



## Columbia County New Building Permit Application

CASH 11 Inc 23

For Office Use Only Application # 44532 Date Received 2/12 By JW Permit # 39483/39484  
 Zoning Official LW/LH Date 2-24-20 Flood Zone X Land Use PLO Zoning PLO  
 FEMA Map # \_\_\_\_\_ Elevation \_\_\_\_\_ MFE 161' River \_\_\_\_\_ Plans Examiner T.C Date 2-26-20  
 Comments \_\_\_\_\_  
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☒ Well letter ☐ 911 Sheet ☐ 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. 20-0151 City Water ☒ Fax \_\_\_\_\_  
 Applicant (Who will sign/pickup the permit) Brian Papka or Brittany Phone 786.340.0760  
 Address 1542 SW Little Road, Lake City, FL 32024 Dunn  
 Owners Name Don Little Construction & Roofing, Inc Phone 786.961.0006  
 911 Address 212 NW Turkey Creek Way, Lake City, FL 32055  
 Contractors Name Don Little Phone 386.965.8340  
 Address Po Box 2254, Lake City, FL 32024 (Brian)  
 Contractor Email brianpapka@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 Nicholas Geisler - 1758 NW Brown Rd, Lake City, FL 32055  
 Mortgage Lenders Name & Address n/a  
 Circle the correct power company ☒ FL Power & Light ☐ Clay Elec. ☐ Suwannee Valley Elec. ☐ Duke Energy  
 Property ID Number 23.35.16.02279 -123 Estimated Construction Cost \$144,800  
 Subdivision Name Turkey Creek Lot 23 Block \_\_\_\_\_ Unit 1 Phase \_\_\_\_\_  
 Driving Directions from a Major Road NW Lake Jeffery Road to R on Turkey Creek Way - Lot is 4th on right

Construction of Single family residence Commercial OR ☒ Residential  
 Proposed Use/Occupancy residential Number of Existing Dwellings on Property 0  
 Is the Building Fire Sprinkled? n/a 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 25' Side 17'8" Side 17'8" Rear 44'8"  
 Number of Stories 1 Heated Floor Area 1810 <sup>sq</sup> ft Total Floor Area 2680 <sup>sq</sup> ft Acreage .25 <sup>ac</sup>

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

JW sent email 2.13.20

**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.

Don Little [Signature] **\*\*Property owners must sign here before any permit will be issued.**  
Print Owners Name Owners Signature

**\*\*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.

[Signature] **Contractor's License Number** CBC1260286  
Columbia County  
**Competency Card Number** 1519  
Contractor's Signature

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 7 day of Feb 2020

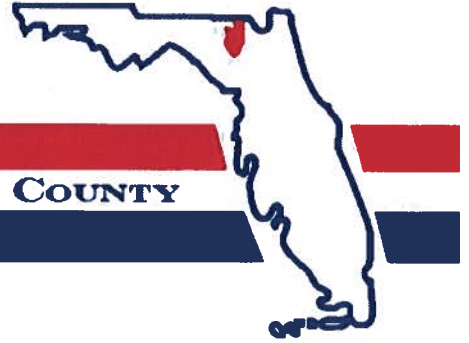
Personally known ☒ or Produced Identification [Signature]

[Signature]  
State of Florida Notary Signature (For the Contractor)

SEAL:



District No. 1 - Ronald Williams  
District No. 2 - Rocky Ford  
District No. 3 - Bucky Nash  
District No. 4 - Toby Witt  
District No. 5 - Tim Murphy



**BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY**

February 25, 2020

Don Little,  
Don Little Construction & Roofing, Inc.  
1542 SW Little Rd  
Lake City, FL 32024

Re: Building Permit Applications 44530 & 44532  
Turkey Creek Subdivision, Lots 23 and 25

Dear Mr. Little,

On February 12, 2020, the Columbia County Building & Zoning Department received a building permit application for a new residential, single family home to be located on Tax Parcels 23-3s-16-02279-123 and 23-3s-16-02279-0125 (Lots 23 and 25 of Turkey Creek, Unit 1). The subject property is located with a Planned Residential Development ("PRD") officially known, and adopted into law, as "Turkey Creek, Unit 1". The application submitted by you references a subdivision known as "Woodborough North". The subdivision does not exist and is not a legal subdivision of record within Columbia County, Florida. Please note that subdivision names are regulated by the Columbia County Land Development Regulations, section 5.12:

**Section 5.12 Subdivision Name**

Every subdivision shall be given a name by which it shall be legally known. Such name shall not be the same or similar to a subdivision name appearing on another recorded plat within the county so as to confuse the records or to mislead the public as to the identity of the subdivision, except when the subdivision is subdivided as an additional unit or section by the same subdivider or his or her successors in title. The name of the subdivision shall be shown in the dedication and shall coincide exactly with the subdivision name. The board of county commissioners shall have final authority to approve the names of subdivisions.

It is therefore necessary that all applications for building permits, requests for addresses, and any other applications to or with the County reference the correct subdivision name and make no reference to "Woodborough North". Applications made for permits within "Woodborough North" cannot be accepted by this office.

Further, the subdivision name "Woodborough" was previously used by another developer unconnected with the development of the Turkey Creek subdivision, such that the name "Woodborough North" is too similar to a subdivision name already appearing on another recorded plat. By the terms of the Land Development Regulations, the name "Woodborough North" is therefore misleading and confusing to the records and identity of the subdivision, such that there is no option to have the subdivision name officially amended by the Board of County Commissioners.

BOARD MEETS THE FIRST THURSDAY AT 5:30 P.M.  
AND THIRD THURSDAY AT 5:30 P.M.

As the County's land development regulations administrator, I respectfully request that you discontinue all uses of "Woodborough North" to make reference to the official record plat of "Turkey Creek, Unit 1" or any part thereof. Continued use of the name "Woodborough North" will likely constitute a violation of the County's Land Development Regulations, and the matter may be turned over to code enforcement to be taken to the Special Magistrate for disposition.

Finally, I am informed that the sign at the entrance to "Turkey Creek, Unit 1" has been changed to "Woodborough North". This is also a violation of Section 5.12 of the LDRs. The sign must be corrected to reflect the correct subdivision name, "Turkey Creek".

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "B. M. Stubbs", with a long horizontal flourish extending to the right.

Brandon M. Stubbs  
Community Development Coordinator  
Land Development Regulation Admin.

Cc: Troy Crews, Chief Building Official  
Matt Crews, E911 Addressing Director



**This Instrument Prepared By:**

Michael H. Harrell  
Abstract Trust Title, LLC  
283 NW Cole Terrace  
Lake City, FL 32055

ATT# 4-9457

Inst: 202012000513 Date: 01/08/2020 Time: 10:17AM  
Page 1 of 2 B: 1402 P: 2212, P.DeWitt Cason, Clerk of Court  
Columbia, County, By: BD  
Deputy ClerkDoc Stamp-Deed: 875.00

## Warranty Deed

LLC to Individual

THIS WARRANTY DEED made this 7 January 2020, 386 Development LLC, a Florida Limited Liability Company, hereinafter called the grantor, to Don Little Construction & Roofing Inc, a Florida Corporation, whose post office address is: 1542 SW Little Road, 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 corporation)*

*WITNESSETH that the Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the Grantee, all that certain land situate in COLUMBIA County, Florida:*

**Lots 23, 25, 12, 13, and Lot 5, of Turkey Creek, Unit 1, a Planned Residential Development, per map or plat thereof, as recorded in Plat Book 9, Pages 141 through 147, of the Public Records of Columbia County, Florida.**

**Subject to Land Use Restrictions of Record, and Items shown on said Plat of Record.**

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

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; that the Grantor hereby fully 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 taxes accruing subsequent to the prior year.

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

Signed, sealed and delivered in our presence:

Brandi Lee  
WITNESS  
Brandi Lee  
PRINTED NAME

Michael H. Harrell  
WITNESS  
Michael H. Harrell  
PRINTED NAME

Kevin Gray  
Kevin Gray, as Manager of  
386 Development LLC, a Florida  
Limited Liability Company

William Womble  
William Womble, as Manager of  
386 Development LLC, a Florida  
Limited Liability Company

STATE OF FLORIDA  
COUNTY OF COLUMBIA

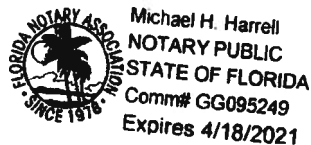
The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 7 of January 2020, by Kevin Gray and William Womble as Managers of 386 Development LLC, a Florida Limited Liability Company, on behalf of the company, who is personally known to me or has produced 72 as identification.

(SEAL)

Michael H. Harrell

NOTARY PUBLIC

My Commission Expires:



**SUBCONTRACTOR VERIFICATION**

**PHASE 1.**

APPLICATION/PERMIT # 44532

JOB NAME Lot 23 - Turkey Creek

**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.

<b>ELECTRICAL</b> <input type="checkbox"/>	Print Name <u>Ryan Falknor</u> Signature <u>[Signature]</u>	<b>Need</b> <input type="checkbox"/> Lic <input checked="" type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>1057</u>	Company Name: <u>Falknor Electric, Inc.</u> License #: <u>EC13003153</u> Phone #: <u>352-318-8796</u>	
<b>MECHANICAL/</b> <b>A/C</b> <input type="checkbox"/>	Print Name <u>Stephen Brisbois</u> Signature <u>[Signature]</u>	<b>Need</b> <input type="checkbox"/> Lic <input checked="" type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>2090</u>	Company Name: <u>Epic AC</u> License #: <u>CAC1819412</u> Phone #: <u>386.623.1009</u>	
<b>PLUMBING/</b> <b>GAS</b> <input checked="" type="checkbox"/>	Print Name <u>Dan Mossburg</u> Signature <u>[Signature]</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>1429</u>	Company Name: <u>Live Oak Plumbing</u> License #: <u>CFC1427438</u> Phone #: <u>386.209.3267</u>	
<b>ROOFING</b> <input checked="" type="checkbox"/>	Print Name <u>Don Little</u> Signature <u>[Signature]</u>	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# <u>1772</u>	Company Name: <u>Don Little Roofing + Construction</u> License #: <u>CCC1330420</u> Phone #: <u>706.961.0006</u>	
<b>SHEET METAL</b> <input type="checkbox"/>	Print Name _____ Signature _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	
<b>FIRE SYSTEM/</b> <b>SPRINKLER</b> <input type="checkbox"/>	Print Name _____ Signature _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	
<b>SOLAR</b> <input type="checkbox"/>	Print Name _____ Signature _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	
<b>STATE</b> <b>SPECIALTY</b> <input type="checkbox"/>	Print Name _____ Signature _____	<b>Need</b> <input type="checkbox"/> Lic <input type="checkbox"/> Liab <input type="checkbox"/> W/C <input type="checkbox"/> EX <input type="checkbox"/> DE
CC# _____	Company Name: _____ License #: _____ Phone #: _____	

## Detail by Entity Name

Florida Profit Corporation

DON LITTLE CONSTRUCTION &amp; ROOFING INC

### Filing Information

**Document Number** P15000021963  
**FE/EIN Number** 47-3373695  
**Date Filed** 03/06/2015  
**State** FL  
**Status** ACTIVE

### Principal Address

1542 SW LITTLE ROAD  
LAKE CITY, FL 32024

### Mailing Address

P O BOX 2254  
LAKE CITY, FL 32056

### Registered Agent Name & Address

LITTLE, DONALD  
1542 SW LITTLE ROAD  
LAKE CITY, FL 32024

### Officer/Director Detail

#### **Name & Address**

Title P

LITTLE, DONALD  
1542 SW LITTLE ROAD  
LAKE CITY, FL 32024

### Annual Reports

Report Year	Filed Date
2018	01/16/2018
2019	02/13/2019
2020	01/22/2020

### Document Images

<a href="#">01/22/2020 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/13/2019 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/16/2018 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/06/2017 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/02/2016 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/06/2015 -- Domestic Profit</a>	<a href="#">View image in PDF format</a>





January 29, 2020

Don Little Construction & Roofing  
PO BOX 2254.  
Lake City, FL 32024

RE: Turkey Creek S/D, Lot 23  
Service Availability Letter

To Whom It May Concern,

Thank you for your inquiry regarding the availability of city utilities. The City of Lake City has potable water available to tap into at Parcel 23-3S-16-02279-123.

This availability response does not represent the City of Lake City's commitment for or reservation of capacity. In accordance with the City of Lake City's policies and procedures, commitment to serve is made only upon the City of Lake City's approval of your application for service and receipt of your payment of all applicable fees.

If you have any questions, please feel free to contact me at (386) 719-5786 during our normal business hours of 8:00 am to 4:30 pm, Monday through Friday. I will be happy to assist you.

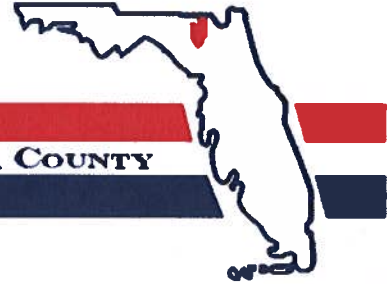
Sincerely,

Shasta M. Pelham  
Utility Service Coordinator

Brian Scott   
Director of Distribution and Collections

District No. 1 - Ronald Williams  
District No. 2 - Rocky Ford  
District No. 3 - Bucky Nash  
District No. 4 - Toby Witt  
District No. 5 - Tim Murphy

**BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY**



**Address Assignment and Maintenance Document**

To maintain the county wide 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 addressing 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 Services 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

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Date/Time Issued: **2/4/2020 10:02:00 PM**  
Address: **212 NW TURKEY CREEK Way**  
City: **LAKE CITY**  
State: **FL**  
Zip Code **32055**

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Parcel ID **02279-123**

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REMARKS: Address for proposed structure on parcel.

