325/62, 9-10=-1445/193, 11-12=-285/82, 1-25=-2022/220, 12-13=-320/67
BOT CHORD 24-25=-185/314, 23-24=-136/1899, 22-23=-17/1725, 5-20=-1036/90, 19-20=0/1966, 18-19=0/1962, 17-18=0/1957, 15-16=-2670/207, 10-16=-2380/180
WEBS 2-24=-356/110, 2-23=-297/172, 3-23=-61/380, 3-22=-5/671, 4-22=-1232/56, 20-22=-19/2010, 4-20=0/948, 19-28=0/452, 6-28=0/894, 27-28=-47/1370, 26-27=-1729/202, 18-26=0/666, 8-26=-1649/205, 9-26=-1089/187, 9-17=-115/1201, 10-17=0/1667, 11-16=-268/140, 1-24=-71/1645, 7-27=-284/90, 6-27=-1685/79, 8-27=-231/2220, 20-28=-158/1215, 5-28=0/1239, 17-26=-2720/152

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 27-28, 26-27; Wall dead load (5.0psf) on member(s).19-28, 18-26
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 18-19
9) Refer to girder(s) for truss to truss connections.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 13.
11) 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.
12) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
13) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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Date: September 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE 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.

MiTek
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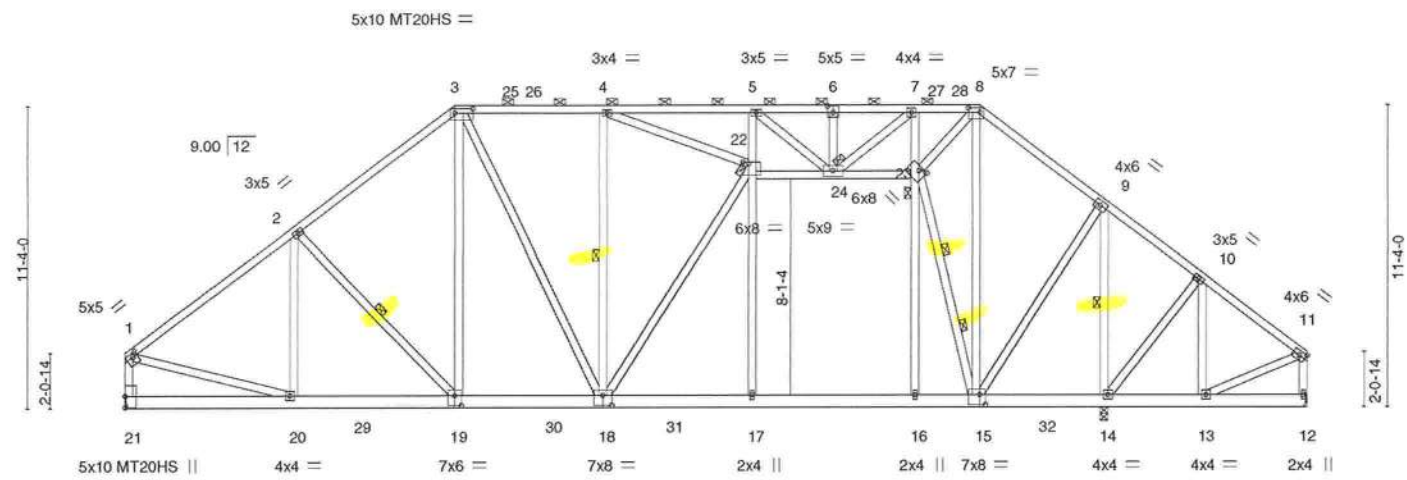
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A18	ATTIC	3	1	T15058591
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:21 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-NwZeM4SGzwDeHmvWhV7OBki9l3ft4KhtenPLC7yeRVO

6-3-13	12-4-3	17-11-3	23-6-4	29-7-12	32-0-13	36-9-4	40-5-6	44-5-0
6-3-13	6-0-5	5-7-1	5-7-1	6-1-8	2-5-1	4-8-7	3-8-2	3-11-10

Scale = 1:86.6



6-3-13	12-4-3	17-11-3	23-6-4	29-7-12	32-0-13	36-9-4	40-5-6	44-5-0
6-3-13	6-0-5	5-7-1	5-7-1	6-1-8	2-5-1	4-8-7	3-8-2	3-11-10

Plate Offsets (X,Y)-- [1:0-2-0,0-1-12], [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-5-4,0-2-0], [15:0-2-12,0-4-8], [18:0-4-0,0-4-8], [19:0-3-0,0-4-8], [22:0-2-8,0-0-12], [23:0-3-4,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.56	Vert(LL)	-0.15	17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.64	Vert(CT)	-0.28	17-18	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.05	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.05	16-17	1494	360	Weight: 417 lb	FT = 0%

LUMBER-

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

BRACING-

TOP CHORD	Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (3-1-5 max.): 3-8.
BOT CHORD	Rigid ceiling directly applied.
WEBS	1 Row at midpt 2-19, 4-18, 9-14 2 Rows at 1/3 pts 15-23
JOINTS	1 Brace at Jt(s): 22, 23, 24

REACTIONS. (lb/size) 21=2104/Mechanical, 14=2596/0-3-8, 12=449/Mechanical
Max Horz 21=-242(LC 10)
Max Grav 21=2172(LC 18), 14=2768(LC 19), 12=465(LC 23)

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

TOP CHORD	1-2=-2435/233, 2-3=-2323/312, 3-4=-2006/298, 4-5=-2952/255, 5-6=-1660/187, 6-7=-1660/187, 7-8=-352/69, 8-9=-1312/185, 10-11=-382/31, 1-21=-2099/203, 11-12=-413/17
BOT CHORD	20-21=-183/319, 19-20=-120/1978, 18-19=-0/1820, 17-18=0/1755, 16-17=0/1752, 15-16=0/1741
WEBS	2-20=-356/102, 2-19=-292/175, 3-19=-59/383, 3-18=0/719, 4-18=-845/143, 4-22=0/1011, 17-22=0/527, 5-22=0/723, 22-24=-31/1289, 23-24=-1380/164, 16-23=0/663, 7-23=-1299/160, 8-23=-975/190, 8-15=-138/1185, 9-15=0/1642, 9-14=-2342/161, 10-14=-252/123, 1-20=-55/1727, 5-24=-1678/94, 7-24=-156/1741, 18-22=-128/641, 15-23=-2803/155

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 22-24, 23-24; Wall dead load (5.0psf) on member(s).17-22, 16-23
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-17
9) Refer to girder(s) for truss to truss connections.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

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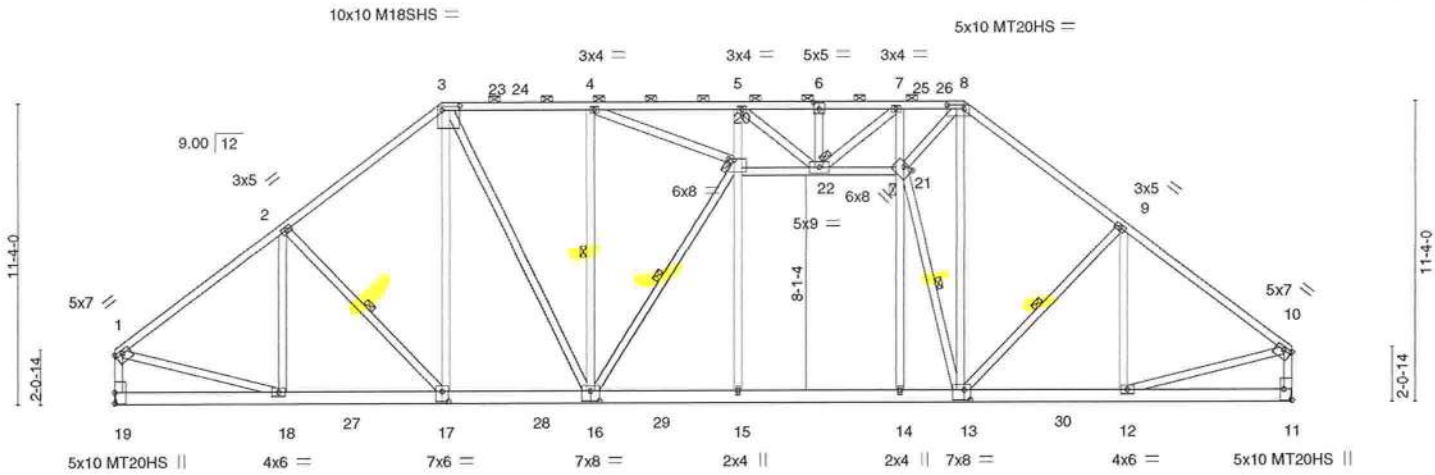
Date: September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A19	ATTIC	3	1	T15058592
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:22 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-r670aPTukELVvvUiFDedjxEKxT_jpoK0sR8ukZyeRVN

6-3-13	12-4-3	17-11-3	23-6-4	29-7-12	32-0-13	38-1-3	44-5-0
6-3-13	6-0-5	5-7-1	5-7-1	6-1-8	2-5-1	6-0-5	6-3-13

Scale = 1:87.0



6-3-13	12-4-3	17-11-3	23-6-4	29-7-12	32-0-13	38-1-3	44-5-0
6-3-13	6-0-5	5-7-1	5-7-1	6-1-8	2-5-1	6-0-5	6-3-13

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-7-12,0-1-12], [10:Edge,0-1-8], [11:Edge,0-3-8], [13:0-2-12,0-4-8], [16:0-4-0,0-4-8], [17:0-3-0,0-4-8], [20:0-2-8,0-0-12], [21:0-4-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.57	Vert(LL)	-0.20	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.73	Vert(CT)	-0.37	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.08	11	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS		Attic	-0.04	14-15	1705	360	Weight: 405 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-10-15 max.): 3-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-17, 4-16, 16-20, 9-13, 13-21
JOINTS 1 Brace at Jt(s): 20, 21, 22

REACTIONS. (lb/size) 19=2546/Mechanical, 11=2604/Mechanical
Max Horz 19=-242(LC 10)
Max Grav 19=2627(LC 18), 11=2718(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2981/275, 2-3=-2959/361, 3-4=-2744/352, 4-5=-3327/279, 5-6=-2698/259, 6-7=-2698/259, 7-8=-1968/176, 8-9=-3078/295, 9-10=-3093/217, 1-19=-2551/235, 10-11=-2644/187
BOT CHORD 18-19=-178/328, 17-18=-154/2415, 16-17=-40/2328, 15-16=-7/2873, 14-15=-7/2871, 13-14=-8/2861, 12-13=-98/2334
WEBS 2-18=-483/111, 3-17=-54/315, 3-16=-15/1208, 4-16=-735/131, 16-20=-302/78, 15-20=0/543, 14-21=0/607, 7-21=-940/115, 8-21=-651/172, 8-13=-169/1867, 9-12=-493/99, 20-22=0/613, 21-22=-943/137, 1-18=-86/2174, 10-12=-39/2269, 5-22=-899/28, 7-22=-105/1088, 4-20=0/672, 13-21=-2016/92

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 20-22, 21-22; Wall dead load (5.0psf) on member(s).15-20, 14-21
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
9) Refer to girder(s) for truss to truss connections.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

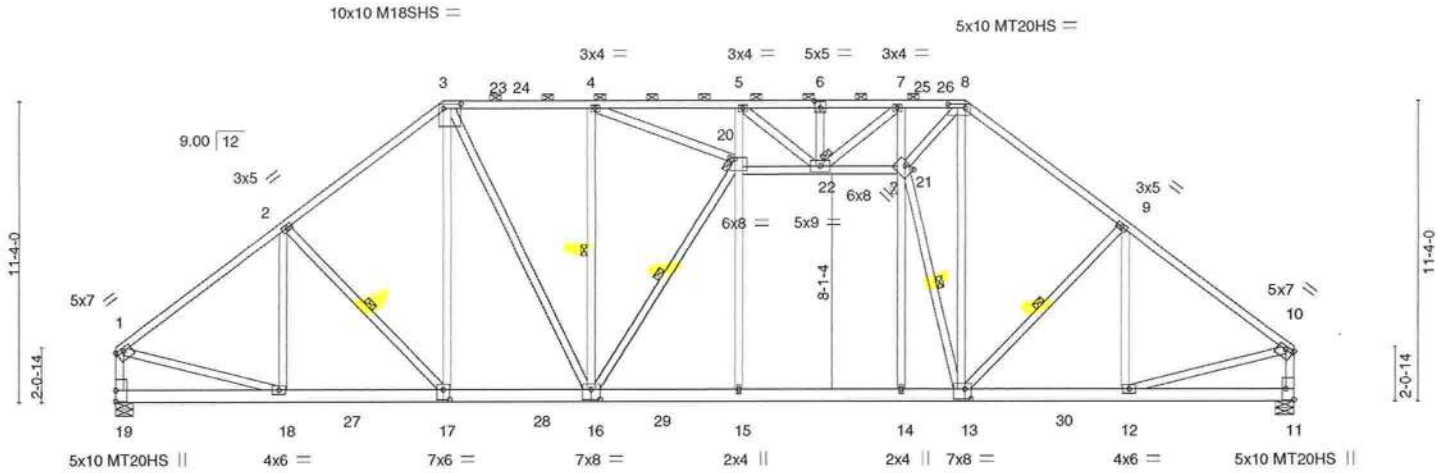
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A20	ATTIC	1	1	T15058593
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:32 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-Y1kogqbANlc45SFdqJpz72f2PUO39KpUA?ZQ5_yeRVD

6-3-13	12-4-3	17-11-3	23-6-4	29-7-12	32-0-13	38-1-3	44-5-0
6-3-13	6-0-5	5-7-1	5-7-1	6-1-8	2-5-1	6-0-5	6-3-13

Scale = 1:87.0



6-3-13	12-4-3	17-11-3	23-6-4	29-7-12	32-0-13	38-1-3	44-5-0
6-3-13	6-0-5	5-7-1	5-7-1	6-1-8	2-5-1	6-0-5	6-3-13

Plate Offsets (X,Y)-- [1:Edge,0-1-8], [3:0-8-0,0-2-0], [6:0-2-8,0-3-0], [8:0-7-12,0-1-12], [10:Edge,0-1-8], [11:Edge,0-3-8], [13:0-2-12,0-4-8], [16:0-4-0,0-4-8], [17:0-3-0,0-4-8], [20:0-2-8,0-0-12], [21:0-4-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.57	Vert(LL)	-0.20	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.73	Vert(CT)	-0.37	14-15	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.08	11	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.04	14-15	1705	360	Weight: 405 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (2-10-15 max.): 3-8.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-17, 4-16, 9-13, 16-20, 13-21
JOINTS 1 Brace at Jt(s): 20, 21, 22

REACTIONS. (lb/size) 19=2546/0-8-0, 11=2604/0-8-0
Max Horz 19=-242(LC 10)
Max Grav 19=2627(LC 18), 11=2718(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-2981/275, 2-3=-2959/361, 3-4=-2744/352, 4-5=-3327/279, 5-6=-2698/259, 6-7=-2698/259, 7-8=-1968/176, 8-9=-3078/295, 9-10=-3093/217, 1-19=-2551/235, 10-11=-2644/187
BOT CHORD 18-19=-178/328, 17-18=-154/2415, 16-17=-40/2328, 15-16=-7/2873, 14-15=-7/2871, 13-14=-8/2861, 12-13=-98/2334
WEBS 2-18=-483/111, 3-17=-54/315, 3-16=-15/1208, 4-16=-735/131, 4-20=0/672, 15-20=0/543, 14-21=0/607, 7-21=-940/115, 8-21=-651/172, 8-13=-169/1867, 9-12=-493/99, 20-22=0/613, 21-22=-943/137, 1-18=-86/2174, 10-12=-39/2269, 5-22=-899/28, 7-22=-105/1088, 16-20=-302/78, 13-21=-2016/92

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 20-22, 21-22; Wall dead load (5.0psf) on member(s).15-20, 14-21
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 14-15
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.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

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6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A21	ATTIC	1	1	T15058594
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:33 2018 Page 1
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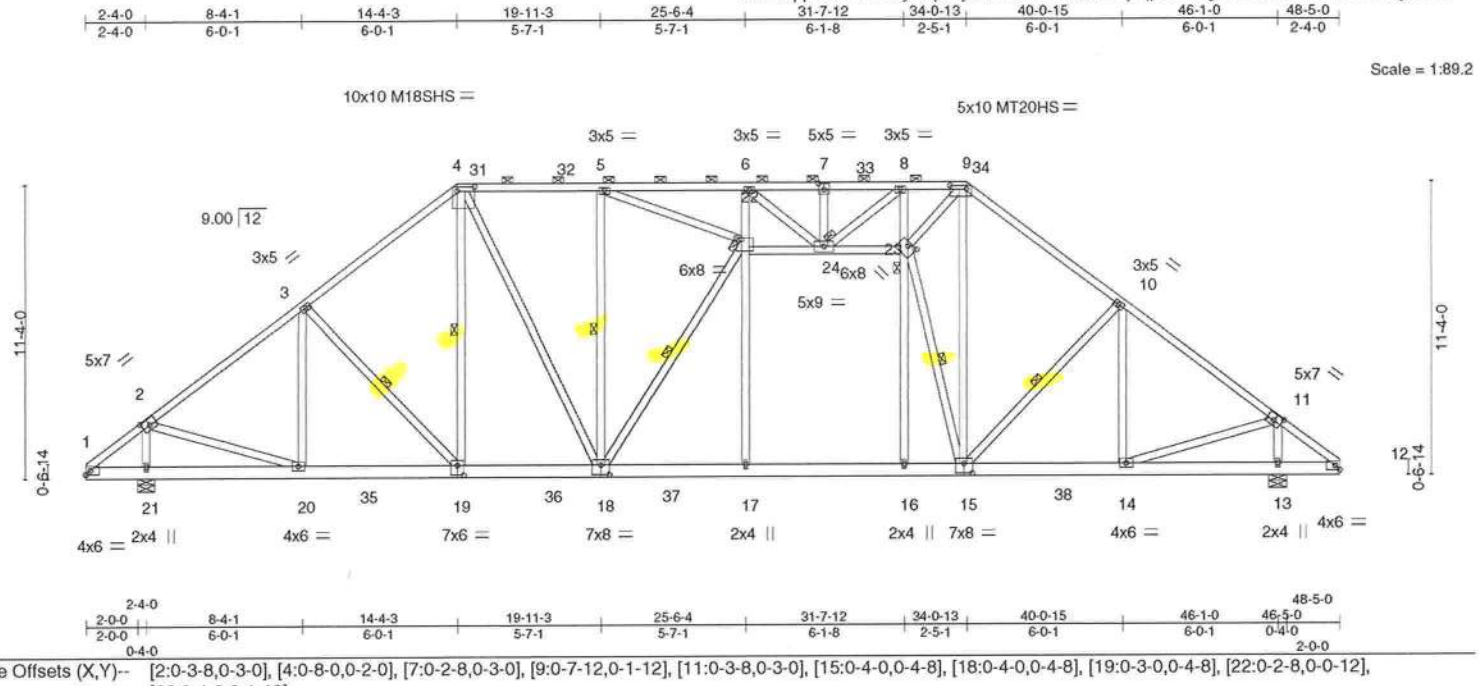


Plate Offsets (X,Y)-- [2:0-3-8,0-3-0], [4:0-8-0,0-2-0], [7:0-2-8,0-3-0], [9:0-7-12,0-1-12], [11:0-3-8,0-3-0], [15:0-4-0,0-4-8], [18:0-4-0,0-4-8], [19:0-3-0,0-4-8], [22:0-2-8,0-0-12], [23:0-4-0,0-1-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.56	Vert(LL)	-0.19	16-17	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.72	Vert(CT)	-0.36	16-17	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.08	13	n/a	n/a	M18SHS	244/190
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-AS		Attic	-0.04	16-17	1714	360	Weight: 422 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (2-11-4 max.): 4-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-19, 4-19, 5-18, 18-22, 10-15, 15-23
JOINTS 1 Brace at Jt(s): 22, 23, 24

REACTIONS. (lb/size) 21=2782/0-8-0, 13=2841/0-8-0
Max Horz 21=-228(LC 10)
Max Grav 21=2823(LC 18), 13=2915(LC 19)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2831/252, 3-4=-2874/345, 4-5=-2677/340, 5-6=-3279/264, 6-7=-2645/247, 7-8=-2645/247, 8-9=-1913/164, 9-10=-2991/277, 10-11=-2941/194
BOT CHORD 20-21=-169/295, 19-20=-43/2298, 18-19=0/2264, 17-18=0/2804, 16-17=0/2801, 15-16=0/2791, 14-15=0/2214
WEBS 2-21=-2669/328, 2-20=-92/2110, 3-20=-561/109, 4-19=-41/263, 4-18=-13/1201, 5-18=-740/129, 18-22=-288/76, 17-22=0/543, 22-24=0/631, 23-24=-925/138, 16-23=0/607, 8-23=-936/112, 9-23=-656/174, 9-15=-158/1822, 10-14=-572/97, 11-14=-46/2198, 11-13=-2763/280, 6-24=-896/24, 8-24=-103/1082, 5-22=0/689, 15-23=-2008/93

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 22-24, 23-24; Wall dead load (5.0psf) on member(s).17-22, 16-23
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-17
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.
11) ATTIC SPACE SHOWN IS DESIGNED AS UNINHABITABLE.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

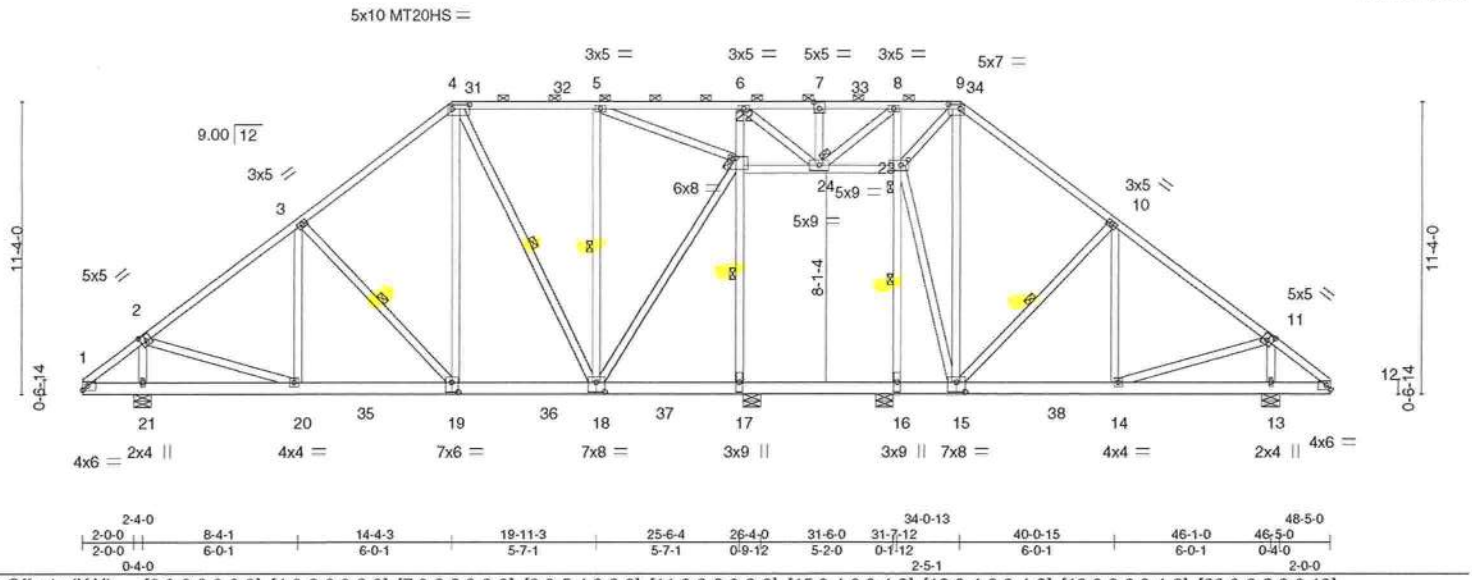
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	A22	ATTIC	4	1	T15058595
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:35 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-ycPxlsd2gD_ezvzCWRNglhHZGiWwMnXxsyo4hJyeRVA

2-4-0	8-4-1	14-4-3	19-11-3	25-6-4	31-7-12	34-0-13	40-0-15	46-1-0	48-5-0
2-4-0	6-0-1	6-0-1	5-7-1	5-7-1	6-1-8	2-5-1	6-0-1	6-0-1	2-4-0

Scale = 1:89.4



2-4-0	8-4-1	14-4-3	19-11-3	25-6-4	26-4-0	31-6-0	31-7-12	34-0-13	40-0-15	46-1-0	48-5-0
2-0-0	6-0-1	6-0-1	5-7-1	5-7-1	0-9-12	5-2-0	0-1-12	2-5-1	6-0-1	6-0-1	0-4-0
0-4-0											2-0-0

Plate Offsets (X,Y)-- [2:0-2-8,0-3-0], [4:0-8-0,0-2-0], [7:0-2-8,0-3-0], [9:0-5-4,0-2-0], [11:0-2-8,0-3-0], [15:0-4-0,0-4-8], [18:0-4-0,0-4-8], [19:0-3-0,0-4-8], [22:0-2-8,0-0-12], [23:0-3-8,0-2-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.53	Vert(LL)	-0.03	18-19	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.34	Vert(CT)	-0.06	18-19	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.01	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS		Attic	-0.03	16-17	2254	360	Weight: 422 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 4-9.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-19, 4-18, 5-18, 17-22, 16-23, 10-15
JOINTS 1 Brace at Jt(s): 22, 23, 24

REACTIONS. All bearings 0-8-0.
(lb) - Max Horz 21=-228(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 21
Max Grav All reactions 250 lb or less at joint(s) except 21=1527(LC 22), 17=1936(LC 18), 16=1507(LC 19), 13=1038(LC 23)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1254/172, 3-4=-1005/251, 4-5=-482/229, 9-10=-322/152, 10-11=-691/88
BOT CHORD 20-21=-206/256, 19-20=0/1016, 18-19=0/752, 14-15=0/434
WEBS 2-21=-1396/262, 2-20=-28/894, 3-19=-387/166, 4-19=-53/507, 4-18=-496/64, 5-18=-370/100, 18-22=-110/952, 17-22=-1561/296, 6-22=-506/163, 16-23=-1177/200, 8-23=-440/72, 9-23=-484/138, 10-15=-541/183, 11-14=0/457, 11-13=-932/192, 8-24=-39/303, 5-22=-597/162, 15-23=-31/334

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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) Ceiling dead load (5.0 psf) on member(s). 22-24, 23-24; Wall dead load (5.0psf) on member(s).17-22, 16-23
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (5.0 psf) applied only to room. 16-17
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21.
10) 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.
11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
12) Attic room checked for L/360 deflection.

Philip J. O'Regan PE No.58126
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6904 Parke East Blvd. Tampa FL 33610
Date:

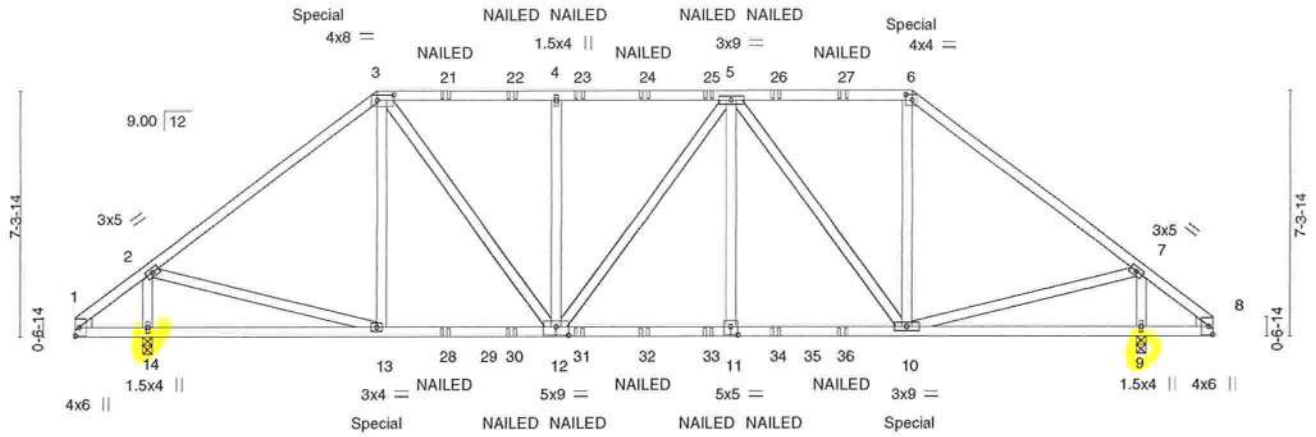
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B1GIR	HIP GIRDER	1	2	T15058596
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:59 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-FEs?L3w61b0FrbppwUoIjlGe1NdU_cFTNhcLXwyeRUo

2-1-12	9-0-0	14-4-9	19-7-7	25-0-0	31-10-4	34-0-0
2-1-12	6-10-4	5-4-9	5-2-13	5-4-9	6-10-4	2-1-12

Scale = 1:68.8



2-0-0	2-1-12	9-0-0	14-4-9	19-7-7	25-0-0	31-10-4	34-0-0
2-0-0	2-0-00-1-12	6-10-4	5-4-9	5-2-13	5-4-9	6-10-4	0-1-12 2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-6-0,0-2-0], [6:0-2-4,0-2-0], [8:0-1-0,0-4-7], [8:0-0-8,0-0-11], [11:0-2-8,0-3-0], [12:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.60	Vert(LL)	0.10	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.66	Vert(CT)	-0.16	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 425 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=3241/0-3-8, 9=3241/0-3-8
Max Horz 14=-137(LC 6)
Max Uplift 14=-1106(LC 8), 9=-1066(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3439/1308, 3-4=-3516/1411, 4-5=-3516/1411, 5-6=-2609/1098, 6-7=-3439/1312
BOT CHORD 12-13=-969/2584, 11-12=-1268/3515, 10-11=-1268/3515
WEBS 2-14=-3179/1097, 2-13=-964/2572, 3-12=-543/1593, 4-12=-628/138, 5-11=-288/669, 5-10=-1575/536, 6-10=-611/1335, 7-10=-966/2575, 7-9=-3179/1076

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; 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) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=1106, 9=1066.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 171 lb up at 9-0-0, and 212 lb down and 171 lb up at 25-0-0 on top chord, and 451 lb down and 334 lb up at 9-0-0, and 451 lb down and 334 lb up at 24-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

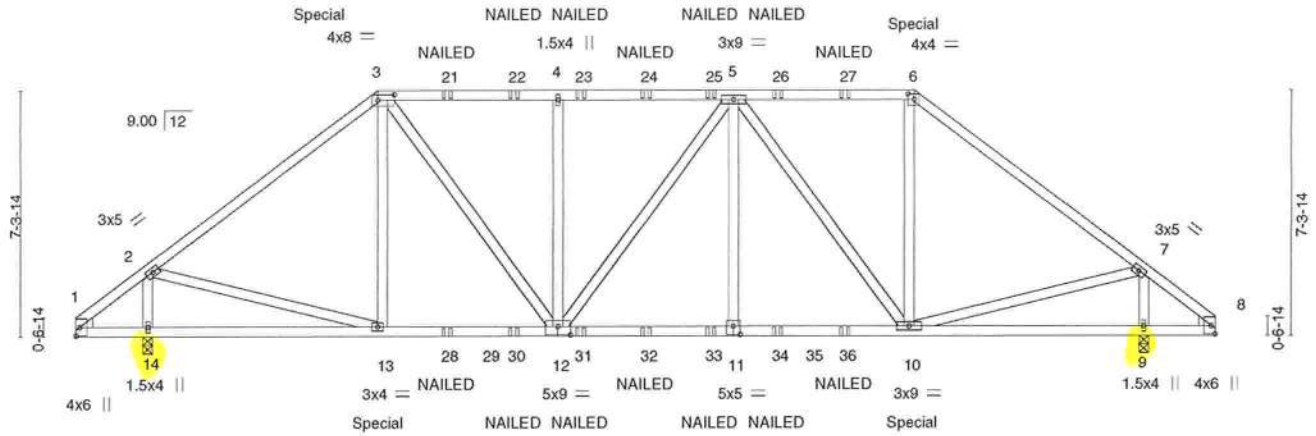
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B1GIR	HIP GIRDER	1	2	T15058596

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:59 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-FEs?L3w61b0FrbppwUoIjlGe1NdU_cFTNhcLXwyeRUo

2-1-12	9-0-0	14-4-9	19-7-7	25-0-0	31-10-4	34-0-0
2-1-12	6-10-4	5-4-9	5-2-13	5-4-9	6-10-4	2-1-12

Scale = 1:68.8



2-0-02-1-12	9-0-0	14-4-9	19-7-7	25-0-0	31-10-4	34-0-0 / 32-0-0
2-0-00-1-12	6-10-4	5-4-9	5-2-13	5-4-9	6-10-4	0-1-12 2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-6-0,0-2-0], [6:0-2-4,0-2-0], [8:0-1-0,0-4-7], [8:0-0-8,0-0-11], [11:0-2-8,0-3-0], [12:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.60	Vert(LL)	0.10	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.66	Vert(CT)	-0.16	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.44	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 425 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-8-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=3241/0-3-8, 9=3241/0-3-8
Max Horz 14=-137(LC 6)
Max Uplift 14=-1106(LC 8), 9=-1066(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3439/1308, 3-4=-3516/1411, 4-5=-3516/1411, 5-6=-2609/1098, 6-7=-3439/1312
BOT CHORD 12-13=-969/2584, 11-12=-1268/3515, 10-11=-1268/3515
WEBS 2-14=-3179/1097, 2-13=-964/2572, 3-12=-543/1593, 4-12=-628/138, 5-11=-288/669, 5-10=-1575/536, 6-10=-611/1335, 7-10=-966/2575, 7-9=-3179/1076

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; 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) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=1106, 9=1066.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 171 lb up at 9-0-0, and 212 lb down and 171 lb up at 25-0-0 on top chord, and 451 lb down and 334 lb up at 9-0-0, and 451 lb down and 334 lb up at 24-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B2	HIP	1	1	T15058597
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:01 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-Cc_mmlxMYDGy4vzC1vqmoAM?uBMuSXqlq?5SboyeRUm

2-1-12	6-6-14	11-0-0	17-0-0	23-0-0	27-5-2	31-10-4	34-0-0
2-1-12	4-5-2	4-5-2	6-0-0	6-0-0	4-5-2	4-5-2	2-1-12

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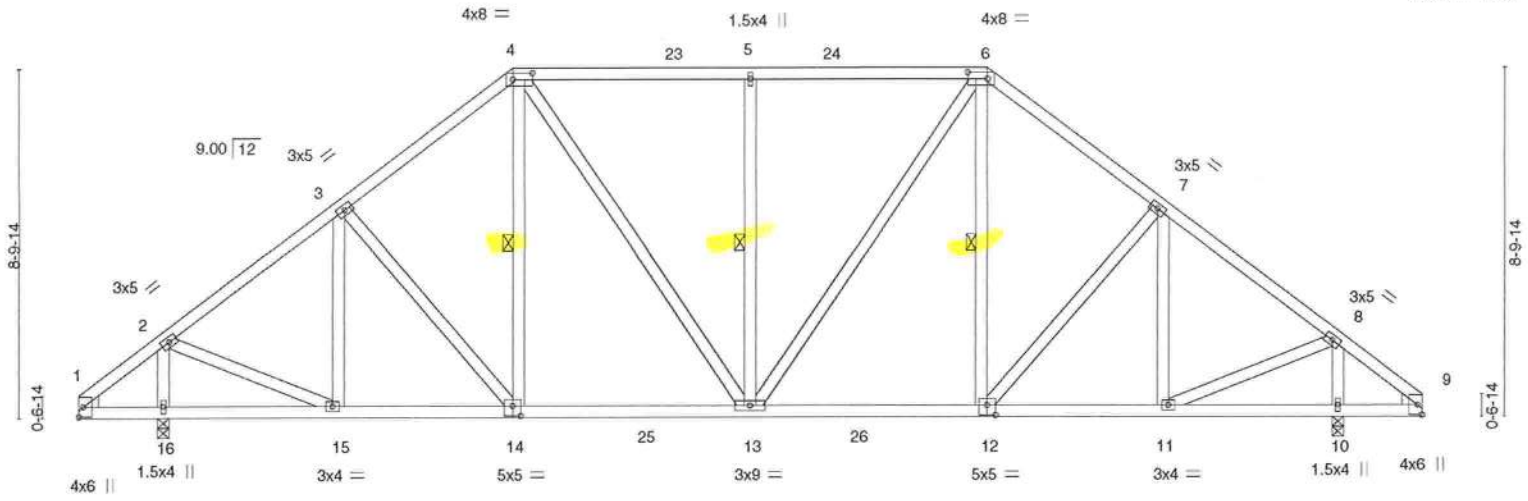


2-0-0	2-1-12	6-6-14	11-0-0	17-0-0	23-0-0	27-5-2	31-10-4	32-0-0	34-0-0
2-0-0	0-1-12	4-5-2	4-5-2	6-0-0	6-0-0	4-5-2	4-5-2	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [4:0-6-0,0-2-0], [6:0-6-0,0-2-0], [9:0-1-0,0-4-7], [9:0-0-8,0-0-11], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.51	Vert(LL)	-0.07	12-13	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.41	Vert(CT)	-0.13	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.37	Horz(CT)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 230 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-14, 5-13, 6-12

REACTIONS. (lb/size) 16=1870/0-3-8, 10=1870/0-3-8
Max Horz 16=-168(LC 10)
Max Uplift 16=-294(LC 12), 10=-254(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1580/736, 3-4=-1605/827, 4-5=-1437/822, 5-6=-1437/822, 6-7=-1605/827, 7-8=-1580/736
BOT CHORD 14-15=-459/1171, 13-14=-403/1184, 12-13=-403/1184, 11-12=-459/1171
WEBS 2-16=-1760/741, 2-15=-531/1314, 3-15=-437/107, 4-13=-202/540, 5-13=-606/176, 6-13=-202/540, 7-11=-437/107, 8-11=-531/1314, 8-10=-1760/741

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; 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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 16=294, 10=254.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

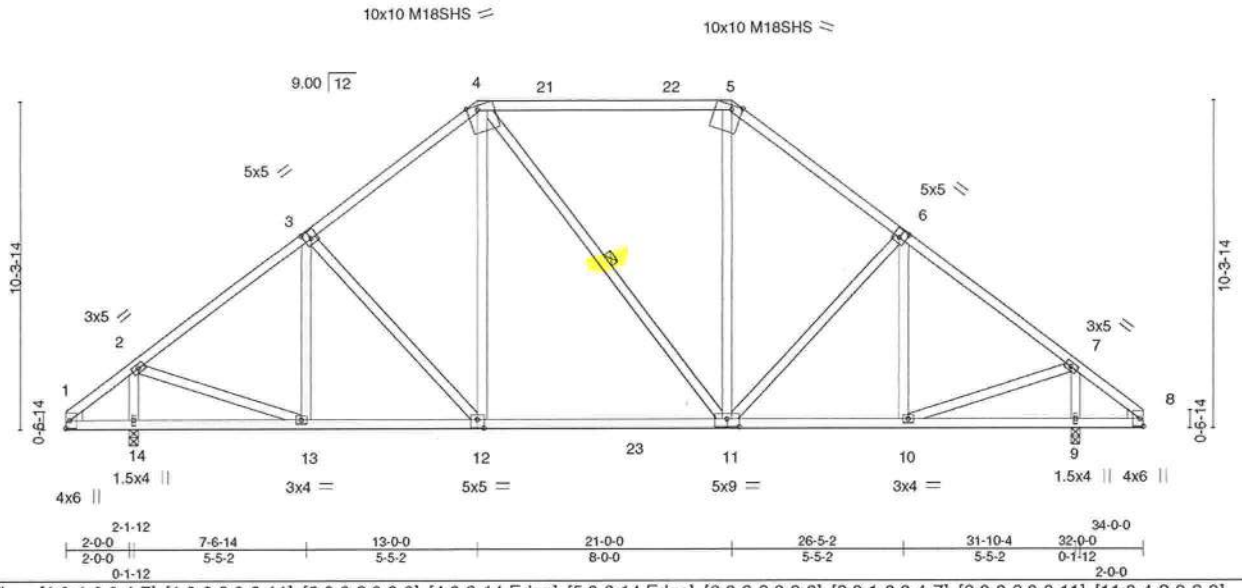
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B3	Hip	1	1	T15058598
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:02 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-gpY8z5y_JWOpi3YObcM?LNu6WafjBxVv3fq07FyeRUI

2-1-12	7-6-14	13-0-0	21-0-0	26-5-2	31-10-4	34-0-0
2-1-12	5-5-2	5-5-2	8-0-0	5-5-2	5-5-2	2-1-12

Scale = 1:72.7



2-1-12	7-6-14	13-0-0	21-0-0	26-5-2	31-10-4	34-0-0
2-0-0 / 0-1-12	5-5-2	5-5-2	8-0-0	5-5-2	5-5-2	32-0-0 / 0-1-12 / 2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-2-8,0-3-0], [4:0-3-14,Edge], [5:0-3-14,Edge], [6:0-2-8,0-3-0], [8:0-1-0,0-4-7], [8:0-0-8,0-0-11], [11:0-4-8,0-3-0], [12:0-2-8,0-3-4]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.78	Vert(LL)	-0.15	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.63	Vert(CT)	-0.26	11-12	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(CT)	0.04	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 221 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2 *Except*
4-5: 2x4 SP No.1
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-11

REACTIONS. (lb/size) 14=1870/0-3-8, 9=1870/0-3-8
Max Horz 14=-198(LC 10)
Max Uplift 14=-294(LC 12), 9=-254(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1668/763, 3-4=-1558/813, 4-5=-1135/707, 5-6=-1556/810, 6-7=-1668/764
BOT CHORD 12-13=-464/1220, 11-12=-349/1134, 10-11=-464/1220
WEBS 2-14=-1766/722, 2-13=-498/1289, 3-13=-340/42, 4-12=-302/339, 5-11=-302/340, 6-10=-328/40, 7-10=-499/1290, 7-9=-1766/723

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; 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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) except (jt=lb) 14=294, 9=254.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

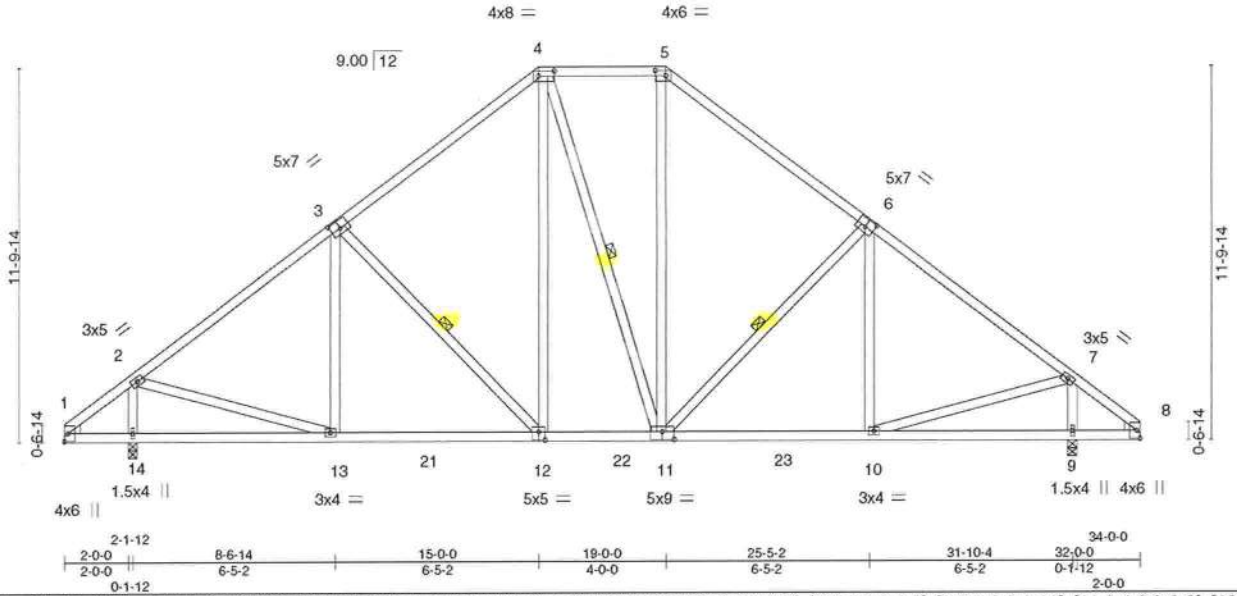
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B4	Hip	1	1	T15058599
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:03 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-8?6WBRzc4qWgKD6a9KtEubRL6_2lwK22lJaZghyeRUk

2-1-12	8-6-14	15-0-0	19-0-0	25-5-2	31-10-4	34-0-0
2-1-12	6-5-2	6-5-2	4-0-0	6-5-2	6-5-2	2-1-12

Scale = 1:72.9



2-1-12	8-6-14	15-0-0	19-0-0	25-5-2	31-10-4	34-0-0
2-0-0	6-5-2	6-5-2	4-0-0	6-5-2	6-5-2	32-0-0
2-0-0						0-1-12
0-1-12						2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-3-8,0-3-0], [4:0-6-0,0-2-0], [5:0-4-0,0-2-0], [6:0-3-8,0-3-0], [8:0-1-0,0-4-7], [8:0-0-8,0-0-11], [11:0-4-8,0-3-0], [12:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.53	Vert(LL)	0.09	12-13	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.45	Vert(CT)	-0.15	12-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 235 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-12, 4-11, 6-11

REACTIONS. (lb/size) 14=1870/0-3-8, 9=1870/0-3-8
Max Horz 14=228(LC 11)
Max Uplift 14=-294(LC 12), 9=-254(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1733/783, 3-4=-1481/774, 4-5=-1030/680, 5-6=-1478/771, 6-7=-1733/783
BOT CHORD 12-13=-465/1258, 11-12=-267/1029, 10-11=-465/1257
WEBS 2-14=-1771/711, 2-13=-473/1281, 3-12=-366/288, 4-12=-327/413, 5-11=-328/386, 6-11=-366/288, 7-10=-473/1281, 7-9=-1771/711

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=34ft; 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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 14=294, 9=254.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

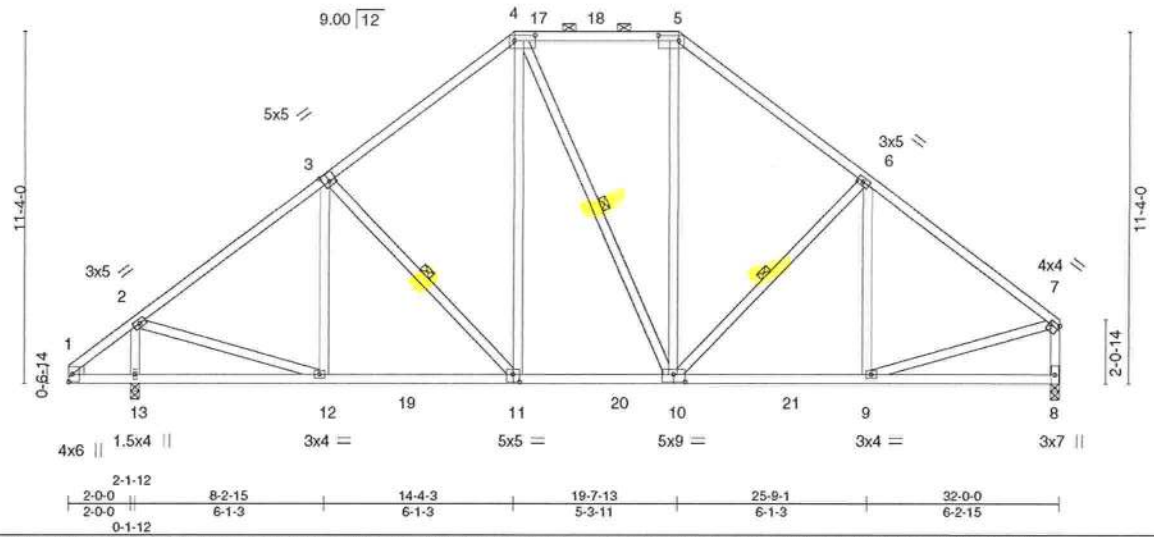
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B5	PIGGYBACK BASE	8	1	T15058600
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:04 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-cBguOn_Er8eXxMhni1OTQo_XfOOMfo9CXzJ6C7yeRUj

2-1-12	8-2-15	14-4-3	19-7-13	25-9-1	32-0-0
2-1-12	6-1-3	6-1-3	5-3-11	6-1-3	6-2-15

5x10 MT20HS = 5x10 MT20HS =

Scale = 1:74.4



2-1-12	8-2-15	14-4-3	19-7-13	25-9-1	32-0-0
2-0-0	6-1-3	6-1-3	5-3-11	6-1-3	6-2-15
0-1-12					

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-2-8,0-3-4], [4:0-8-0,0-2-0], [5:0-8-0,0-2-0], [7:Edge,0-1-8], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.48	Vert(LL)	0.07	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.42	Vert(CT)	-0.12	11-12	>999	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 223 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-2-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-11, 4-10, 6-10

REACTIONS. (lb/size) 13=1879/0-3-8, 8=1625/0-3-8
Max Horz 13=238(LC 11)
Max Uplift 13=-294(LC 12), 8=-255(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1725/799, 3-4=-1520/806, 4-5=-1077/705, 5-6=-1524/804, 6-7=-1752/811, 7-8=-1564/679
BOT CHORD 11-12=-571/1257, 10-11=-395/1071, 9-10=-576/1283
WEBS 2-13=-1778/732, 2-12=-501/1297, 3-12=-255/28, 3-11=-313/258, 4-11=-329/400, 5-10=-333/372, 6-10=-360/271, 7-9=-509/1215

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) except (jt=lb) 13=294, 8=255.
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.

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Date:

September 12,2018

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE 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.

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	B6	PIGGYBACK BASE	6	1	Job Reference (optional)	T15058601

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:05 2018 Page 1
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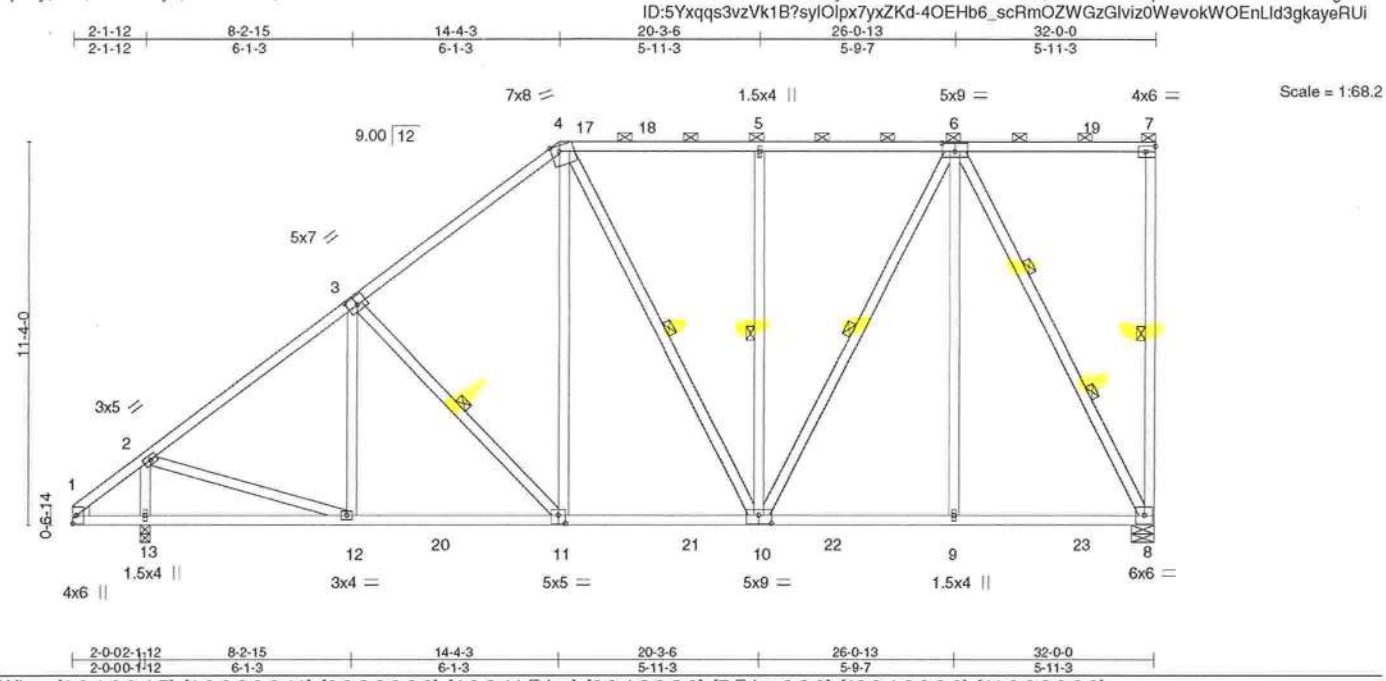

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-3-8,0-3-0], [4:0-2-14,Edge], [6:0-4-8,0-3-0], [7:Edge,0-2-0], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.70	Vert(LL)	0.10	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.43	Vert(CT)	-0.13	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 253 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-0-10 max.): 4-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 3-11, 4-10, 5-10, 6-10
2 Rows at 1/3 pts 6-8

REACTIONS. (lb/size) 8=1625/0-8-0, 13=1879/0-3-8
Max Horz 13=331(LC 11)
Max Uplift 8=-263(LC 12), 13=-285(LC 12)
Max Grav 8=1680(LC 20), 13=1879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1725/795, 3-4=-1521/804, 4-5=-1101/691, 5-6=-1101/691
BOT CHORD 12-13=-580/548, 11-12=-967/1320, 10-11=-779/1153, 9-10=-494/795, 8-9=-494/795
WEBS 2-13=-1777/728, 2-12=-497/1300, 3-12=-257/27, 3-11=-343/276, 4-11=-355/400, 5-10=-530/171, 6-10=-477/749, 6-9=-214/345, 6-8=-1597/853

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=263, 13=285.
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.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date: September 12,2018

6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	B7	PIGGYBACK BASE	2	1	Job Reference (optional)	T15058602

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:06 2018 Page 1
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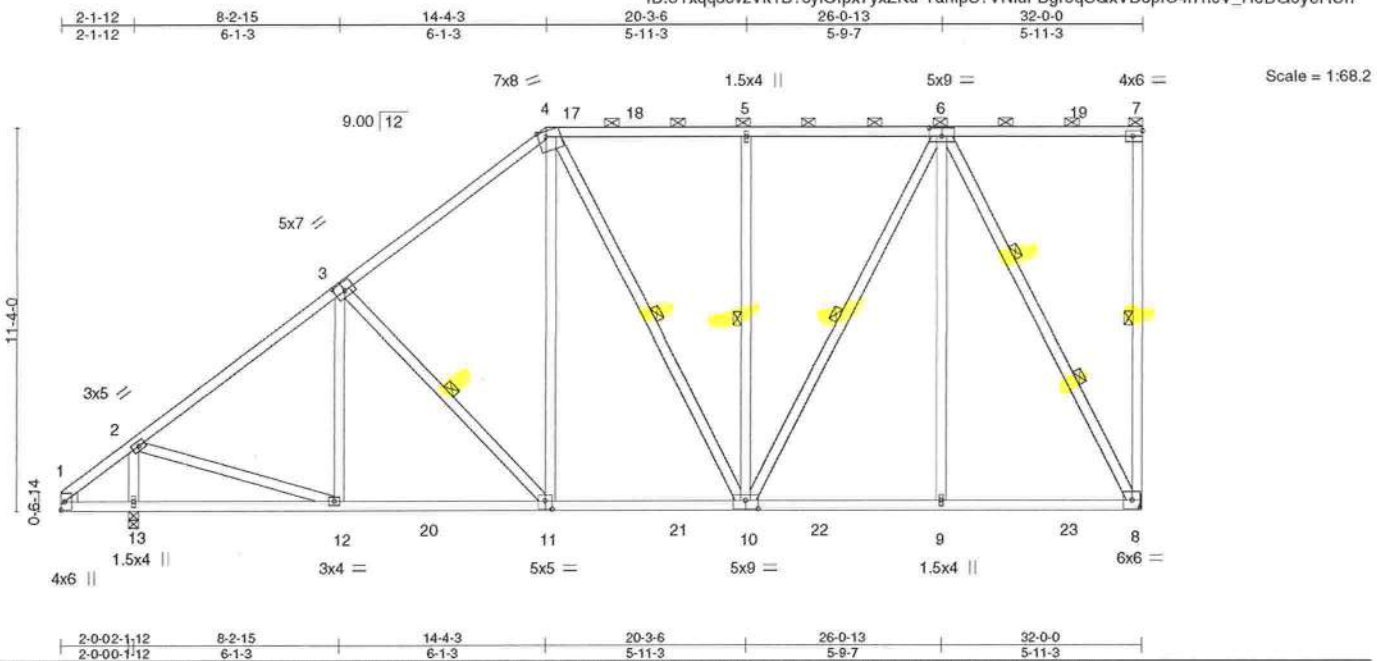

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-3-8,0-3-0], [4:0-2-14,Edge], [6:0-4-8,0-3-0], [7:Edge,0-2-0], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.70	Vert(LL)	0.10	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.43	Vert(CT)	-0.13	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.83	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 253 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-0-10 max.): 4-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 3-11, 4-10, 5-10, 6-10
2 Rows at 1/3 pts 6-8

REACTIONS. (lb/size) 8=1625/Mechanical, 13=1879/0-3-8
Max Horz 13=331(LC 11)
Max Uplift 8=-263(LC 12), 13=-285(LC 12)
Max Grav 8=1680(LC 20), 13=1879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1725/795, 3-4=-1521/804, 4-5=-1101/691, 5-6=-1101/691
BOT CHORD 12-13=-580/548, 11-12=-967/1320, 10-11=-779/1153, 9-10=-494/795, 8-9=-494/795
WEBS 2-13=-1777/728, 2-12=-497/1300, 3-12=-257/27, 3-11=-343/276, 4-11=-355/400, 5-10=-530/171, 6-10=-477/749, 6-9=-214/345, 6-8=-1597/853

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
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) except (jt=lb) 8=263, 13=285.
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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Date: September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little	T15058603
DONALD_LITTLE	B8	HALF HIP	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:07 2018 Page 1
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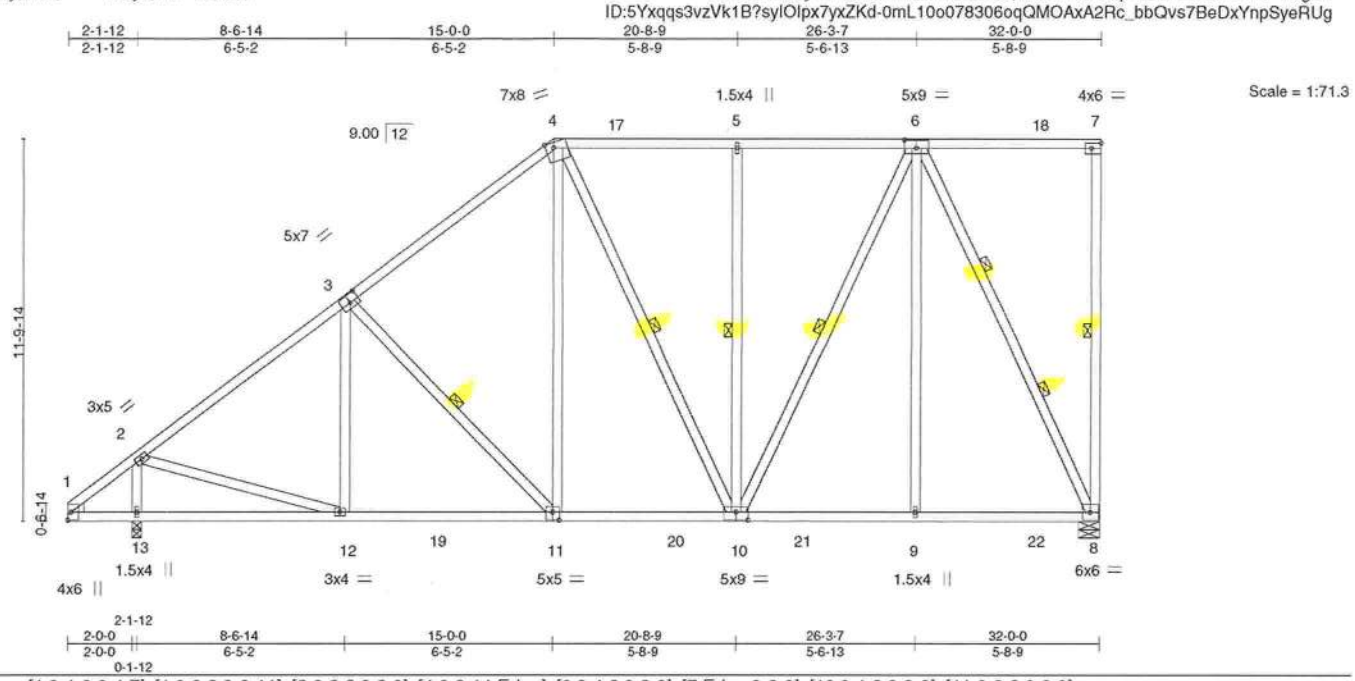

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-3-8,0-3-0], [4:0-2-14,Edge], [6:0-4-8,0-3-0], [7:Edge,0-2-0], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.76	Vert(LL)	0.10	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.43	Vert(CT)	-0.13	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.89	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 259 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 3-11, 4-10, 5-10, 6-10
2 Rows at 1/3 pts 6-8

REACTIONS. (lb/size) 8=1625/0-8-0, 13=1879/0-3-8
Max Horz 13=346(LC 11)
Max Uplift 8=-264(LC 12), 13=-284(LC 12)
Max Grav 8=1685(LC 20), 13=1879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1742/799, 3-4=-1494/792, 4-5=-1044/668, 5-6=-1044/668
BOT CHORD 12-13=-614/583, 11-12=-981/1331, 10-11=-769/1126, 9-10=-474/745, 8-9=-474/745
WEBS 2-13=-1778/722, 2-12=-484/1298, 3-11=-382/308, 4-11=-378/439, 5-10=-504/164, 6-10=-497/774, 6-9=-216/335, 6-8=-1589/857

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=264, 13=284.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B9	Half Hip	1	1	T15058604
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:08 2018 Page 1
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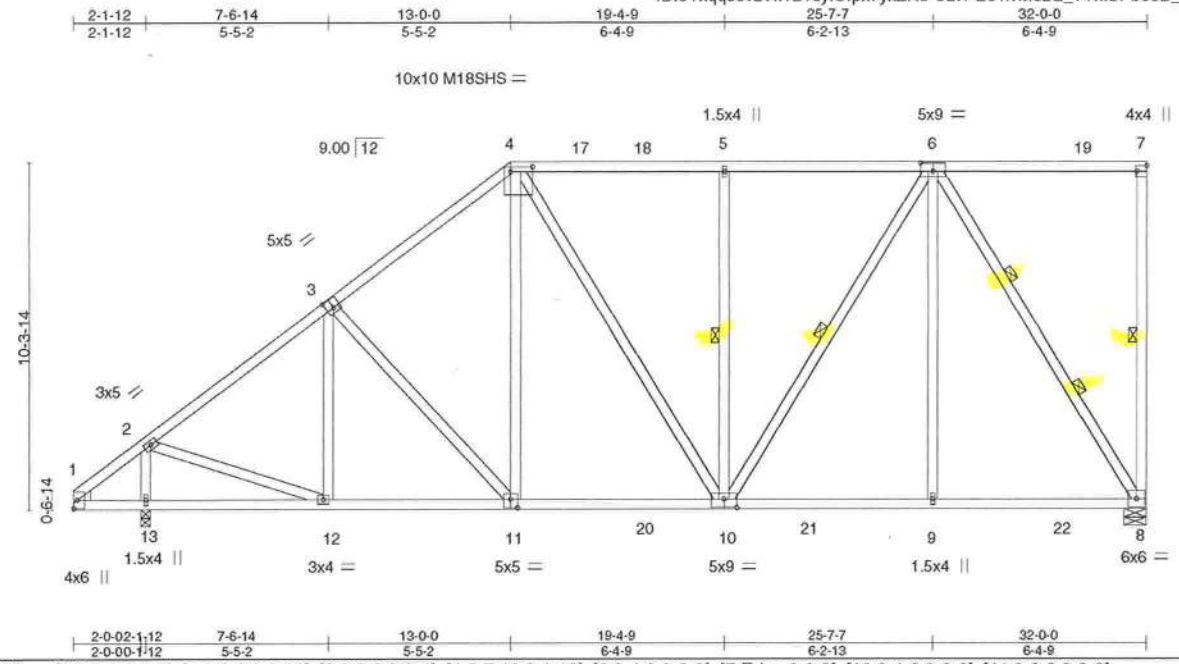

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-2-8,0-3-4], [4:0-7-12,0-1-12], [6:0-4-8,0-3-0], [7:Edge,0-3-8], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	0.11	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.47	Vert(CT)	-0.15	10-11	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.75	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 240 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 5-10, 6-10
2 Rows at 1/3 pts 6-8

REACTIONS. (lb/size) 8=1625/0-8-0, 13=1879/0-3-8
Max Horz 13=301(LC 11)
Max Uplift 8=-262(LC 12), 13=-287(LC 12)
Max Grav 8=1656(LC 20), 13=1879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1680/783, 3-4=-1568/826, 4-5=-1216/743, 5-6=-1216/743
BOT CHORD 12-13=-511/478, 11-12=-933/1244, 10-11=-795/1177, 9-10=-543/905, 8-9=-543/905
WEBS 2-13=-1774/740, 2-12=-519/1309, 3-12=-338/34, 3-11=-260/207, 4-11=-306/308, 5-10=-581/184, 6-10=-436/696, 6-9=-210/364, 6-8=-1617/857

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=262, 13=287.
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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Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B10	HALF HIP	1	1	T15058605
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:54 2018 Page 1
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2-1-12	6-6-14	11-0-0	18-0-9	24-11-7	32-0-0
2-1-12	4-5-2	4-5-2	7-0-9	6-10-13	7-0-9

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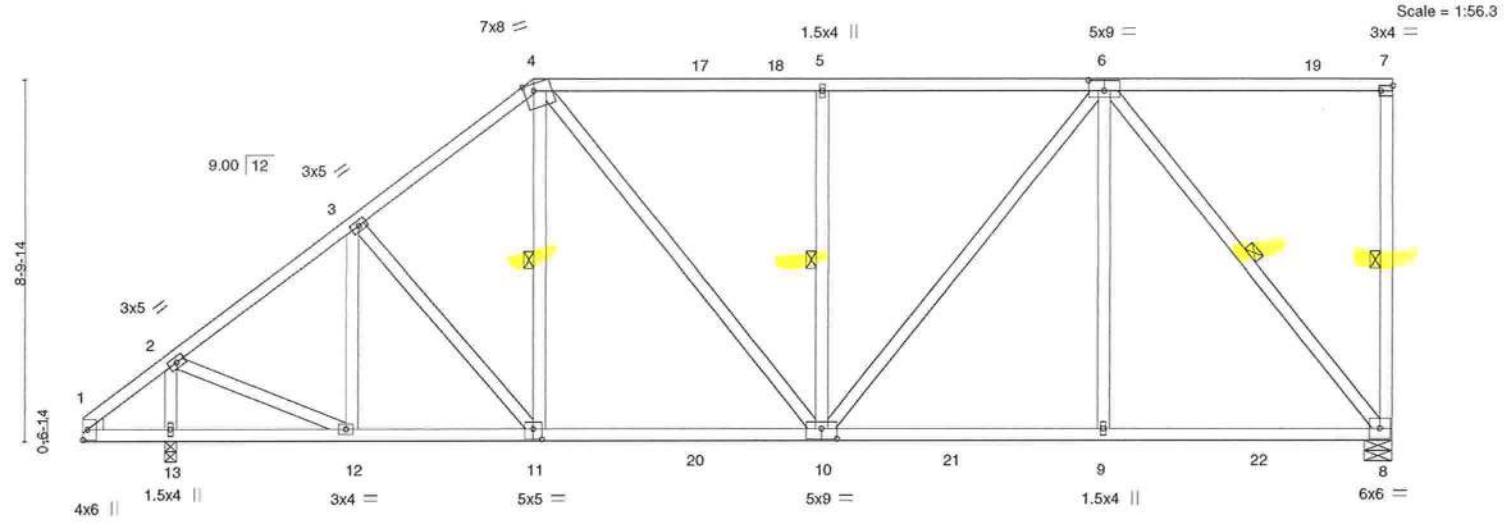

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2-0-00-1-12	4-5-2	4-5-2	7-0-9	6-10-13	7-0-9

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [4:0-2-14,Edge], [6:0-4-8,0-3-0], [7:Edge,0-1-8], [10:0-4-8,0-3-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.63	Vert(LL)	0.12	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.55	Vert(CT)	-0.19	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.92	Horz(CT)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 222 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 7-8, 4-11, 5-10, 6-8

REACTIONS. (lb/size) 8=1625/0-8-0, 13=1879/0-3-8
Max Horz 13=255(LC 11)
Max Uplift 8=-260(LC 12), 13=-289(LC 12)
Max Grav 8=1638(LC 20), 13=1879(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1587/752, 3-4=-1617/848, 4-5=-1456/842, 5-6=-1456/842, 7-8=-268/103
BOT CHORD 12-13=-413/378, 11-12=-868/1187, 10-11=-807/1240, 9-10=-638/1127, 8-9=-638/1127
WEBS 2-13=-1768/754, 2-12=-543/1315, 3-12=-443/115, 4-10=-185/505, 5-10=-659/204, 6-10=-379/622, 6-9=-212/387, 6-8=-1708/885

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=260, 13=289.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

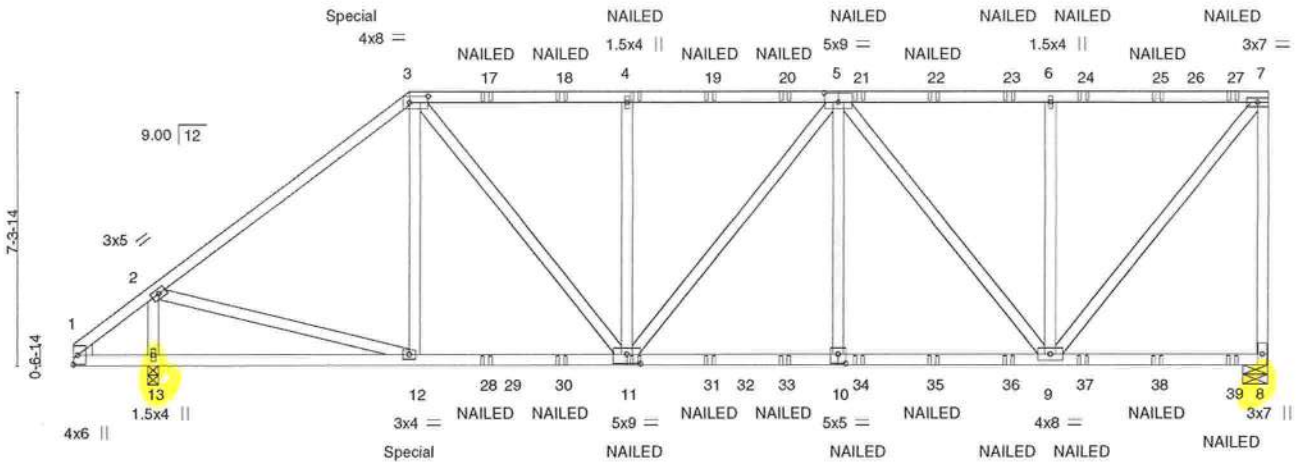
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B11GIR	Half Hip Girder	1	2	T15058606