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

Address Issued By: **Signed:/ Matt Crews**

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Columbia County GIS/911 Addressing Coordinator

**COLUMBIA COUNTY  
911 ADDRESSING / GIS DEPARTMENT**

**263 NW Lake City Ave., Lake City, FL 32055 Telephone: (386) 758-1125  
Email: [gis@columbiacountyfla.com](mailto:gis@columbiacountyfla.com)**

CR # 10-7490

 PERMIT NO. 20-0151  
 DATE PAID: 2/26/20  
 FEE PAID: 310.00  
 RECEIPT #: 1470281

STATE OF FLORIDA  
 DEPARTMENT OF HEALTH  
 ONSITE SEWAGE TREATMENT AND DISPOSAL  
 SYSTEM

## APPLICATION FOR CONSTRUCTION PERMIT

## APPLICATION FOR:

☒ New System    ☐ Existing System    ☐ Holding Tank    ☐ Innovative  
☐ Repair    ☐ Abandonment    ☐ Temporary    ☐

APPLICANT: DON LITTLE CONSTRUCTION & ROOFINGAGENT: BRIAN PAPKATELEPHONE: (386) 965-8340MAILING ADDRESS: PO BOX 2254LAKE CITYFL 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: 23 BLOCK: N/A SUBDIVISION: Turkey Creek WOODBOROUGH NORTH PLATTED: \_\_\_\_\_

 PROPERTY ID #: P/O 23-3S-16-02269-000 ZONING: RES I/M OR EQUIVALENT: ☐ NO ☐

 PROPERTY SIZE: 0.256 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☐ ≤2000GPD ☒ >2000GPD

 IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ NO ☐ DISTANCE TO SEWER: N/A FT
PROPERTY ADDRESS: 212 NW TURKEY CREEK WAY LAKE CITY
 DIRECTIONS TO PROPERTY: 90 WEST, TURN RIGHT ON LAKE JEFFERY RD. TURN RIGHT ON NW TURKEY CREEK WAY, LOT ON RIGHT.
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	HOUSE	3	1,810	
2				
3				
4				

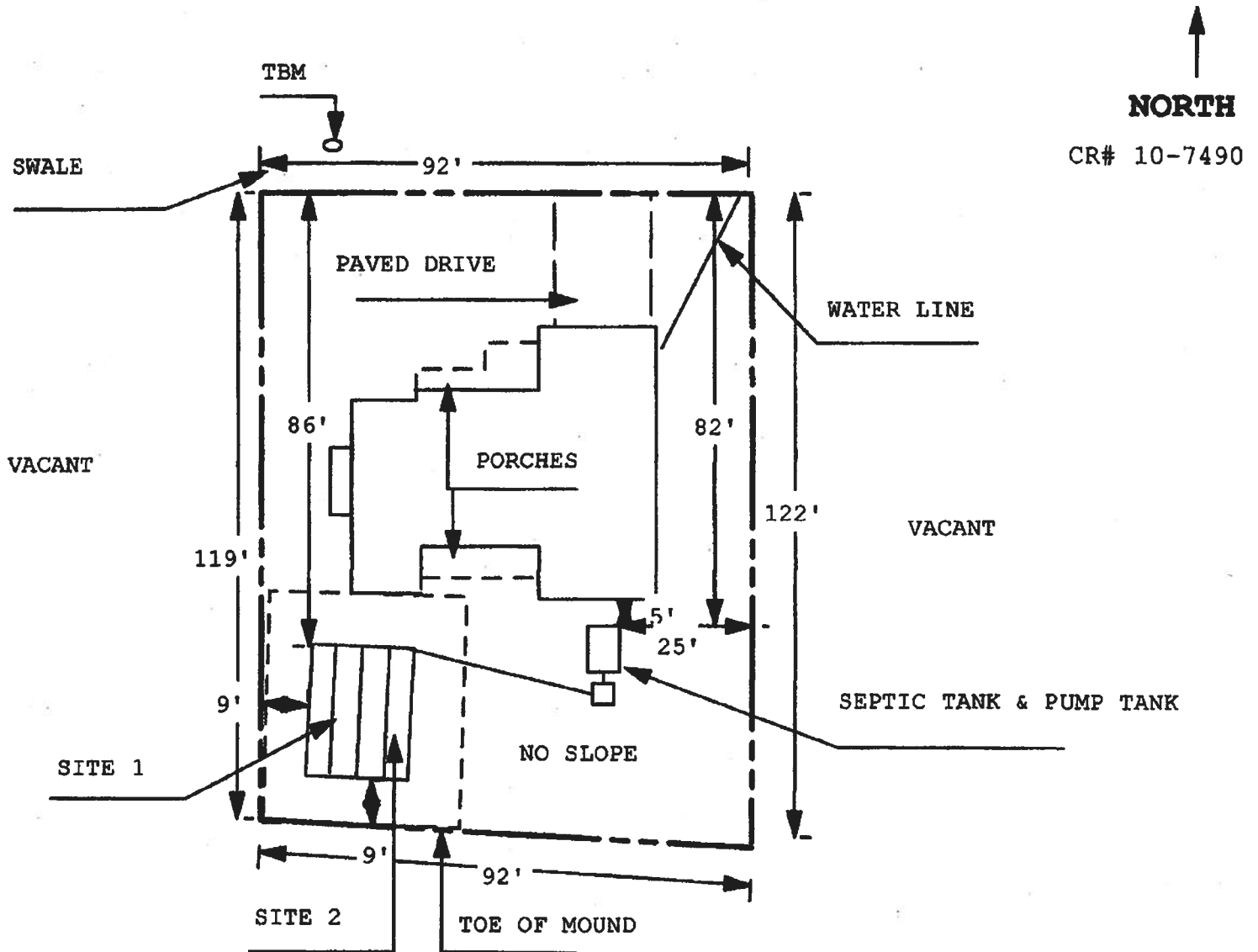
☐ Floor/Equipment Drains ☐ Other (Specify) \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: 2.18.20

**Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan**  
**Permit Application Number:** 20-0151

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**



NO WELLS WITHIN 100'

1 INCH = 30 FEET

Site Plan Submitted By Paul R. Ray Date 2/19/20  
 Plan Approved ✓ Not Approved \_\_\_\_\_ Date 2/28/20

By [Signature] Columbia CPHU

Notes: \_\_\_\_\_

**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 23 *Turkey Creek*  
 Street:  
 City, State, Zip: Lake City, FL, 32055  
 Owner:  
 Design Location: FL, Gainesville

Builder Name: Don Little Construction & Roofing  
 Permit Office: Columbia County  
 Permit Number:  
 Jurisdiction:  
 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 3  
 5. Is this a worst case? No  
 6. Conditioned floor area above grade (ft<sup>2</sup>) 1810  
 Conditioned floor area below grade (ft<sup>2</sup>) 0

7. Windows (192.7 sqft.) Description Area  
 a. U-Factor: *DbI, U=0.36* 192.67 ft<sup>2</sup>  
 SHGC: *SHGC=0.25*  
 b. U-Factor: N/A ft<sup>2</sup>  
 SHGC:  
 c. U-Factor: N/A ft<sup>2</sup>  
 SHGC:  
 d. U-Factor: N/A ft<sup>2</sup>  
 SHGC:  
 Area Weighted Average Overhang Depth: 5.685 ft.  
 Area Weighted Average SHGC: 0.250

8. Floor Types (1810.0 sqft.) Insulation Area  
 a. Slab-On-Grade Edge Insulation R=0.0 1810.00 ft<sup>2</sup>  
 b. N/A R= ft<sup>2</sup>  
 c. N/A R= ft<sup>2</sup>

9. Wall Types (1905.0 sqft.) Insulation Area  
 a. Frame - Wood, Exterior R=13.0 1575.00 ft<sup>2</sup>  
 b. Frame - Wood, Adjacent R=13.0 330.00 ft<sup>2</sup>  
 c. N/A R= ft<sup>2</sup>  
 d. N/A R= ft<sup>2</sup>  
 10. Ceiling Types (1900.0 sqft.) Insulation Area  
 a. Under Attic (Vented) R=38.0 1900.00 ft<sup>2</sup>  
 b. N/A R= ft<sup>2</sup>  
 c. N/A R= ft<sup>2</sup>  
 11. Ducts R ft<sup>2</sup>  
 a. Sup: Attic, Ret: Attic, AH: Garage 6 452.5

12. Cooling systems kBtu/hr Efficiency  
 a. Central Unit 20.6 SEER:14.00

13. Heating systems kBtu/hr Efficiency  
 a. Electric Heat Pump 29.4 HSPF:8.20

14. Hot water systems  
 a. Electric Cap: 50 gallons  
 b. Conservation features EF: 0.920  
 None

15. Credits CV, Pstat

Glass/Floor Area: 0.106

Total Proposed Modified Loads: 47.76

Total Baseline Loads: 49.29

**PASS**

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

PREPARED BY: *HA*  
 DATE: *1/9/2020*

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 5.00 ACH50 (R402.4.1.2).



## INPUT SUMMARY CHECKLIST REPORT

## PROJECT

Title:	Lot 23 <sup>1</sup>	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1810	Lot #:	23
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Don Little Construction & Roofi	Rotate Angle:	0	Street:	
Permit Office:	Columbia County	Cross Ventilation:	Yes	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Lake City , FL , 32055
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

## CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	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	1810	16290

## SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1810	16290	Yes	6	3	1	Yes	Yes	Yes

## FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	Main	216 ft	0	1810 ft²	----	0	0	1

## ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	2024 ft²	454 ft²	Medium	Y	0.96	No	0.9	No	0	26.6

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1810 ft²	Y	N

## CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Double Batt	1900 ft²	0.11	Wood

## INPUT SUMMARY CHECKLIST REPORT

## WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
✓	1	S	Exterior	Frame - Wood	Main	13	22	4	9		201.0 ft²		0.23	0.75	0
✓	2	S	Exterior	Frame - Wood	Main	13	12	4	9		111.0 ft²		0.23	0.75	0
✓	3	E	Exterior	Frame - Wood	Main	13	38		9		342.0 ft²		0.23	0.75	0
✓	4	N	Exterior	Frame - Wood	Main	13	12	8	9		114.0 ft²		0.23	0.75	0
✓	5	W	Exterior	Frame - Wood	Main	13	8		9		72.0 ft²		0.23	0.75	0
✓	6	N	Exterior	Frame - Wood	Main	13	22		9		198.0 ft²		0.23	0.75	0
✓	7	E	Exterior	Frame - Wood	Main	13	10		9		90.0 ft²		0.23	0.75	0
✓	8	N	Exterior	Frame - Wood	Main	13	22		9		198.0 ft²		0.23	0.75	0
✓	9	W	Exterior	Frame - Wood	Main	13	27	8	9		249.0 ft²		0.23	0.75	0
✓	10	S	Garage	Frame - Wood	Main	13	22		9		198.0 ft²		0.23	0.75	0
✓	11	W	Garage	Frame - Wood	Main	13	14	8	9		132.0 ft²		0.23	0.75	0

## DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	S	Insulated	Main	None	.46	5	4	8		42.7 ft²
✓	2	S	Insulated	Main	None	.46	3		6	8	20 ft²

## WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	S	1	Vinyl	Low-E Double	Yes	0.36	0.25	N	45.0 ft²	7 ft 6 in	0 ft 6 in	None	None
✓	2	S	2	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
✓	3	E	3	Vinyl	Low-E Double	Yes	0.36	0.25	N	2.0 ft²	1 ft 6 in	1 ft 0 in	None	None
✓	4	N	4	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	1 ft 6 in	1 ft 0 in	None	None
✓	5	N	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	42.7 ft²	9 ft 6 in	0 ft 4 in	None	None
✓	6	N	6	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	9 ft 6 in	0 ft 4 in	None	None
✓	7	E	7	Vinyl	Low-E Double	Yes	0.36	0.25	N	15.0 ft²	4 ft 6 in	1 ft 0 in	None	None
✓	8	N	8	Vinyl	Low-E Double	Yes	0.36	0.25	N	20.0 ft²	1 ft 0 in	4 ft 0 in	None	None
✓	9	W	9	Vinyl	Low-E Double	Yes	0.36	0.25	N	10.0 ft²	1 ft 6 in	1 ft 0 in	None	None
✓	10	W	9	Vinyl	Low-E Double	Yes	0.36	0.25	N	8.0 ft²	1 ft 6 in	1 ft 0 in	None	None

## GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
✓	1	557.26 ft²	557.26 ft²	58 ft	9 ft	1

## INPUT SUMMARY CHECKLIST REPORT

## INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000286	1357.5	74.52	140.16	.1128	5

## HEATING SYSTEM

✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump/	None	Single	HSPF:8.2	29.4 kBtu/hr	1	sys#1

## COOLING SYSTEM

✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	None	Single	SEER: 14	20.62 kBtu/hr	630 cfm	0.7	1	sys#1

## HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Garage	0.92	50 gal	40 gal	120 deg	None

## SOLAR HOT WATER SYSTEM

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

## DUCTS

✓	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
✓	1	Attic	6	452.5 ft²	Attic	90.5 ft²	Default Leakage	Garage	(Default) c	(Default) c			1	1

## TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec

**INPUT SUMMARY CHECKLIST REPORT**

Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		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
<b>MASS</b>													
Mass Type		Area		Thickness		Furniture Fraction		Space					
Default(8 lbs/sq.ft.)		0 ft²		0 ft		0.3		Main					

**ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD****ESTIMATED ENERGY PERFORMANCE INDEX\* =97****The lower the Energy Performance Index, the more efficient the home.**

1. New home or, addition	1. <u>New (From Plans)</u>	12. Ducts, location & insulation level
2. Single-family or multiple-family	2. <u>Single-family</u>	a) Supply ducts R <u>6.0</u>
3. No. of units (if multiple-family)	3. <u>1</u>	b) Return ducts R <u>6.0</u>
4. Number of bedrooms	4. <u>3</u>	c) AHU location <u>Garage</u>
5. Is this a worst case? (yes/no)	5. <u>No</u>	13. Cooling system: Capacity <u>20.6</u>
6. Conditioned floor area (sq. ft.)	6. <u>1810</u>	a) Split system SEER <u>        </u>
7. Windows, type and area		b) Single package SEER <u>        </u>
a) U-factor:(weighted average)	7a. <u>0.360</u>	c) Ground/water source SEER/COP <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	7b. <u>0.250</u>	d) Room unit/PTAC EER <u>        </u>
c) Area	7c. <u>192.7</u>	e) Other <u>14.0</u>
8. Skylights		14. Heating system: Capacity <u>29.4</u>
a) U-factor:(weighted average)	8a. <u>NA</u>	a) Split system heat pump HSPF <u>        </u>
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	b) Single package heat pump HSPF <u>        </u>
9. Floor type, insulation level:		c) Electric resistance COP <u>        </u>
a) Slab-on-grade (R-value)	9a. <u>0.0</u>	d) Gas furnace, natural gas AFUE <u>        </u>
b) Wood, raised (R-value)	9b. <u>        </u>	e) Gas furnace, LPG AFUE <u>        </u>
c) Concrete, raised (R-value)	9c. <u>        </u>	f) Other <u>8.20</u>
10. Wall type and insulation:		15. Water heating system
A. Exterior:		a) Electric resistance EF <u>0.92</u>
1. Wood frame (Insulation R-value)	10A1. <u>13.0</u>	b) Gas fired, natural gas EF <u>        </u>
2. Masonry (Insulation R-value)	10A2. <u>        </u>	c) Gas fired, LPG EF <u>        </u>
B. Adjacent:		d) Solar system with tank EF <u>        </u>
1. Wood frame (Insulation R-value)	10B1. <u>13.0</u>	e) Dedicated heat pump with tank EF <u>        </u>
2. Masonry (Insulation R-value)	10B2. <u>        </u>	f) Heat recovery unit HeatRec% <u>        </u>
11. Ceiling type and insulation level		g) Other <u>        </u>
a) Under attic	11a. <u>38.0</u>	16. HVAC credits claimed (Performance Method)
b) Single assembly	11b. <u>        </u>	a) Ceiling fans <u>        </u>
c) Knee walls/skylight walls	11c. <u>        </u>	b) Cross ventilation <u>Yes</u>
d) Radiant barrier installed	11d. <u>Yes</u>	c) Whole house fan <u>No</u>
		d) Multizone cooling credit <u>        </u>
		e) Multizone heating credit <u>        </u>
		f) Programmable thermostat <u>Yes</u>

\*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: \_\_\_\_\_ City/FL Zip: Lake City, FL 32055



# 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: Don Little Construction & Roofing Community:

Lot: 23

Address:

City: Lake City

State: FL

Zip: 32055

#### 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): 5.000

$$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div 16290 = \text{ACH}(50)$$

☒ **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) of the 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.

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

Project Title:

Lot 23 \ *Turkey Creek*

Lake City, FL 32055

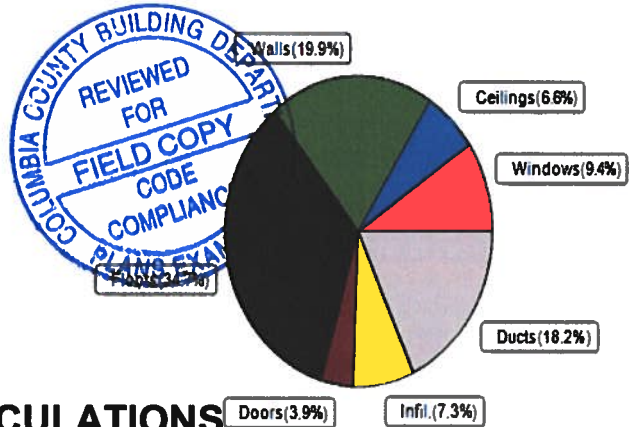
1/9/2020

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
<b>Total heating load calculation</b>	<b>29398 Btuh</b>	<b>Total cooling load calculation</b>	<b>20618 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	100.0 29398	Sensible (SHR = 0.70)	85.8 14433
Heat Pump + Auxiliary(0.0kW)	100.0 29398	Latent	162.5 6185
		Total (Electric Heat Pump)	100.0 20618

## WINTER CALCULATIONS

Winter Heating Load (for 1810 sqft)

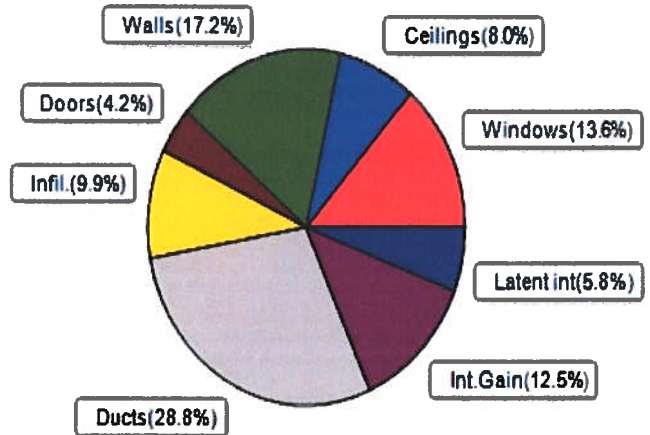
Load component		Load	
Window total	193 sqft	2774 Btuh	
Wall total	1650 sqft	5857 Btuh	
Door total	63 sqft	1153 Btuh	
Ceiling total	1900 sqft	1929 Btuh	
Floor total	1810 sqft	10195 Btuh	
Infiltration	49 cfm	2145 Btuh	
Duct loss		5344 Btuh	
<b>Subtotal</b>		<b>29398 Btuh</b>	
Ventilation	0 cfm	0 Btuh	
<b>TOTAL HEAT LOSS</b>		<b>29398 Btuh</b>	



## SUMMER CALCULATIONS

Summer Cooling Load (for 1810 sqft)

Load component		Load	
Window total	193 sqft	2799 Btuh	
Wall total	1650 sqft	3555 Btuh	
Door total	63 sqft	865 Btuh	
Ceiling total	1900 sqft	1640 Btuh	
Floor total		0 Btuh	
Infiltration	37 cfm	764 Btuh	
Internal gain		2580 Btuh	
Duct gain		4610 Btuh	
Sens. Ventilation	0 cfm	0 Btuh	
Blower Load		0 Btuh	
<b>Total sensible gain</b>		<b>16812 Btuh</b>	
Latent gain(ducts)		1338 Btuh	
Latent gain(infiltration)		1268 Btuh	
Latent gain(ventilation)		0 Btuh	
Latent gain(internal/occupants/other)		1200 Btuh	
<b>Total latent gain</b>		<b>3806 Btuh</b>	
<b>TOTAL HEAT GAIN</b>		<b>20618 Btuh</b>	



8th Edition

EnergyGauge® System Sizing

PREPARED BY: *AD*

DATE: *1/9/2020*

# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Project Title:

Lot 23

Lake City, FL 32055

Building Type: User

1/9/2020

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	Vinyl	0.36	S	45.0		14.4	648 Btuh
2	2, NFRC 0.25	Vinyl	0.36	S	15.0		14.4	216 Btuh
3	2, NFRC 0.25	Vinyl	0.36	E	2.0		14.4	29 Btuh
4	2, NFRC 0.25	Vinyl	0.36	N	15.0		14.4	216 Btuh
5	2, NFRC 0.25	Vinyl	0.36	N	42.7		14.4	614 Btuh
6	2, NFRC 0.25	Vinyl	0.36	N	20.0		14.4	288 Btuh
7	2, NFRC 0.25	Vinyl	0.36	E	15.0		14.4	216 Btuh
8	2, NFRC 0.25	Vinyl	0.36	N	20.0		14.4	288 Btuh
9	2, NFRC 0.25	Vinyl	0.36	W	10.0		14.4	144 Btuh
10	2, NFRC 0.25	Vinyl	0.36	W	8.0		14.4	115 Btuh
Window Total					192.7(sqft)			2774 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	113		3.55	402 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	96		3.55	341 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	340		3.55	1207 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	99		3.55	351 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	72		3.55	256 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	135		3.55	480 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	75		3.55	266 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	178		3.55	632 Btuh
9	Frame - Wood	- Ext	(0.089)	13.0/0.0	231		3.55	820 Btuh
10	Frame - Wood	- Adj	(0.089)	13.0/0.0	178		3.55	632 Btuh
11	Frame - Wood	- Adj	(0.089)	13.0/0.0	132		3.55	469 Btuh
Wall Total					1650(sqft)			5857 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior, n		(0.460)		43		18.4	785 Btuh
2	Insulated - Garage, n		(0.460)		20		18.4	368 Btuh
Door Total					63(sqft)			1153Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/L/Shing		(0.025)	38.0/0.0	1900		1.0	1929 Btuh
Ceiling Total					1900(sqft)			1929Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	216.0 ft(perim.)		47.2	10195 Btuh
Floor Total					1810 sqft			10195 Btuh
Envelope Subtotal:								21908 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		
	Natural		0.18	16290	1.00	49.0		2145 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.222)							5344 Btuh

EnergyGauge® / USRCZB v6.1.04

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Lake City, FL 32055

Project Title:  
Lot 23  
Building Type: User

1/9/2020

<b>All Zones</b>	<b>Sensible Subtotal All Zones</b>	<b>29398 Btuh</b>
------------------	------------------------------------	-------------------

### WHOLE HOUSE TOTALS

<b>Totals for Heating</b>	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	29398 Btuh 0 Btuh 29398 Btuh
---------------------------	--	------------------------------------

### EQUIPMENT

1. Electric Heat Pump	#	29398 Btuh
-----------------------	---	------------

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

Project Title:

Lot 23

Lake City, FL 32055

1/9/2020

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	Omt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.25, 0.36	No	No	S		7.5ft.	0.5ft.	45.0	45.0	0.0	12	14	544	Btuh
2	2 NFRC	0.25, 0.36	No	No	S		1.5ft.	1.0ft.	15.0	15.0	0.0	12	14	181	Btuh
3	2 NFRC	0.25, 0.36	No	No	E		1.5ft.	1.0ft.	2.0	0.5	1.5	12	31	53	Btuh
4	2 NFRC	0.25, 0.36	No	No	N		1.5ft.	1.0ft.	15.0	0.0	15.0	12	12	181	Btuh
5	2 NFRC	0.25, 0.36	No	No	N		9.5ft.	0.3ft.	42.7	0.0	42.7	12	12	516	Btuh
6	2 NFRC	0.25, 0.36	No	No	N		9.5ft.	0.3ft.	20.0	0.0	20.0	12	12	242	Btuh
7	2 NFRC	0.25, 0.36	No	No	E		4.5ft.	1.0ft.	15.0	8.2	6.8	12	31	310	Btuh
8	2 NFRC	0.25, 0.36	No	No	N		1.0ft.	4.0ft.	20.0	0.0	20.0	12	12	242	Btuh
9	2 NFRC	0.25, 0.36	No	No	W		1.5ft.	1.0ft.	10.0	0.5	9.5	12	31	300	Btuh
10	2 NFRC	0.25, 0.36	No	No	W		1.5ft.	1.0ft.	8.0	1.0	7.0	12	31	229	Btuh
	Window Total								193 (sqft)					2799 Btuh	
Walls	Type	U-Value		R-Value		Area(sqft)		HTM		Load					
1	Frame - Wood - Ext		0.09		13.0/0.0		113.3		2.3		257 Btuh				
2	Frame - Wood - Ext		0.09		13.0/0.0		96.0		2.3		217 Btuh				
3	Frame - Wood - Ext		0.09		13.0/0.0		340.0		2.3		770 Btuh				
4	Frame - Wood - Ext		0.09		13.0/0.0		99.0		2.3		224 Btuh				
5	Frame - Wood - Ext		0.09		13.0/0.0		72.0		2.3		163 Btuh				
6	Frame - Wood - Ext		0.09		13.0/0.0		135.3		2.3		306 Btuh				
7	Frame - Wood - Ext		0.09		13.0/0.0		75.0		2.3		170 Btuh				
8	Frame - Wood - Ext		0.09		13.0/0.0		178.0		2.3		403 Btuh				
9	Frame - Wood - Ext		0.09		13.0/0.0		231.0		2.3		523 Btuh				
10	Frame - Wood - Adj		0.09		13.0/0.0		178.0		1.7		300 Btuh				
11	Frame - Wood - Adj		0.09		13.0/0.0		132.0		1.7		223 Btuh				
	Wall Total						1650 (sqft)					3555 Btuh			
Doors	Type	Area (sqft)		HTM		Load									
1	Insulated - Exterior		42.7		13.8		589 Btuh								
2	Insulated - Garage		20.0		13.8		276 Btuh								
	Door Total						63 (sqft)				865 Btuh				
Ceilings	Type/Color/Surface	U-Value		R-Value		Area(sqft)		HTM		Load					
1	Vented AtticLight/Shingle/RB		0.025		38.0/0.0		1900.0		0.86		1640 Btuh				
	Ceiling Total						1900 (sqft)					1640 Btuh			
Floors	Type	R-Value		Size		HTM		Load							
1	Slab On Grade		0.0		1810 (ft-perimeter)		0.0				0 Btuh				
	Floor Total						1810.0 (sqft)					0 Btuh			
	Envelope Subtotal:											8858 Btuh			



# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Project Title: Climate:FL\_GAINESVILLE\_REGIONAL\_A

Lot 25

Lake City, FL 32055

1/9/2020

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>12202 Btuh</b>
	Sensible Duct Load	4610 Btuh
	<b>Total Sensible Zone Loads</b>	<b>16812 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>16812 Btuh</b>
	Latent infiltration gain (for 51 gr. humidity difference)	1268 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1338 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>3806 Btuh</b>
	<b>TOTAL GAIN</b>	<b>20618 Btuh</b>

### EQUIPMENT

1. Central Unit	#	20618 Btuh
-----------------	---	------------

\*Key: Window types (Panels - 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

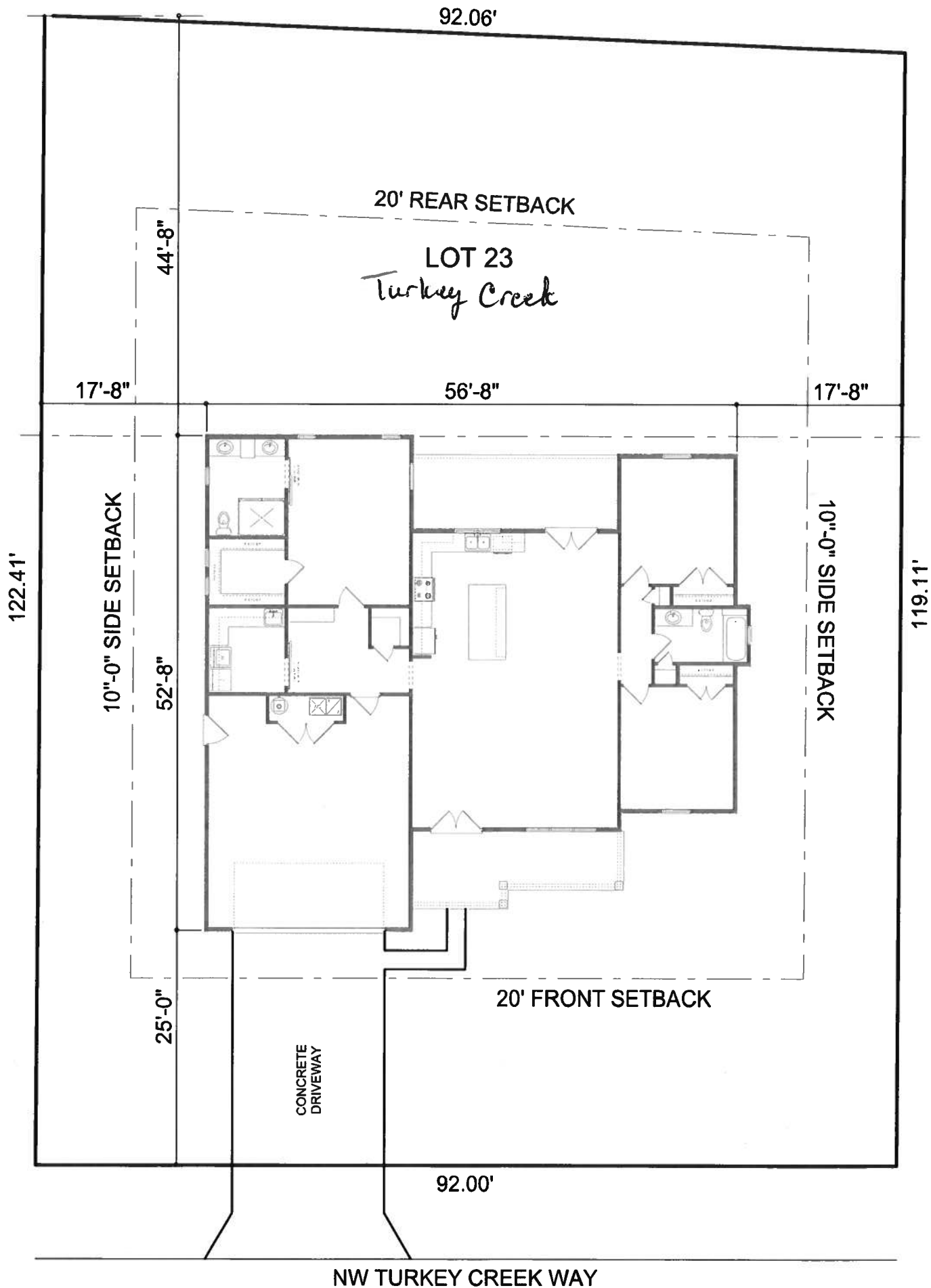
For Roller shades: Assume translucent, half closed

(IS - Insect screen: none(N), Full(F) or Half(½))

(Ornt - compass orientation)



Version 8



## Legend

### 2018 Flood Zones

0.2 PCT ANNUAL CHANCE

A

AE

AH

### Lidar Elevations

X

X

X

X

X

X

X

X

X

X

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# Columbia County, FLA - Building & Zoning Property Map

Printed: Mon Feb 24 2020 11:50:35 GMT-0500 (Eastern Standard Time)



## Parcel Information

Parcel No: 23-3S-16-02279-123

Owner:

Subdivision: TURKEY CREEK UNIT 1

Lot:

Acres: 0.253861129

Deed Acres:

District: District 1 Ronald Williams

Future Land Uses: Residential - Low

Flood Zones:

Official Zoning Atlas: PRD

SRWMD Wetlands

X

2018Aerials

X

Parcels

Roads

Roads

others

Dirt

Interstate

All data, information, and maps are provided "as is" without warranty or any representation of accuracy, timeliness of completeness. Columbia County, FL makes no warranties, express or implied, as to the use of the information obtained here. There are no implied warranties of merchantability or fitness for a particular purpose. The requester acknowledges and accepts all limitations, including the fact that the data, information, and maps are dynamic and in a constant state of maintenance, and update.

## NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

23-35-16-02279-123

Clerk's Office Stamp

Inst: 202012003456 Date: 02/12/2020 Time: 12:04PM  
Page 1 of 1 B: 1405 P: 1132, 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): Lot 23 of Turkey Creek Unit 1 & 2 RD per map there of, as recorded in Plat BK 9 pg 141 thru 147 of public records of Columbia County FL  
a) Street (job) Address: 212 NW Turkey Creek Way, Lake City, FL 32055
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: Don Little Construction & Roofing, Inc. 1542 SW Little Rd, Lake City, FL 32024  
b) Name and address of fee simple titleholder (if other than owner): n/a  
c) Interest in property: 100%
4. Contractor Information  
a) Name and address: Don Little Construction & Roofing, Inc. 1542 SW Little Rd, Lake City, FL 32024  
b) Telephone No.: 386-961-0809
5. Surety Information (if applicable, a copy of the payment bond is attached):  
a) Name and address: n/a  
b) Amount of Bond: \_\_\_\_\_  
c) Telephone No.: \_\_\_\_\_
6. Lender  
a) Name and address: n/a  
b) Phone No.: \_\_\_\_\_
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.: \_\_\_\_\_
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(1)(b), Florida Statutes:  
a) Name: n/a OF \_\_\_\_\_  
b) Telephone No.: \_\_\_\_\_
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]

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

Don Little - owner

Printed Name and Signatory's Title/Office

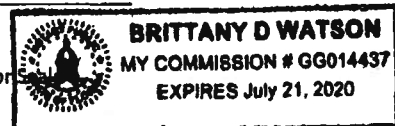
The foregoing instrument was acknowledged before me, a Florida Notary, this 11 day of Feb, 20 20 by:

Don Little as owner for Don Little Construction & Roofing  
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known / OR Produced Identification \_\_\_\_\_ Type \_\_\_\_\_

Notary Signature [Signature]

Notary Stamp or Seal









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

RE: lot\_23 - 'Turkey Creek'

**MiTek USA, Inc.**

6904 Parke East Blvd.  
Tampa, FL 33610-4115

**Site Information:**

Customer Info: Don Little Construction Project Name: . Model: .  
Lot/Block: . Subdivision: .  
Address: ., .  
City: Lake City State: FL

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

Name: License #:  
Address:  
City: State:

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

Design Code: FBC2017/TPI2014  
Wind Code: ASCE 7-10  
Roof Load: 40.0 psf

Design Program: MiTek 20/20 8.2  
Wind Speed: 130 mph  
Floor Load: N/A psf

This package includes 17 individual, Truss Design Drawings and 0 Additional Drawings.  
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T19383294	A1GE	2/11/20
2	T19383295	A2	2/11/20
3	T19383296	A3	2/11/20
4	T19383297	A4	2/11/20
5	T19383298	A5	2/11/20
6	T19383299	A6GE	2/11/20
7	T19383300	B1GE	2/11/20
8	T19383301	B2	2/11/20
9	T19383302	C1GE	2/11/20
10	T19383303	C2	2/11/20
11	T19383304	C3	2/11/20
12	T19383305	D1GE	2/11/20
13	T19383306	D2	2/11/20
14	T19383307	E1GE	2/11/20
15	T19383308	E2	2/11/20
16	T19383309	E3GIR	2/11/20
17	T19383310	M1GIR	2/11/20

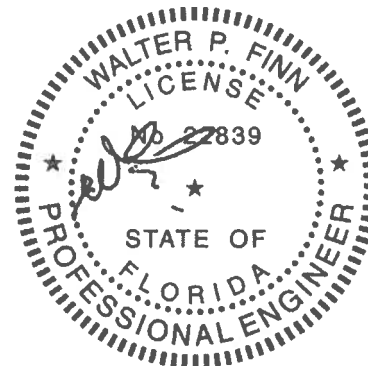


The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Finn, Walter

My license renewal date for the state of Florida is February 28, 2021.

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



Walter P. Finn PE No. 22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

Finn, Walter

1 of 1

Job	Truss	Truss Type	Qty	Ply	
lot_23	A1GE	Common Structural Gable	1	1	T19383294

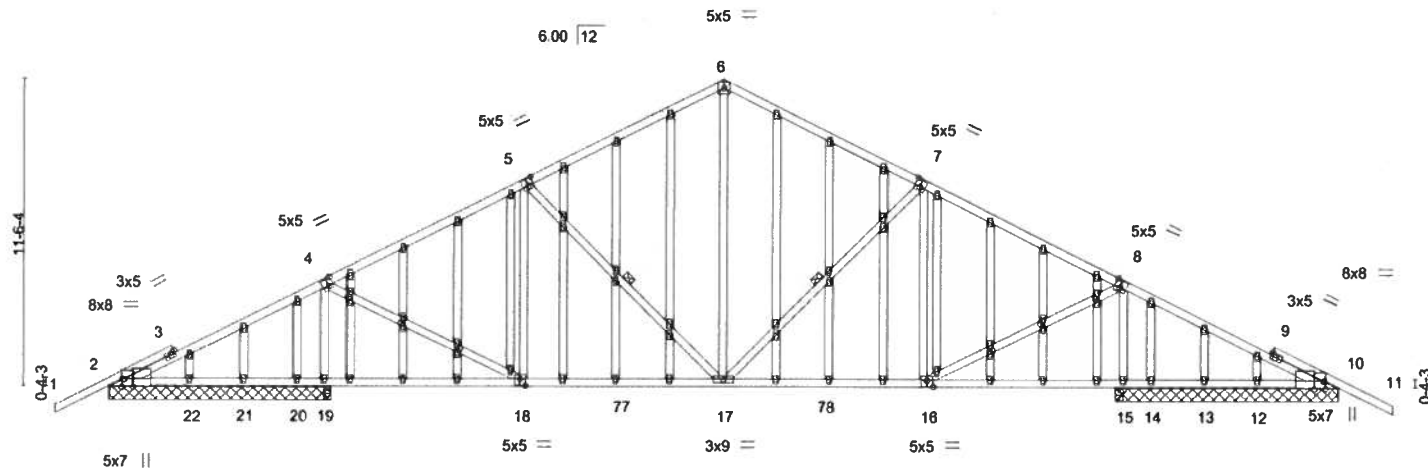
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:40:58 2020 Page 1

ID:WVa\_VAV3lzNKV3eKh4K4MYzq5V5-fRq14wAIEawoeTHlme23QWF1yPvIRha5qplEXzmBqp

1-6-0	8-0-5	15-6-3	23-0-0	30-5-13	37-11-11	46-0-0	47-6-0
1-6-0	8-0-5	7-5-13	7-5-13	7-5-13	7-5-13	8-0-5	1-6-0

Scale = 1:86.5



	8-0-5	8-3-8	15-6-3	23-0-0	30-5-13	37-8-8	37-11-11	46-0-0
	8-0-5	0-3-3	7-2-11	7-5-13	7-5-13	7-2-11	0-3-3	8-0-5

Plate Offsets (X,Y)-- [2:0-3-8,Edge], [2:0-4-3,Edge], [4:0-2-4,0-3-4], [5:0-2-8,0-3-4], [7:0-2-8,0-3-4], [8:0-2-4,0-3-4], [10:0-4-3,Edge], [10:0-3-8,Edge], [16:0-2-8,0-3-0], [18:0-2-8,0-3-0], [34:0-1-14,0-1-0], [37:0-1-14,0-1-0], [40:0-1-14,0-1-0], [59:0-1-14,0-1-0], [62:0-1-14,0-1-0], [65:0-1-14,0-1-0]

<b>LOADING</b> (psf)	<b>SPACING-</b>	2-0-0	<b>CSI.</b>	<b>DEFL.</b>	in (loc)	l/defl	L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.09	17-18	>999	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.50	Vert(CT)	-0.16	17-18	>999		
BCLL 0.0	Rep Stress Incr	YES	WB 0.37	Horz(CT)	0.01	15	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						
								Weight: 419 lb	FT = 0%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied.  
BOT CHORD Rigid ceiling directly applied.  
WEBS 1 Row at midpt 7-17, 5-17

**REACTIONS.** All bearings 8-3-8.  
(lb) - Max Horz 2=-228(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 21, 22, 13, 12, 10 except 20=-132(LC 3), 14=-132(LC 3)  
Max Grav All reactions 250 lb or less at joint(s) 2, 21, 22, 13, 12, 10, 2, 10 except 15=1656(LC 1), 15=1656(LC 1), 19=1680(LC 17), 19=1656(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-4=-133/488, 4-5=-979/294, 5-6=-918/375, 6-7=-895/375, 7-8=-976/294, 8-10=-136/409  
BOT CHORD 2-22=-320/233, 21-22=-320/233, 20-21=-320/233, 19-20=-320/233, 18-19=-292/222, 17-18=0/892, 16-17=0/813, 15-16=-271/220, 14-15=-303/230, 13-14=-303/230, 12-13=-303/230, 10-12=-303/230  
WEBS 6-17=-104/402, 7-16=-371/180, 8-16=-189/1151, 8-15=-1497/479, 5-18=-371/179, 4-18=-188/1196, 4-19=-1535/476

- 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=46ft; 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) 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 2x4 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, with BCDL = 10.0psf.
  - 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 21, 22, 13, 12, 10, 2, 10 except (jt=lb) 20=132, 14=132.
  - 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.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11,2020

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE M11-7473 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.



6904 Parke East Blvd.  
Tampa, FL 33610

Job lot_23	Truss A2	Truss Type Common	Qty 6	Ply 1	T19383295
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8 240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:40:59 2020 Page 1

ID: fWa\_VAV3IzNKV3eKh4K4MYzq5VS-7dOhHGBw?l2fGdsxrU9Hod3QjMI?1sKjKUYrmzzmBqo

1-6-0	4-4-2	8-1-12	15-6-14	23-0-0	28-7-7	34-2-13	39-10-4	46-0-0	47-6-0
1-6-0	4-4-2	3-9-10	7-5-2	7-5-2	5-7-7	5-7-7	5-7-7	6-1-12	1-6-0

Scale = 1:79.4

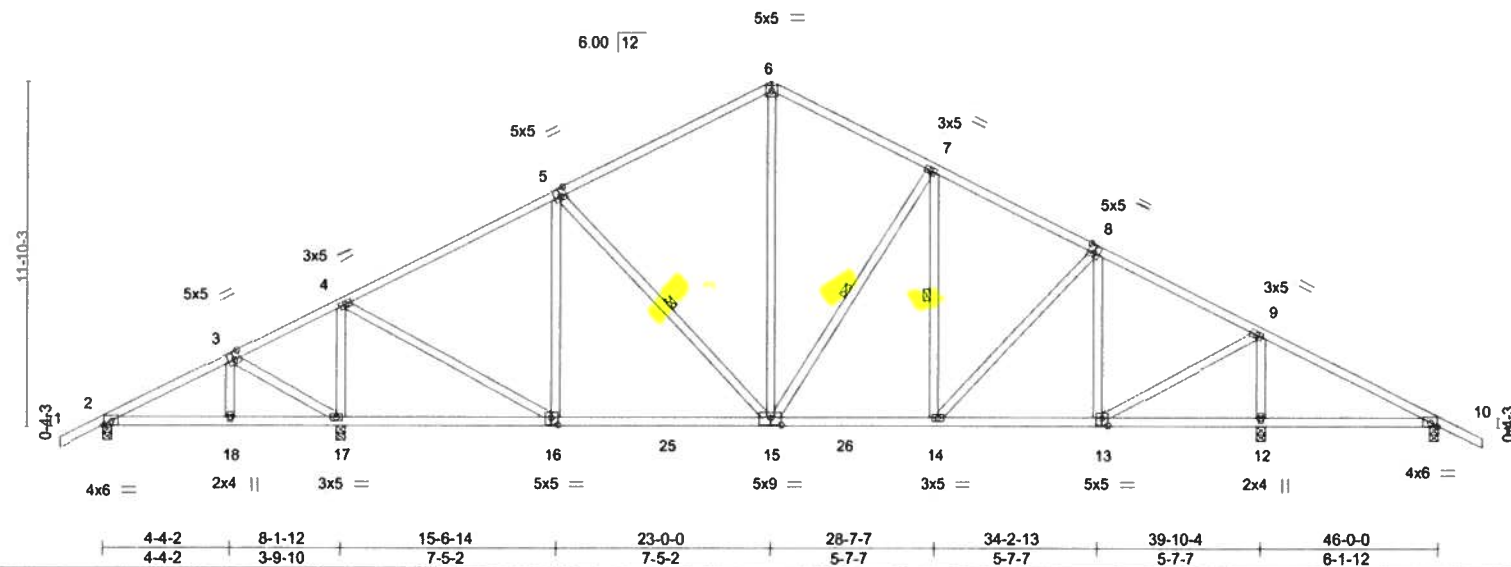


Plate Offsets (X,Y)--		[3:0-2-8,0-3-0], [5:0-2-8,0-3-4], [8:0-2-8,0-3-0], [13:0-2-8,0-3-0], [15:0-4-8,0-3-0], [16:0-2-8,0-3-0]											
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP		
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.10 15-16	>999	240	MT20	244/190		
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(CT)	-0.19 15-16	>999	180				
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.47	Horz(CT)	0.02 12	n/a	n/a				
BCDL	10.0	Code FBC2017/TPI2014		Matrix-AS									
										Weight: 281 lb	FT = 0%		

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied.  
BOT CHORD Rigid ceiling directly applied.  
WEBS 1 Row at midpt 5-15, 7-15, 7-14

**REACTIONS.** All bearings 0-3-8.  
(lb) - Max Horz 2=-230(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 17, 12 except 2=-105(LC 12), 10=-101(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 10 except 2=298(LC 21), 17=1749(LC 1), 12=1656(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-68/404, 4-5=-1035/317, 5-6=-1017/415, 6-7=-969/424, 7-8=-1159/406,  
8-9=-1009/312, 9-10=-27/342  
BOT CHORD 16-17=-292/218, 15-16=0/939, 14-15=-7/975, 13-14=-42/848, 12-13=-250/116,  
10-12=-250/116  
WEBS 3-17=-298/279, 4-17=-1520/445, 4-16=-214/1256, 5-16=-439/204, 6-15=-173/514,  
7-15=-367/191, 8-13=-497/169, 9-13=-156/1206, 9-12=-1504/418

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=46ft; 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 and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 17, 12 except (jt=lb) 2=105, 10=101.
  - 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.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11,2020

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.**

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6904 Parke East Blvd  
Tampa, FL 33610

Job lot_23	Truss A3	Truss Type Common	Qty 4	Ply 1	T19383296
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:01 2020 Page 1

ID: fWa\_VAV3lzNKV3eKh4K4MYzq5VS-30WRiyDBXVINv0KzvCih28mE9RSVmW0oo1yrszmBqm

1-6-0	4-4-2	8-1-12	15-6-14	23-0-0	28-6-13	34-1-11	40-0-0
1-6-0	4-4-2	3-9-10	7-5-2	7-5-2	5-6-13	5-6-13	5-10-5