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:57 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-JrIFwNurV_mXbIfRo3mqeKBlhZwuWhJAwN7FS1yeRUq

2-1-12	9-0-0	14-9-14	20-6-0	26-2-2	32-0-0
2-1-12	6-10-4	5-9-14	5-8-2	5-8-2	5-9-14

Scale = 1:61.8



2-0-02-1-12	9-0-0	14-9-14	20-6-0	26-2-2	32-0-0
2-0-00-1-12	6-10-4	5-9-14	5-8-2	5-8-2	5-9-14

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-6-0,0-2-0], [5:0-4-8,0-3-0], [10:0-2-8,0-3-0], [11:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	0.11	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.73	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 427 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=3355/0-8-0, 13=3228/0-3-8
Max Horz 13=210(LC 7)
Max Uplift 8=-1194(LC 8), 13=-1072(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3428/1268, 3-4=-3540/1365, 4-5=-3540/1365, 5-6=-2271/880, 6-7=-2271/880, 7-8=-3061/1066
BOT CHORD 11-12=-974/2577, 10-11=-1153/3395, 9-10=-1153/3395
WEBS 2-13=-3177/1068, 2-12=-933/2572, 3-12=-229/254, 3-11=-490/1568, 4-11=-692/148, 5-10=-279/664, 5-9=-1789/655, 6-9=-689/161, 7-9=-1275/3570

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=1194, 13=1072.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 171 lb up at 9-0-0 on top chord, and 451 lb down and 375 lb up at 9-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Philip J. O'Regan PE No.58126
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6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

LOAD CASE(S) Standard

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

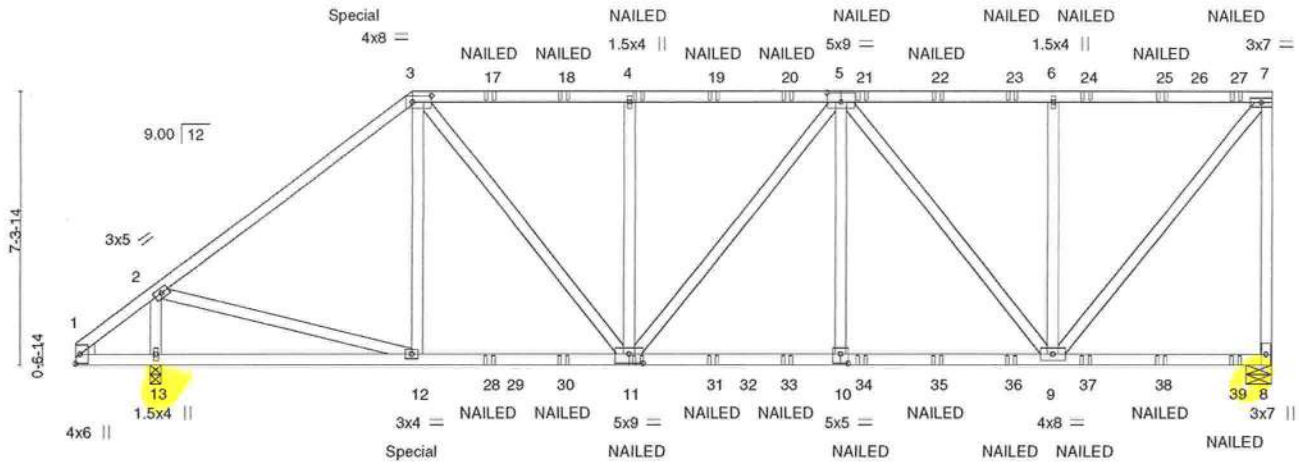
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	B11GIR	Half Hip Girder	1	2	T15058606

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:44:57 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-JrlFwNurV_mXbIfRo3mqeKBlhZwuWhJAwN7FS1yeRUq

2-1-12	9-0-0	14-9-14	20-6-0	26-2-2	32-0-0
2-1-12	6-10-4	5-9-14	5-8-2	5-8-2	5-9-14

Scale = 1:61.8



2-0-02-1-12	9-0-0	14-9-14	20-6-0	26-2-2	32-0-0
2-0-00-1-12	6-10-4	5-9-14	5-8-2	5-8-2	5-9-14

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-6-0,0-2-0], [5:0-4-8,0-3-0], [10:0-2-8,0-3-0], [11:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	0.11	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.73	Vert(CT)	-0.18	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.54	Horz(CT)	0.04	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 427 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 8=3355/0-8-0, 13=3228/0-3-8
Max Horz 13=210(LC 7)
Max Uplift 8=-1194(LC 8), 13=-1072(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-3428/1268, 3-4=-3540/1365, 4-5=-3540/1365, 5-6=-2271/880, 6-7=-2271/880, 7-8=-3061/1066
BOT CHORD 11-12=-974/2577, 10-11=-1153/3395, 9-10=-1153/3395
WEBS 2-13=-3177/1068, 2-12=-933/2572, 3-12=-229/254, 3-11=-490/1568, 4-11=-692/148, 5-10=-279/664, 5-9=-1789/655, 6-9=-689/161, 7-9=-1275/3570

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=1194, 13=1072.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 171 lb up at 9-0-0 on top chord, and 451 lb down and 375 lb up at 9-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

LOAD CASE(S) Standard

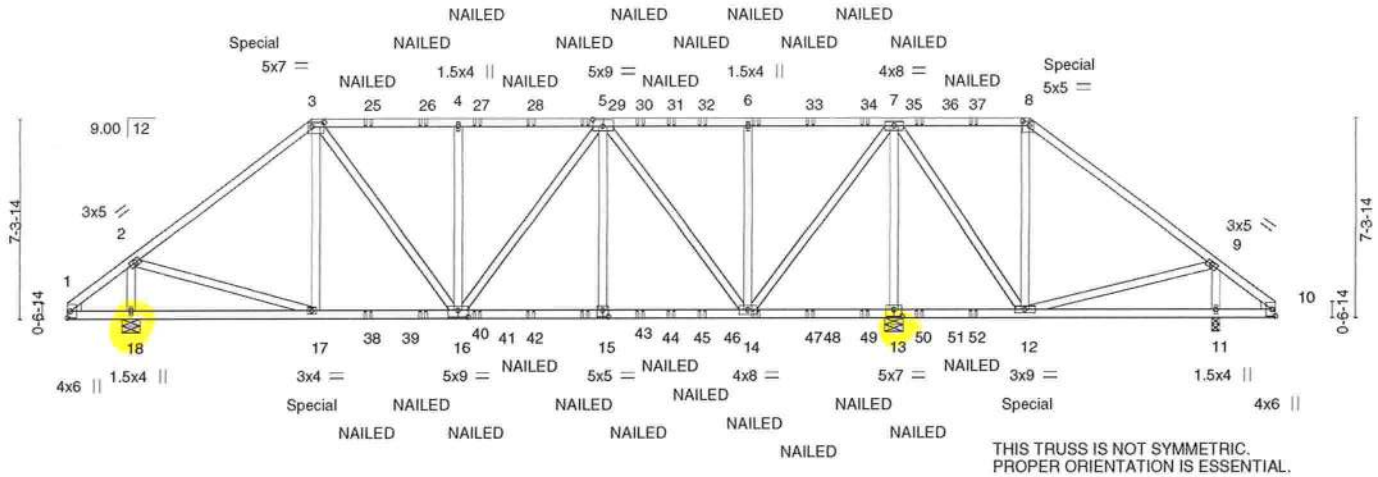
Continued on page 2

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	C1GE	HIP GIRDER	1	2	T15058607
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:13 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-rwilHs5ukvnFWItVkQ2alis3C0PeGriWbt?506yeRUa

2-4-0	9-0-0	14-4-4	19-8-8	25-0-12	30-5-0	35-5-0	42-3-4	44-5-0
2-4-0	6-8-0	5-4-4	5-4-4	5-4-4	5-4-4	5-0-0	6-10-4	2-1-12

Scale = 1:84.8



2-4-0	9-0-0	14-4-4	19-8-8	25-0-12	30-5-0	35-5-0	42-3-4	44-5-0
2-0-0	6-8-0	5-4-4	5-4-4	5-4-4	5-4-4	5-0-0	6-10-4	0-1-12
0-4-0								2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-5-4,0-2-0], [5:0-4-8,0-3-0], [8:0-3-0,0-2-0], [10:0-0-8,0-0-11], [10:0-1-0,0-4-7], [13:0-3-8,0-3-0], [15:0-2-8,0-3-0], [16:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.49	Vert(LL)	0.11	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.67	Vert(CT)	-0.17	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 576 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14,12-13.

REACTIONS. (lb/size) 18=2931/0-8-0, 13=5337/0-8-0, 11=717/0-3-8
Max Horz 18=-142(LC 23)
Max Uplift 18=-841(LC 8), 13=-1849(LC 8), 11=-132(LC 8)
Max Grav 18=2931(LC 1), 13=5337(LC 1), 11=728(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2955/1017, 3-4=-2897/1060, 4-5=-2897/1060, 5-6=-1439/565, 6-7=-1439/565, 8-9=-345/183
BOT CHORD 16-17=-745/2203, 15-16=-849/2673, 14-15=-849/2673, 13-14=-764/337, 12-13=-764/337
WEBS 2-18=-2864/923, 2-17=-775/2244, 3-16=-359/1206, 4-16=-632/135, 5-16=-130/370, 5-15=-297/757, 5-14=-2040/690, 6-14=-604/143, 7-14=-1220/3635, 7-13=-4732/1596, 7-12=-599/1504, 8-12=-561/74, 9-11=-683/149

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=841, 13=1849, 11=132.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 172 lb up at 9-0-0, and 212 lb down and 172 lb up at 35-5-0 on top chord, and 451 lb down and 375 lb up at 9-0-0, and 451 lb down and 334 lb up at 35-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

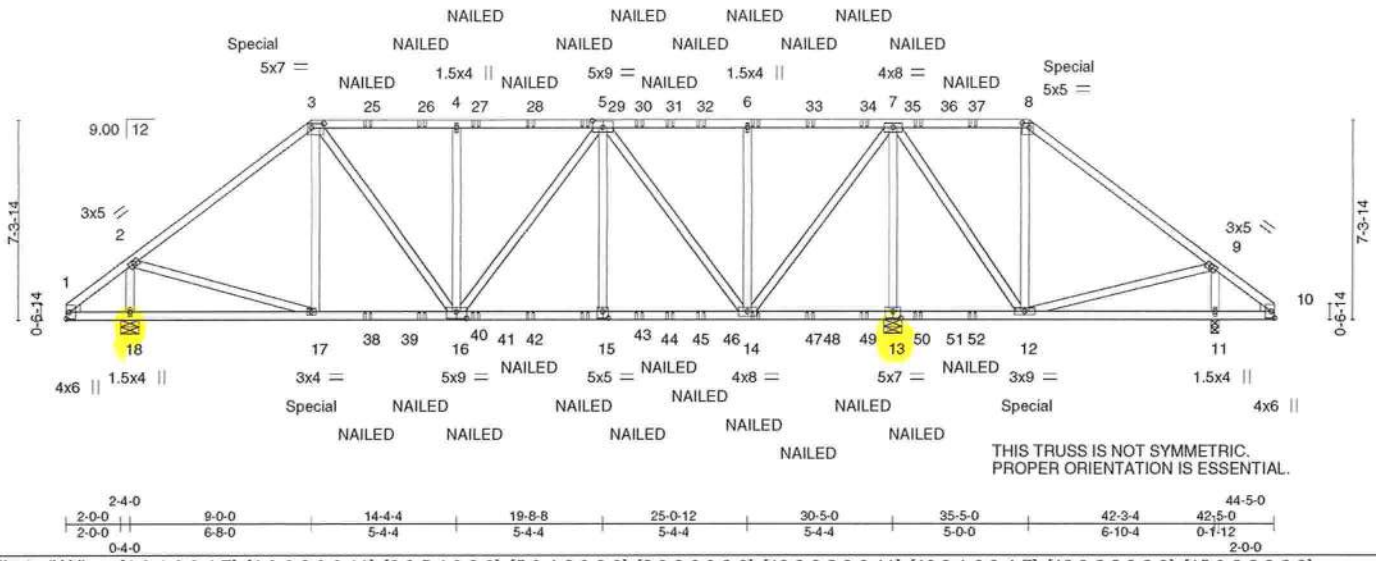
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	C1GE	HIP GIRDER	1	2	T15058607

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:13 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-rwilHs5ukvnFWltVkQ2alis3C0PeGriWbt?506yeRUa

2-4-0	9-0-0	14-4-4	19-8-8	25-0-12	30-5-0	35-5-0	42-3-4	44-5-0
2-4-0	6-8-0	5-4-4	5-4-4	5-4-4	5-4-4	5-0-0	6-10-4	2-1-12

Scale = 1:84.8



2-4-0	9-0-0	14-4-4	19-8-8	25-0-12	30-5-0	35-5-0	42-3-4	44-5-0
2-0-0	6-8-0	5-4-4	5-4-4	5-4-4	5-4-4	5-0-0	6-10-4	0-1-12
0-4-0								2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-5-4,0-2-0], [5:0-4-8,0-3-0], [8:0-3-0,0-2-0], [10:0-0-8,0-0-11], [10:0-1-0,0-4-7], [13:0-3-8,0-3-0], [15:0-2-8,0-3-0], [16:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.49	Vert(LL)	0.11	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.67	Vert(CT)	-0.17	14-15	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.89	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 576 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 13-14,12-13.

REACTIONS. (lb/size) 18=2931/0-8-0, 13=5337/0-8-0, 11=717/0-3-8
Max Horz 18=-142(LC 23)
Max Uplift 18=-841(LC 8), 13=-1849(LC 8), 11=-132(LC 8)
Max Grav 18=2931(LC 1), 13=5337(LC 1), 11=728(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2955/1017, 3-4=-2897/1060, 4-5=-2897/1060, 5-6=-1439/565, 6-7=-1439/565, 8-9=-345/183
BOT CHORD 16-17=-745/2203, 15-16=-849/2673, 14-15=-849/2673, 13-14=-764/337, 12-13=-764/337
WEBS 2-18=-2864/923, 2-17=-775/2244, 3-16=-359/1206, 4-16=-632/135, 5-16=-130/370, 5-15=-297/757, 5-14=-2040/690, 6-14=-604/143, 7-14=-1220/3635, 7-13=-4732/1596, 7-12=-599/1504, 8-12=-561/74, 9-11=-683/149

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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 18=841, 13=1849, 11=132.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 212 lb down and 172 lb up at 9-0-0, and 212 lb down and 172 lb up at 35-5-0 on top chord, and 451 lb down and 375 lb up at 9-0-0, and 451 lb down and 334 lb up at 35-4-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

PHILIP J. O'REGAN LICENSE No 58126 STATE OF FLORIDA PROFESSIONAL ENGINEER

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

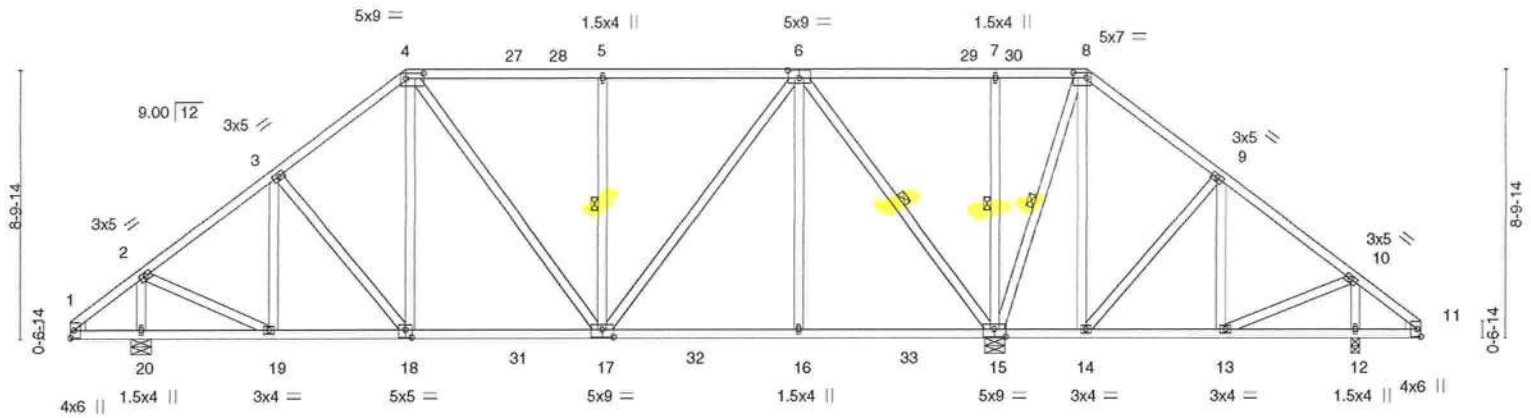
MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	C2	Hip	1	1	Job Reference (optional)	T15058608

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:14 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-J6GgUB5WUCv68vSil8ZpqvOCdQoy?HmgqXkeZYyeRUZ

2-4-0	6-8-0	11-0-0	17-5-11	23-11-5	30-5-0	33-5-0	37-10-2	42-3-4	44-5-0
2-4-0	4-4-0	4-4-0	6-5-11	6-5-11	6-5-11	3-0-0	4-5-2	4-5-2	2-1-12

Scale = 1:75.7



THIS TRUSS IS NOT SYMMETRIC.
PROPER ORIENTATION IS ESSENTIAL.

2-0-0 2-4-0	6-8-0	11-0-0	17-5-11	23-11-5	30-5-0	33-5-0	37-10-2	42-3-4	42-5-0	44-5-0
2-0-0 0-4-0	4-4-0	4-4-0	6-5-11	6-5-11	6-5-11	3-0-0	4-5-2	4-5-2	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [4:0-7-0,0-2-0], [6:0-4-8,0-3-0], [8:0-5-4,0-2-0], [11:0-0-8,0-0-11], [11:0-1-0,0-4-7], [15:0-4-8,0-3-0], [17:0-4-8,0-3-0], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.58	Vert(LL)	-0.07	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.41	Vert(CT)	-0.14	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.90	Horz(CT)	0.03	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 315 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 5-17, 6-15, 7-15, 8-15

REACTIONS. (lb/size) 20=1647/0-8-0, 15=2716/0-8-0, 12=523/0-3-8
Max Horz 20=-174(LC 10)
Max Uplift 20=-37(LC 12), 15=-116(LC 12), 12=-91(LC 12)
Max Grav 20=1658(LC 21), 15=2716(LC 1), 12=560(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1279/190, 3-4=-1280/272, 4-5=-1021/275, 5-6=-1021/275, 6-7=0/521, 7-8=0/520, 8-9=0/461
BOT CHORD 18-19=-18/1014, 17-18=0/1003, 16-17=0/596, 15-16=0/596, 14-15=-290/141
WEBS 2-20=-1548/278, 2-19=-90/1095, 3-19=-390/91, 4-17=-21/259, 5-17=-618/184, 6-17=-111/795, 6-16=0/350, 6-15=-1766/240, 7-15=-490/137, 8-15=-817/296, 8-14=-280/343, 9-14=-401/241, 10-12=-477/227

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 20, 12 except (jt=lb) 15=116.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

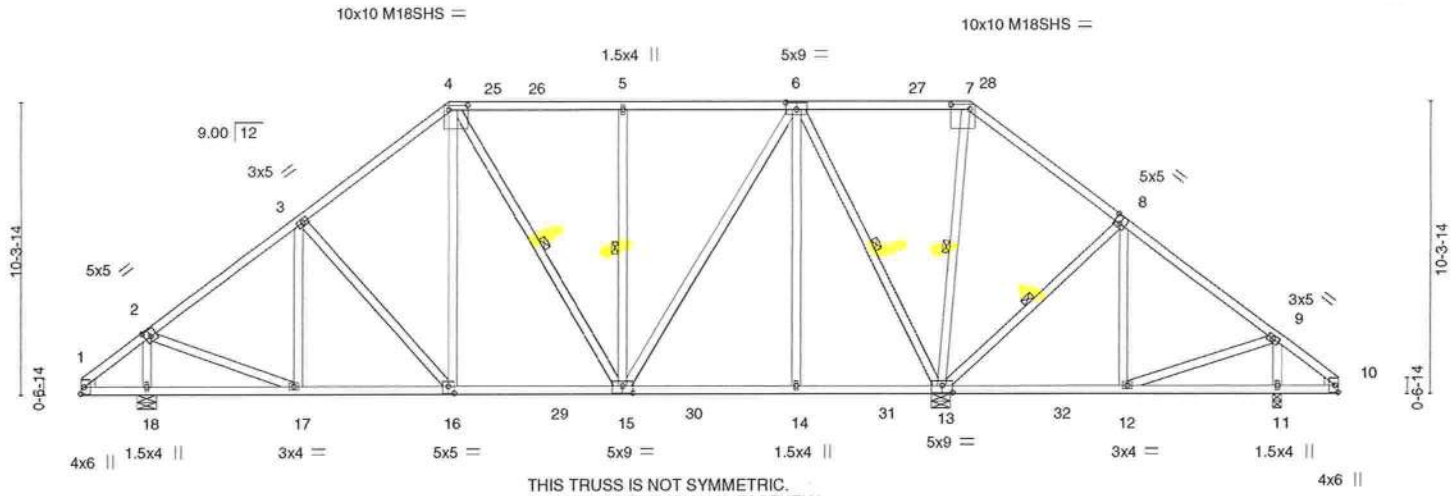
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	C3	Hip	1	1	T15058609
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:15 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-nJq3iX68FW1zm31usr52N6xOoq8KkjvpBUC5_yeRUY

2-4-0	7-8-0	13-0-0	19-1-11	25-3-5	31-5-0	36-10-2	42-3-4	44-5-0
2-4-0	5-4-0	5-4-0	6-1-11	6-1-11	6-1-11	5-5-2	5-5-2	2-1-12

Scale = 1:81.5



2-0-0	2-4-0	7-8-0	13-0-0	19-1-11	25-3-5	30-5-0	30-5-3	36-10-2	42-3-4	42-5-0	44-5-0
2-0-0	0-4-0	5-4-0	5-4-0	6-1-11	6-1-11	5-1-11	0-0-3	6-4-15	5-5-2	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [4:0-8-0,0-2-0], [6:0-4-8,0-3-0], [7:0-8-0,0-2-0], [8:0-2-8,0-3-4], [10:0-0-8,0-0-11], [10:0-1-0,0-4-7], [13:0-4-8,0-3-0], [15:0-4-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.07	15-16	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.40	Vert(CT)	-0.12	15-16	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.98	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 314 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-15, 5-15, 6-13, 7-13, 8-13

REACTIONS. (lb/size) 18=1671/0-8-0, 13=2650/0-8-0, 11=566/0-3-8
Max Horz 18=-205(LC 10)
Max Uplift 18=-31(LC 12), 13=-134(LC 12), 11=-77(LC 12)
Max Grav 18=1690(LC 21), 13=2650(LC 1), 11=615(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1395/193, 3-4=-1271/274, 4-5=-859/260, 5-6=-859/260, 6-7=0/411, 7-8=0/549
BOT CHORD 16-17=-5/1096, 15-16=0/970, 14-15=0/436, 13-14=0/436
WEBS 2-18=-1581/282, 2-17=-62/1082, 3-17=-291/90, 3-16=-261/135, 4-16=-32/342, 5-15=-582/171, 6-15=-138/907, 6-14=0/306, 6-13=-1711/233, 7-13=-735/122, 8-13=-497/332, 9-11=-537/207

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) 18, 11 except (jt=lb) 13=134.
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.

Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:

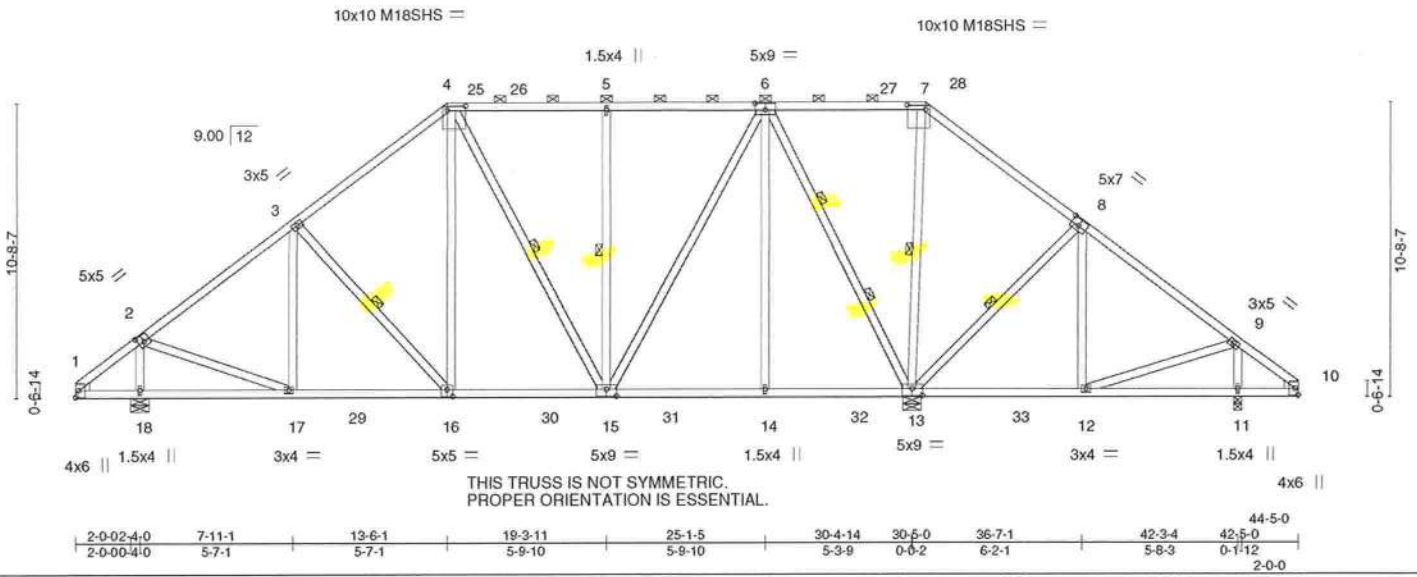
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little	T15058610
DONALD_LITTLE	C4	PIGGYBACK BASE	2	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:17 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-khyp7D8On7Hh?MBHzG7WSX0jldrQCgf6WVzl9tyeRUW

2-4-0	7-11-1	13-6-1	19-3-11	25-1-5	30-10-15	36-7-1	42-3-4	44-5-0
2-4-0	5-7-1	5-7-1	5-9-10	5-9-10	5-9-10	5-8-3	5-8-3	2-1-12

Scale = 1:83.8



2-0-0	2-4-0	7-11-1	13-6-1	19-3-11	25-1-5	30-4-14	30-5-0	36-7-1	42-3-4	42-5-0	44-5-0
2-0-0	2-0-0	5-7-1	5-7-1	5-9-10	5-9-10	5-3-9	0-0-2	6-2-1	5-8-3	0-1-12	2-0-0

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [4:0-8-0,0-2-0], [6:0-4-8,0-3-0], [7:0-8-0,0-2-0], [8:0-3-8,0-3-0], [10:0-0-8,0-0-11], [10:0-1-0,0-4-7], [13:0-4-8,0-3-0], [15:0-4-8,0-3-0], [16:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	-0.06	15-16	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.36	Vert(CT)	-0.11	15-16	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.77	Horz(CT)	0.03	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 319 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-9-15 max.): 4-7.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-16, 4-15, 5-15, 7-13, 8-13
2 Rows at 1/3 pts 6-13

REACTIONS. (lb/size) 18=1675/0-8-0, 13=2627/0-8-0, 11=583/0-3-8
Max Horz 18=213(LC 11)
Max Uplift 18=-31(LC 12), 13=-136(LC 12), 11=-76(LC 12)
Max Grav 18=1695(LC 21), 13=2627(LC 1), 11=635(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1416/194, 3-4=-1260/277, 4-5=-827/262, 5-6=-827/262, 6-7=0/378, 7-8=0/547, 8-9=-259/182
BOT CHORD 16-17=-3/1158, 15-16=0/980, 14-15=0/453, 13-14=0/453
WEBS 2-18=-1587/286, 2-17=-57/1080, 3-17=-267/91, 3-16=-294/145, 4-16=-40/405, 5-15=-548/160, 6-15=-135/901, 6-14=0/304, 6-13=-1687/223, 7-13=-726/117, 8-13=-518/345, 9-11=-554/203

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) 18, 11 except (jt=lb) 13=136.
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.

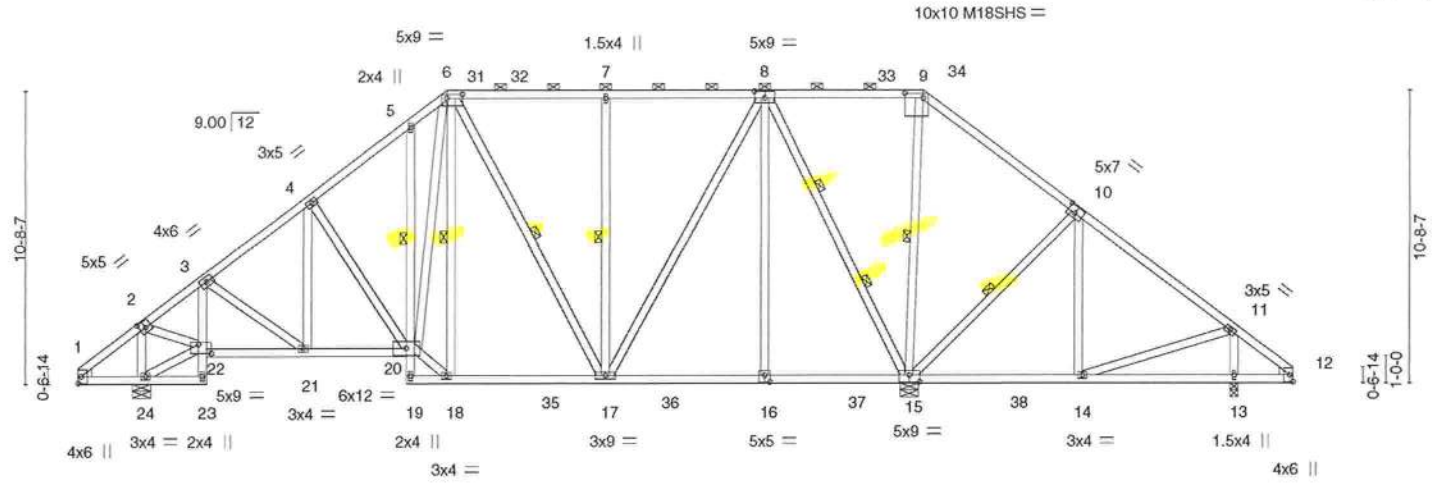
Philip J. O'Regan PE No.58126
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little	T15058611
DONALD_LITTLE	C5	PIGGYBACK BASE	6	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:18 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-CuWBKZ80YRPYdWmTXzel?lZuE1Bkx6lGl9isiJyeRUV

2-4-0	4-8-8	8-4-8	12-0-8	13-6-1	19-3-11	25-1-5	30-10-15	36-7-1	42-3-4	44-5-0
2-4-0	2-4-8	3-8-0	3-8-0	1-5-9	5-9-10	5-9-10	5-9-10	5-8-3	5-8-3	2-1-12

Scale = 1:84.3



2-4-0	4-8-8	8-4-8	12-0-8	13-6-1	19-3-11	25-1-5	30-4-12	30-5-0	36-7-1	42-3-4	42-5-0	44-5-0
2-0-0	2-4-8	3-8-0	3-8-0	1-5-9	5-9-10	5-9-10	5-3-8	0-0-4	6-2-1	5-8-3	0-1-12	2-0-0
0-4-0												

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [6:0-6-12,0-1-12], [8:0-4-8,0-3-0], [9:0-8-0,0-2-0], [10:0-3-8,0-3-0], [12:0-0-8,0-0-11], [12:0-1-0,0-4-7], [15:0-4-8,0-3-0], [16:0-2-8,0-3-0], [22:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.60	Vert(LL)	-0.05	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.35	Vert(CT)	-0.10	17-18	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.78	Horz(CT)	0.06	15	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 355 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (6-0-0 max.): 6-9.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-20
WEBS 1 Row at midpt 6-18, 6-17, 7-17, 9-15, 10-15
2 Rows at 1/3 pts 8-15

REACTIONS. (lb/size) 24=1639/0-8-0, 15=2748/0-8-0, 13=499/0-3-8
Max Horz 24=-213(LC 10)
Max Uplift 24=-33(LC 12), 15=-129(LC 12), 13=-81(LC 8)
Max Grav 24=1658(LC 21), 15=2748(LC 1), 13=581(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1401/125, 3-4=-1524/213, 4-5=-1337/267, 5-6=-1203/329, 6-7=-764/261, 7-8=-764/261, 8-9=0/481, 9-10=0/665, 10-11=-196/283
BOT CHORD 3-22=-396/107, 21-22=-42/1247, 20-21=0/1243, 17-18=0/912, 16-17=-18/361, 15-16=-18/361
WEBS 2-24=-1492/189, 22-24=-258/187, 2-22=-73/1187, 4-20=-328/118, 18-20=0/1029, 6-20=-98/930, 6-18=-411/11, 7-17=-540/166, 8-17=-138/923, 8-16=0/307, 8-15=-1710/223, 9-15=-797/120, 10-15=-539/345, 11-13=-500/200

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
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 100 lb uplift at joint(s) 24, 13 except (jt=lb) 15=129.
8) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little	T15058612
DONALD_LITTLE	C6	PIGGYBACK BASE	1	1	Job Reference (optional)	

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:21 2018 Page 1
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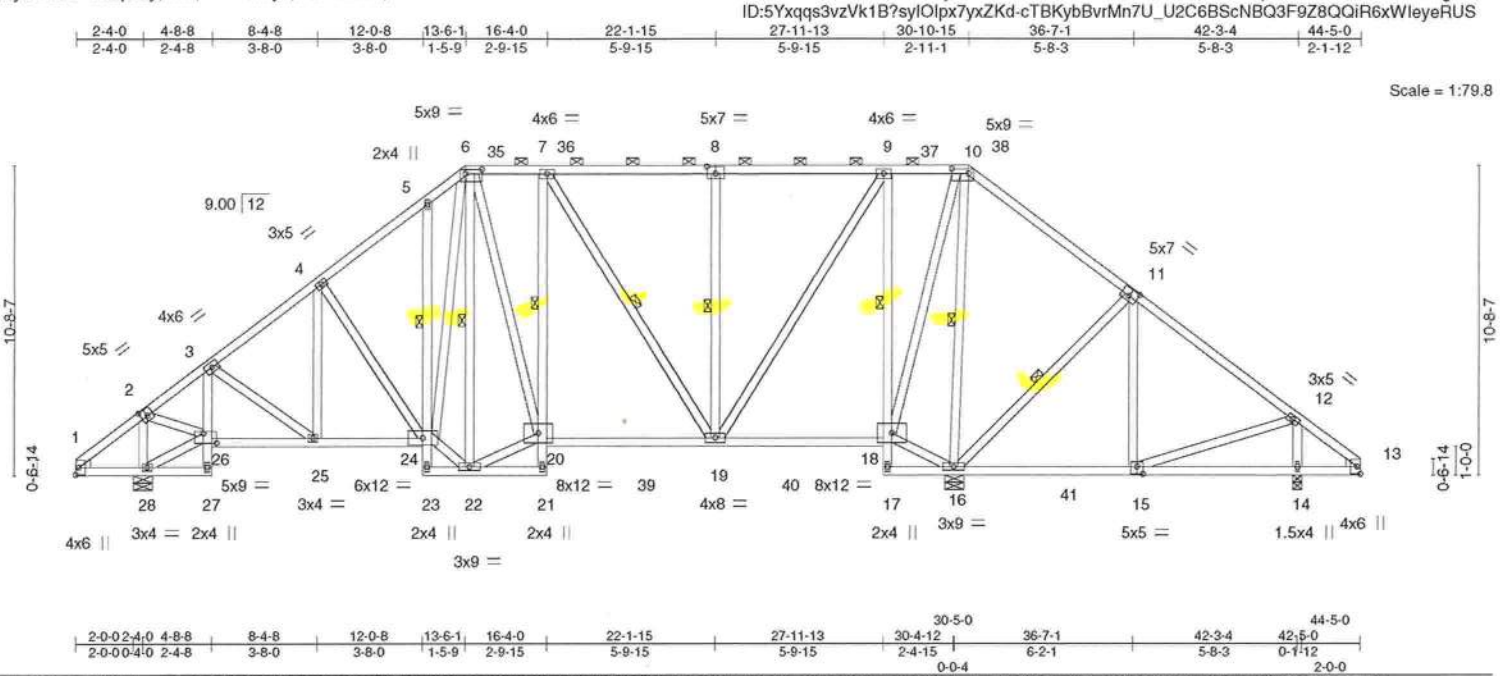

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [6:0-6-12,0-1-12], [8:0-3-8,0-3-0], [10:0-7-0,0-2-0], [11:0-3-8,0-3-0], [13:0-0-8,0-0-11], [13:0-1-0,0-4-7], [15:0-2-8,0-3-0], [26:0-5-8,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.56	Vert(LL)	-0.09	19-20	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.54	Vert(CT)	-0.17	19-20	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.97	Horz(CT)	0.10	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 384 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except 2-0-0 oc purlins (5-8-10 max.): 6-10.
BOT CHORD Rigid ceiling directly applied. Except: 1 Row at midpt 5-24, 7-20, 9-18
WEBS 1 Row at midpt 6-22, 7-19, 8-19, 10-16, 11-16

REACTIONS. (lb/size) 28=1633/0-8-0, 16=2763/0-8-0, 14=490/0-3-8
Max Horz 28=-213(LC 10)
Max Uplift 28=-38(LC 12), 16=-111(LC 12), 14=-94(LC 12)
Max Grav 28=1651(LC 21), 16=2763(LC 1), 14=564(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1359/133, 3-4=-1515/223, 4-5=-1325/278, 5-6=-1237/361, 6-7=-936/273, 7-8=-647/235, 8-9=-647/235, 10-11=0/673, 11-12=-177/291
BOT CHORD 3-26=-387/109, 25-26=-44/1212, 24-25=0/1200, 19-20=0/980, 18-19=-271/242, 9-18=-1550/274
WEBS 2-28=-1485/196, 26-28=-258/186, 2-26=-80/1180, 4-24=-334/115, 22-24=0/931, 6-24=-126/985, 6-22=-805/0, 20-22=0/969, 6-20=0/498, 7-19=-599/71, 8-19=-572/176, 9-19=-196/1378, 16-18=-604/292, 10-18=-51/1375, 10-16=-1945/115, 11-16=-546/336, 12-14=-482/220

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) 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) 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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 28, 14 except (jt=lb) 16=111.
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.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	C7	PIGGYBACK BASE GIRDE	1	1	Job Reference (optional)	T15058613

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:22 2018 Page 1
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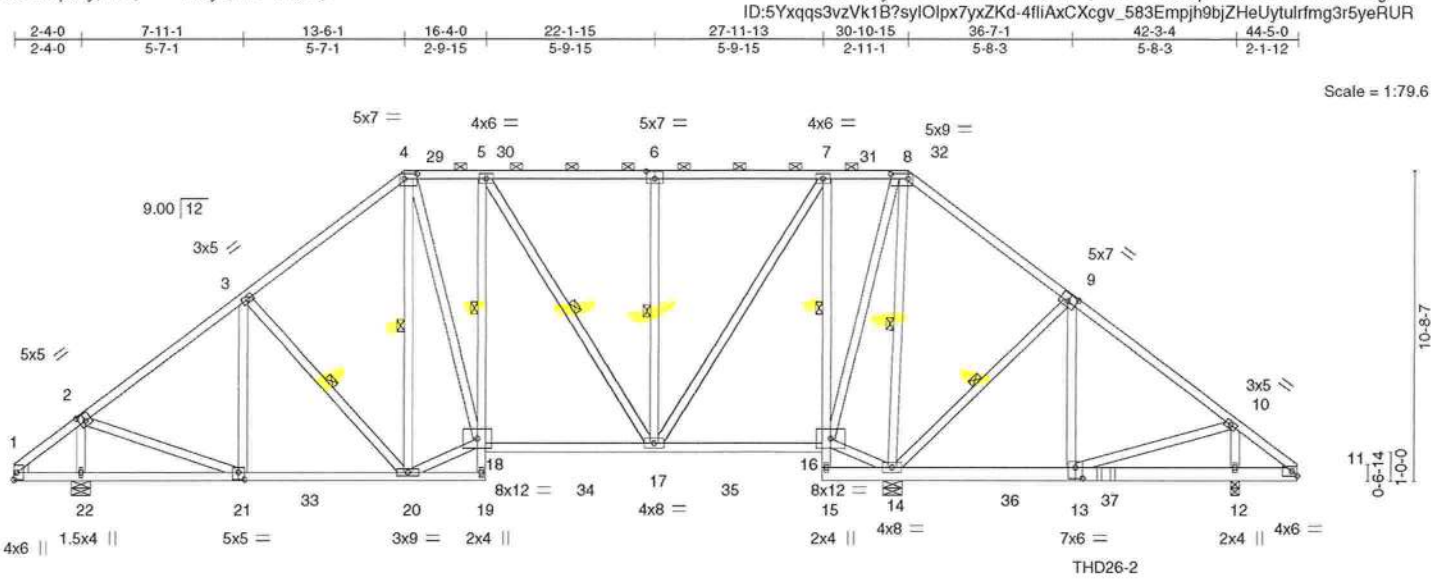

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [4:0-5-4,0-2-0], [6:0-3-8,0-3-0], [8:0-7-0,0-2-0], [9:0-3-8,0-3-0], [13:0-3-0,0-4-8], [21:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.66	Vert(LL)	-0.09	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.59	Vert(CT)	-0.16	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 360 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
13-15,11-13: 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-5 oc purlins, except 2-0-0 oc purlins (5-6-11 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-18, 7-16
WEBS 1 Row at midpt 3-20, 4-20, 5-17, 6-17, 8-14, 9-14

REACTIONS. (lb/size) 22=1669/0-8-0, 14=2816/0-8-0, 12=871/0-3-8
Max Horz 22=213(LC 7)
Max Uplift 22=-41(LC 25), 14=-200(LC 8), 12=-182(LC 8)
Max Grav 22=1686(LC 17), 14=2816(LC 1), 12=910(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1400/47, 3-4=-1246/114, 4-5=-1012/107, 5-6=-723/110, 6-7=-723/110, 8-9=0/547, 9-10=-498/210
BOT CHORD 20-21=0/1143, 17-18=0/1087, 7-16=-1522/60, 13-14=-89/270
WEBS 2-22=-1583/77, 2-21=0/1076, 3-21=-271/57, 3-20=-301/85, 18-20=0/1058, 4-18=0/535, 5-17=-564/8, 6-17=-576/77, 7-17=-14/1337, 14-16=-487/172, 8-16=0/1398, 8-14=-1864/0, 9-14=-794/272, 9-13=-179/486, 10-12=-663/133

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22 except (jt=lb) 14=200, 12=182.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Use USP THD26-2 (With 16d nails into Girder & 10d nails into Truss) or equivalent at 37-9-8 from the left end to connect truss(es) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) 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

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Date: September 12,2018

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	C7	PIGGYBACK BASE GIRDE	1	1	T15058613
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:22 2018 Page 1
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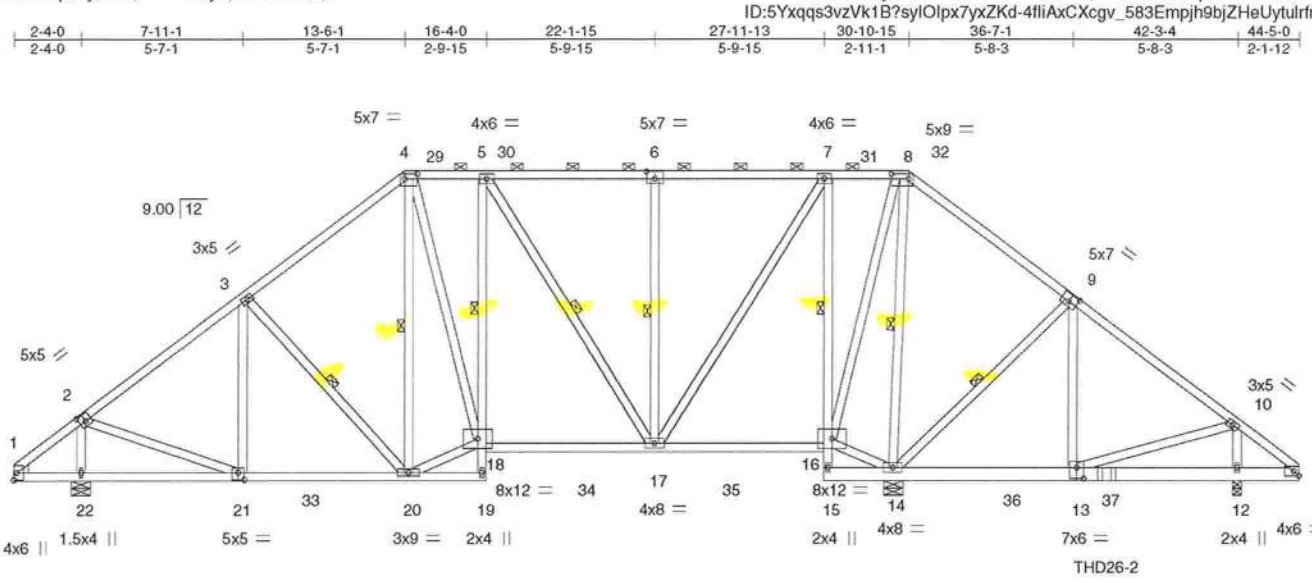

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [4:0-5-4,0-2-0], [6:0-3-8,0-3-0], [8:0-7-0,0-2-0], [9:0-3-8,0-3-0], [13:0-3-0,0-4-8], [21:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.66	Vert(LL)	-0.09	17-18	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.59	Vert(CT)	-0.16	17-18	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.90	Horz(CT)	0.06	12	n/a	n/a		
BCDL	10.0	Code	FBC2017/TPI2014	Matrix-MS							Weight: 360 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2 *Except*
13-15,11-13: 2x6 SP No.2
WEBS 2x4 SP No.2
WEDGE
Left: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-6-5 oc purlins, except 2-0-0 oc purlins (5-6-11 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
1 Row at midpt 5-18, 7-16
WEBS 1 Row at midpt 3-20, 4-20, 5-17, 6-17, 8-14, 9-14

REACTIONS. (lb/size) 22=1669/0-8-0, 14=2816/0-8-0, 12=871/0-3-8
Max Horz 22=213(LC 7)
Max Uplift 22=-41(LC 25), 14=-200(LC 8), 12=-182(LC 8)
Max Grav 22=1686(LC 17), 14=2816(LC 1), 12=910(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1400/47, 3-4=-1246/114, 4-5=-1012/107, 5-6=-723/110, 6-7=-723/110, 8-9=0/547, 9-10=-498/210
BOT CHORD 20-21=0/1143, 17-18=0/1087, 7-16=-1522/60, 13-14=-89/270
WEBS 2-22=-1583/77, 2-21=0/1076, 3-21=-271/57, 3-20=-301/85, 18-20=0/1058, 4-18=0/535, 5-17=-564/8, 6-17=-576/77, 7-17=-14/1337, 14-16=-487/172, 8-16=0/1398, 8-14=-1864/0, 9-14=-794/272, 9-13=-179/486, 10-12=-663/133

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 22 except (jt=lb) 14=200, 12=182.
7) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
8) Use USP THD26-2 (With 16d nails into Girder & 10d nails into Truss) or equivalent at 37-9-8 from the left end to connect truss(es) to front face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.
10) 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

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6904 Parke East Blvd. Tampa FL 33610
Date: September 12,2018

Continued on page 2

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	C8	PIGGYBACK BASE	2	1	T15058614
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:24 2018 Page 1
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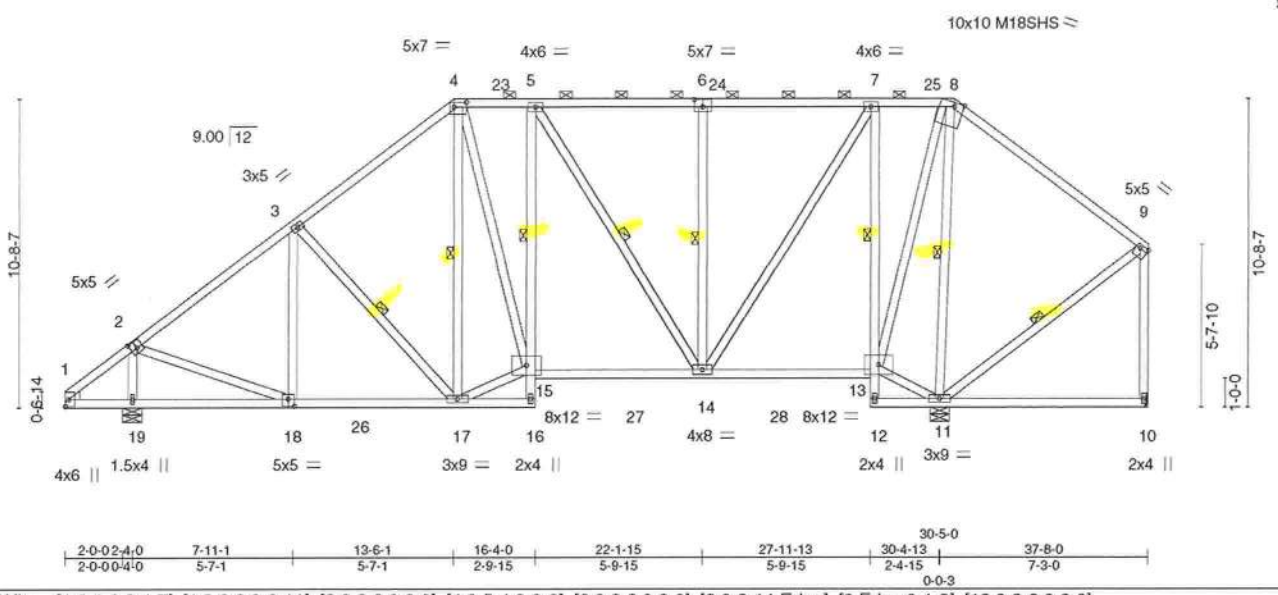

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [2:0-2-8,0-3-0], [4:0-5-4,0-2-0], [6:0-3-8,0-3-0], [8:0-3-14,Edge], [9:Edge,0-1-8], [18:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.61	Vert(LL)	-0.08	14-15	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.50	Vert(CT)	-0.16	14-15	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.95	Horz(CT)	0.06	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 314 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals, and 2-0-0 oc purlins (5-5-10 max.): 4-8.
BOT CHORD Rigid ceiling directly applied. Except:
1 Row at midpt 5-15, 7-13
WEBS 1 Row at midpt 3-17, 4-17, 5-14, 6-14, 8-11, 9-11

REACTIONS. (lb/size) 10=14/Mechanical, 19=1715/0-8-0, 11=2399/0-8-0
Max Horz 19=264(LC 11)
Max Uplift 10=-183(LC 21), 19=-38(LC 12), 11=-66(LC 12)
Max Grav 10=70(LC 22), 19=1719(LC 21), 11=2399(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1435/213, 3-4=-1289/302, 4-5=-1048/293, 5-6=-790/265, 6-7=-790/265, 8-9=-52/438
BOT CHORD 18-19=-256/254, 17-18=-266/1154, 14-15=-182/1118, 7-13=-1459/262
WEBS 2-19=-1613/301, 2-18=-73/1106, 3-18=-282/101, 3-17=-299/151, 15-17=-150/1090, 4-15=-56/595, 5-14=-523/104, 6-14=-580/180, 7-14=-216/1284, 11-13=-383/208, 8-13=-152/1400, 8-11=-1891/319, 9-11=-329/162

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=38ft; eave=5ft; 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; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 19, 11 except (jt=lb) 10=183.
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.

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September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little	
DONALD_LITTLE	C9GIR	PIGGYBACK BASE GIRDE	1	2	Job Reference (optional)	T15058615

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:26 2018 Page 1
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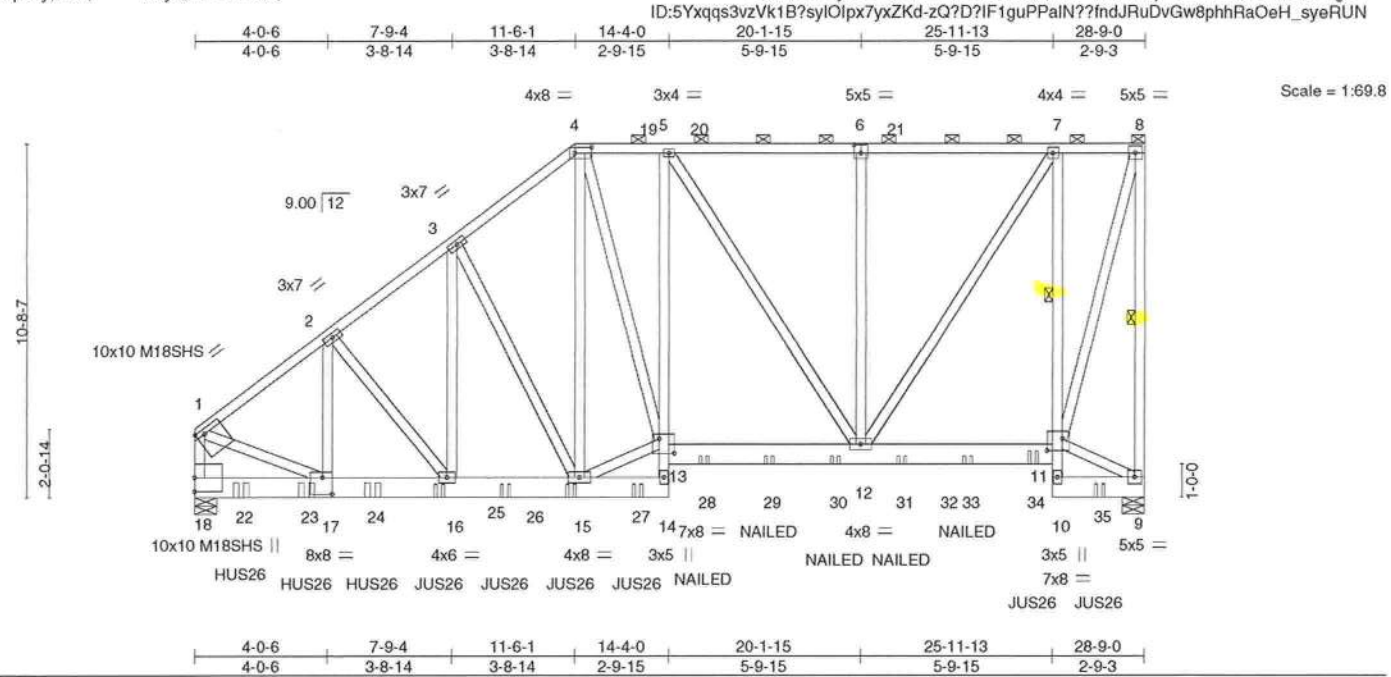

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [4:0-6-0,0-2-0], [6:0-2-8,0-3-0], [11:0-5-8,0-4-4], [13:0-5-8,0-5-4], [17:0-3-8,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.75	Vert(LL)	-0.10	13	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	-0.18	16	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 634 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
5-14,7-10: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 7-11
WEBS 1 Row at midpt 8-9

REACTIONS. (lb/size) 9=4217/0-8-0, 18=9825/0-8-0
Max Horz 18=306(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8254/0, 2-3=-6474/0, 3-4=-4874/0, 4-5=-4152/0, 5-6=-2952/0, 6-7=-2952/0, 7-8=-1078/39, 8-9=-3934/0, 1-18=-7805/0
BOT CHORD 17-18=-245/373, 16-17=0/6512, 15-16=0/5107, 5-13=0/1457, 12-13=0/4177, 11-12=-39/1122, 7-11=-3258/0
WEBS 2-17=0/2753, 2-16=-2307/0, 3-16=0/3089, 3-15=-2834/0, 4-15=0/1528, 13-15=0/4118, 4-13=-161/1201, 5-12=-2224/0, 6-12=-579/79, 7-12=0/3422, 8-11=0/3994, 1-17=0/6819

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: 2x8 - 2 rows staggered at 0-4-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; 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) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-12 from the left end to 5-4-12 to connect truss(es) to front face of bottom chord.
11) Use USP JUS26 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 12-0-0 oc max. starting at 7-4-12 from the left end to 27-4-12 to connect truss(es) to front face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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Date: September 12,2018

LOAD CASE(S) Standard

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	C9GIR	PIGGYBACK BASE GIRDE	1	2	T15058615
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:26 2018 Page 1
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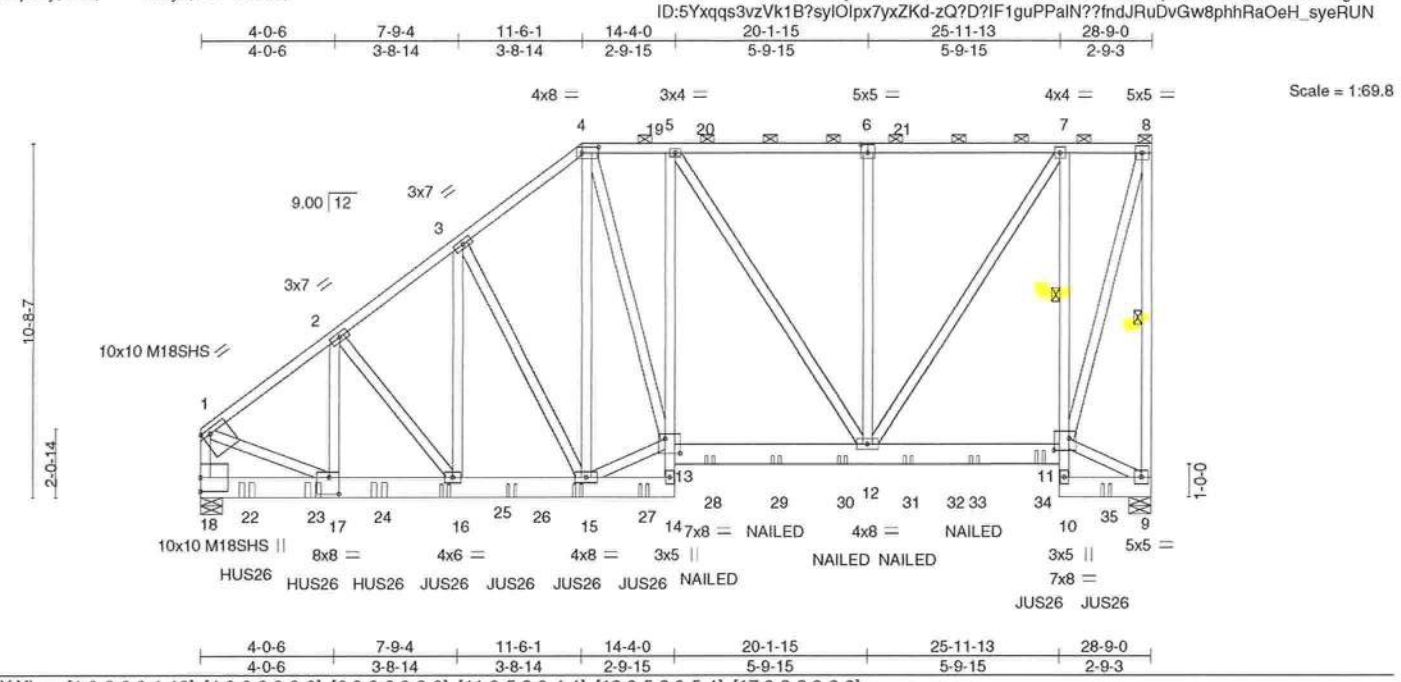

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [4:0-6-0,0-2-0], [6:0-2-8,0-3-0], [11:0-5-8,0-4-4], [13:0-5-8,0-5-4], [17:0-3-8,0-6-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.75	Vert(LL)	-0.10	13	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	-0.18	16	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(CT)	0.07	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 634 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E *Except*
5-14,7-10: 2x4 SP No.2
WEBS 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-1-8 oc purlins, except end verticals, and 2-0-0 oc purlins (6-0-0 max.): 4-8.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 7-11
WEBS 1 Row at midpt 8-9

REACTIONS. (lb/size) 9=4217/0-8-0, 18=9825/0-8-0
Max Horz 18=306(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-8254/0, 2-3=-6474/0, 3-4=-4874/0, 4-5=-4152/0, 5-6=-2952/0, 6-7=-2952/0, 7-8=-1078/39, 8-9=-3934/0, 1-18=-7805/0
BOT CHORD 17-18=-245/373, 16-17=0/6512, 15-16=0/5107, 5-13=0/1457, 12-13=0/4177, 11-12=-39/1122, 7-11=-3258/0
WEBS 2-17=0/2753, 2-16=-2307/0, 3-16=0/3089, 3-15=-2834/0, 4-15=0/1528, 13-15=0/4118, 4-13=-161/1201, 5-12=-2224/0, 6-12=-579/79, 7-12=0/3422, 8-11=0/3994, 1-17=0/6819

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: 2x8 - 2 rows staggered at 0-4-0 oc, 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 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=29ft; 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) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
10) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-12 from the left end to 5-4-12 to connect truss(es) to front face of bottom chord.
11) Use USP JUS26 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 12-0-0 oc max. starting at 7-4-12 from the left end to 27-4-12 to connect truss(es) to front face of bottom chord.
12) Fill all nail holes where hanger is in contact with lumber.
13) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.

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LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	CJ01	Diagonal Hip Girder	6	1	T15058616
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:27 2018 Page 1
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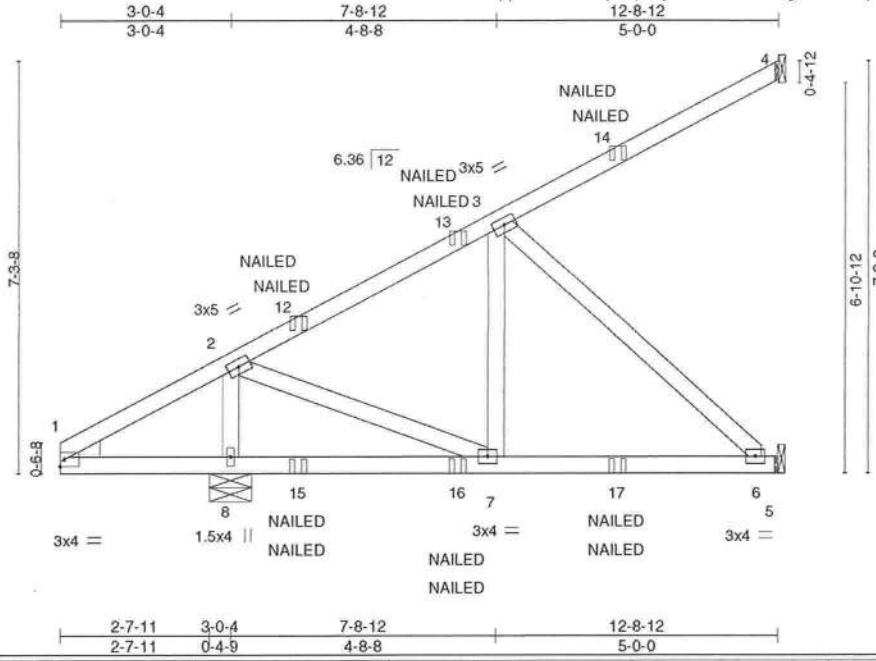

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.67	Vert(LL)	0.06	6-7	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.59	Vert(CT)	-0.08	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.29	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 66 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=214/Mechanical, 5=294/Mechanical, 8=603/0-9-2
Max Horz 8=161(LC 8)
Max Uplift 4=-67(LC 8), 5=-227(LC 8), 8=-422(LC 8)
Max Grav 4=214(LC 1), 5=301(LC 28), 8=613(LC 31)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/459, 2-3=-344/277
BOT CHORD 1-8=-369/0, 7-8=-369/0, 6-7=-261/296
WEBS 2-8=-682/265, 2-7=-126/587, 3-6=-402/354

NOTES-
1) 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=227, 8=422.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) 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=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-90, 5-9=-20
Concentrated Loads (lb)
Vert: 12=188(F=94, B=94) 14=-92(F=-46, B=-46) 15=205(F=102, B=102) 17=-18(F=-9, B=-9)

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September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	CJ02	Diagonal Hip Girder	2	1	T15058617
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:28 2018 Page 1
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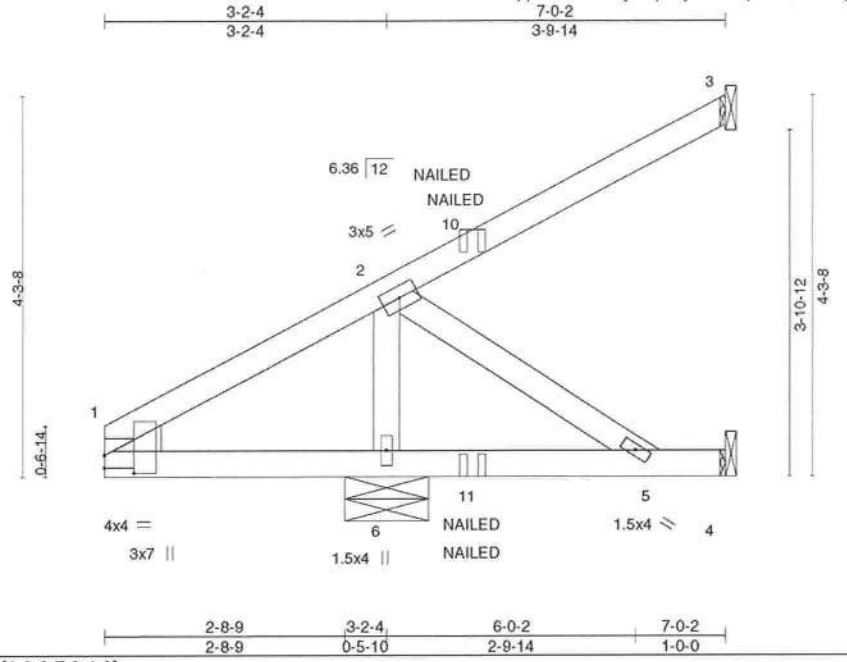

Plate Offsets (X,Y)-- [1:0-0-0,0-1-11], [1:0-2-7,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	0.04	5-6	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.55	Vert(CT)	0.07	5-6	>644	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.08	Horz(CT)	-0.03	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 31 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=95/Mechanical, 4=-138/Mechanical, 6=414/0-11-5
Max Horz 6=88(LC 8)
Max Uplift 3=-53(LC 8), 4=-209(LC 17), 6=-273(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=0/424
BOT CHORD 1-6=-323/0, 5-6=-323/0
WEBS 2-6=-527/96, 2-5=0/384

NOTES-
1) 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3 except (jt=lb) 4=209, 6=273.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) 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=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-3=-90, 4-7=-20
Concentrated Loads (lb)
Vert: 10=188(F=94, B=94) 11=205(F=102, B=102)

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September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	D1GE	Common Structural Gable	1	1	T15058618
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:29 2018 Page 1
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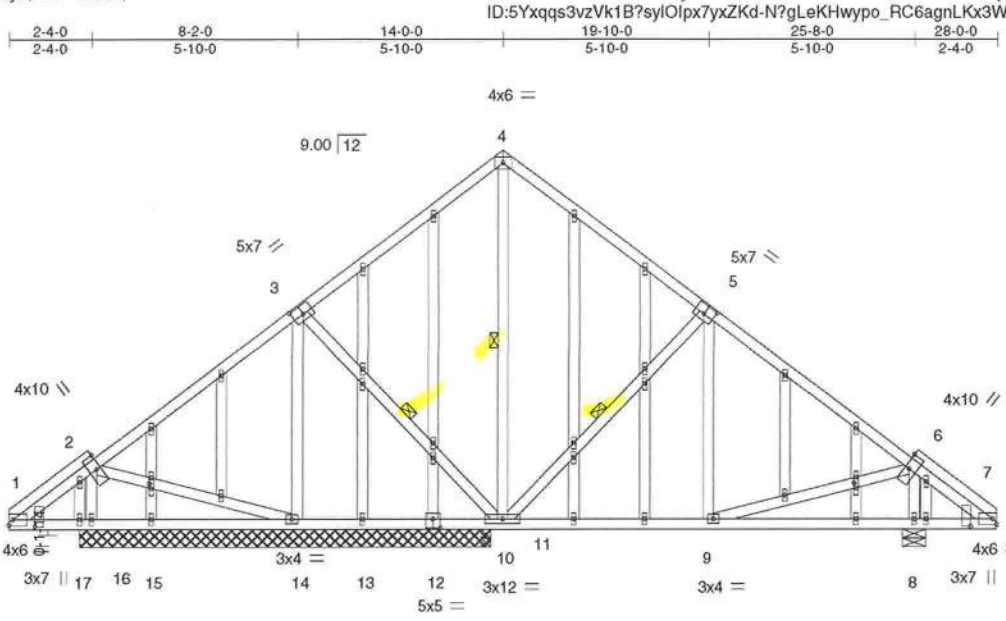

Plate Offsets (X,Y)-- [1:0-2-8,0-7-7], [3:0-3-8,0-3-0], [5:0-3-8,0-3-0], [7:0-2-8,0-7-7], [12:0-2-8,0-3-0], [24:0-1-10,0-0-12], [37:0-1-10,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.46	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 248 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
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

BRACING-
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-10, 5-10, 3-10

REACTIONS. All bearings 11-8-0 except (jt=length) 8=0-8-0, 11=0-3-8.
(lb) - Max Horz 17=-203(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 10, 14, 16, 17, 11
Max Grav All reactions 250 lb or less at joint(s) 13, 15, 17 except 10=1120(LC 1), 14=449(LC 21), 16=478(LC 21), 8=847(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 5-6=-518/59
BOT CHORD 9-10=0/299
WEBS 4-10=-530/22, 5-10=-490/176, 6-9=0/292, 6-8=-745/173, 3-14=-408/87, 2-16=-537/130

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=28ft; 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 14, 16, 17, 11.
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.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	D2GIR	Common Girder	1	3	T15058619

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:31 2018 Page 1
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4-2-5	8-1-3	12-0-0	15-10-13	19-9-11	24-0-0
4-2-5	3-10-13	3-10-13	3-10-13	3-10-13	4-2-5