Scale = 1:76.8

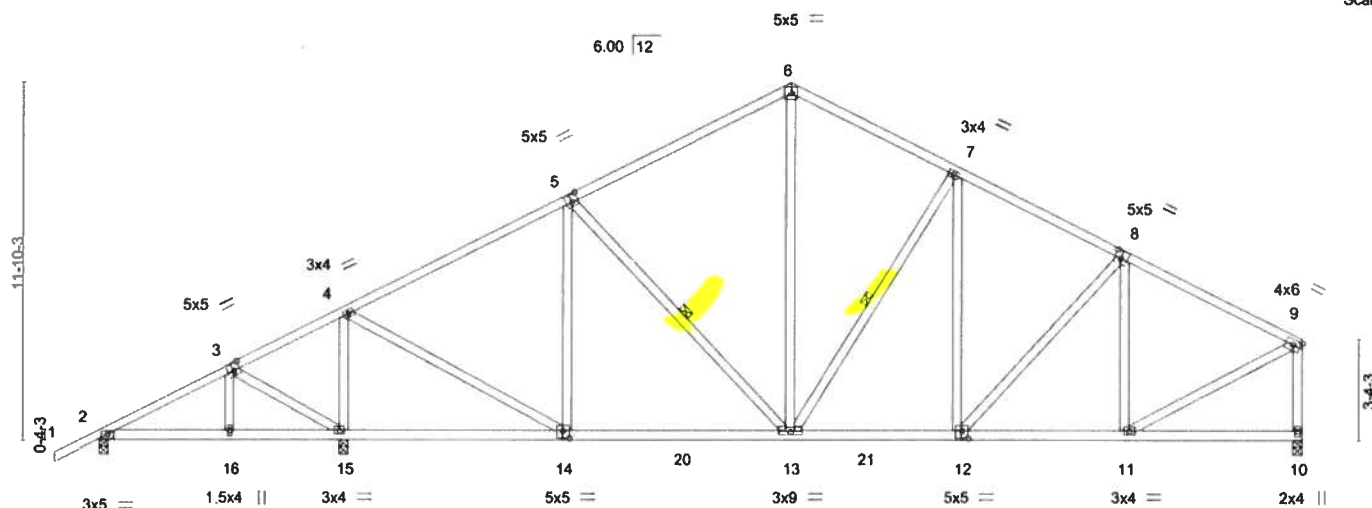


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [5:0-2-8,0-3-4], [8:0-2-8,0-3-0], [12:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.51	Vert(LL)	-0.10 13-14	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.51	Vert(CT)	-0.19 13-14	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.49	Horz(CT)	0.03 10	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS					Weight: 260 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 5-13, 7-13

**REACTIONS.** (lb/size) 2=268/0-3-8, 15=1783/0-3-8, 10=1228/0-3-8  
Max Horz 2=258(LC 11)  
Max Uplift 2=-94(LC 12), 15=-86(LC 12)  
Max Grav 2=297(LC 21), 15=1783(LC 1), 10=1228(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 3-4=-192/398, 4-5=-1072/301, 5-6=-1066/412, 6-7=-1017/421, 7-8=-1249/411,  
8-9=-1186/330, 9-10=-1172/309  
BOT CHORD 14-15=-306/173, 13-14=-152/956, 12-13=-191/1037, 11-12=-235/997  
WEBS 3-15=-297/280, 4-15=-1545/512, 4-14=-288/1285, 5-14=-457/240, 6-13=-170/558,  
7-13=-420/200, 8-11=-402/182, 9-11=-219/1080

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 15.
  - 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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6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

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6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	
lot_23	A4	Common	1	1	

T19383297

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

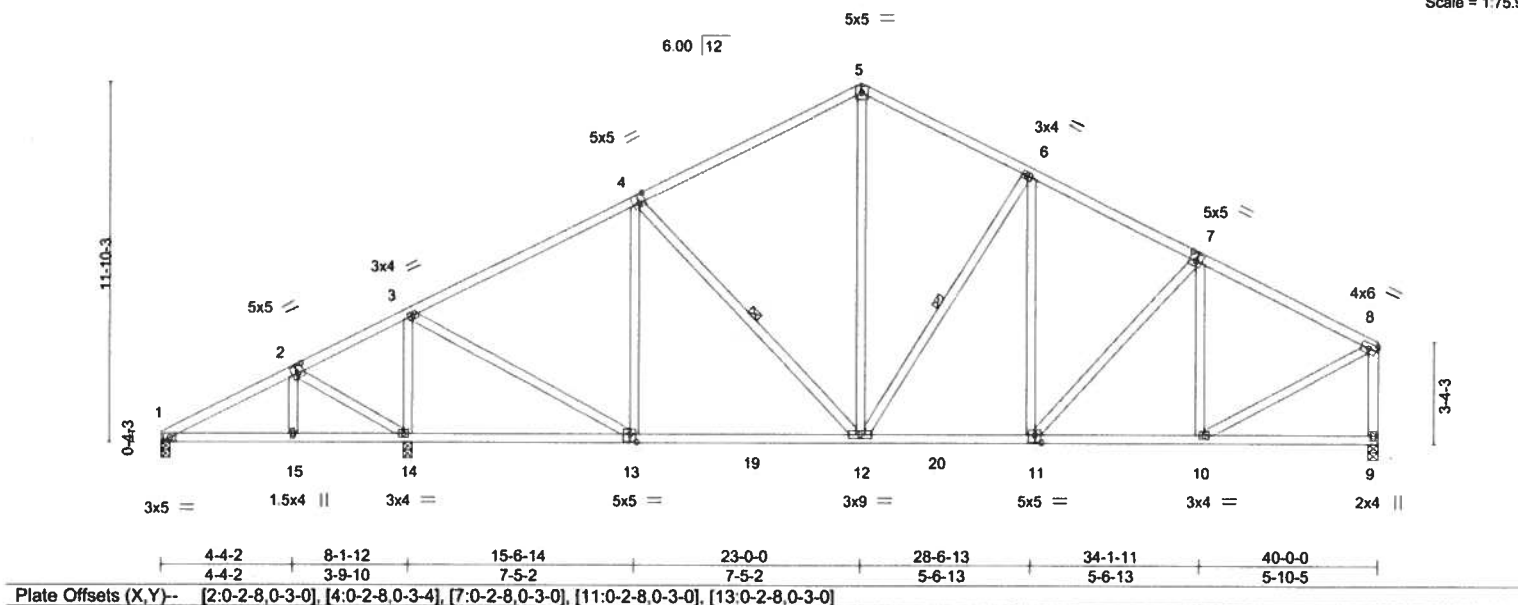
8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:02 2020 Page 1

ID: fWw\_VAV3IzNKV3eKh4K4MYzq5VS-XC4pviDploQE74bWXqj\_EGhxxZnhEDk90SnVNIzmBqI

Job Reference (optional)

4-4-2	8-1-12	15-6-14	23-0-0	28-6-13	34-1-11	40-0-0
4-4-2	3-9-10	7-5-2	7-5-2	5-6-13	5-6-13	5-10-5

Scale = 1:75.9



LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	Vert(LL)	-0.10 12-13	>999	240	MT20	244/190
TCDL 10.0	Plate Grip DOL 1.25	BC 0.51	Vert(CT)	-0.19 12-13	>999	180		
BCLL 0.0	Lumber DOL 1.25	WB 0.49	Horz(CT)	0.03 9	n/a	n/a		
BCDL 10.0	Rep Stress Incr YES	Matrix-AS						
	Code FBC2017/TPI2014						Weight: 258 lb	FT = 0%

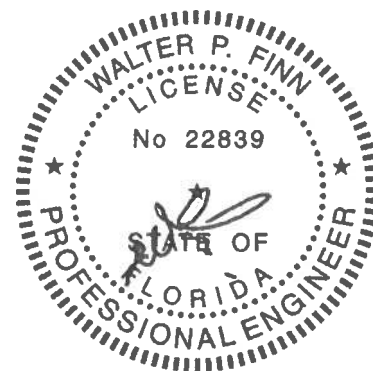
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
WEBS 2x4 SP No.2

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

**REACTIONS.** (lb/size) 1=167/0-3-8, 14=1794/0-3-8, 9=1228/0-3-8  
Max Horz 1=248(LC 11)  
Max Uplift 1=-52(LC 12), 14=-92(LC 12)  
Max Grav 1=196(LC 21), 14=1794(LC 1), 9=1228(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-195/403, 3-4=-1071/298, 4-5=-1065/411, 5-6=-1017/419, 6-7=-1248/410,  
7-8=-1185/329, 8-9=-1171/308  
BOT CHORD 13-14=-309/179, 12-13=-151/954, 11-12=-191/1037, 10-11=-235/997  
WEBS 2-14=-323/294, 3-14=-1546/513, 3-13=-291/1289, 4-13=-459/241, 5-12=-169/557,  
6-12=-420/200, 7-10=-402/181, 8-10=-219/1079

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCCL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=40ft; eave=5ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(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
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 14.
  - 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.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
lot_23	A5	Common	11	1	

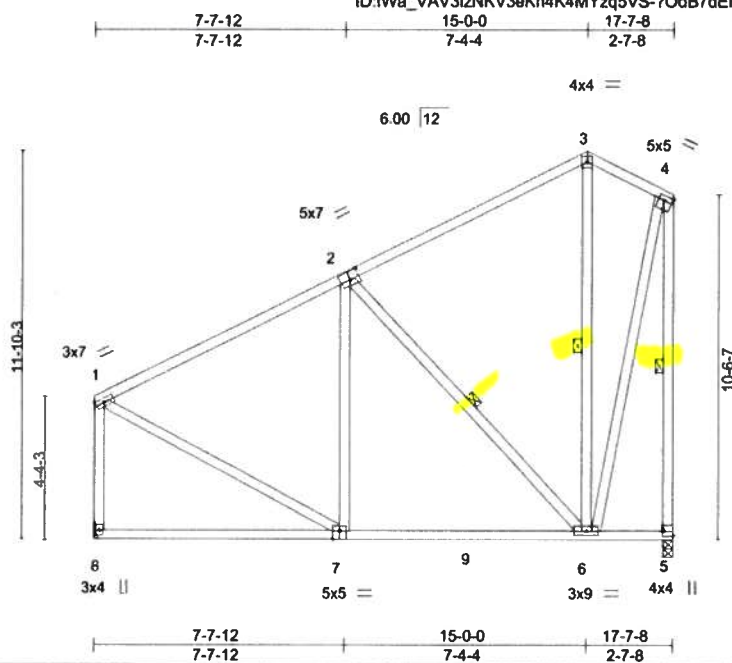
T19383298

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

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:03 2020 Page 1

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Job Reference (optional)



Scale = 1/70.5

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

LOADING (psf)	SPACING-		CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.68	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.49	Vert(CT)	-0.16	6-7	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.68	Horz(CT)	-0.01	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						Weight: 148 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 2-6, 3-6, 4-5

**REACTIONS.** (lb/size) 8=693/Mechanical, 5=693/0-3-8

Max Horz 8=322(LC 11)  
 Max Uplift 5=-25(LC 9)  
 Max Grav 8=693(LC 1), 5=742(LC 17)

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

TOP CHORD 1-2=-592/156, 2-3=-330/212, 3-4=-299/270, 1-8=-628/199, 4-5=-748/285  
 BOT CHORD 7-8=-554/424, 6-7=-397/531  
 WEBS 2-6=-504/316, 1-7=-84/516, 4-6=-342/705

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 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.



Walter P. Finn PE No.22839  
 MiTek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

February 11, 2020

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**MiTek**

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 Tampa, FL 33610

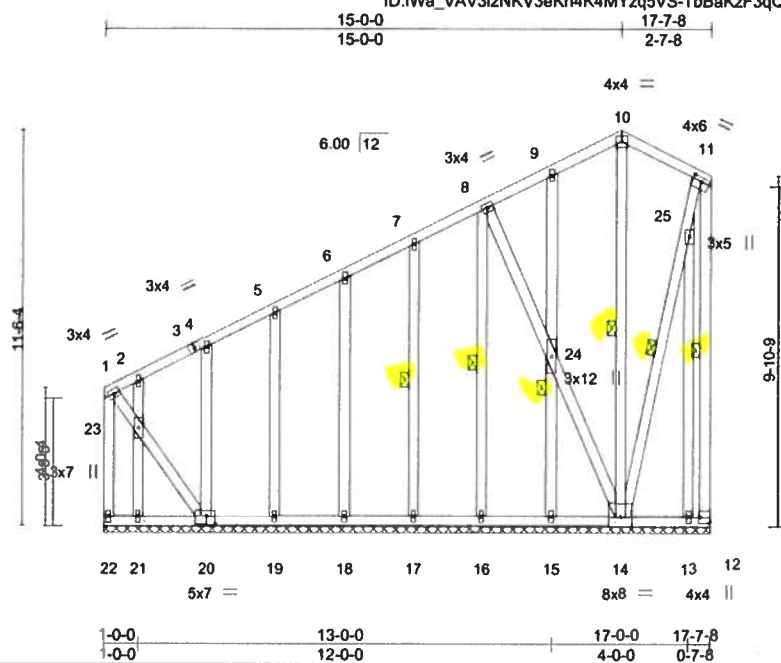
Job lot_23	Truss A6GE	Truss Type Common Supported Gable	Qty 1	Ply 1	T19383299
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Mayo Truss Company, Inc., Mayo, FL - 32066,

Job Reference (optional)

8 240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:04 2020 Page 1

ID: fWa\_VAV3lzNKV3eKh4K4MYzq5VS-TbBaKzF3qQhyMOIve1ISJhmFZMU4iC4SUMGcRBzmBqj



Scale = 1:67.2

Plate Offsets (X,Y)-- [11:0-3-0-0-1-8], [12:Edge,0-3-8], [20:0-3-4-0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.63	Vert(LL)	n/a	-	n/a	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.32	Vert(CT)	n/a	-	n/a		
BCLL 0.0	Rep Stress Incr	YES	WB 0.12	Horz(CT)	-0.01	12	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S					Weight: 213 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. Except:  
8-1-10 oc bracing: 21-22  
8-2-11 oc bracing: 20-21.  
WEBS 1 Row at midpt 11-12, 10-14, 8-16, 7-17, 11-14  
JOINTS 1 Brace at Jt(s): 24

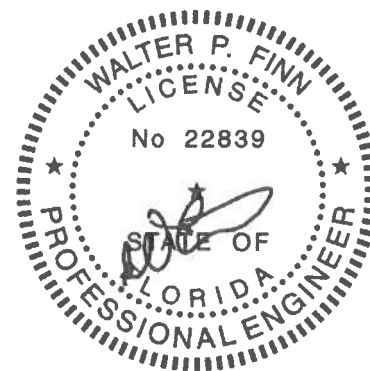
**REACTIONS.** All bearings 17-7-8.  
(lb) - Max Horz 22=313(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 14, 17, 18, 19 except 22=125(LC 10), 12=236(LC 11), 20=228(LC 9), 13=229(LC 12)  
Max Grav All reactions 250 lb or less at joint(s) 22, 12, 14, 16, 17, 18, 19, 15, 21 except 20=263(LC 17), 13=277(LC 11)

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

TOP CHORD 1-22=-394/217, 1-2=-271/143, 2-4=-251/147  
BOT CHORD 21-22=-524/377, 20-21=-524/377  
WEBS 1-23=-266/442, 20-23=-345/573

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=2ft; Cat. II; Exp B; End., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- All plates are 1.5x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Truss to be fully sheathed from one face or securely braced against lateral movement (i.e. diagonal web).
- Gable studs spaced at 2-0-0 oc.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 14, 17, 18, 19 except (jt=lb) 22=125, 12=236, 20=228, 13=229.