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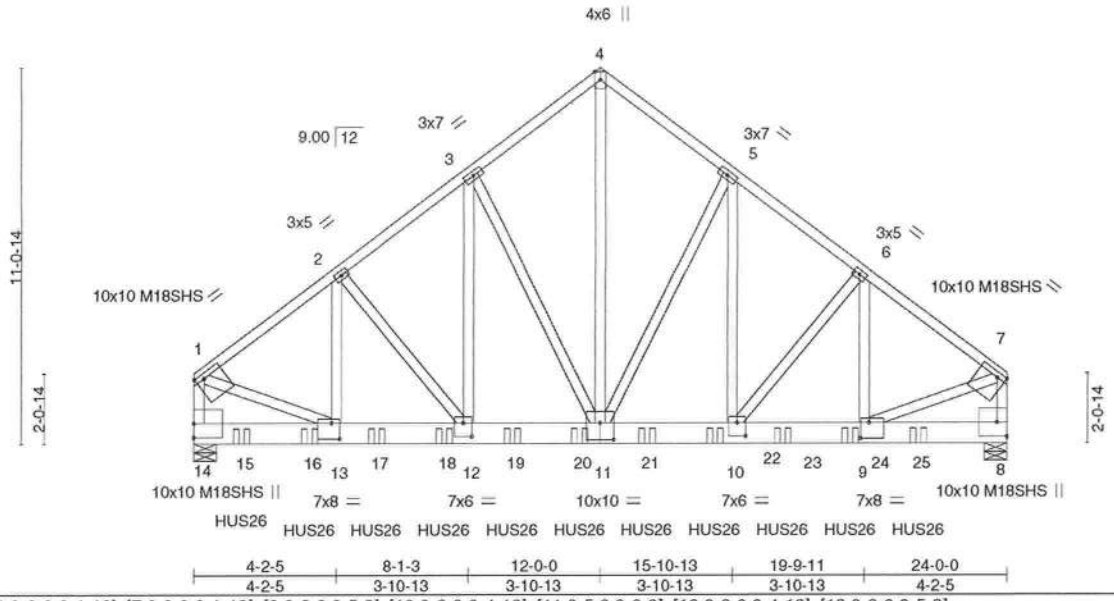


4-2-5	8-1-3	12-0-0	15-10-13	19-9-11	24-0-0
4-2-5	3-10-13	3-10-13	3-10-13	3-10-13	4-2-5

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [7:0-3-0,0-1-12], [9:0-3-0,0-5-8], [10:0-3-0,0-4-12], [11:0-5-0,0-6-0], [12:0-3-0,0-4-12], [13:0-3-0,0-5-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.49	Vert(LL)	-0.12	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.26	Vert(CT)	-0.22	11-12	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 677 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2

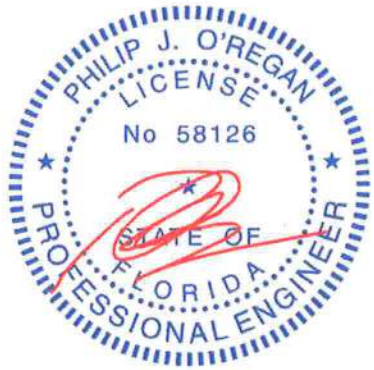
BRACING-
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 14=14424/0-8-0, 8=12154/0-8-0
Max Horz 14=219(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-13207/0, 2-3=-12288/0, 3-4=-9967/0, 4-5=-9966/0, 5-6=-11928/0, 6-7=-12162/0, 1-14=-12298/0, 7-8=-11351/0
BOT CHORD 13-14=-126/464, 12-13=0/10468, 11-12=0/9743, 10-11=0/9453, 9-10=0/9635, 8-9=0/270
WEBS 4-11=0/11458, 5-11=-3408/0, 5-10=0/3886, 6-10=-338/8, 3-11=-4047/0, 3-12=0/4681, 2-12=-1209/0, 2-13=0/1296, 1-13=0/10973, 7-9=0/10155

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-5-0 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 7-10; 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-12 from the left end to 21-4-12 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-90, 4-7=-90, 8-14=-20



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Date: September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	D2GIR	Common Girder	1	3	T15058619

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:31 2018 Page 1
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4-2-5	8-1-3	12-0-0	15-10-13	19-9-11	24-0-0
4-2-5	3-10-13	3-10-13	3-10-13	3-10-13	4-2-5

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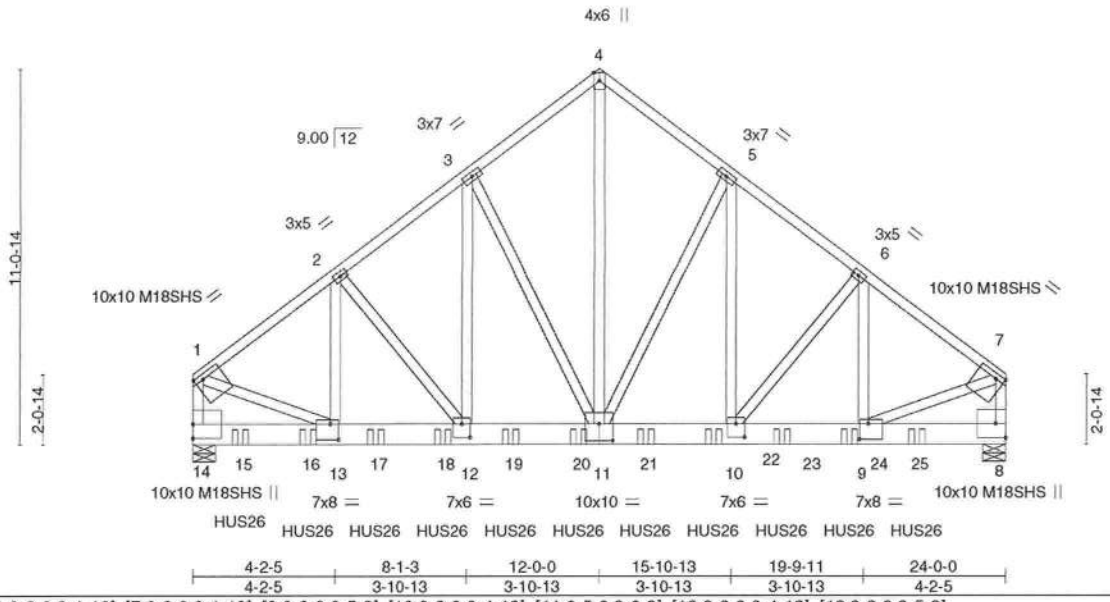

4-2-5	8-1-3	12-0-0	15-10-13	19-9-11	24-0-0
4-2-5	3-10-13	3-10-13	3-10-13	3-10-13	4-2-5

Plate Offsets (X,Y)-- [1:0-3-0,0-1-12], [7:0-3-0,0-1-12], [9:0-3-0,0-5-8], [10:0-3-0,0-4-12], [11:0-5-0,0-6-0], [12:0-3-0,0-4-12], [13:0-3-0,0-5-8]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.49	Vert(LL)	-0.12	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.26	Vert(CT)	-0.22	11-12	>999	180	M18SHS	244/190
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.81	Horz(CT)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 677 lb	FT = 0%

LUMBER-
TOP CHORD 2x4 SP No.2
BOT CHORD 2x8 SP 2400F 2.0E
WEBS 2x4 SP No.2

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

REACTIONS. (lb/size) 14=14424/0-8-0, 8=12154/0-8-0
Max Horz 14=219(LC 7)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-13207/0, 2-3=-12288/0, 3-4=-9967/0, 4-5=-9966/0, 5-6=-11928/0, 6-7=-12162/0, 1-14=-12298/0, 7-8=-11351/0
BOT CHORD 13-14=-126/464, 12-13=0/10468, 11-12=0/9743, 10-11=0/9453, 9-10=0/9635, 8-9=0/270
WEBS 4-11=0/11458, 5-11=-3408/0, 5-10=0/3886, 6-10=-338/8, 3-11=-4047/0, 3-12=0/4681, 2-12=-1209/0, 2-13=0/1296, 1-13=0/10973, 7-9=0/10155

NOTES-
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x8 - 3 rows staggered at 0-5-0 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 7-10; 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) All plates are MT20 plates unless otherwise indicated.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Use USP HUS26 (With 16d nails into Girder & 16d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-4-12 from the left end to 21-4-12 to connect truss(es) to back face of bottom chord.
9) Fill all nail holes where hanger is in contact with lumber.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-90, 4-7=-90, 8-14=-20

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	E1GE	Common Structural Gable	1	1	T15058620
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:32 2018 Page 1
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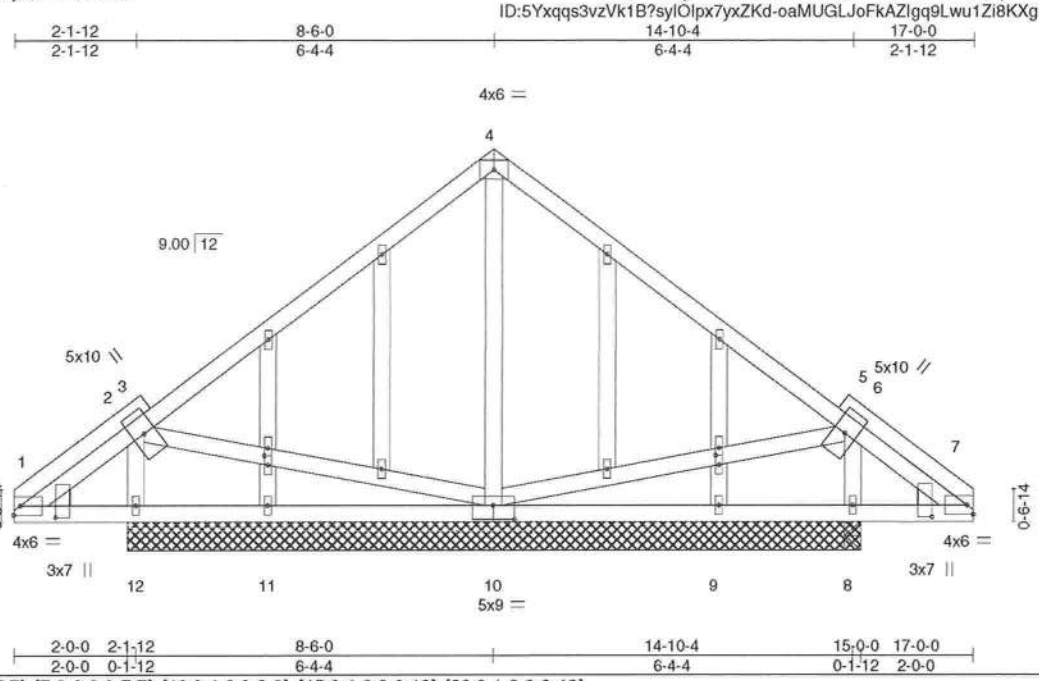

Plate Offsets (X,Y)-- [1:0-2-8,0-7-7], [7:0-2-8,0-7-7], [10:0-4-8,0-3-0], [15:0-1-9,0-0-12], [20:0-1-9,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.42	Vert(LL)	-0.00	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.12	Vert(CT)	-0.01	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.33	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 118 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
WEDGE
Left: 2x4 SP No.2, Right: 2x4 SP No.2

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

REACTIONS. All bearings 13-0-0 except (jt=length) 8=0-3-8, 8=0-3-8.
(lb) - Max Horz 12=120(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10, 12, 8
Max Grav All reactions 250 lb or less at joint(s) 11, 9 except 10=618(LC 1), 12=531(LC 21), 8=531(LC 22), 8=529(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-10=-488/104, 6-8=-536/171, 2-12=-536/171

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 12, 8.
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.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	F1GIR	Hip Girder	1	1	T15058621
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:33 2018 Page 1
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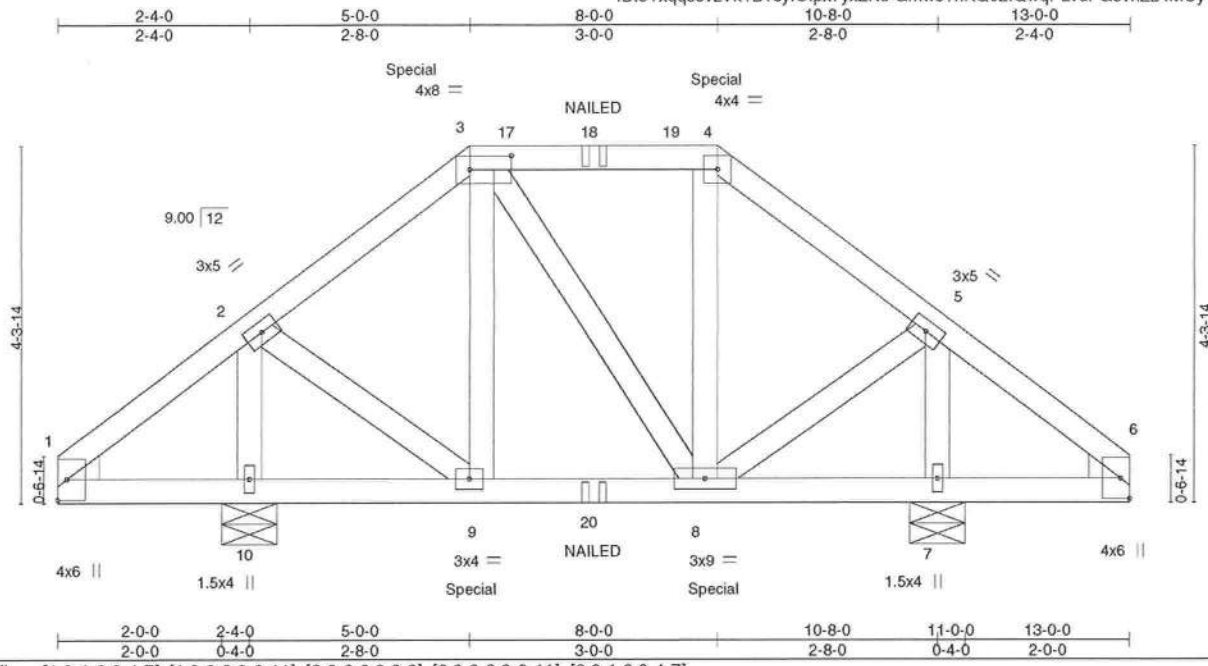

Scale = 1:27.9

Plate Offsets (X,Y)-- [1:0-1-0,0-4-7], [1:0-0-8,0-0-11], [3:0-6-0,0-2-0], [6:0-0-8,0-0-11], [6:0-1-0,0-4-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.18	Vert(LL)	-0.00	8	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.08	Vert(CT)	0.01	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.09	Horz(CT)	-0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 76 lb	FT = 0%

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

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

REACTIONS. (lb/size) 10=575/0-8-0, 7=575/0-8-0
Max Horz 10=-73(LC 6)
Max Uplift 10=-277(LC 8), 7=-231(LC 9)
Max Grav 10=603(LC 39), 7=603(LC 38)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-10=-516/278, 2-9=-191/270, 3-9=-291/0, 4-8=-300/0, 5-8=-192/268, 5-7=-514/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) except (jt=lb) 10=277, 7=231.
7) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 103 lb down and 159 lb up at 5-0-0, and 103 lb down and 159 lb up at 8-0-0 on top chord, and 284 lb up at 5-0-0, and 284 lb up at 7-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) 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=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-3=-90, 3-4=-90, 4-6=-90, 11-14=-20
Concentrated Loads (lb)
Vert: 3=-2(F) 4=-2(F) 9=132(F) 8=132(F) 20=21(F)

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	F2GIR	Common Girder	1	1	T15058622
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:34 2018 Page 1
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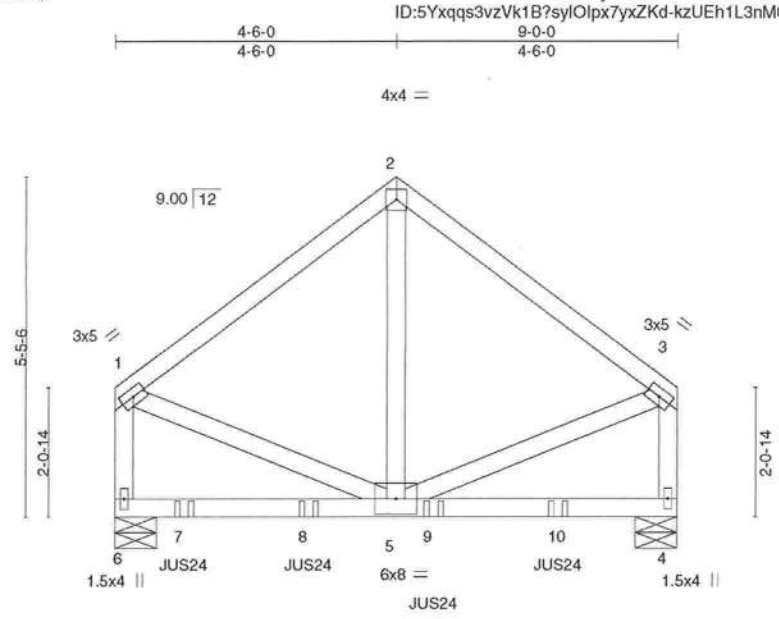

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.64	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.97	Vert(CT)	-0.11	5-6	>981	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MS							Weight: 56 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 or 4-10-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-8-4 oc bracing.

REACTIONS. (lb/size) 6=1251/0-8-0, 4=1122/0-8-0
Max Horz 6=-115(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-870/0, 2-3=-870/0, 1-6=-926/0, 3-4=-926/0
WEBS 2-5=0/587, 1-5=0/675, 3-5=0/675

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) Use USP JUS24 (With 10d nails into Girder & 10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 1-1-4 from the left end to 7-1-4 to connect truss(es) to back face of bottom chord.
6) Fill all nail holes where hanger is in contact with lumber.
7) 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=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=-90, 2-3=-90, 4-6=-20
Concentrated Loads (lb)
Vert: 7=-354(B) 8=-354(B) 9=-354(B) 10=-354(B)

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	G1GE	Common Supported Gable	1	1	T15058623
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:35 2018 Page 1
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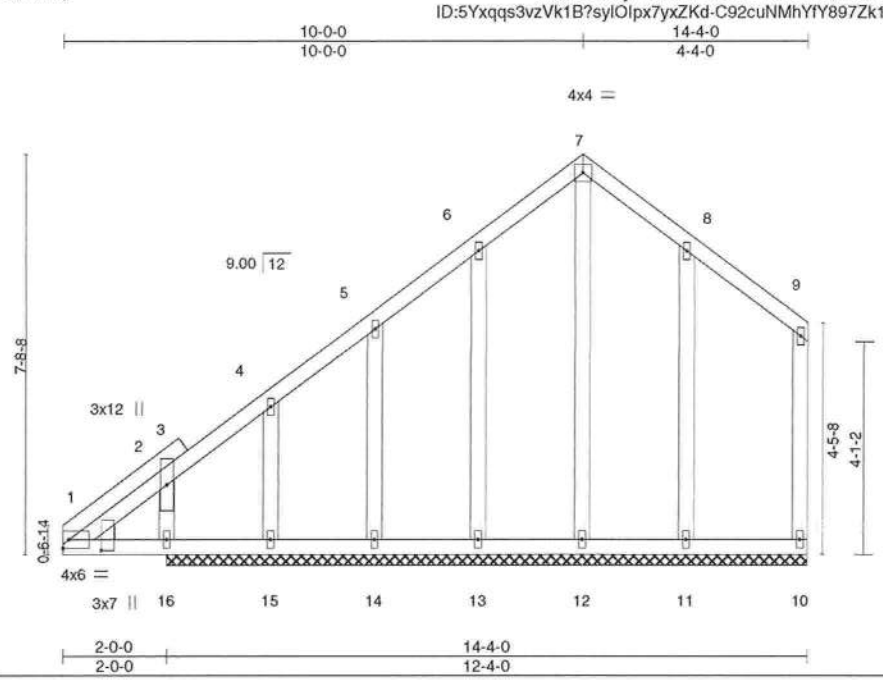

Plate Offsets (X,Y)-- [1:0-2-8,0-7-7]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.17	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.16	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.18	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 98 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
WEDGE
Left: 2x4 SP No.2

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

REACTIONS. All bearings 12-4-0.
(lb) - Max Horz 16=186(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10, 12, 13, 14, 16, 11 except 15=-136(LC 9)
Max Grav All reactions 250 lb or less at joint(s) 10, 12, 13, 14, 15 except 16=467(LC 18), 11=273(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-16=-336/94

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; 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 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
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 12, 13, 14, 16, 11 except (jt=lb) 15=136.

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6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	H1GE	COMMON STRUCTURAL GA	1	1	T15058624
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:36 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-gLb?6jMJJzg?nH8walzzjYJ_dIJt9Q4vty3pKHyeRUD

-2-0-0 2-0-0 | 7-4-0 7-4-0 | 14-8-0 7-4-0 | 16-8-0 2-0-0

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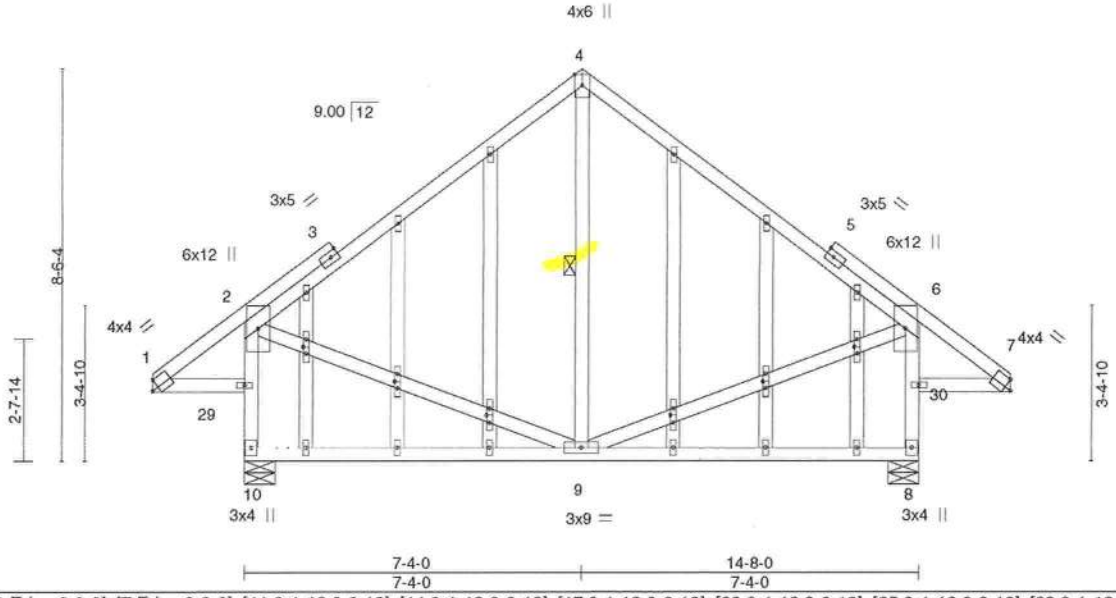

7-4-0 7-4-0 | 14-8-0 7-4-0

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [7:Edge,0-2-6], [11:0-1-12,0-0-12], [14:0-1-12,0-0-12], [17:0-1-12,0-0-12], [22:0-1-12,0-0-12], [25:0-1-12,0-0-12], [28:0-1-12,0-0-12]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.54	Vert(LL)	0.09	9-10	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.42	Vert(CT)	-0.10	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.00	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 154 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, except end verticals.
Except:
5-11-0 oc bracing: 10-29, 8-30
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 4-9

REACTIONS. (lb/size) 10=991/0-8-0, 8=991/0-8-0
Max Horz 10=-171(LC 10)
Max Uplift 10=-150(LC 12), 8=-150(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-4=-641/384, 4-6=-641/384, 10-29=-920/392, 2-29=-920/392, 8-30=-920/392, 6-30=-920/392
WEBS 4-9=-263/171, 2-9=-59/271, 6-9=-59/271

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=150, 8=150.
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.

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September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	H2	Common	1	1	T15058625
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:37 2018 Page 1
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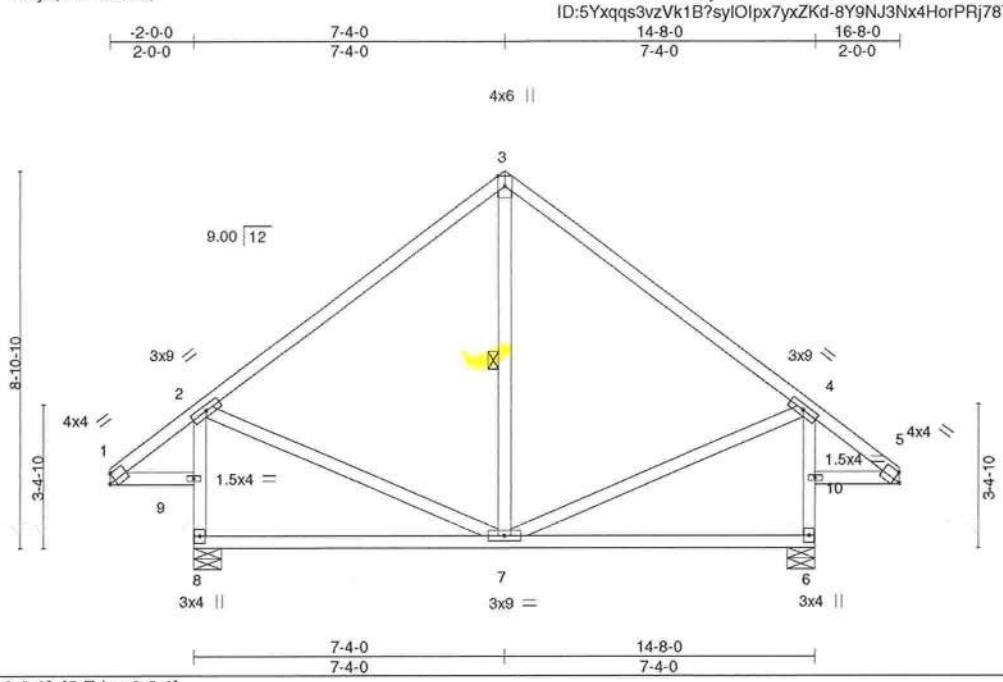

Plate Offsets (X,Y)-- [1:Edge,0-2-6], [5:Edge,0-2-6]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.60	Vert(LL)	0.09	7-8	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.43	Vert(CT)	-0.10	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 106 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, except end verticals.
Except:
6-0-0 oc bracing: 8-9, 6-10
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 3-7

REACTIONS. (lb/size) 8=991/0-8-0, 6=991/0-8-0
Max Horz 8=178(LC 11)
Max Uplift 8=-150(LC 12), 6=-150(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-639/379, 3-4=-639/379, 8-9=-923/394, 2-9=-923/394, 6-10=-923/394, 4-10=-923/394
WEBS 2-7=-77/315, 4-7=-77/315

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=150, 6=150.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	H3	Common	2	1	T15058626
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:38 2018 Page 1
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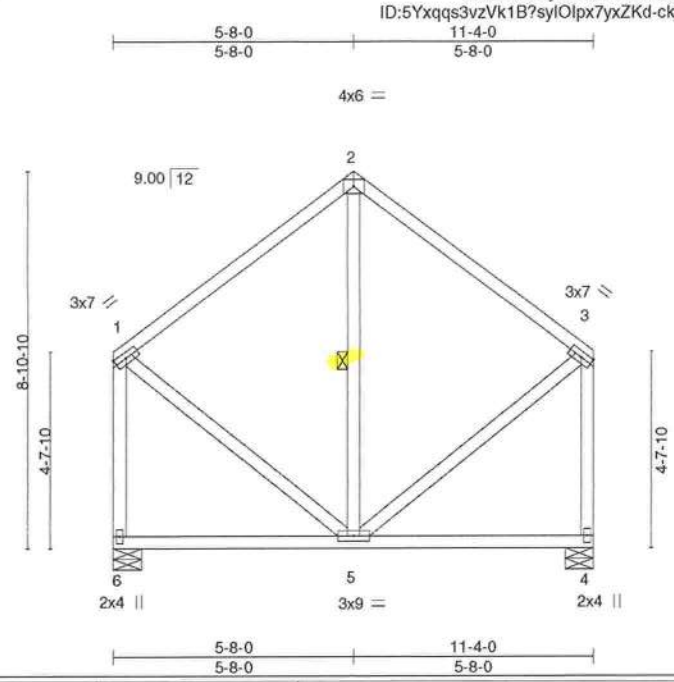

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.42	Vert(LL)	0.04	5-6	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.26	Vert(CT)	-0.04	5-6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 83 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 2-5

REACTIONS. (lb/size) 6=607/0-8-0, 4=607/0-8-0
Max Horz 6=-204(LC 10)
Max Uplift 6=-95(LC 12), 4=-95(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-421/259, 2-3=-421/259, 1-6=-554/316, 3-4=-554/317
WEBS 3-5=-175/250

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 6, 4.
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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September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J1	Jack-Partial	41	1	T15058627
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:39 2018 Page 1
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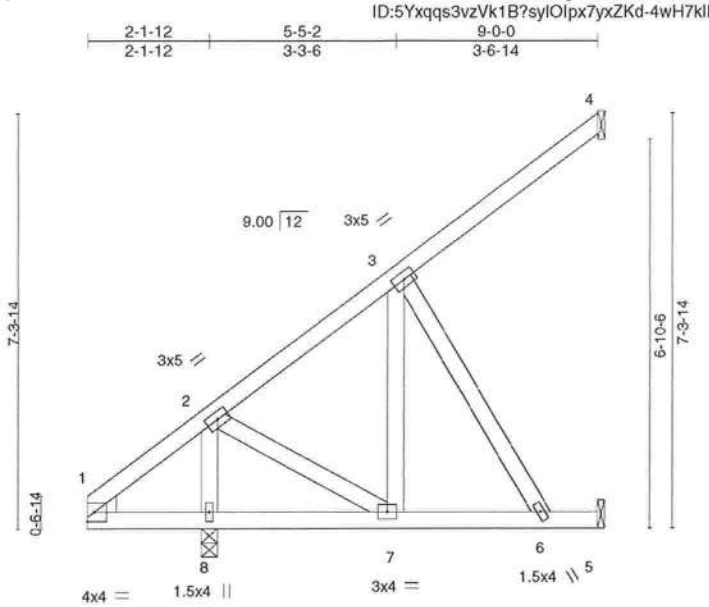

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.19	Vert(LL)	0.05	6-7	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	-0.05	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	-0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 52 lb	FT = 0%

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

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

REACTIONS. (lb/size) 4=132/Mechanical, 5=205/Mechanical, 8=647/0-3-8
Max Horz 8=161(LC 12)
Max Uplift 4=-38(LC 12), 5=-99(LC 12), 8=-16(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-271/47
WEBS 2-8=-579/154, 2-7=0/275, 3-7=-252/116, 3-6=-334/347

NOTES-
1) 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5, 8.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J1A	Jack-Open	7	1	T15058628
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:40 2018 Page 1
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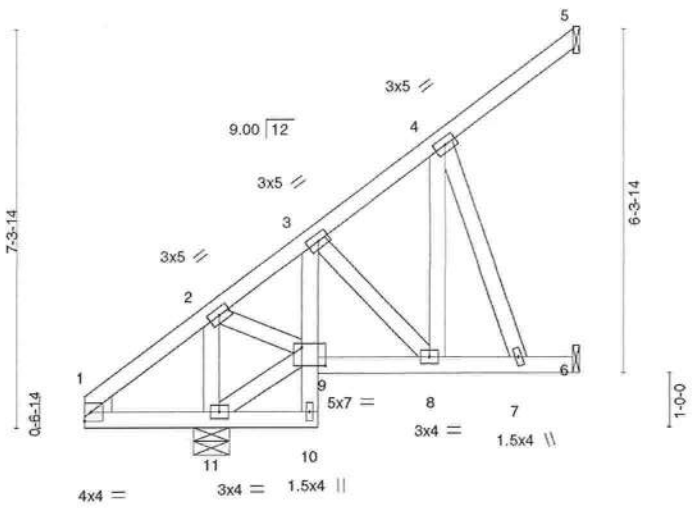
2-4-0	4-3-7	6-6-0	9-0-0
2-4-0	1-11-7	2-2-8	2-6-0

Scale = 1:42.5



2-0-0	2-4-0	4-3-7	6-6-0	8-0-0	9-0-0
2-0-0	0-4-0	1-11-7	2-2-8	1-6-0	1-0-0

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0], [9:0-5-4,0-4-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.11	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.39	Vert(CT)	-0.03	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 60 lb	FT = 0%

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

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

REACTIONS. (lb/size) 5=100/Mechanical, 6=218/Mechanical, 11=665/0-8-0
Max Horz 11=161(LC 12)
Max Uplift 5=-28(LC 12), 6=-52(LC 12)
Max Grav 5=100(LC 1), 6=235(LC 17), 11=665(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
BOT CHORD 8-9=-188/282
WEBS 2-11=-486/141, 2-9=-17/270, 4-8=-144/330, 4-7=-433/225

NOTES-
1) 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 6.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.

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Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J1B	Jack-Open	2	1	T15058629
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:40 2018 Page 1
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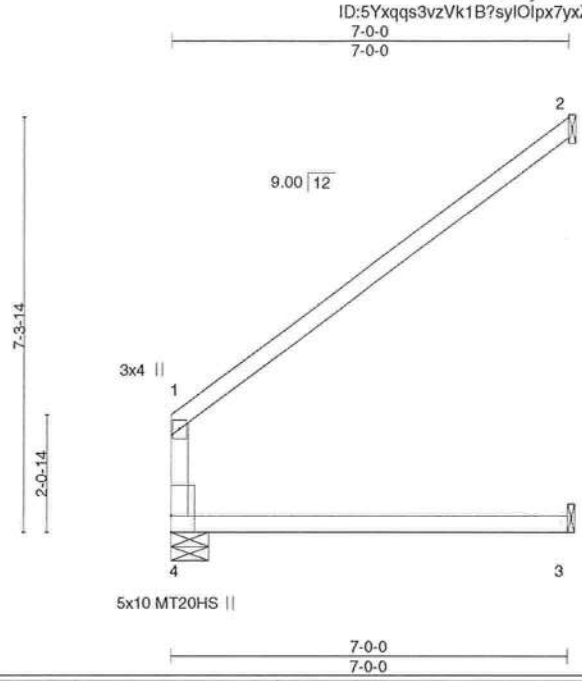

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.88	Vert(LL)	0.16	3-4	>497	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.71	Vert(CT)	-0.27	3-4	>305	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.36	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 26 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 4=374/0-8-0, 2=287/Mechanical, 3=87/Mechanical
Max Horz 4=159(LC 12)
Max Uplift 2=-95(LC 12)
Max Grav 4=374(LC 1), 2=288(LC 17), 3=132(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-324/12

NOTES-
1) 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
2) All plates are MT20 plates unless otherwise indicated.
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.
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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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J1C	Jack-Open	4	1	T15058630
					Job Reference (optional)

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

8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:41 2018 Page 1
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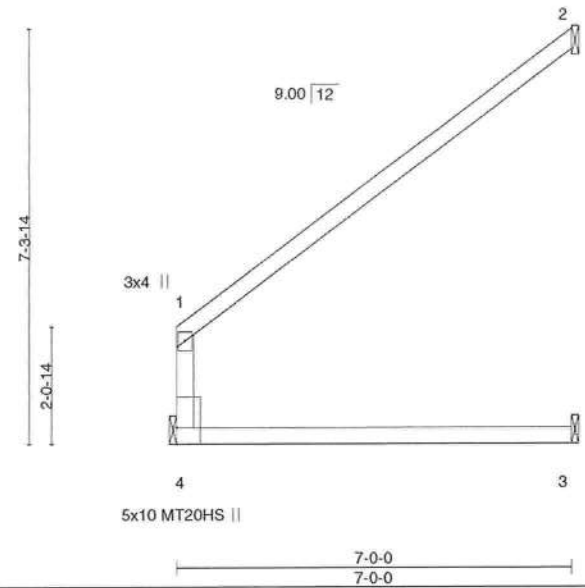

7-0-0
7-0-0

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.88	Vert(LL)	0.16	3-4	>497	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.71	Vert(CT)	-0.27	3-4	>305	180	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.36	2	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 26 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 4=374/Mechanical, 2=287/Mechanical, 3=87/Mechanical
Max Horz 4=159(LC 12)
Max Uplift 2=-95(LC 12)
Max Grav 4=374(LC 1), 2=288(LC 17), 3=132(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-324/12

NOTES-
1) 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
2) All plates are MT20 plates unless otherwise indicated.
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.
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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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J1E	Jack-Open	1	1	T15058631
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:42 2018 Page 1
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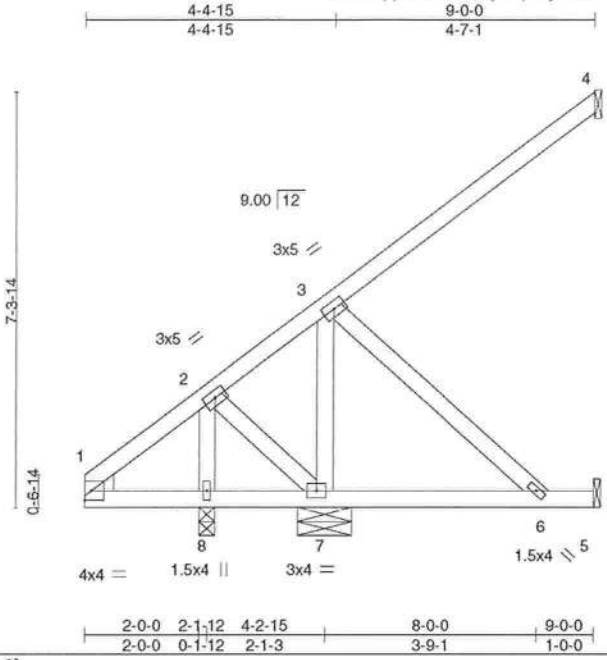

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.33	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.11	Vert(CT)	-0.02	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 49 lb	FT = 0%

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

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

REACTIONS. All bearings Mechanical except (jt=length) 8=0-3-8, 7=0-11-5.
(lb) - Max Horz 8=161(LC 12)
Max Uplift All uplift 100 lb or less at joint(s) 4, 5, 8, 7
Max Grav All reactions 250 lb or less at joint(s) 4, 5 except 8=302(LC 1), 7=533(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-162/253
WEBS 3-7=-497/124

NOTES-
1) 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 5, 8, 7.
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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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J1F	Jack-Open	3	1	T15058632
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:42 2018 Page 1
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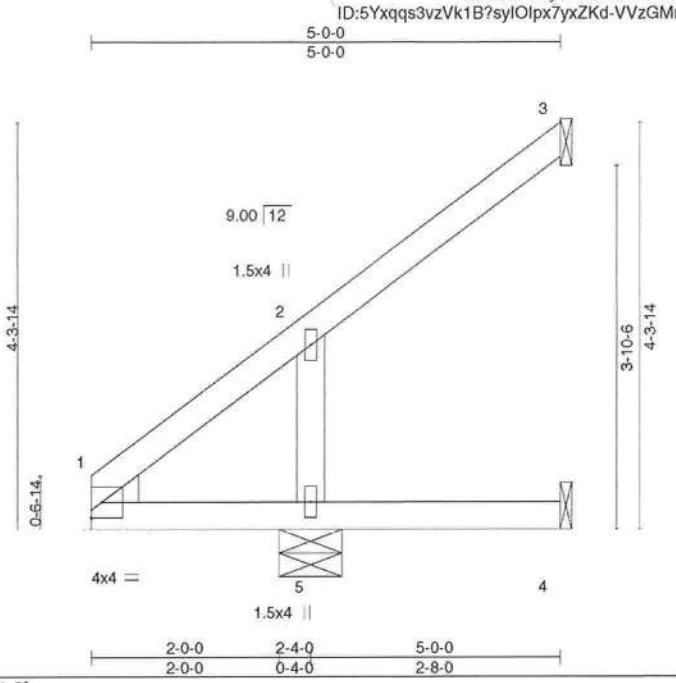

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.30	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.29	Vert(CT)	0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.09	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=55/Mechanical, 4=-27/Mechanical, 5=515/0-8-0
Max Horz 5=89(LC 12)
Max Uplift 3=-45(LC 12), 4=-27(LC 1)
Max Grav 3=70(LC 17), 4=19(LC 10), 5=515(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-343/138

NOTES-
1) 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4.
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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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J2	Jack-Open	12	1	T15058633
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:43 2018 Page 1
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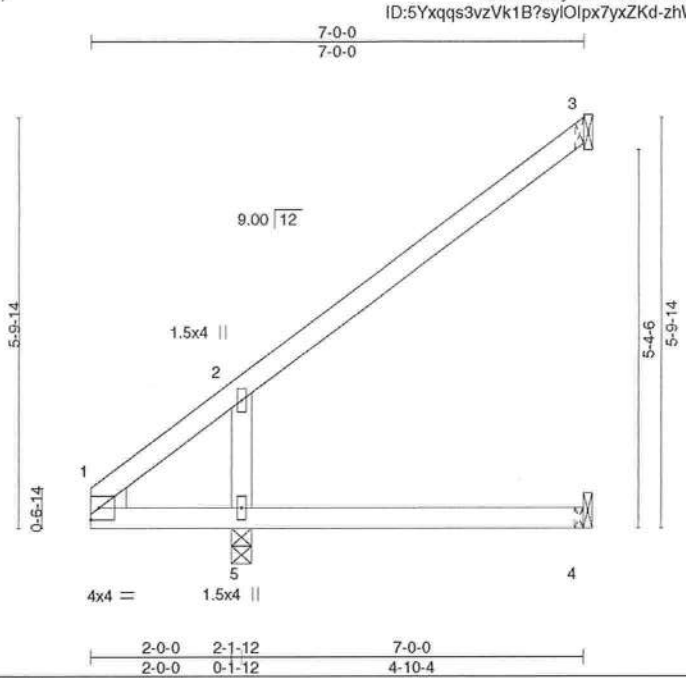

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.40	Vert(LL)	0.08	4-5	>753	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.34	Vert(CT)	0.07	4-5	>859	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	-0.14	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 27 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=173/Mechanical, 4=37/Mechanical, 5=552/0-3-8
Max Horz 5=125(LC 12)
Max Uplift 3=-73(LC 12), 4=-34(LC 12), 5=-12(LC 12)
Max Grav 3=177(LC 17), 4=76(LC 3), 5=552(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-465/140

NOTES-
1) 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 5.
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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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J3	Jack-Open	12	1	T15058634
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:43 2018 Page 1
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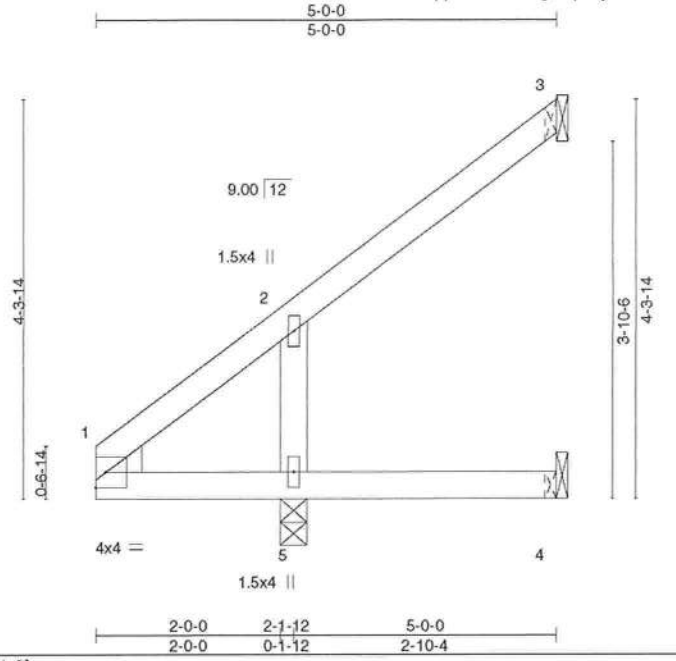

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.29	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.23	Vert(CT)	0.01	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.04	Horz(CT)	-0.06	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 20 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=74/Mechanical, 4=-11/Mechanical, 5=480/0-3-8
Max Horz 5=89(LC 12)
Max Uplift 3=-48(LC 12), 4=-31(LC 9), 5=-9(LC 12)
Max Grav 3=85(LC 17), 4=24(LC 3), 5=480(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-334/117

NOTES-
1) 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; porch left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 5.
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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September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	J4	Jack-Open	16	1	T15058635
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:44 2018 Page 1
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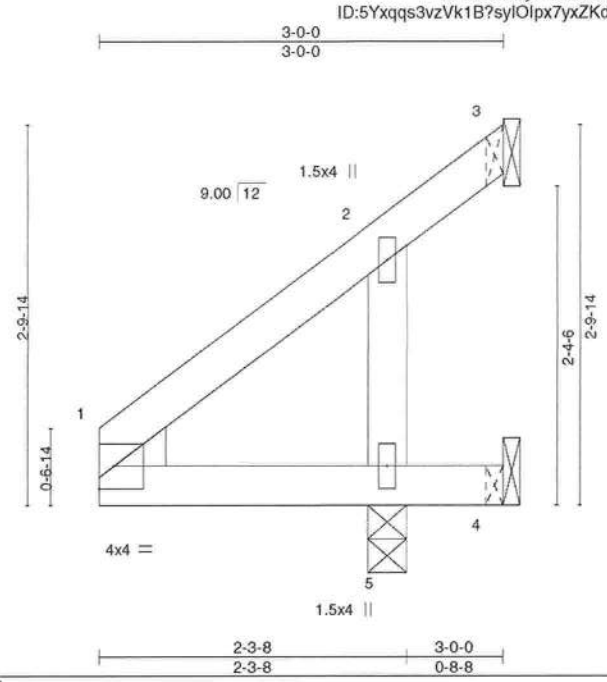

Plate Offsets (X,Y)-- [1:0-0-11,0-0-8], [1:0-4-7,0-1-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.22	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	0.00	4-5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	-0.05	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 13 lb	FT = 0%

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

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

REACTIONS. (lb/size) 3=-108/Mechanical, 4=-168/Mechanical, 5=599/0-3-8
Max Horz 5=53(LC 12)
Max Uplift 3=-108(LC 1), 4=-168(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 2-5=-311/115

NOTES-
1) 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
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 3=108, 4=168.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB01	Piggyback	1	1	T15058636
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:45 2018 Page 1
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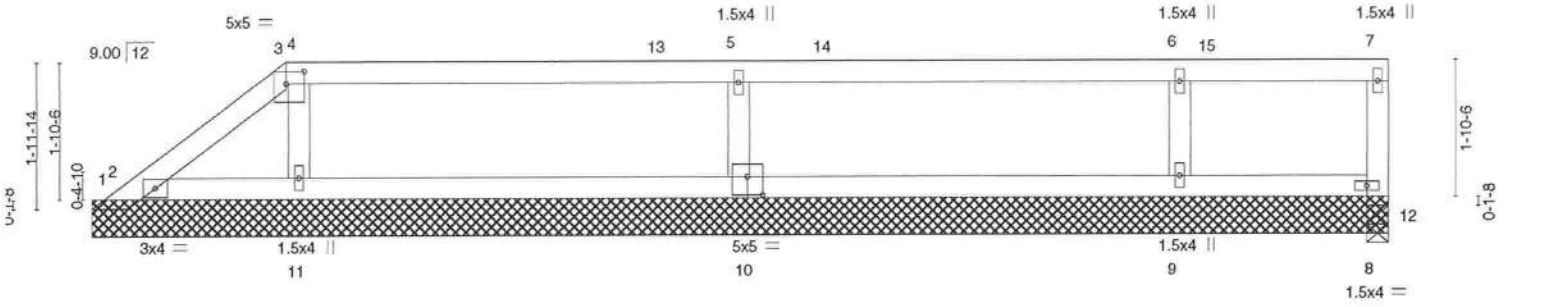

17-7-13 / 17-7-13

Plate Offsets (X,Y)-- [3:0-0-0,0-1-12], [3:0-3-0,0-2-0], [4:0-1-12,0-0-0], [10:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.57	Vert(LL)	-0.02	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	-0.04	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 60 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=56(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 9 except 2=-159(LC 22)
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 10=714(LC 22), 11=511(LC 1), 9=550(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-10=-588/182, 4-11=-408/153, 6-9=-449/140

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) Bearing at joint(s) 12, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 9 except (jt=lb) 2=159.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

Philip J. O'Regan PE No.58126
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6904 Parke East Blvd. Tampa FL 33610
Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB02	Piggyback	1	1	T15058637
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:46 2018 Page 1
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4-7-13 / 4-7-13 | 17-7-13 / 13-0-0

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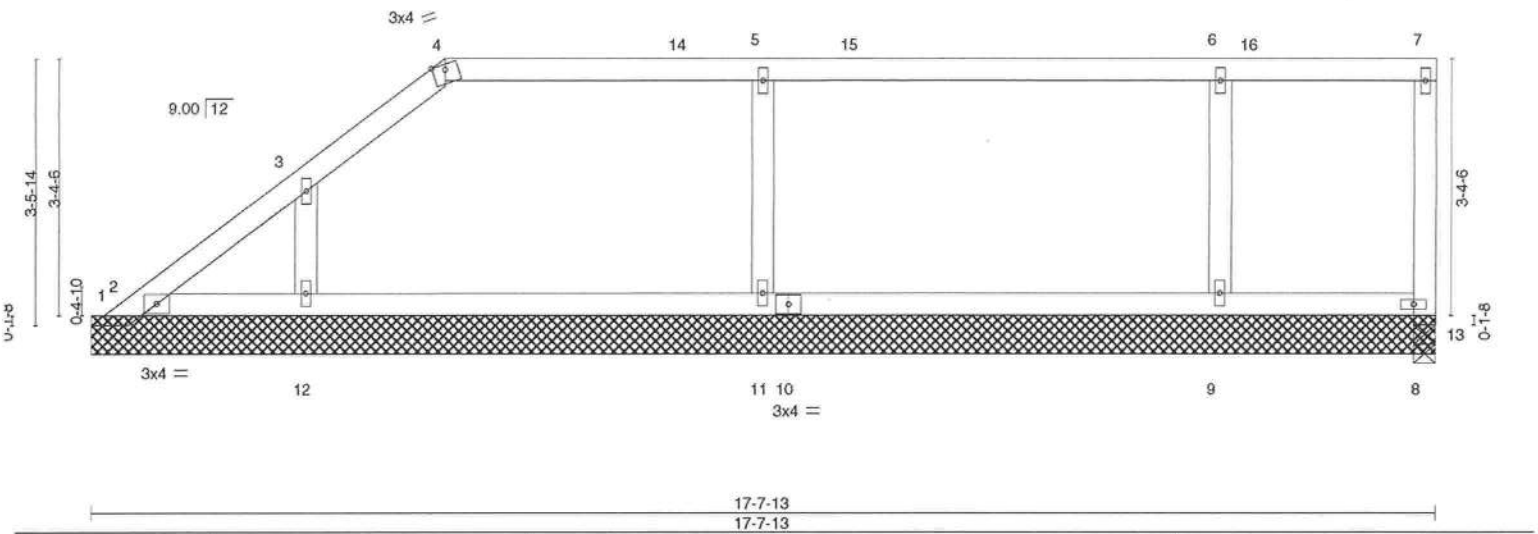


17-7-13 / 17-7-13

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.02	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	-0.04	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.10	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 68 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-

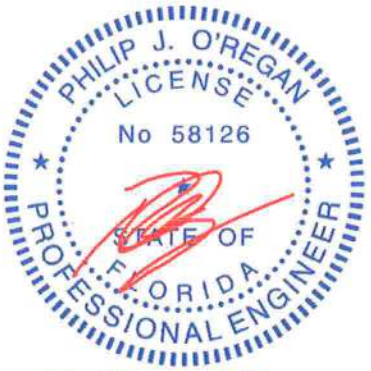
TOP CHORD	Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=101(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=700(LC 1), 12=547(LC 1), 9=509(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-11=-570/186, 3-12=-450/226, 6-9=-431/133

NOTES-

1) 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
2) Provide adequate drainage to prevent water ponding.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
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) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 11, 12, 9, 8.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.



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Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB03	Piggyback	1	1	T15058638
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:47 2018 Page 1
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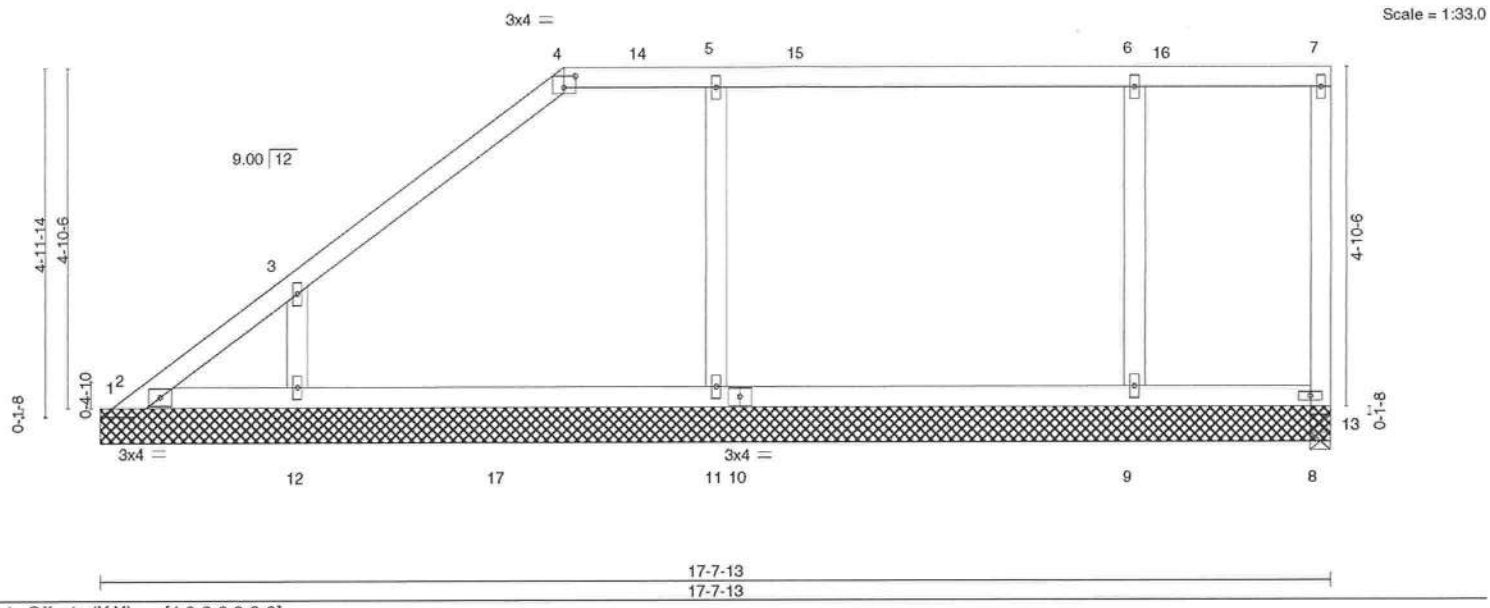

Plate Offsets (X,Y)-- [4:0-2-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	-0.05	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.36	Vert(CT)	-0.07	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 75 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=146(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=811(LC 17), 12=570(LC 17), 9=624(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-292/254, 2-3=-268/279
WEBS 5-11=-580/227, 3-12=-455/259, 6-9=-427/128

NOTES-
1) 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
2) Provide adequate drainage to prevent water ponding.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 11, 12, 9, 8.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB04	Piggyback	1	1	T15058639
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:47 2018 Page 1
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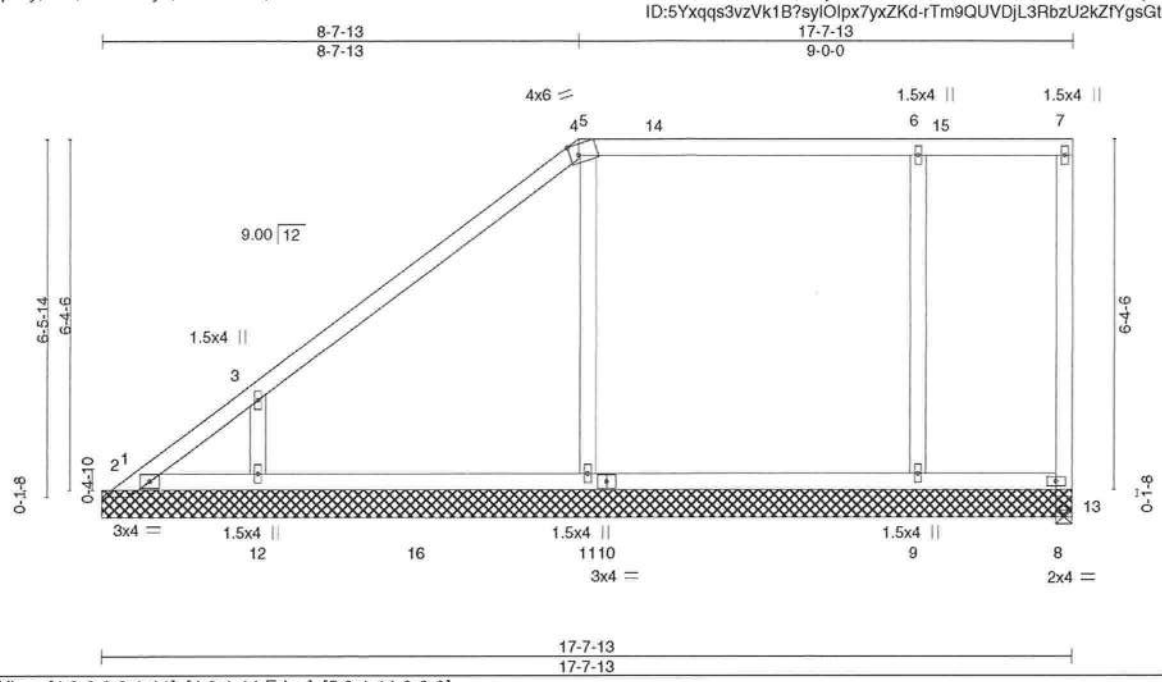

Plate Offsets (X,Y)-- [4:0-0-9,0-1-11], [4:0-1-14,Edge], [5:0-1-11,0-0-9]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.50	Vert(LL)	-0.05	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.36	Vert(CT)	-0.07	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.35	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 83 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=191(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 12, 9, 8 except 2=-148(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=798(LC 17), 12=617(LC 17), 9=672(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-390/339, 2-3=-368/382
WEBS 5-11=-537/260, 3-12=-502/271, 6-9=-478/150

NOTES-
1) 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
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
5) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 12, 9, 8 except (jt=lb) 2=148.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB05	Piggyback	1	1	T15058640
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:48 2018 Page 1
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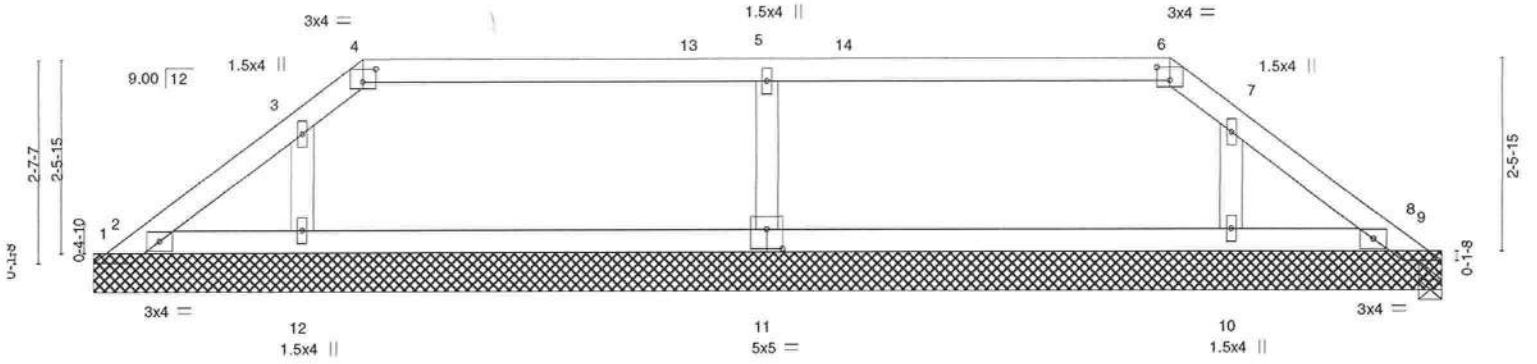
3-5-15 | 13-10-15 | 17-4-13
3-5-15 | 10-5-0 | 3-5-15

Scale = 1:29.8



17-4-13
17-4-13

Plate Offsets (X,Y)-- [4:0-2-0,0-2-0], [6:0-2-0,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.50	Vert(LL)	-0.02	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.29	Vert(CT)	-0.04	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 59 lb	FT = 0%

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

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

REACTIONS. All bearings 17-4-13 except (jt=length) 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 1=48(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 9 except 2=301(LC 1), 11=680(LC 1), 12=276(LC 21), 10=275(LC 22), 8=307(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-385/75, 3-4=-378/123, 4-5=-273/108, 5-6=-273/108, 6-7=-378/123, 7-8=-385/75
BOT CHORD 2-12=-21/273, 11-12=-21/273, 10-11=-21/273, 8-10=-21/273
WEBS 5-11=-553/176

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 8.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB06	Piggyback	1	1	T15058641
					Job Reference (optional)

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

8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:49 2018 Page 1
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5-5-15 | 11-10-15 | 17-4-13
5-5-15 | 6-5-0 | 5-5-15

Scale = 1:29.8

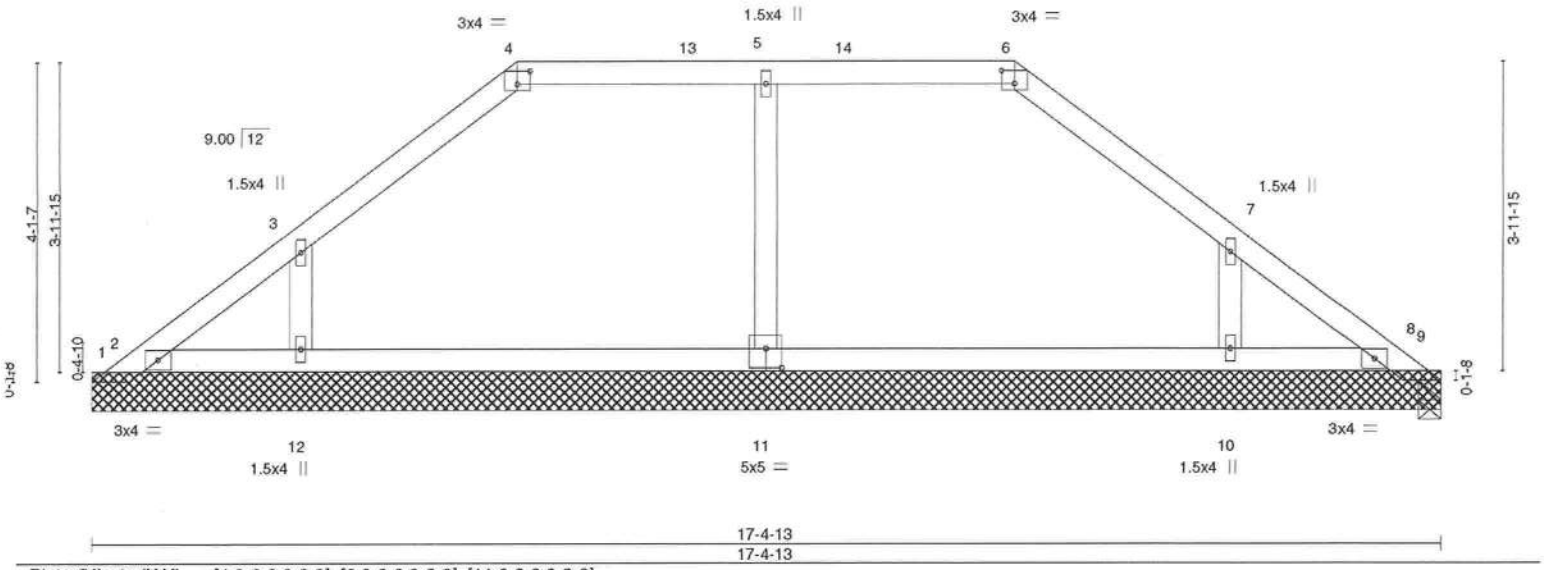

Plate Offsets (X,Y)-- [4:0-2-0,0-2-0], [6:0-2-0,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.21	Vert(LL)	-0.02	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.29	Vert(CT)	-0.04	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.09	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 63 lb	FT = 0%

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

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

REACTIONS. All bearings 17-4-13 except (jt=length) 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 1=77(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 12, 10, 8, 9
Max Grav All reactions 250 lb or less at joint(s) 1, 9, 9 except 2=315(LC 1), 11=477(LC 22), 12=415(LC 21), 10=414(LC 22), 8=320(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-409/29, 3-4=-455/128, 4-5=-293/130, 5-6=-293/130, 6-7=-455/128, 7-8=-409/29
BOT CHORD 2-12=-3/293, 11-12=-3/293, 10-11=-3/293, 8-10=-3/293
WEBS 5-11=-350/104, 3-12=-313/130, 7-10=-313/130

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 12, 10, 8, 9.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB07	Piggyback	1	1	T15058642
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:50 2018 Page 1
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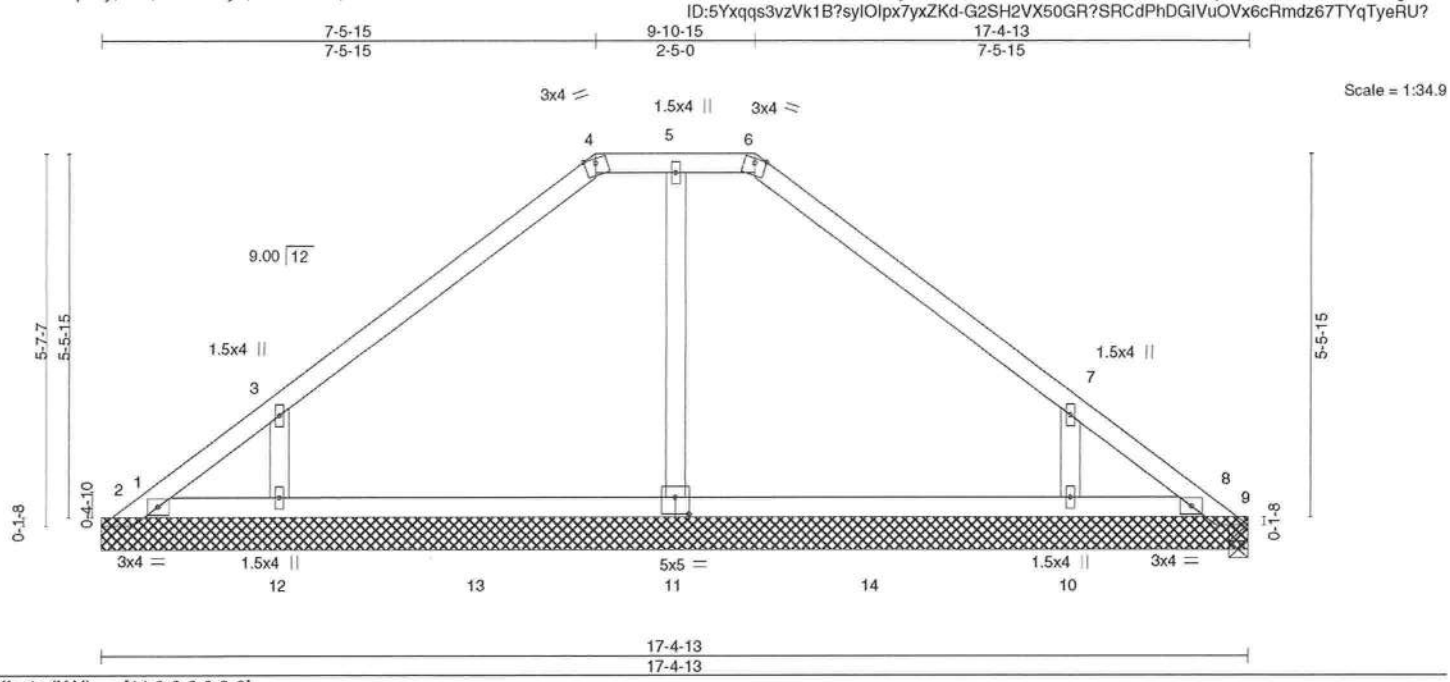

Plate Offsets (X,Y)-- [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.45	Vert(LL)	-0.02	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.33	Vert(CT)	-0.04	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.08	Horz(CT)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 67 lb	FT = 0%

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

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

REACTIONS. All bearings 17-4-13 except (jt=length) 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 1=106(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 12, 10, 8, 9
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8, 9, 9 except 11=420(LC 17), 12=587(LC 21), 10=584(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-360/27, 3-4=-507/174, 4-5=-289/187, 5-6=-289/187, 6-7=-507/174, 7-8=-356/18
BOT CHORD 2-12=0/289, 11-12=0/289, 10-11=0/289, 8-10=0/289
WEBS 3-12=-489/219, 7-10=-488/219

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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, with BCDL = 10.0psf.
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 12, 10, 8, 9.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

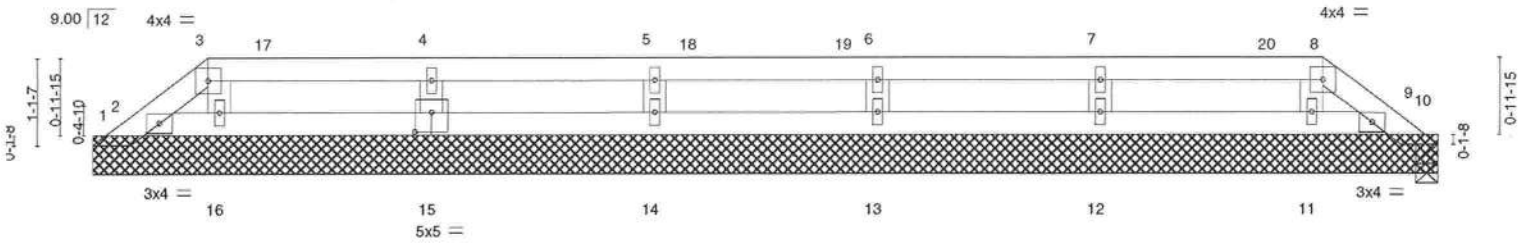
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB08	Piggyback	1	1	T15058643
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:51 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-kE?gFrYjnaZs4bnpzPkVqiQeHLX6AEd6KnC6MvyeRU_

1-5-15 | 15-10-15 | 17-4-13
1-5-15 | 14-5-0 | 1-5-15

Scale = 1:29.8



17-4-13
17-4-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.13	Vert(LL)	-0.00	12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.06	Vert(CT)	-0.00	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 55 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 or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-4-13 except (jt=length) 10=0-3-8, 10=0-3-8.
(lb) - Max Horz 1=19(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 15, 14, 13, 12, 9
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 16, 11, 9, 10, 10 except 15=338(LC 22), 14=313(LC 21), 13=313(LC 22), 12=338(LC 21)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-15=-280/90, 5-14=-255/82, 6-13=-255/82, 7-12=-280/90

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
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) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 15, 14, 13, 12, 9.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERANCE 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.