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

February 11, 2020

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6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	
lot_23	B1GE	Common Supported Gable	1	1	T19383300

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

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:06 2020 Page 1

ID:FWa\_VAV3IzNKV3eKh4K4MYzq5VS-QzJKlGJL1xfclHmSrwO6njAFJA6klx4ljW3zmBqh

1-6-0	19-0-0	38-0-0	39-6-0
1-6-0	19-0-0	19-0-0	1-6-0

Scale = 1.69.7

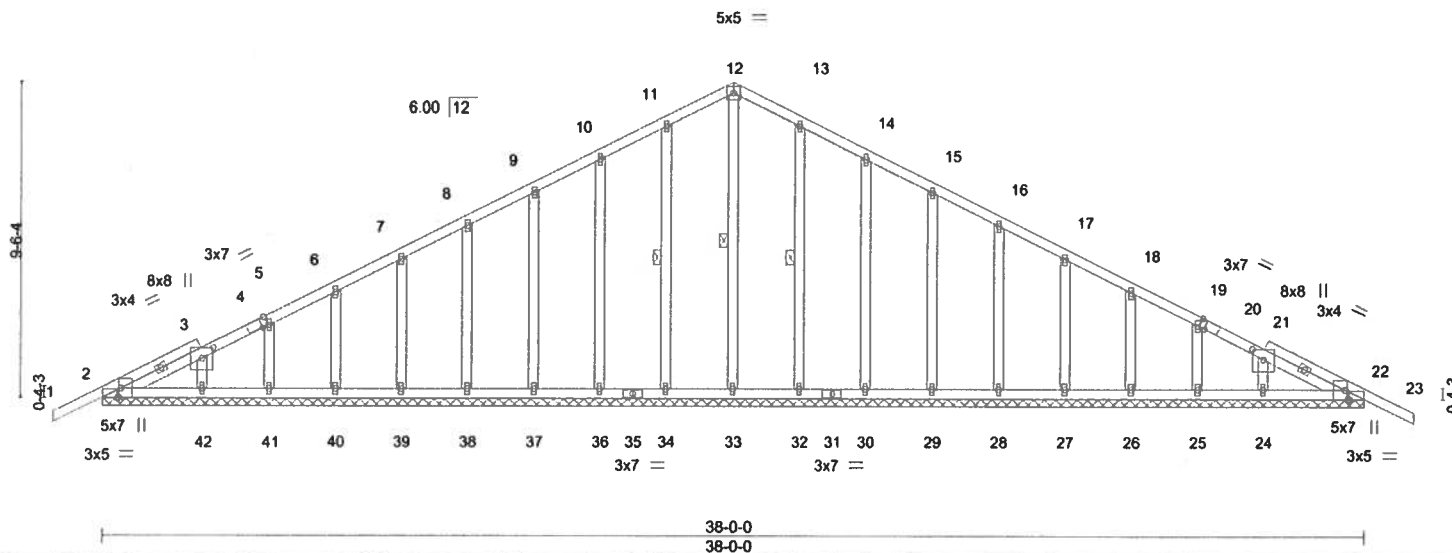


Plate Offsets (X,Y)--	[2:0-3-8,Edge], [2:0-1-8,Edge], [3:0-3-12,0-4-0], [4:0-1-14,Edge], [20:0-1-14,Edge], [21:0-3-12,0-4-0], [22:0-3-8,Edge], [22:0-1-8,Edge]
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LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.01	23	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.01	23	n/r	120		
BCLL 0.0 *	Rep Stress Incr	YES	WB 0.11	Horz(CT)	0.01	22	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 252 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.  
WEBS 1 Row at midpt 12-33, 11-34, 13-32

**REACTIONS.** All bearings 38-0-0.  
(lb) - Max Horz 2=180(LC 11)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 34, 36, 37, 38, 39, 40, 41, 32, 30, 29, 28, 27, 26, 25, 22  
Max Grav All reactions 250 lb or less at joint(s) 2, 33, 34, 36, 37, 38, 39, 40, 41, 42, 32, 30, 29, 28, 27, 26, 25, 24, 22

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 11-12=109/290, 12-13=109/290

- 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=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 requires continuous bottom chord bearing.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 34, 36, 37, 38, 39, 40, 41, 32, 30, 29, 28, 27, 26, 25, 22.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITTEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE**  
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**MiTek**  
6904 Parke East Blvd.  
Tampa, FL 33610

Job lot_23	Truss B2	Truss Type Common	Qty 6	Ply 1	T19383301
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:07 2020 Page 1

ID: fWa\_VAV3IzNKV3eKh4K4MYzq5VS-uAtiy7Hx6L3WDrTUJ9JxJOntaR1vTruAkUG2VzmBqg

1-6-0	6-8-5	12-10-3	19-0-0	25-1-13	31-3-11	38-0-0	39-6-0
1-6-0	6-8-5	6-1-13	6-1-13	6-1-13	6-1-13	6-8-5	1-6-0

Scale = 1:66.1

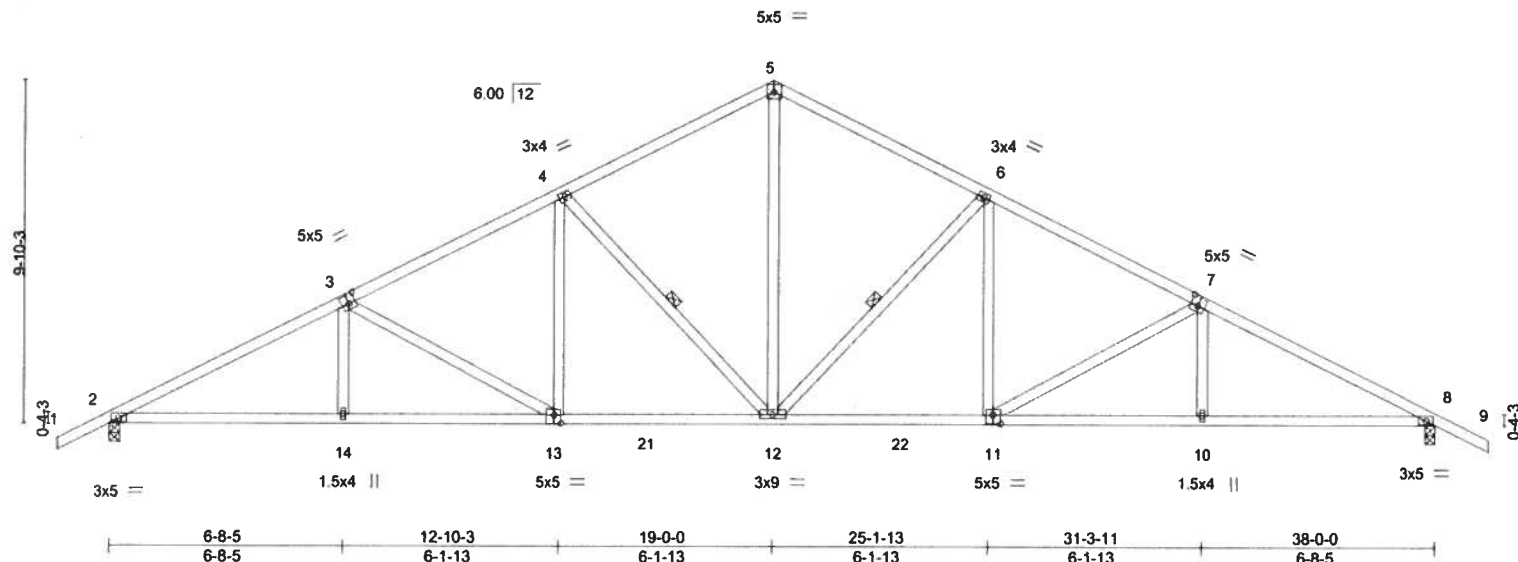


Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [11:0-2-8,0-3-0], [13:0-2-8,0-3-0]

LOADING (psf)	SPACING-	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL 1.25	TC 0.46	Vert(LL)	-0.17 12-13	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL 1.25	BC 0.69	Vert(CT)	-0.35 12-13	>999	180		
BCLL 0.0	Rep Stress Incr YES	WB 0.50	Horz(CT)	0.14 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014	Matrix-AS					Weight: 212 lb	FT = 0%

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

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

**REACTIONS.** (lb/size) 2=1610/0-3-8, 8=1610/0-3-8  
Max Horz 2=186(LC 11)  
Max Uplift 2=-36(LC 12), 8=-36(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 2-3=-2900/684, 3-4=-2356/628, 4-5=-1796/568, 5-6=-1796/568, 6-7=-2356/628,  
7-8=-2900/684  
BOT CHORD 2-14=-482/2567, 13-14=-484/2564, 12-13=-308/2074, 11-12=-309/2025, 10-11=-495/2524,  
8-10=-494/2527  
WEBS 5-12=-313/1171, 6-12=-773/269, 6-11=-31/462, 7-11=-569/214, 7-10=0/260,  
4-12=-773/269, 4-13=-31/462, 3-13=-569/214, 3-14=0/260

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=38ft; eave=5ft; Cat. II; Exp B; Encl., GCpl=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 8.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

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6904 Parke East Blvd  
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	...	T19383302
lot_23	C1GE	Common Structural Gable	1	1		

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:09 2020 Page 1

ID: fWa\_VAV3lzNKV3eKh4K4MYzq5VS-qY?TNhJCeyJET9dsRaLd0Kt3zN7kNLDBd2zN7OzmBqe

8-0-7	16-0-0	23-11-9	32-0-0	33-6-0
8-0-7	7-11-9	7-11-9	8-0-7	1-6-0

Scale = 1:69.9

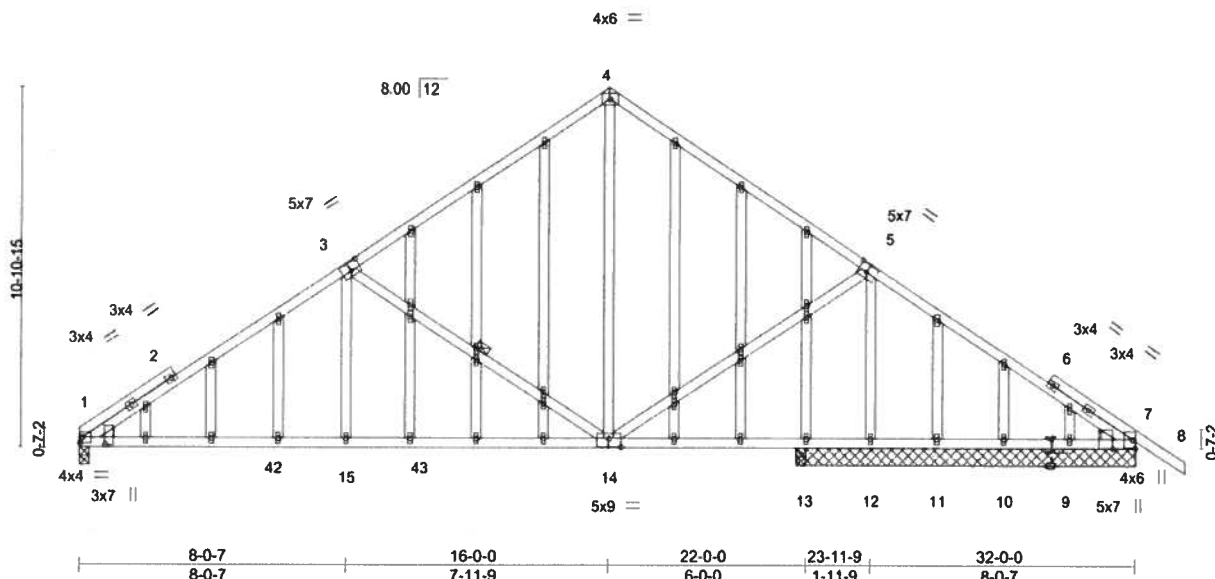


Plate Offsets (X, Y)-- [1:0-2-8,0-8-5], [3:0-3-8,0-3-0], [5:0-3-4,0-3-0], [7:0-3-4,0-7-5], [14:0-4-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.08	1-15	>999	240	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.61	Vert(CT)	-0.19	1-15	>999	180	
BCLL 0.0	Rep Stress Incr	YES	WB 0.64	Horz(CT)	0.02	13	n/a	n/a	
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						
								Weight: 264 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 3-14

**REACTIONS.** All bearings 10-3-8 except (jt=length) 1=0-3-8.

(lb) - Max Horz 1=-210(LC 10)

Max Uplift All uplift 100 lb or less at joint(s) 12, 7, 10, 9

Max Grav All reactions 250 lb or less at joint(s) 7, 13, 13, 11, 10, 9 except 12=1318(LC 1), 1=891(LC 17)

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

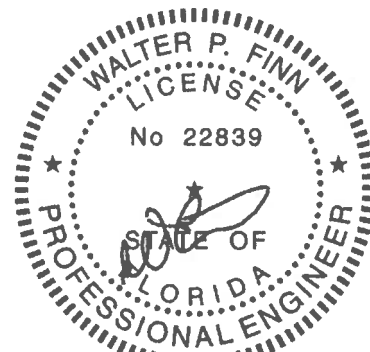
TOP CHORD 1-3=-1196/208, 3-4=-614/218, 4-5=-609/216, 5-7=-113/414

BOT CHORD 1-15=-34/1098, 14-15=-34/1093, 13-14=-318/193, 12-13=-318/193, 11-12=-332/197, 10-11=-332/197, 9-10=-332/197, 7-9=-353/209

WEBS 5-14=-27/793, 5-12=-1319/367, 3-14=-778/239, 3-15=0/324

#### 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) 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, with BCDL = 10.0psf.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 12, 7, 10, 9.
- 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.



Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

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6904 Parke East Blvd  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
lot_23	C2	Common	3	1	

T19383303

Mayo Truss Company, Inc.,

Mayo, FL - 32066,

Job Reference (optional)

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:10 2020 Page 1

ID: fWa\_VAV3lzNKV3eKh4K4MYzq5VS-ILZrb1KqPGR54JC37lssYy0GpnTV6keLsijxqzmBqd

8-0-7	16-0-0	21-10-4	26-10-11	32-0-0
8-0-7	7-11-9	5-10-4	5-0-7	5-1-5

4x6 ==

Scale = 1/69.1

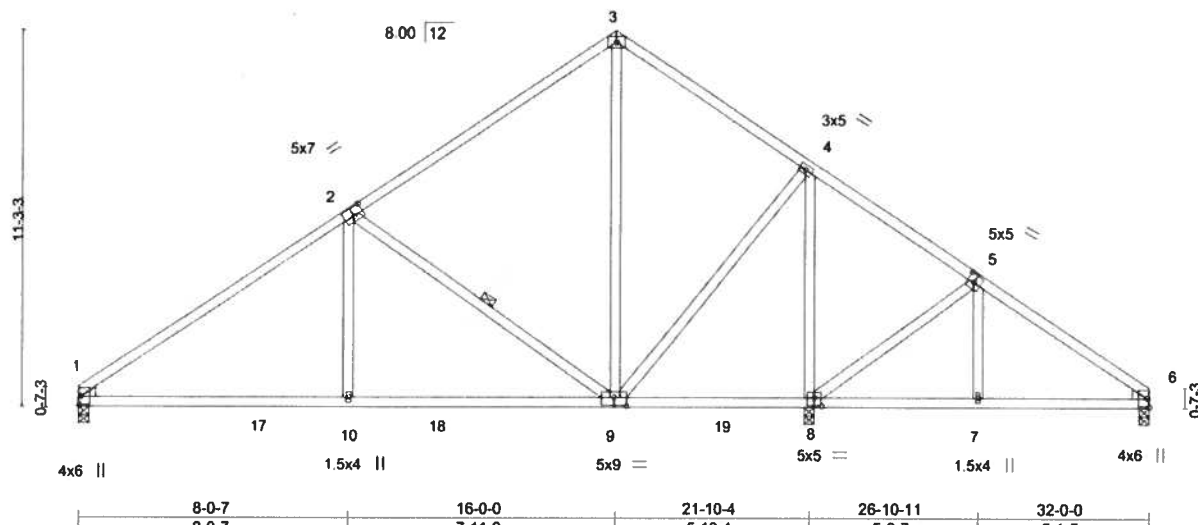


Plate Offsets (X, Y)-- [1:0-0-9,0-4-5], [1:0-0-4,0-0-7], [2:0-3-8,0-3-0], [5:0-2-8,0-3-0], [6:0-0-9,0-4-5], [6:0-0-4,0-0-7], [8:0-2-8,0-3-0], [9:0-4-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL)	-0.07 9-10	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.15 10-13	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.88	Horz(CT)	0.02 8	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						
								Weight: 182 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

**REACTIONS.**

(lb/size) 1=857/0-3-8, 8=1354/0-3-8, 6=349/0-3-8  
 Max Horz 1=-204(LC 10)  
 Max Uplift 1=-1(LC 12), 8=-81(LC 12), 6=-89(LC 12)  
 Max Grav 1=891(LC 17), 8=1354(LC 1), 6=368(LC 22)

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

TOP CHORD 1-2=-1175/211, 2-3=-556/223, 3-4=-523/234, 5-6=-396/259  
 BOT CHORD 1-10=-60/1037, 9-10=-61/1033, 7-8=-140/272, 6-7=-143/274  
 WEBS 2-10=0/358, 2-9=-769/244, 4-9=0/660, 4-8=-1022/180, 5-8=-374/328

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=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 right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 1, 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.