MiTek
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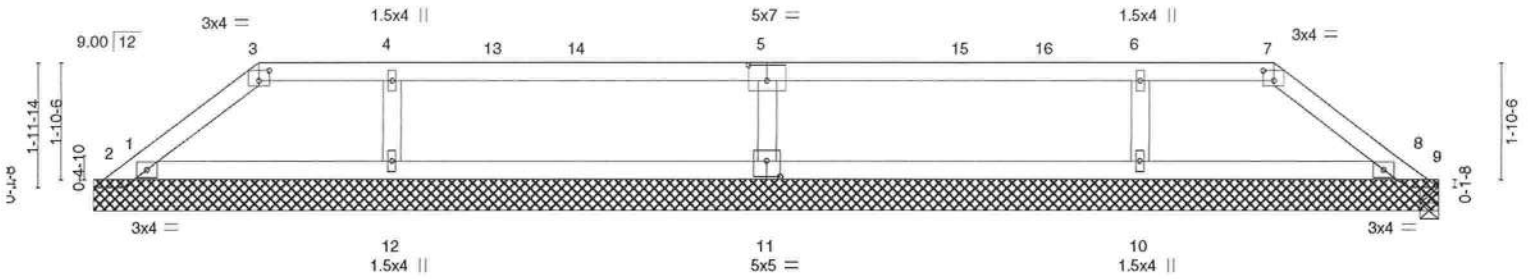
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB09	Piggyback	1	1	T15058644
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:52 2018 Page 1
ID:5Yxqqs3vzVk1B?syIOlpx7yxZKd-CQZ2TBZLYuhjilM?W6FkNwzjYko3vgLGZRyfuLyeRTz

2-7-13 / 2-7-13 | 18-10-13 / 16-3-0 | 21-6-11 / 2-7-13

Scale = 1:36.9



21-6-11 / 21-6-11

Plate Offsets (X,Y)-- [3:0-2-0,0-2-0], [5:0-3-8,0-3-0], [7:0-2-0,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.54	Vert(LL)	-0.02	11-12	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	-0.04	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(CT)	0.00	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 lb	FT = 0%

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

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

REACTIONS. All bearings 21-6-11 except (jt=length) 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 1=36(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 11, 12, 10, 8, 9, 9 except 1=-129(LC 21)
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 2=374(LC 21), 11=699(LC 21), 12=568(LC 21), 10=568(LC 22), 8=346(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-11=-574/176, 4-12=-458/136, 6-10=-459/136

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 11, 12, 10, 8, 9 except (jt=lb) 1=129.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB10	Piggyback	13	1	T15058645
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:53 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-gd7QgXazJBpaJuxB4qmzv7WuH86Oe2UPo5hCQoyeRTy

9-10-5 | 19-8-11
9-10-5 | 9-10-5

Scale = 1:46.0

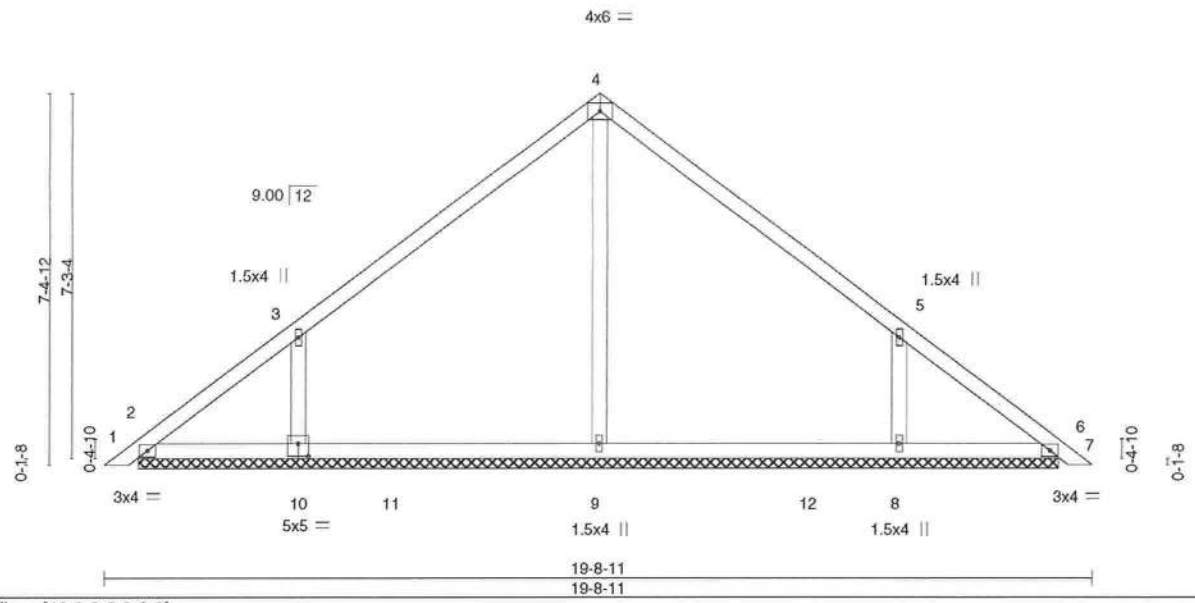

Plate Offsets (X,Y)-- [10:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	-0.00	7	n/r	120	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.39	Vert(CT)	-0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.32	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 80 lb	FT = 0%

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

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

REACTIONS. All bearings 18-4-5.
(lb) - Max Horz 2=139(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=656(LC 17), 10=644(LC 17), 8=644(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-272/143, 4-5=-272/143
WEBS 4-9=-388/0, 3-10=-525/254, 5-8=-525/254

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10, 8.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

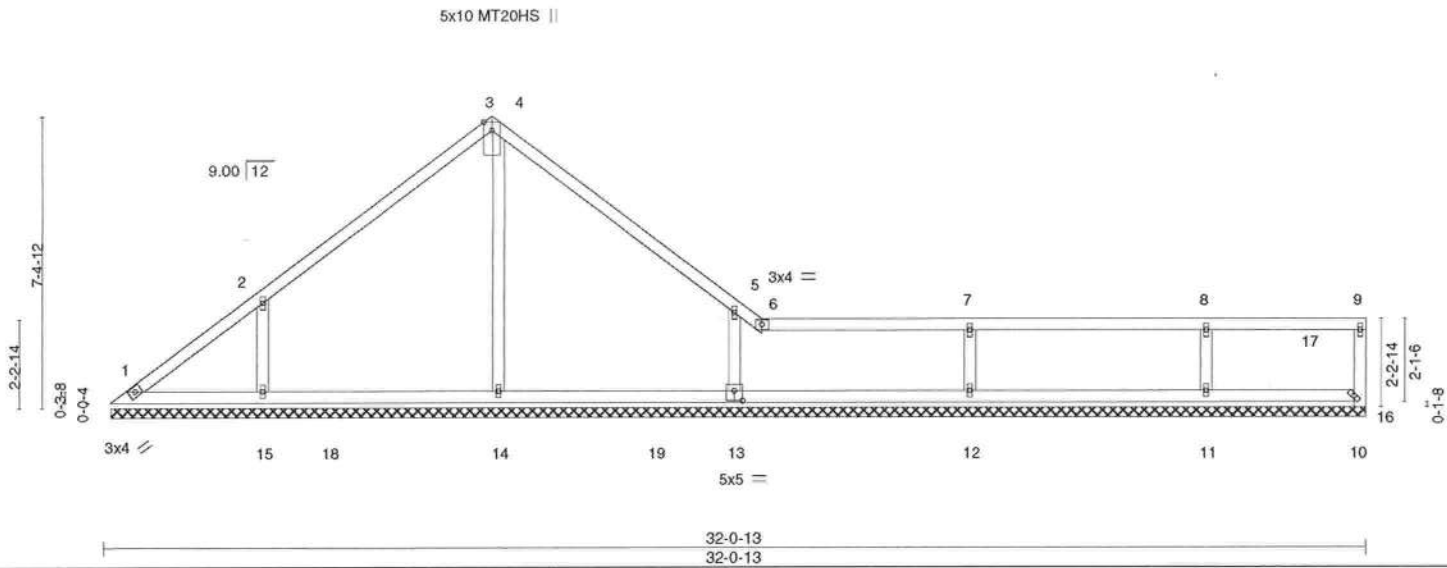
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB11	Piggyback	1	1	T15058646
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:30:16 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-uuHwxFkfbiqi5NXSOrC3JHVPa_Mz3mv9n4Nc5cyeP3r

9-10-5 | 16-8-13 | 32-0-13
9-10-5 | 6-10-8 | 15-4-0

Scale = 1:58.6



32-0-13
32-0-13

Plate Offsets (X,Y)-- [3:0-2-3,0-0-0], [4:0-1-5,0-1-12], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.41	Horz(CT)	-0.00	10	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 124 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 31-10-8.
(lb) - Max Horz 1=163(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 15, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 13=686(LC 22), 14=782(LC 17), 15=650(LC 17), 12=680(LC 1), 11=598(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-13=-567/257, 4-14=-505/14, 2-15=-516/238, 7-12=-557/163, 8-11=-489/153

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
9) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 15, 12, 11.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

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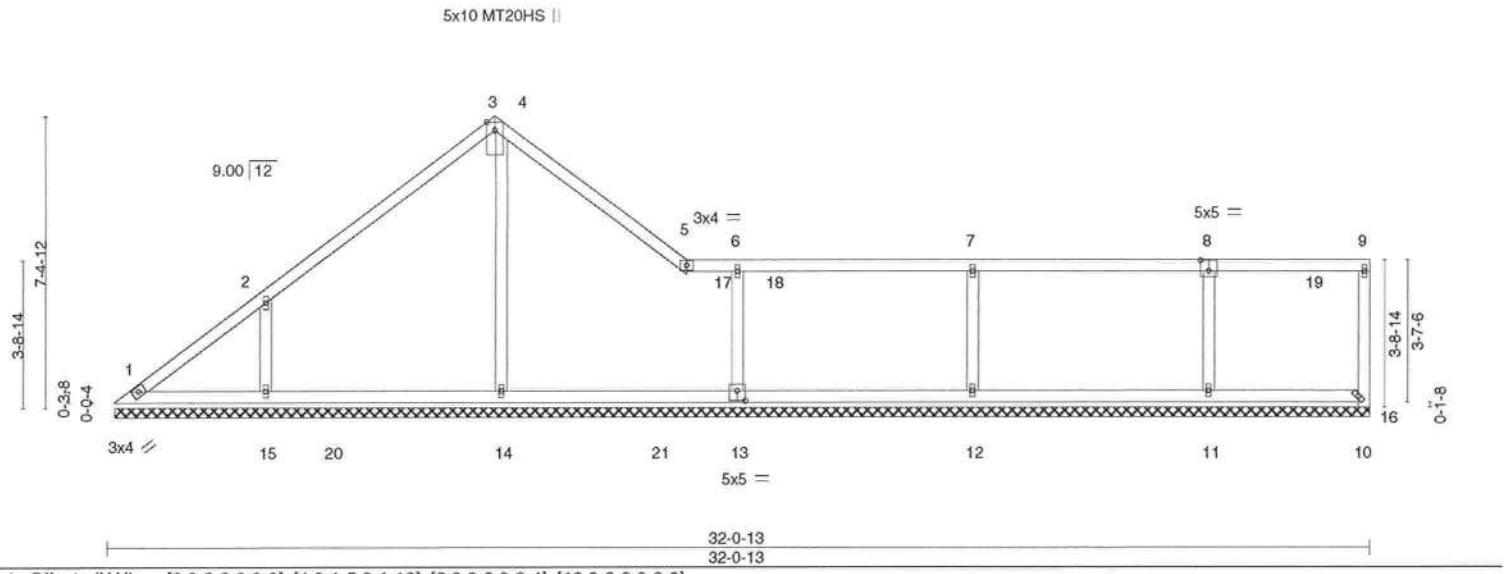
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB12	Piggyback	1	1	T15058647
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:30:28 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-XC?SSMtBmOL?XDSm5MQtop?SwpSotBdwYyHEWwyeP3f

9-10-5 | 14-8-13 | 32-0-13
9-10-5 | 4-10-8 | 17-4-0

Scale = 1:58.6



32-0-13
32-0-13

Plate Offsets (X,Y)-- [3:0-2-3,0-0-0], [4:0-1-5,0-1-12], [8:0-2-8,0-3-4], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.56	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.42	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 131 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 31-10-8.
(lb) - Max Horz 1=179(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 15, 12, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 13=692(LC 22), 14=789(LC 17), 15=652(LC 17), 12=667(LC 1), 11=616(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-13=-573/243, 4-14=-524/110, 2-15=-517/244, 7-12=-545/161, 8-11=-499/158

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
9) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 15, 12, 11, 10.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

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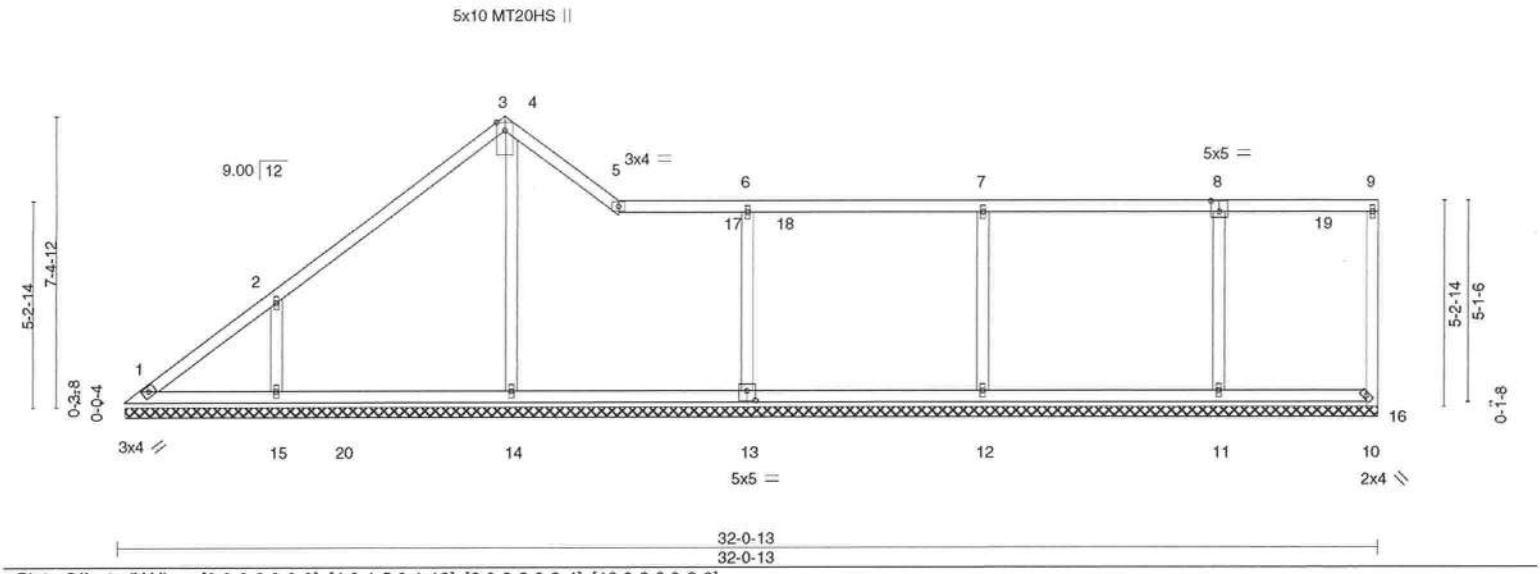
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB13	Piggyback	1	1	T15058648
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:30:40 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-BWj_zS0jx4rIz3N3otdhHLVUOfYghdUhIpCtxDyeP3T

9-10-5 | 12-8-13 | 32-0-13
9-10-5 | 2-10-8 | 19-4-0

Scale = 1:58.7



32-0-13
32-0-13

Plate Offsets (X,Y)-- [3:0-2-3,0-0-0], [4:0-1-5,0-1-12], [8:0-2-8,0-3-4], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 140 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 31-10-8.
(lb) - Max Horz 1=194(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 15, 12, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 13=797(LC 18), 14=792(LC 17), 15=649(LC 17), 12=766(LC 17), 11=714(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-243/261
WEBS 6-13=-577/214, 4-14=-533/178, 2-15=-516/251, 7-12=-541/168, 8-11=-506/156

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
9) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 15, 12, 11, 10.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

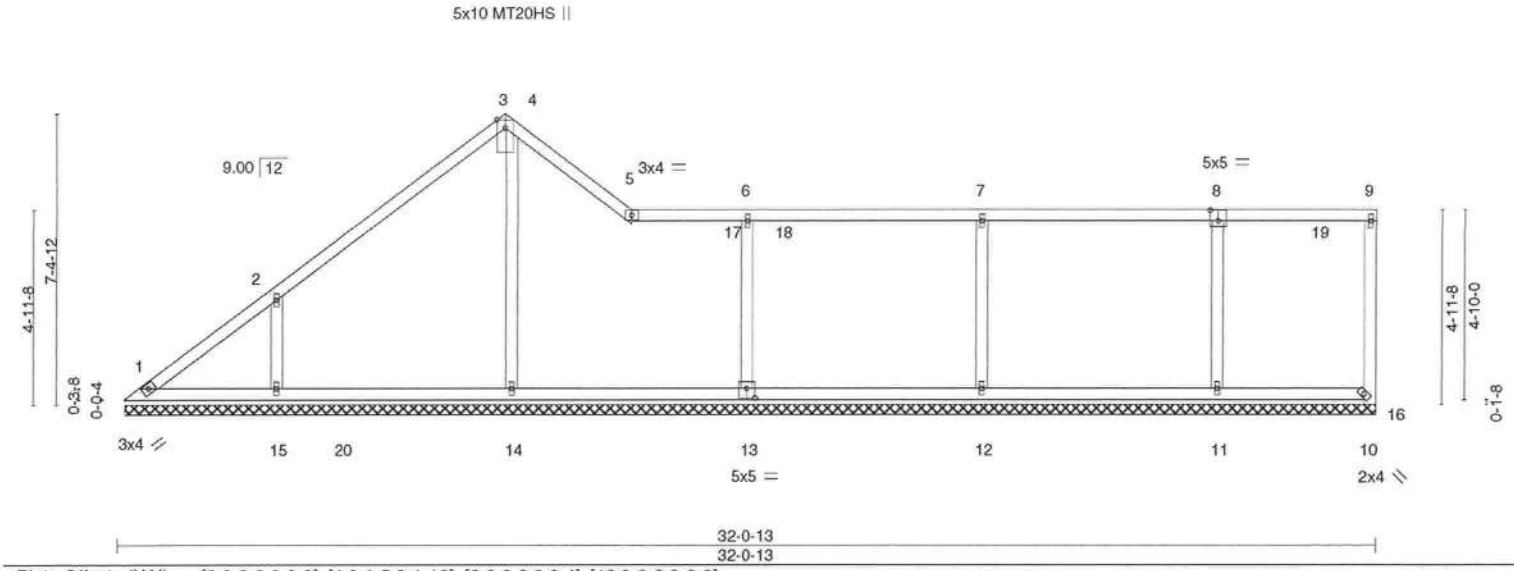
Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB14	Piggyback	1	1	T15058649
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:30:50 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-uRKm4t8_a96tAc8_O_p1hSvClhz018z9cNdPleyeP3J

9-10-5 / 9-10-5 | 13-1-5 / 3-3-0 | 32-0-13 / 18-11-8

Scale = 1:58.7



32-0-13 / 32-0-13

Plate Offsets (X,Y)-- [3:0-2-3,0-0-0], [4:0-1-5,0-1-12], [8:0-2-8,0-3-4], [13:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.60	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.38	Vert(CT)	n/a	-	n/a	999	MT20HS	187/143
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.43	Horz(CT)	0.01	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 138 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 31-10-8.
(lb) - Max Horz 1=191(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 15, 12, 11, 10
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 13=803(LC 18), 14=792(LC 17), 15=650(LC 17), 12=765(LC 17), 11=716(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 6-13=-578/221, 4-14=-533/167, 2-15=-516/249, 7-12=-539/166, 8-11=-507/157

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All plates are 1.5x4 MT20 unless otherwise indicated.
6) Gable requires continuous bottom chord bearing.
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, with BCDL = 10.0psf.
9) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 15, 12, 11, 10.
11) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB15	Piggyback	14	1	T15058650
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:58 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-1awJjEd67kRtQgq9tNM8cBDkv9q5JIh8xNPz5?yeRTt

10-9-5 | 21-6-11
10-9-5 | 10-9-5

Scale = 1:50.3

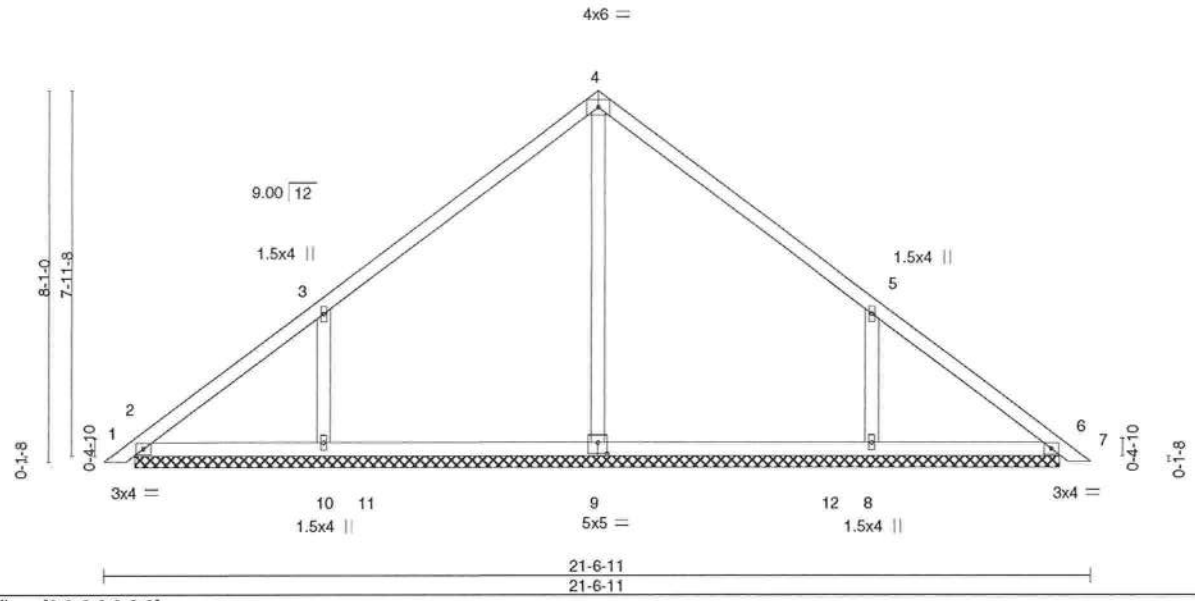

Plate Offsets (X,Y)-- [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.42	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 90 lb	FT = 0%

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

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

REACTIONS. All bearings 20-2-5.
(lb) - Max Horz 2=-152(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=665(LC 17), 10=705(LC 17), 8=704(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-271/159, 4-5=-271/159
WEBS 4-9=-385/0, 3-10=-547/265, 5-8=-547/265

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 8.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB15A	Piggyback	1	1	T15058651
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:45:59 2018 Page 1
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10-7-13 | 10-10-13 | 21-6-11
10-7-13 | 0-3-0 | 10-7-13

Scale = 1:50.7

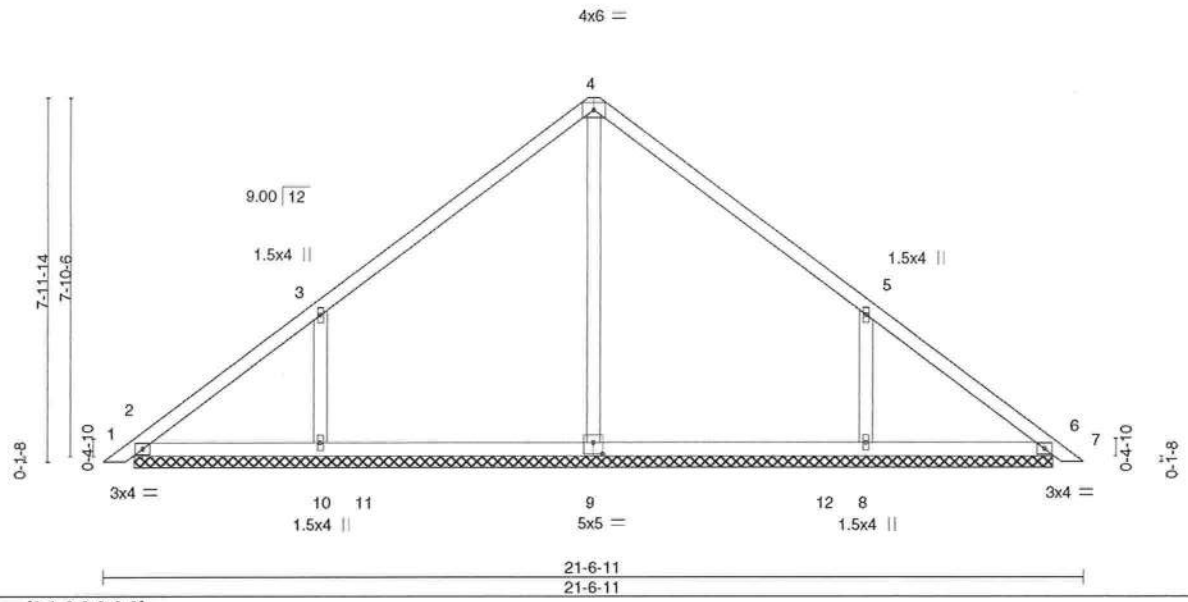

Plate Offsets (X,Y)-- [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.55	Vert(LL)	0.00	6	n/r	120	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.42	Vert(CT)	0.00	7	n/r	120		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.39	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 89 lb	FT = 0%

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

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

REACTIONS. All bearings 20-2-5.
(lb) - Max Horz 2=152(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 10, 8
Max Grav All reactions 250 lb or less at joint(s) 2, 6 except 9=665(LC 17), 10=705(LC 17), 8=704(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-271/159, 4-5=-271/159
WEBS 4-9=-385/0, 3-10=-547/265, 5-8=-547/265

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10, 8.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB16	Piggyback	8	1	T15058652
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:00 2018 Page 1
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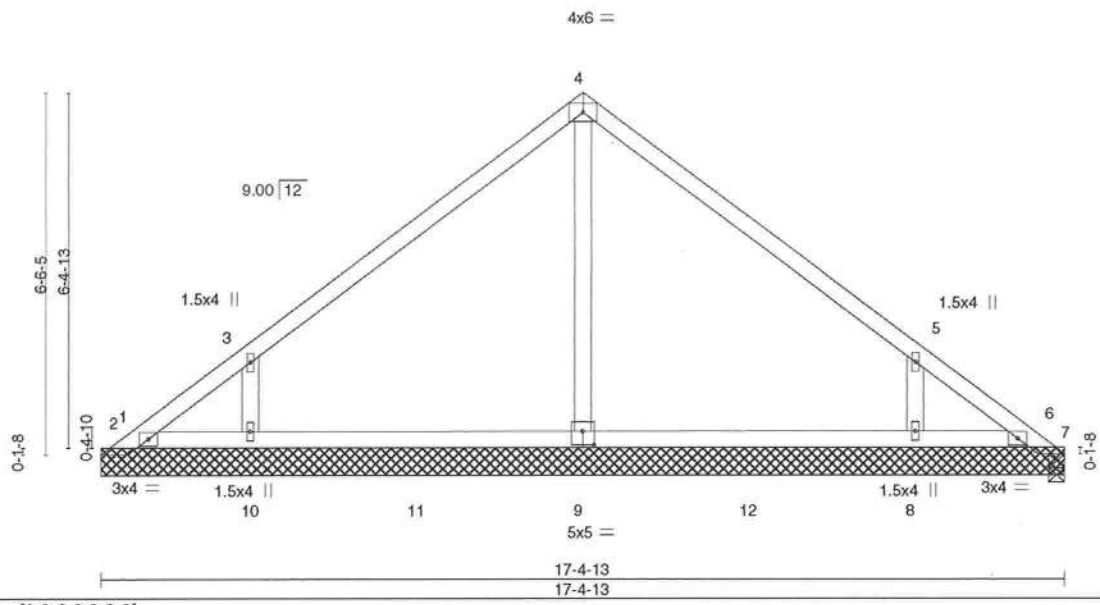

Plate Offsets (X,Y)-- [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.59	Vert(LL)	-0.02	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.31	Vert(CT)	-0.04	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 69 lb	FT = 0%

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

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

REACTIONS. All bearings 17-4-13 except (jt=length) 7=0-3-8, 7=0-3-8.
(lb) - Max Horz 1=123(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 8, 7 except 2=-184(LC 21), 6=-152(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 6, 7, 7 except 9=614(LC 17), 10=663(LC 21), 8=661(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-276/126, 4-5=-276/126
WEBS 4-9=-380/13, 3-10=-568/277, 5-8=-566/276

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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, with BCDL = 10.0psf.
5) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 8, 7 except (jt=lb) 2=184, 6=152.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB17	Piggyback	1	2	T15058653

Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:01 2018 Page 1
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8-8-7 / 8-8-7 | 17-2-15 / 8-6-8

Scale = 1:41.5

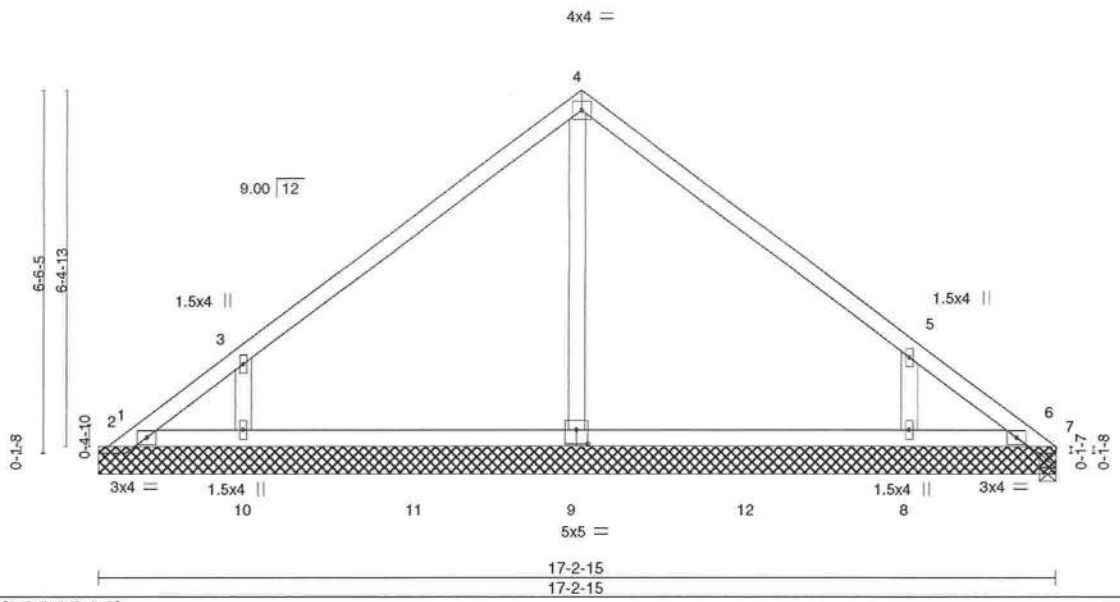

Plate Offsets (X,Y)-- [9:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.30	Vert(LL)	-0.01	8-9	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.16	Vert(CT)	-0.02	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.05	Horz(CT)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 137 lb	FT = 0%

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

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

REACTIONS. All bearings 17-2-15 except (jt=length) 7=0-3-8, 7=0-3-8.
(lb) - Max Horz 1=-122(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 1, 10, 8, 7 except 2=-218(LC 21), 6=-203(LC 18)
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 6, 7, 7 except 9=614(LC 17), 10=680(LC 21), 8=650(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 3-4=-277/123, 4-5=-277/125
WEBS 4-9=-379/15, 3-10=-584/286, 5-8=-553/269

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.
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 7-10; 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
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) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 10, 8, 7 except (jt=lb) 2=218, 6=203.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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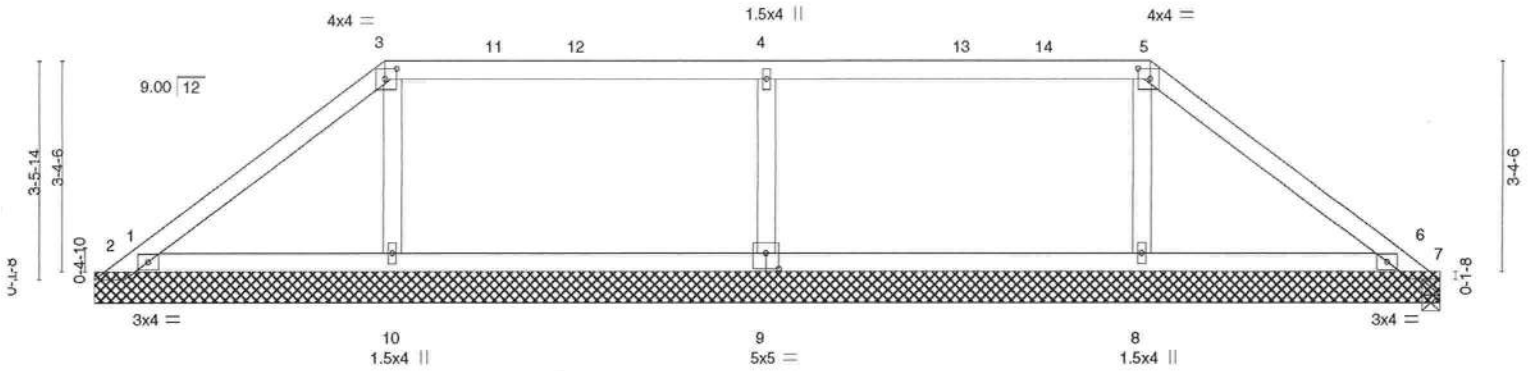
September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB18	Piggyback	1	1	T15058654
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:02 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-vLAqZchdByylvH7w6DQ4n1NO4mDTFB_ks?NBEmyeRTp

4-7-13 | 16-10-13 | 21-6-11
4-7-13 | 12-3-0 | 4-7-13

Scale = 1:36.9



21-6-11
21-6-11

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.67	Vert(LL)	-0.02	9-10	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.26	Vert(CT)	-0.04	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 78 lb	FT = 0%

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

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

REACTIONS. All bearings 21-6-11 except (jt=length) 7=0-3-8, 7=0-3-8.
(lb) - Max Horz 1=65(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 9, 6 except 1=-273(LC 17), 7=-182(LC 18), 7=-178(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 1, 7 except 2=533(LC 17), 9=766(LC 21), 10=487(LC 21), 8=488(LC 22), 6=481(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 4-9=-642/192, 3-10=-377/96, 5-8=-377/96

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 9, 6 except (jt=lb) 1=273, 7=182.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

MiTek
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB19	Piggyback	1	1	T15058655
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:03 2018 Page 1
ID:5Yxqqs3vzVk1B?sylOlpx7yxZKd-NYkCmyhFyG49WRi6gwyJJEwe1AX5_dSt5f6kmCyeRTo

6-7-13 | 14-10-13 | 21-6-11
6-7-13 | 8-3-0 | 6-7-13

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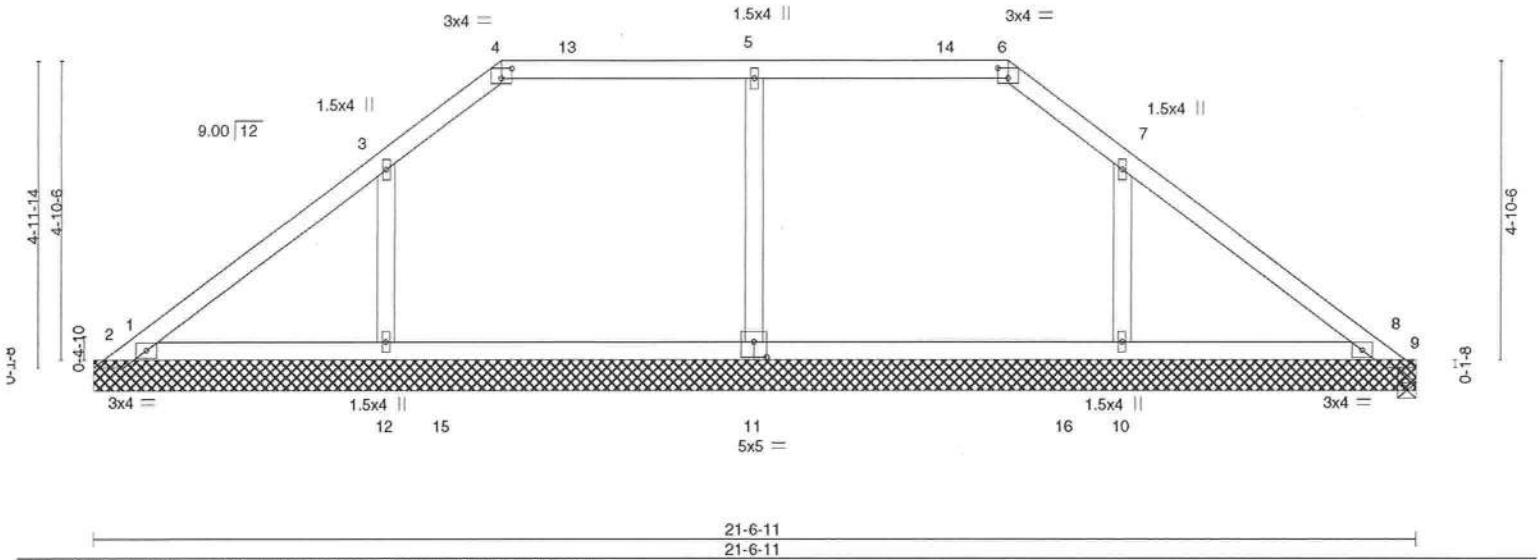

21-6-11
21-6-11

Plate Offsets (X,Y)-- [4:0-2-0,0-2-0], [6:0-2-0,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.34	Vert(LL)	-0.04	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.43	Vert(CT)	-0.06	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.17	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 82 lb	FT = 0%

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

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

REACTIONS. All bearings 21-6-11 except (jt=length) 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 1=94(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 10, 8 except 1=-269(LC 17), 9=-193(LC 1), 9=-193(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 2=708(LC 1), 11=700(LC 17), 12=488(LC 17), 10=487(LC 18), 8=654(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-417/28, 3-4=-382/105, 6-7=-382/105, 7-8=-417/24
WEBS 5-11=-451/132, 3-12=-322/149, 7-10=-323/149

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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, with BCDL = 10.0psf.
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 10, 8 except (jt=lb) 1=269, 9=193.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB20	Piggyback	1	1	T15058656
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:03 2018 Page 1
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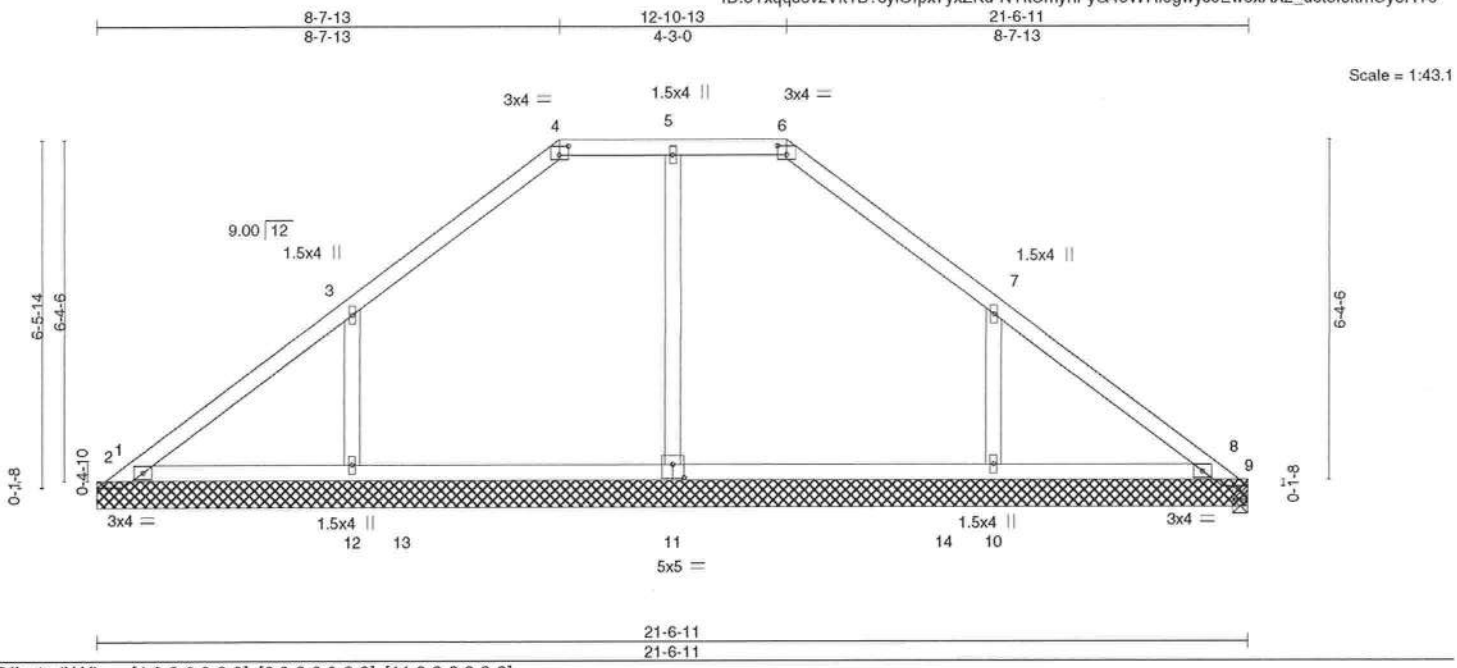

Plate Offsets (X,Y)-- [4:0-2-0,0-2-0], [6:0-2-0,0-2-0], [11:0-2-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.34	Vert(LL)	-0.04	10-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.43	Vert(CT)	-0.06	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.01	9	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 86 lb	FT = 0%

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

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

REACTIONS. All bearings 21-6-11 except (jt=length) 9=0-3-8, 9=0-3-8.
(lb) - Max Horz 1=123(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 10, 8 except 1=-229(LC 17), 9=-160(LC 1), 9=-160(LC 1)
Max Grav All reactions 250 lb or less at joint(s) 1, 9 except 2=683(LC 1), 11=524(LC 17), 12=584(LC 17), 10=584(LC 18), 8=637(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-460/21, 3-4=-479/143, 4-5=-282/151, 5-6=-282/151, 6-7=-479/143, 7-8=-460/16
BOT CHORD 2-12=0/282, 11-12=0/282, 10-11=0/282, 8-10=0/282
WEBS 3-12=-440/197, 7-10=-440/197

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
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, with BCDL = 10.0psf.
6) Bearing at joint(s) 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 10, 8 except (jt=lb) 1=229, 9=160.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB21	Piggyback	8	1	T15058657
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:04 2018 Page 1
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2-7-13 / 2-7-13 — 5-3-11 / 2-7-13

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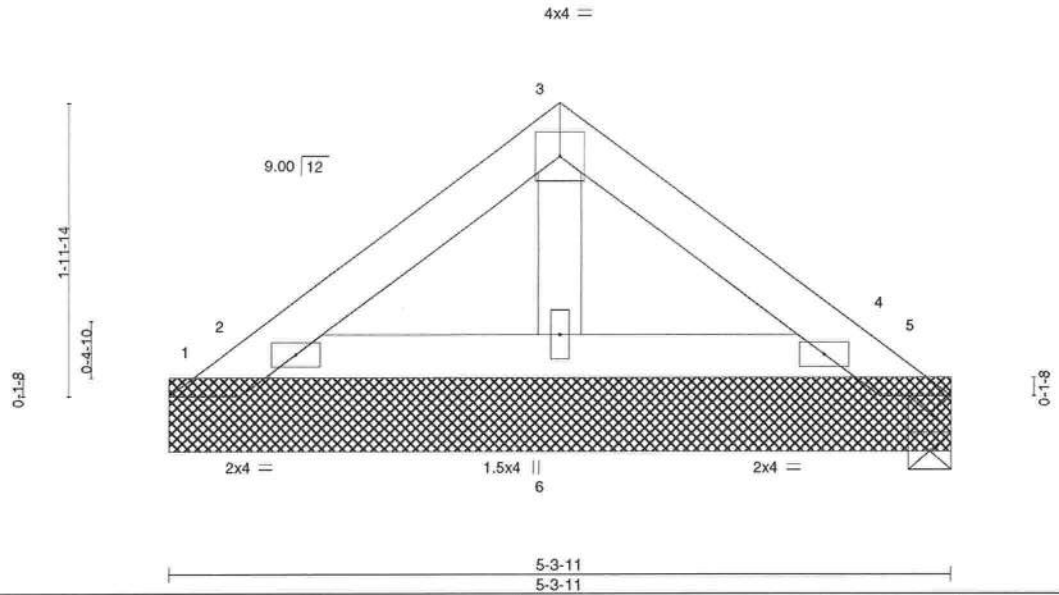

5-3-11 / 5-3-11

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.08	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.04	Vert(CT)	-0.00	6	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.01	Horz(CT)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-P							Weight: 18 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 5-3-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 5-3-11 except (jt=length) 5=0-3-8, 5=0-3-8.
(lb) - Max Horz 1=36(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 4, 5, 5
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 4, 6, 5

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 7-10; 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
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) Bearing at joint(s) 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 4, 5.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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September 12,2018

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB22	Piggyback	1	1	T15058658
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:05 2018 Page 1
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3-0-13 / 3-0-13 — 17-7-13 / 14-7-0

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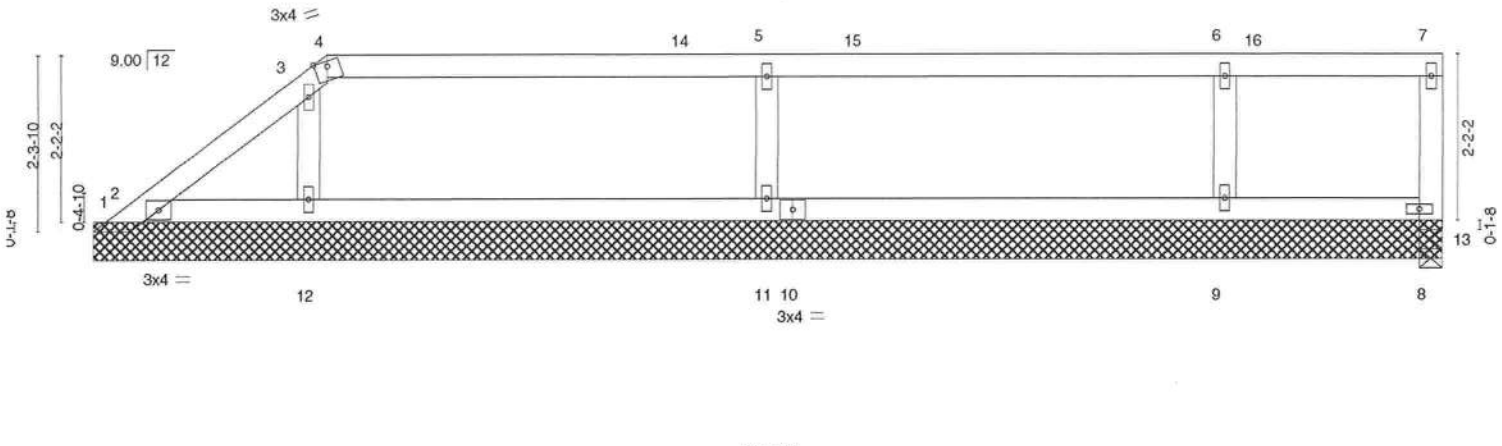

17-7-13 / 17-7-13

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.57	Vert(LL)	-0.02	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	-0.04	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 62 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=65(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=719(LC 1), 12=505(LC 1), 9=539(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-11=-591/183, 3-12=-405/164, 6-9=-441/138

NOTES-

1) 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
2) Provide adequate drainage to prevent water ponding.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
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) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 11, 12, 9, 8.
8) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB23	Piggyback	1	1	T15058659
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:06 2018 Page 1
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5-0-13 / 5-0-13 — 17-7-13 / 12-7-0

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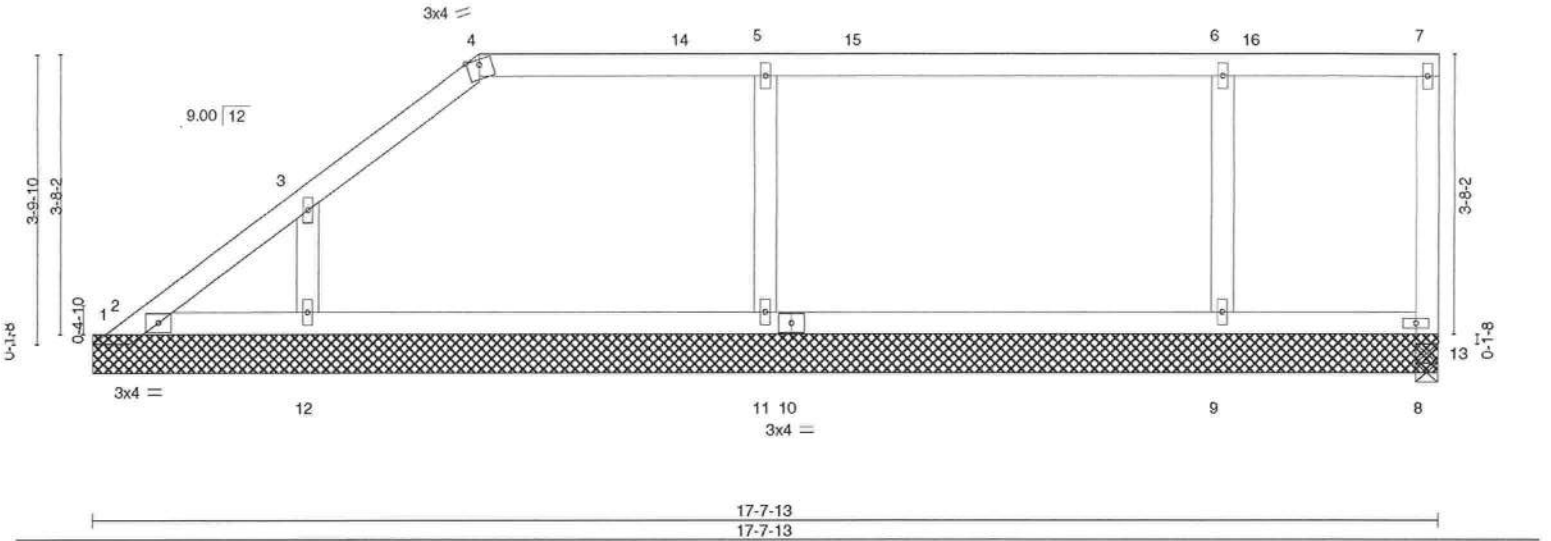

17-7-13 / 17-7-13

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.56	Vert(LL)	-0.02	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.27	Vert(CT)	-0.04	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 70 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=110(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 12, 8 except 2=-112(LC 22)
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=700(LC 1), 12=552(LC 1), 9=523(LC 22)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-11=-570/191, 3-12=-455/238, 6-9=-440/132

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
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) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 12, 8 except (jt=lb) 2=112.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB24	Piggyback	1	1	T15058660
					Job Reference (optional)

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

8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:07 2018 Page 1
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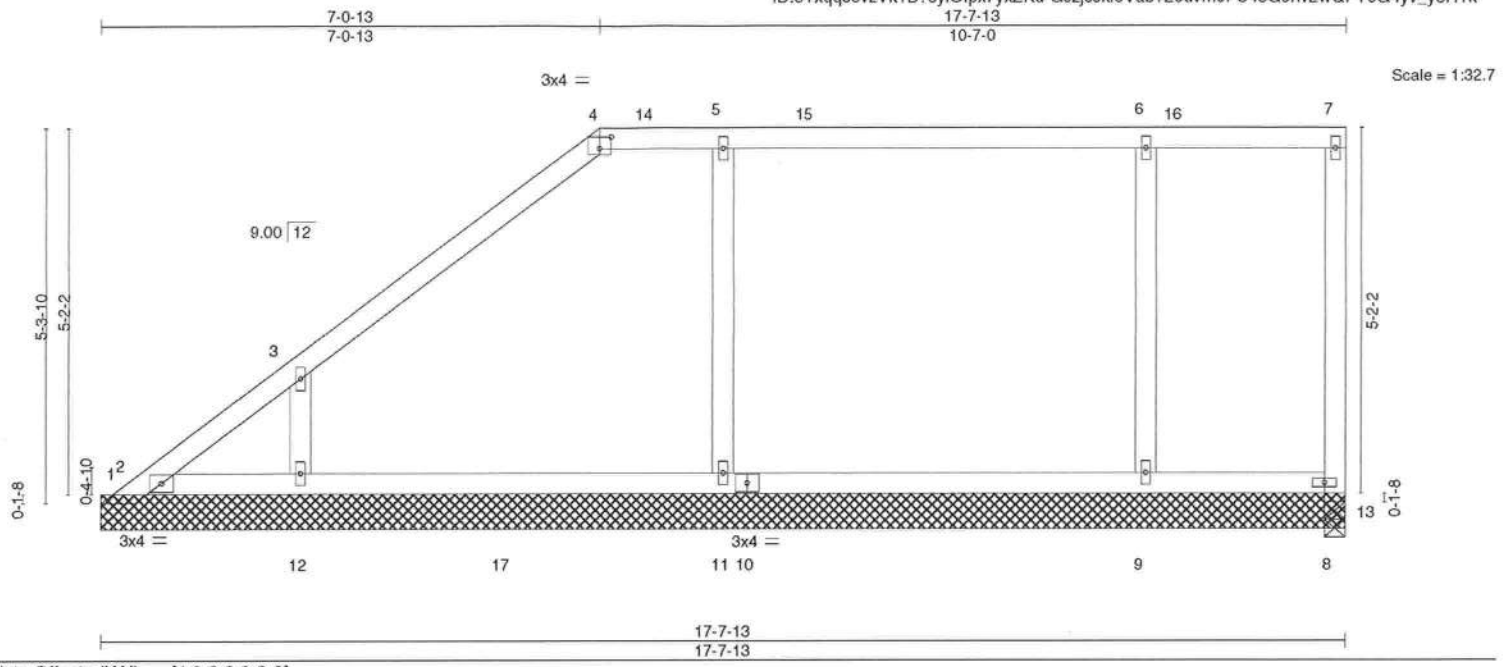

Plate Offsets (X,Y)-- [4:0-2-0,0-2-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.58	Vert(LL)	-0.05	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.36	Vert(CT)	-0.07	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 77 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=156(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 2, 11, 12, 9, 8
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=816(LC 17), 12=572(LC 17), 9=646(LC 24)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-313/273, 2-3=-289/300
WEBS 5-11=-580/238, 3-12=-455/259, 6-9=-473/127

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) 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
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
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) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 2, 11, 12, 9, 8.
9) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Date:

September 12,2018

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Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB25	Piggyback	1	1	T15058661
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:08 2018 Page 1
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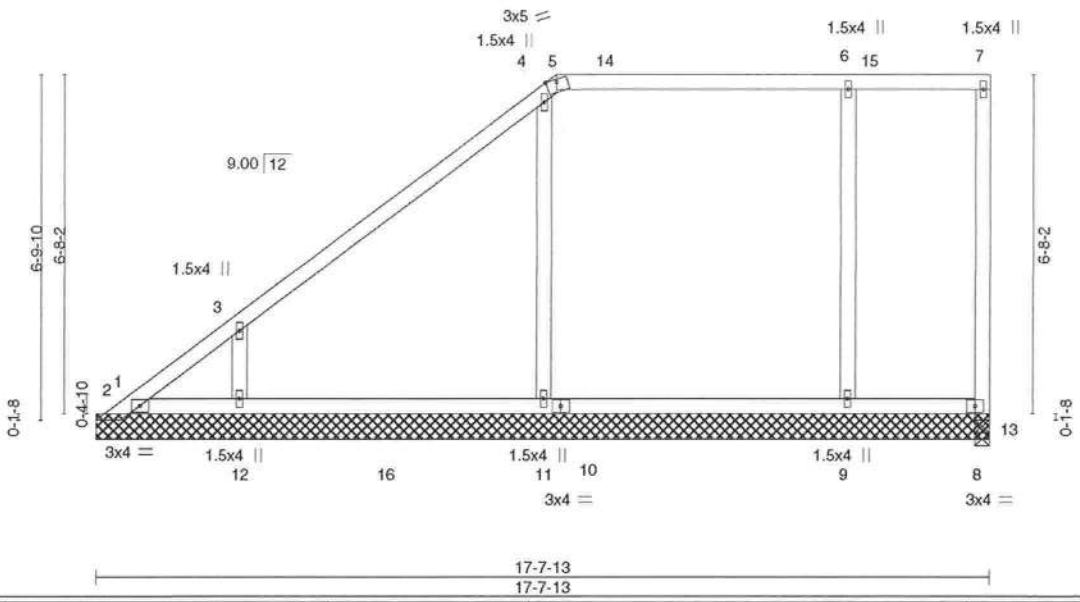

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.50	Vert(LL)	-0.05	9-11	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.36	Vert(CT)	-0.07	9-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.36	Horz(CT)	-0.00	13	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 84 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 17-7-13.
(lb) - Max Horz 1=201(LC 9)
Max Uplift All uplift 100 lb or less at joint(s) 1, 11, 12, 9, 8 except 2=-144(LC 17)
Max Grav All reactions 250 lb or less at joint(s) 1, 2, 8 except 11=808(LC 17), 12=613(LC 17), 9=663(LC 18)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-413/361, 2-3=-385/397
WEBS 4-11=-543/270, 3-12=-498/269, 6-9=-472/155

NOTES-

1) 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
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
5) Bearing at joint(s) 13, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 11, 12, 9, 8 except (jt=lb) 2=144.
7) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	PB26	Piggyback	1	1	T15058662
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.220 s May 29 2018 MiTek Industries, Inc. Wed Sep 12 11:34:21 2018 Page 1
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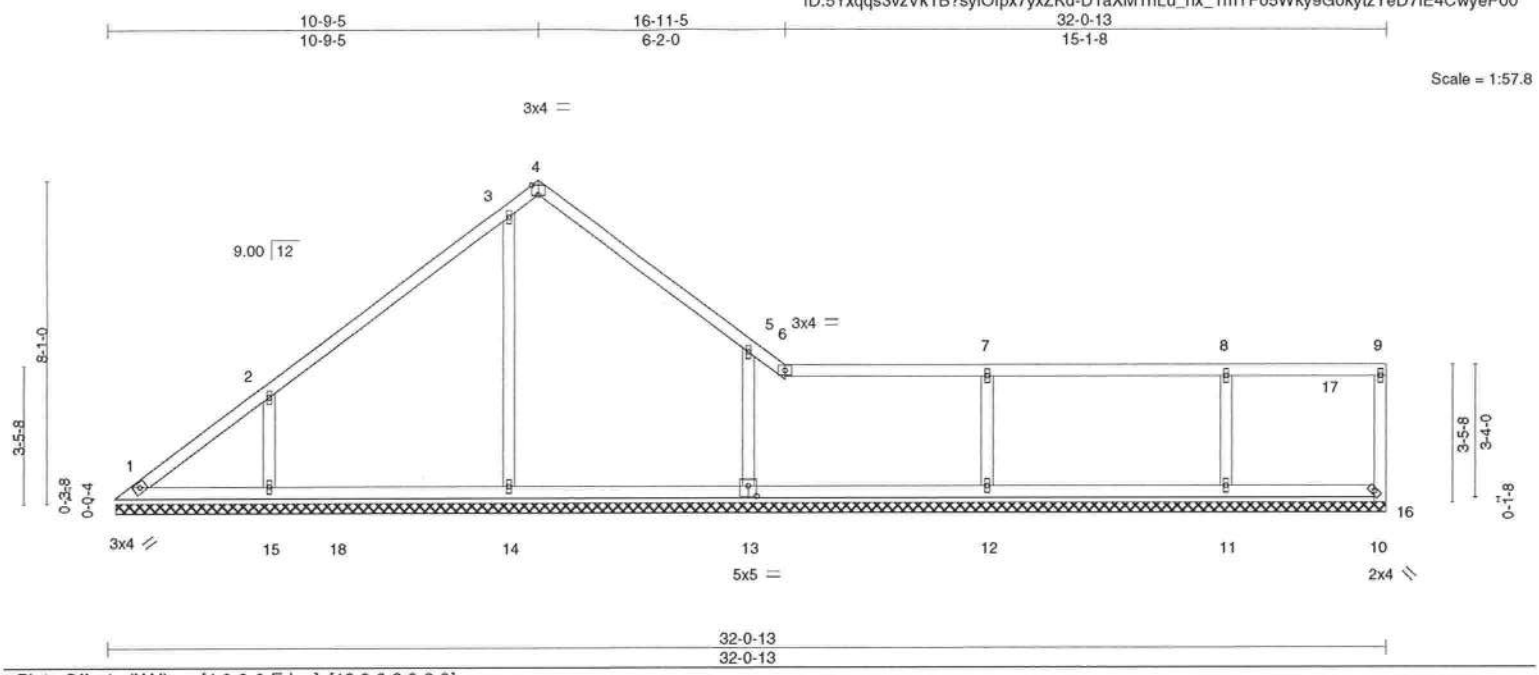

32-0-13
32-0-13

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.52	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.41	Vert(CT)	n/a	-	n/a	999		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.46	Horz(CT)	0.00	16	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-S							Weight: 132 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 or 6-0-0 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS. All bearings 31-10-8.
(lb) - Max Horz 1=190(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 1, 13, 15, 12, 11
Max Grav All reactions 250 lb or less at joint(s) 1, 10 except 13=724(LC 18), 14=847(LC 17), 15=632(LC 17), 12=681(LC 1), 11=594(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
WEBS 5-13=-563/221, 3-14=-534/83, 2-15=-508/277, 7-12=-558/174, 8-11=-486/158

NOTES-

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
3) Provide adequate drainage to prevent water ponding.
4) All plates are 1.5x4 MT20 unless otherwise indicated.
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, with BCDL = 10.0psf.
8) Bearing at joint(s) 16, 10 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 13, 15, 12, 11.
10) See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	T27	Flat Girder	1	2	T15058663

Job Reference (optional)

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

8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:09 2018 Page 1
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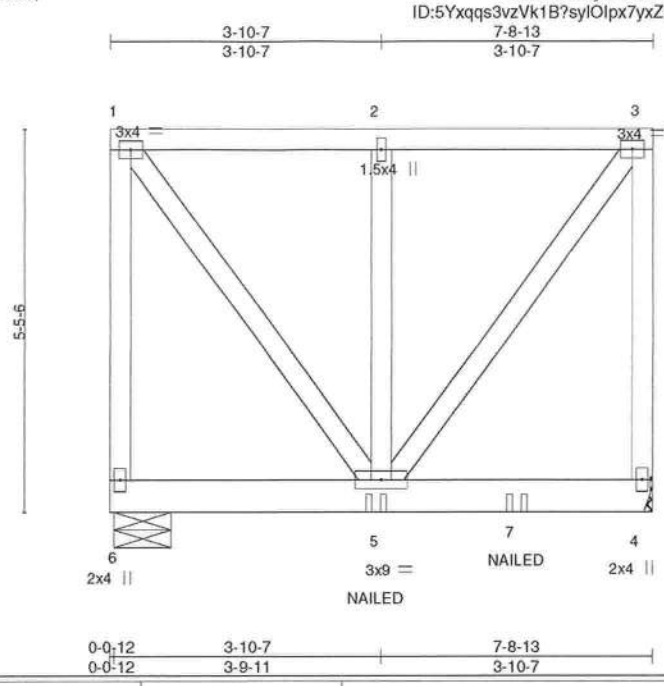

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.16	Vert(LL)	0.00	4-5	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.06	Vert(CT)	-0.01	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(CT)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-MP							Weight: 136 lb	FT = 0%

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

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

REACTIONS. (lb/size) 6=457/0-9-13, 4=490/Mechanical
Max Horz 6=-142(LC 6)
Max Uplift 6=-126(LC 4), 4=-174(LC 5)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-6=-426/149, 3-4=-426/149
WEBS 1-5=-160/369, 2-5=-416/65, 3-5=-160/369

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
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 7-10; 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); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=126, 4=174.
9) "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=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-3=-90, 4-6=-20
Concentrated Loads (lb)
Vert: 5=-64(B) 7=-64(B)

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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	T29	Flat	1	1	T15058664
					Job Reference (optional)

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

8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:10 2018 Page 1
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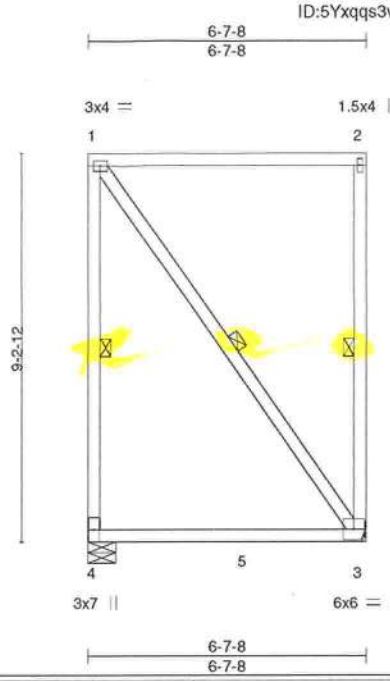

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.99	Vert(LL)	0.18	3-4	>432	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.59	Vert(CT)	-0.21	3-4	>358	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.26	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 61 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-4, 2-3, 1-3

REACTIONS. (lb/size) 4=348/0-8-0, 3=348/Mechanical
Max Horz 4=-250(LC 10)
Max Uplift 4=-183(LC 8), 3=-238(LC 9)
Max Grav 4=471(LC 18), 3=465(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-538/543, 2-3=-285/145
BOT CHORD 3-4=-441/455
WEBS 1-3=-488/488

NOTES-
1) 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; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
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) except (jt=lb) 4=183, 3=238.
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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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	T30	Flat	1	1	T15058665
					Job Reference (optional)

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:11 2018 Page 1
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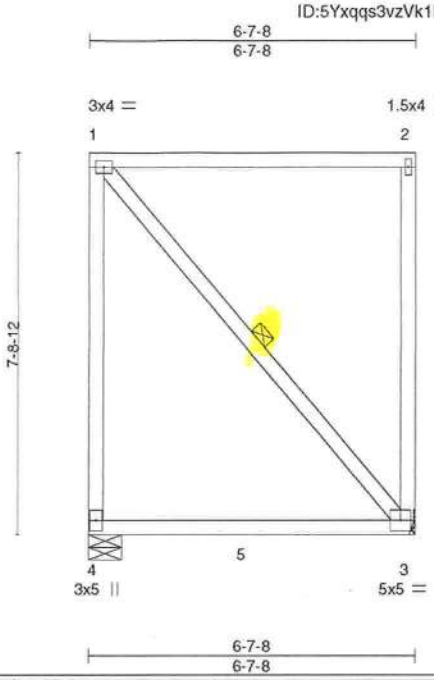

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.89	Vert(LL)	0.18	3-4	>432	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.52	Vert(CT)	-0.19	3-4	>394	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.15	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 55 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, except end verticals.
BOT CHORD Rigid ceiling directly applied.
WEBS 1 Row at midpt 1-3

REACTIONS. (lb/size) 4=348/0-8-0, 3=348/Mechanical
Max Horz 4=208(LC 11)
Max Uplift 4=-129(LC 8), 3=-184(LC 9)
Max Grav 4=423(LC 18), 3=416(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-416/420, 2-3=-285/145
BOT CHORD 3-4=-367/379
WEBS 1-3=-362/362

NOTES-
1) 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; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) Provide adequate drainage to prevent water ponding.
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, with BCDL = 10.0psf.
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) except (jt=lb) 4=129, 3=184.
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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Job	Truss	Truss Type	Qty	Ply	Donald Little
DONALD_LITTLE	T31	Flat	1	2	T15058666

Job Reference (optional)

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

8.220 s May 24 2018 MiTek Industries, Inc. Wed Sep 12 07:46:11 2018 Page 1
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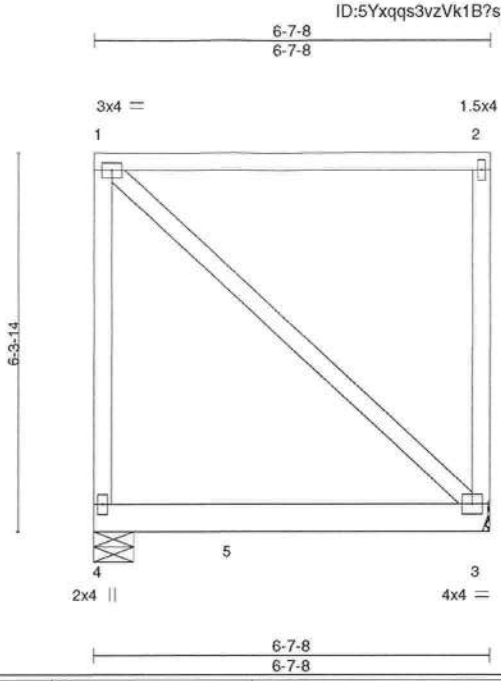

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plate Grip DOL	1.33	TC	0.48	Vert(LL)	0.02	3-4	>999	240	MT20	244/190
TCDL	15.0	Lumber DOL	1.33	BC	0.11	Vert(CT)	-0.02	3-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.07	Horz(CT)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS							Weight: 108 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied.

REACTIONS. (lb/size) 4=348/0-8-0, 3=348/Mechanical
Max Horz 4=-167(LC 8)
Max Uplift 4=-85(LC 8), 3=-140(LC 9)
Max Grav 4=374(LC 18), 3=372(LC 17)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-4=-317/321, 2-3=-285/145
BOT CHORD 3-4=-294/303
WEBS 1-3=-258/258

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
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 7-10; 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; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
4) Provide adequate drainage to prevent water ponding.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 3=140.
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.

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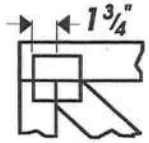
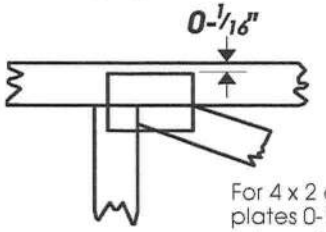
Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

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

PLATE SIZE

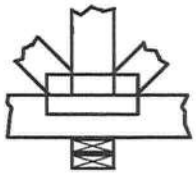
4 x 4

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

LATERAL BRACING LOCATION

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

BEARING

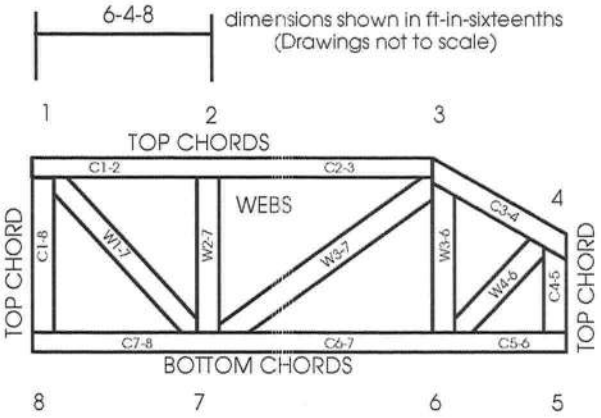


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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