Walter P. Finn PE No.22839  
 MiTek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

February 11, 2020

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6904 Parke East Blvd.  
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
lot_23	C3	Common	8	1	

T19383304

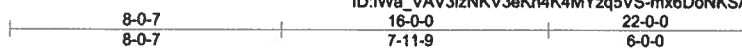
Mayo Truss Company, Inc.,

Mayo, FL - 32066,

8 240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:11 2020 Page 1

ID:FWa\_VAV3IzNKV3eKh4K4MYzq5VS-mx6DoNKSZyTnFY?N559ZPUBprjZU5MSUBHmBqc

Job Reference (optional)



4x6 =

Scale = 1:68.6

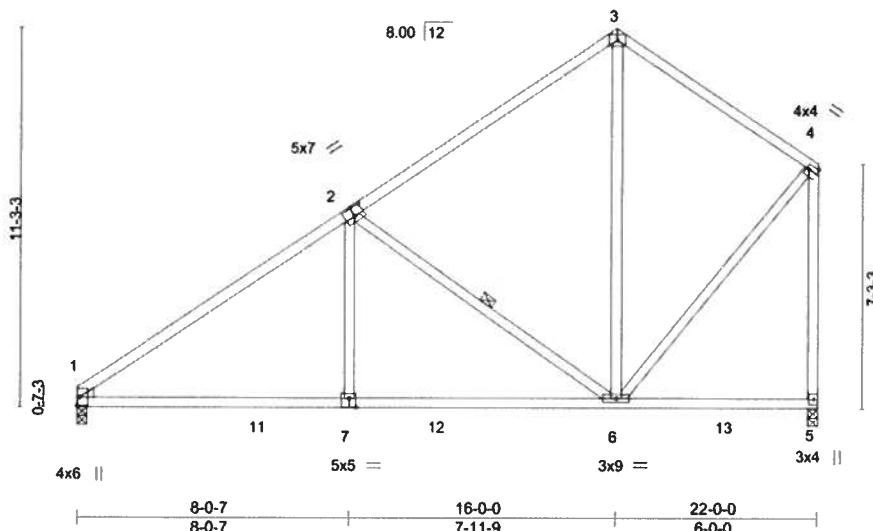


Plate Offsets (X,Y)-- [1:0-0-9,0-4-5], [1:0-0-4,0-0-7], [2:0-3-8,0-3-0], [4:Edge,0-1-12], [7:0-2-8,0-3-4]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.72	Vert(LL)	-0.07	6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.58	Vert(CT)	-0.15	7-10	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.33	Horz(CT)	0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						Weight: 134 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 2-6

**REACTIONS.**

(lb/size) 1=874/0-3-8, 5=874/0-3-8  
 Max Horz 1=282(LC 11)  
 Max Uplift 5=4(LC 12)  
 Max Grav 1=907(LC 17), 5=947(LC 17)

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

TOP CHORD 1-2=-1205/210, 2-3=-601/225, 3-4=-547/238, 4-5=-835/214  
 BOT CHORD 1-7=-356/1047, 6-7=-357/1043  
 WEBS 2-7=0/357, 2-6=-760/246, 4-6=-133/621

**NOTES-**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5.
- 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.



Walter P. Finn PE No.22839  
 MiTek USA, Inc. FL Cert 6634  
 6904 Parke East Blvd. Tampa FL 33610  
 Date:

February 11, 2020

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6904 Parke East Blvd.  
 Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	1	T19383305
lot_23	D1GE	Common Supported Gable	1	1		

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

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:13 2020 Page 1

ID: fWa\_VAV3lzNKV3eKh4K4MYzq5VS-jKEzD2MliBpgymxegQPZAaeuO?eSJHAnYgxbG9zmBqa

-1-6-0 11-0-0 22-0-0 23-6-0  
1-6-0 11-0-0 11-0-0 1-6-0

Scale = 1:50.1

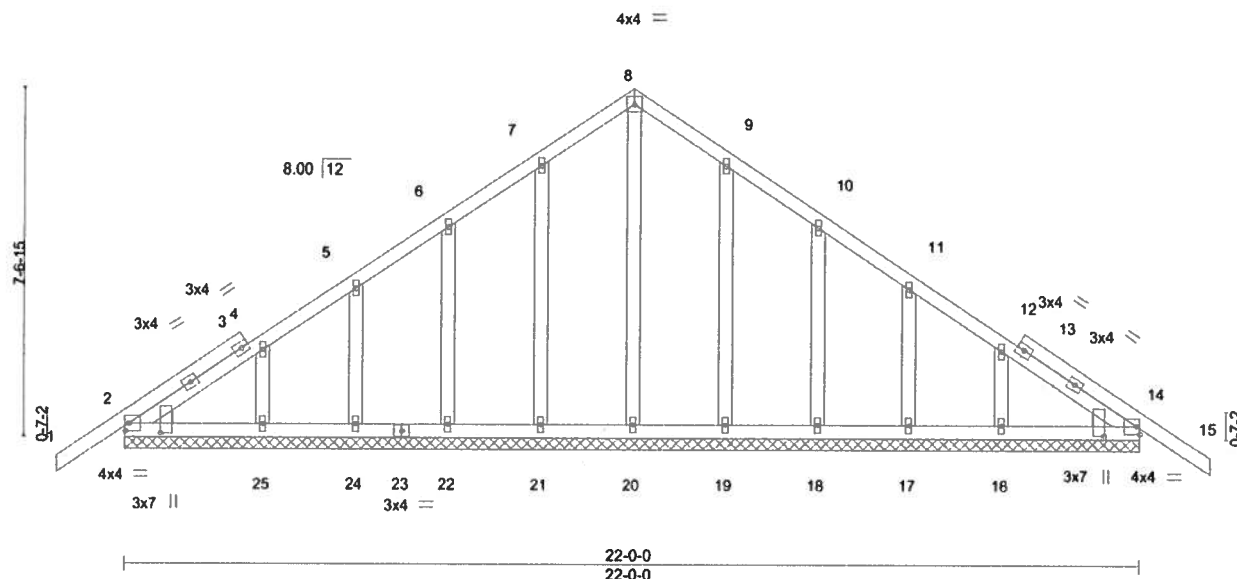


Plate Offsets (X,Y)-- [2:0-2-8,0-8-5], [14:0-2-8,0-8-5]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.18	Vert(LL)	-0.01	15	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.05	Vert(CT)	-0.01	15	n/r	120		
BCLL 0.0	Rep Stress Incr	YES	WB 0.13	Horz(CT)	0.00	14	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 142 lb	FT = 0%

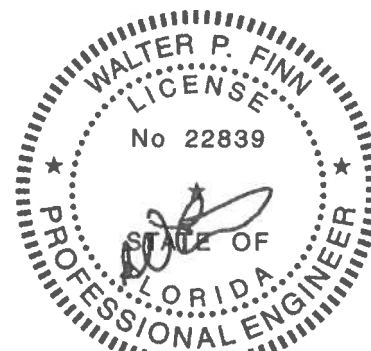
**LUMBER-**  
TOP CHORD 2x4 SP No.2  
BOT CHORD 2x4 SP No.2  
OTHERS 2x4 SP No.2  
WEDGE  
Left: 2x4 SP No.2, Right: 2x4 SP No.2

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

**REACTIONS.** All bearings 22-0-0.  
(lb) - Max Horz 2=147(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 14, 21, 22, 24, 25, 19, 18, 17, 16  
Max Grav All reactions 250 lb or less at joint(s) 2, 14, 20, 21, 22, 24, 25, 19, 18, 17, 16

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

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; 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
  - Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
  - All plates are 1.5x4 MT20 unless otherwise indicated.
  - Gable requires continuous bottom chord bearing.
  - Gable studs spaced at 2-0-0 oc.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 14, 21, 22, 24, 25, 19, 18, 17, 16.



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Date:

February 11, 2020

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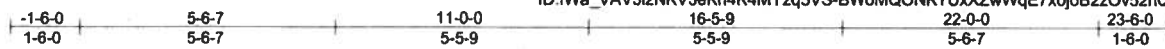
6904 Parke East Blvd.  
Tampa, FL 33610

Job lot_23	Truss D2	Truss Type Common	Qty 1	Ply 1	T19383306
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Mayo Truss Company, Inc., Mayo, FL - 32066,

8 240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:14 2020 Page 1

ID: fWa\_VAV3IzNKV3eKh4K4MYzq5VS-BWoMQONKTUxXZwWqE7xjoB2zOv52hQwnKh8obzmBqZ



Scale = 1:49.9

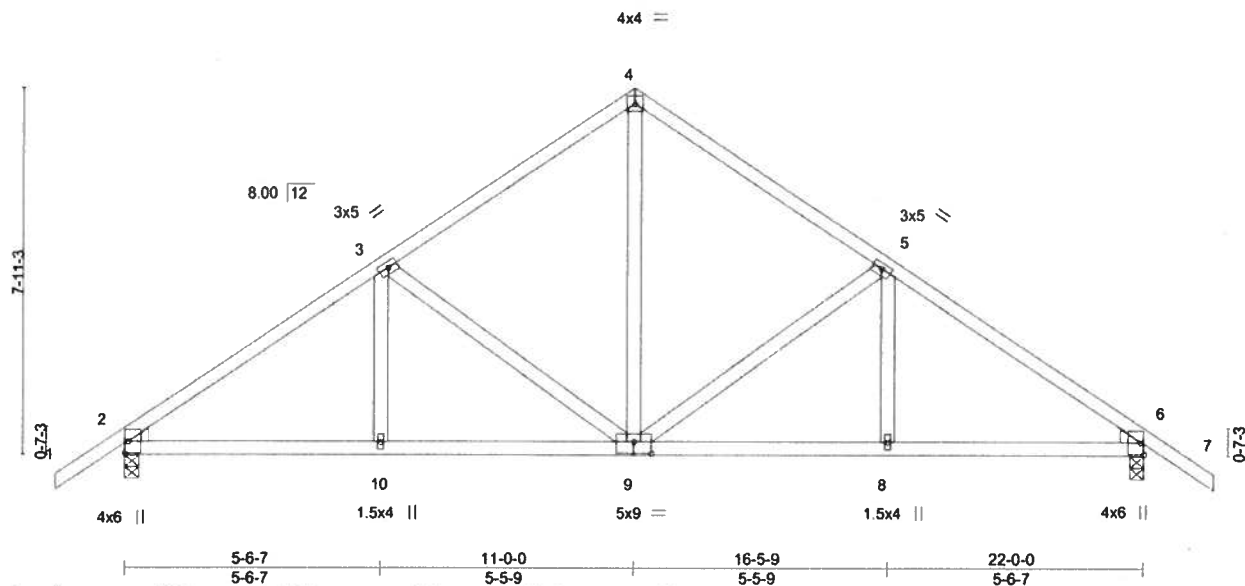


Plate Offsets (X, Y)-- [2:0-0-4,0-0-7], [2:0-0-9,0-4-5], [6:0-0-9,0-4-5], [6:0-0-4,0-0-7], [9:0-4-8,0-3-0]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.25	Vert(LL)	-0.03	9-10	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.35	Vert(CT)	-0.08	9-10	>999	180		
BCLL 0.0	Rep Stress Incr	YES	WB 0.32	Horz(CT)	0.03	6	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-AS						Weight: 120 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

**REACTIONS.** (lb/size) 2=970/0-3-8, 6=970/0-3-8  
Max Horz 2=-154(LC 10)  
Max Uplift 2=-37(LC 12), 6=-37(LC 12)

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

TOP CHORD 2-3=-1216/210, 3-4=-874/227, 4-5=-874/227, 5-6=-1216/210  
BOT CHORD 2-10=-55/941, 9-10=-55/941, 8-9=-61/941, 6-8=-61/941  
WEBS 4-9=-105/588, 5-9=-411/151, 3-9=-411/151

#### NOTES-

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 6.
- This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and 1/2" gypsum sheetrock be applied directly to the bottom chord.



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Date:

February 11,2020

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6904 Parke East Blvd.  
Tampa, FL 33610



Job	Truss	Truss Type	Qty	Ply	
lot_23	E1GE	Common Supported Gable	1	1	T19383307

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

8,240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:15 2020 Page 1

ID:fWa\_VAV3IzNKV3eKh4K4MYzq5VS-flMkekNzEo3OB440nrS1F7JESoKpnCw40\_QhK2zmBqY

-1-6-0	11-0-0	22-0-0	23-6-0
1-6-0	11-0-0	11-0-0	1-6-0

Scale = 1:42.0

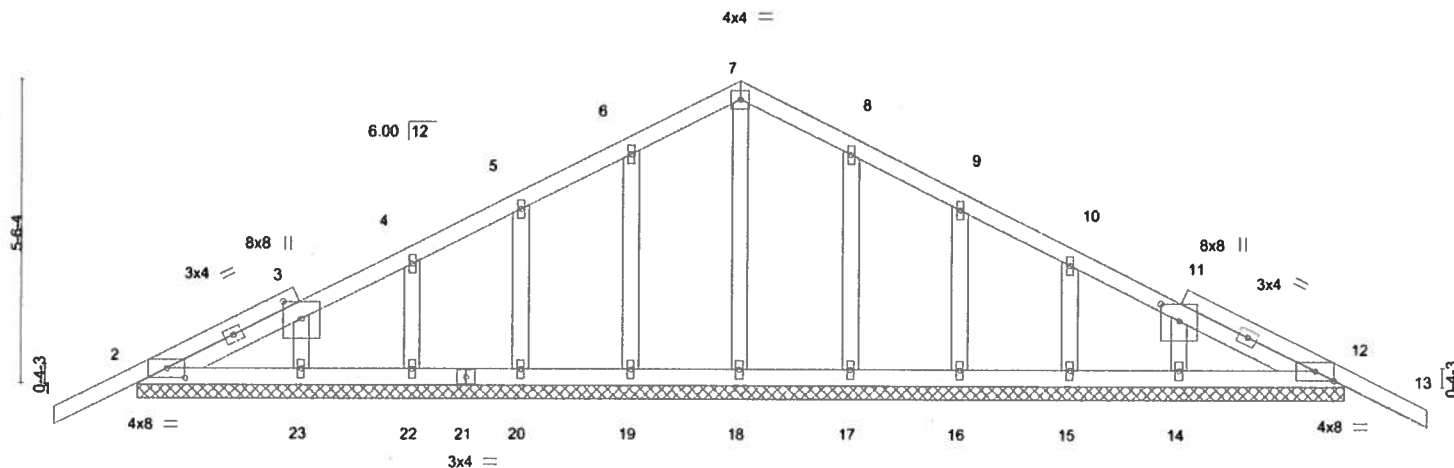


Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [3:0-3-12,0-4-0], [11:0-3-12,0-4-0], [12:0-4-0,0-2-1]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.14	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.06	Vert(CT)	-0.01	13	n/r	120		
BCLL 0.0	Rep Stress Incr	YES	WB 0.05	Horz(CT)	0.00	12	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-S						Weight: 119 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 22-0-0.  
(lb) - Max Horz 2=-98(LC 10)  
Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 19, 20, 22, 17, 16, 15  
Max Grav All reactions 250 lb or less at joint(s) 2, 12, 18, 19, 20, 22, 23, 17, 16, 15, 14

**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=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 requires continuous bottom chord bearing.
  - 6) Gable studs spaced at 2-0-0 oc.
  - 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 8) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 19, 20, 22, 17, 16, 15.



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6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11,2020

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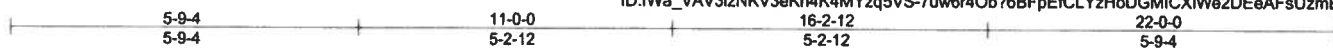
6904 Parke East Blvd.  
Tampa, FL 33610

Job lot_23	Truss E2	Truss Type Common	Qty 4	Ply 1	T19383308
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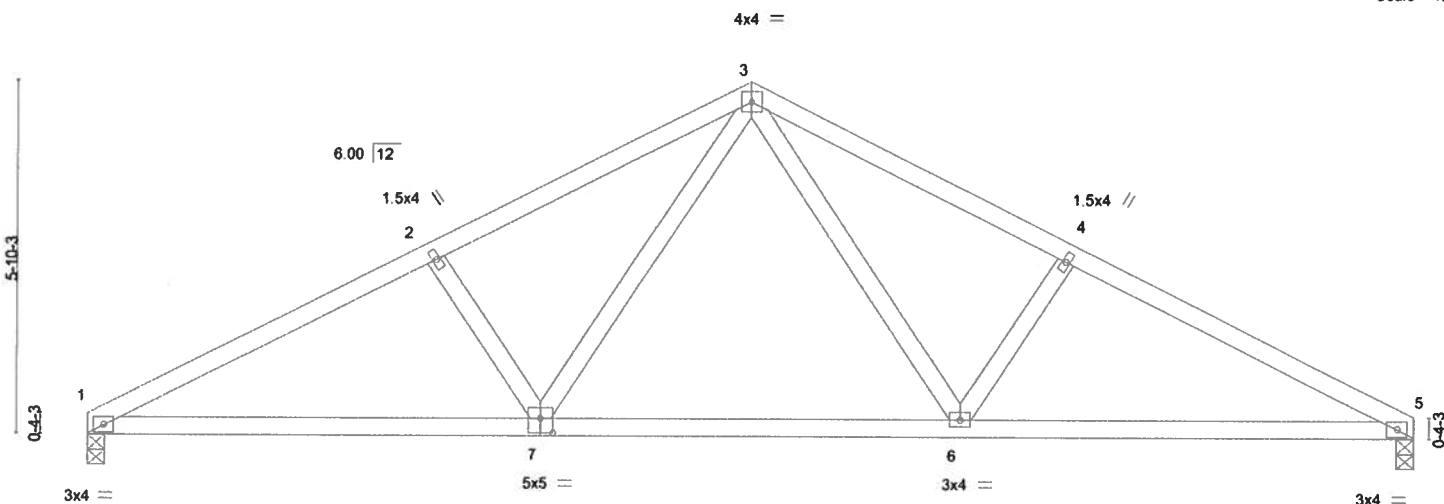
Mayo Truss Company, Inc., Mayo, FL - 32066,

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:16 2020 Page 1

ID:fWa\_VAV3IzNKV3eKh4K4MYzq5VS-7uw6r4Ob76BFpEfCLYzHoDGMICXIWe2DEeAFsUzmBqX



Scale = 1:38.3



		7-6-3				14-5-13				22-0-0	
Plate Offsets (X,Y)--		[7:0-2-8,0-3-0]				6-11-11				7-6-3	
LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plate Grip DOL	1.25	TC 0.33		Vert(LL)	-0.07 6-13	>999	240	MT20	244/190
TCDL 10.0		Lumber DOL	1.25	BC 0.55		Vert(CT)	-0.17 7-10	>999	180		
BCLL 0.0	*	Rep Stress Incr	YES	WB 0.12		Horz(CT)	0.04 5	n/a	n/a		
BCDL 10.0		Code FBC2017/TPI2014		Matrix-AS						Weight: 98 lb	FT = 0%

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

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

**REACTIONS.** (lb/size) 1=880/0-3-8, 5=880/0-3-8  
Max Horz 1=91(LC 11)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-1534/395, 2-3=-1376/403, 3-4=-1376/403, 4-5=-1534/395  
BOT CHORD 1-7=-279/1338, 6-7=-105/885, 5-6=-279/1338  
WEBS 3-6=-116/529, 4-6=-342/211, 3-7=-116/529, 2-7=-342/211

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 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:

February 11,2020

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6904 Parke East Blvd.  
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	
lot_23	E3GIR	Common Girder	1	2	

T19383309

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

8.240 s Dec 6 2019 MiTek Industries, Inc. Tue Feb 11 13:41:18 2020 Page 1

ID: fWa\_VAV3IzNKV3eKh4K4MYzq5VS-3H1sGmQrWjRy2YpbTz?lfeLf\_OCD\_RDWiyfMxNzmBqV

4-3-0	7-7-8	11-0-0	14-4-8	17-9-0	22-0-0
4-3-0	3-4-8	3-4-8	3-4-8	3-4-8	4-3-0

Scale = 1:39.9

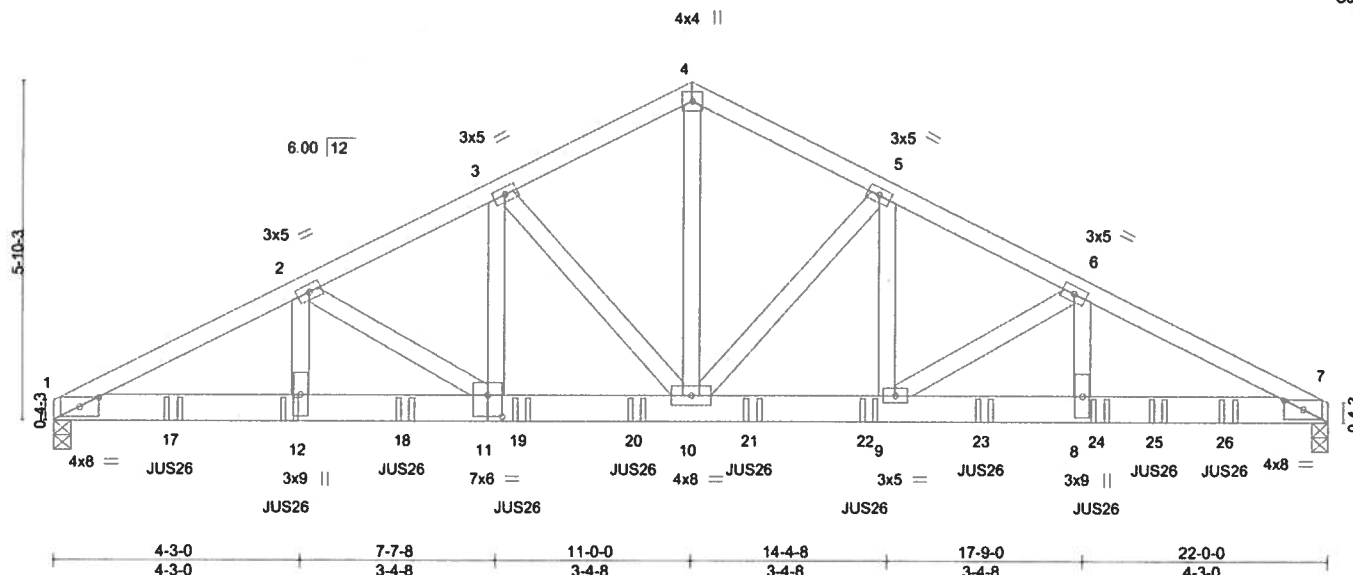


Plate Offsets (X,Y)-- [1:0-4-0,0-1-15], [7:0-4-0,0-1-15], [11:0-3-0,0-4-8]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.57	Vert(LL)	-0.14	9-10	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.59	Vert(CT)	-0.26	9-10	>998	180		
BCLL 0.0	Rep Stress Incr	NO	WB 0.52	Horz(CT)	0.07	7	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MS							
									Weight: 271 lb	FT = 0%

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

**BRACING-**  
TOP CHORD Structural wood sheathing directly applied or 3-6-11 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

**REACTIONS.** (lb/size) 1=4305/0-3-8, 7=4861/0-3-8  
Max Horz 1=-91(LC 6)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-8663/0, 2-3=-7109/0, 3-4=-5485/0, 4-5=-5475/0, 5-6=-7192/0, 6-7=-9392/0  
BOT CHORD 1-12=0/7730, 11-12=0/7730, 10-11=0/6246, 9-10=0/6391, 8-9=0/8393, 7-8=0/8393  
WEBS 4-10=0/4637, 5-10=-2283/0, 5-9=0/2274, 6-9=-2353/0, 6-8=0/1970, 3-10=-2066/0,  
3-11=0/2076, 2-11=-1672/0, 2-12=0/1372

- NOTES-**
- 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:  
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.  
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.  
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
  - All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
  - Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-10; 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
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 20-3-4 to connect truss(es) to front face of bottom chord.
  - Fill all nail holes where hanger is in contact with lumber.

**LOAD CASE(S)** Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-7=-60, 1-7=-20

Concentrated Loads (lb)

Vert: 12=-673(F) 17=-673(F) 18=-673(F) 19=-673(F) 20=-673(F) 21=-673(F) 22=-673(F) 23=-673(F) 24=-673(F) 25=-673(F)  
26=-673(F)

Walter P. Finn PE No.22839  
MiTek USA, Inc. FL Cert 6634  
6904 Parke East Blvd. Tampa FL 33610  
Date:

February 11, 2020

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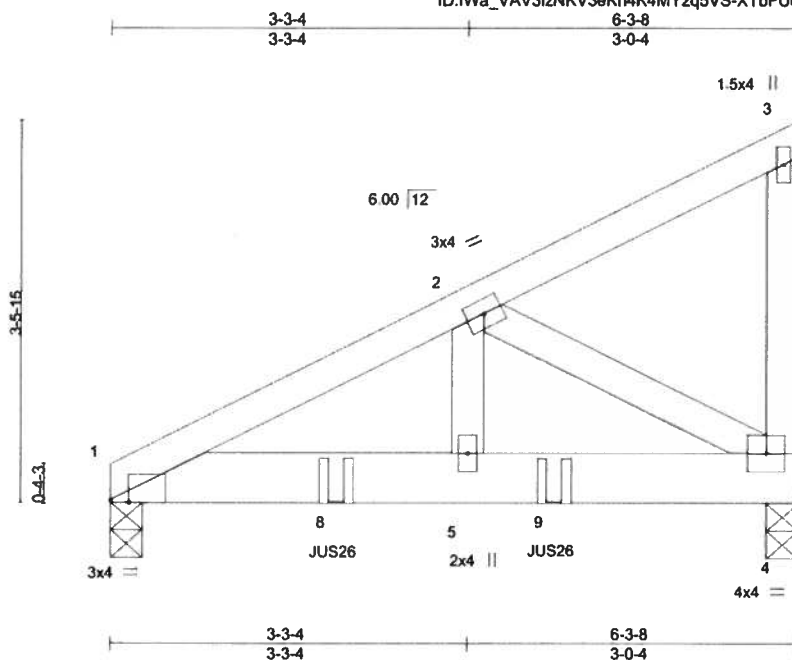


6904 Parke East Blvd.  
Tampa, FL 36610

Job lot_23	Truss M1GIR	Truss Type Monopitch Girder	Qty 1	Ply 1	T19383310
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Mayo Truss Company, Inc. Mayo, FL - 32066,

8 240 s Dec 6 2019 MITek Industries, Inc. Tue Feb 11 13:41:19 2020 Page 1  
ID:fWa\_VAV3lzNKV3eKh4K4MYzq5VS-XTbFU6RTH1apghOn0hW\_QruXhPc4l\_ufxcOvTpzmBqU



Scale = 1:21.1

Plate Offsets (X,Y)- [1:0-2-0,Edge]

LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.13	Vert(LL)	-0.01	5-7	>999	240	MT20	244/190
TCDL 10.0	Lumber DOL	1.25	BC 0.36	Vert(CT)	-0.02	5-7	>999	180		
BCLL 0.0	Rep Stress Incr	NO	WB 0.18	Horz(CT)	0.01	4	n/a	n/a		
BCDL 10.0	Code FBC2017/TPI2014		Matrix-MP							
									Weight: 36 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) 1=595/0-3-8, 4=593/0-3-8  
Max Horz 1=92(LC 5)  
Max Uplift 1=134(LC 8), 4=140(LC 8)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.  
TOP CHORD 1-2=-911/214  
BOT CHORD 1-5=-179/806, 4-5=-179/806  
WEBS 2-5=-157/639, 2-4=-921/238

- 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; porch left 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 1=134, 4=140.
  - 5) Use USP JUS26 (With 4-10d nails into Girder & 4-10d nails into Truss) or equivalent spaced at 2-0-0 oc max. starting at 2-0-12 from the left end to 4-0-12 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=1.25, Plate Increase=1.25  
Uniform Loads (plf)  
Vert: 1-3=-60, 1-4=-20  
Concentrated Loads (lb)  
Vert: 8=-348(B) 9=-348(B)



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Date:

February 11,2020

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MIT-7473 rev. 10/03/2015 BEFORE USE.**

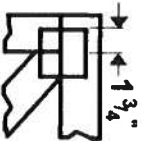
Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall 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.



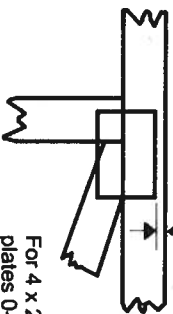
6904 Parke East Blvd.  
Tampa, FL 33610

# Symbols

## PLATE LOCATION AND ORIENTATION



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



For 4 x 2 orientation, locate plates 0- $\frac{1}{16}$ " 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

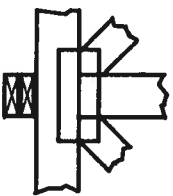
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## 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



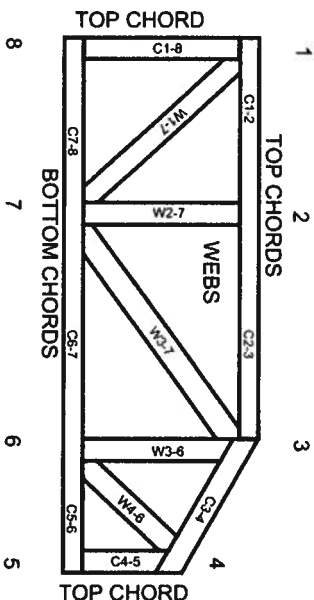
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

## Industry Standards:

ANSI/TP11: 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

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



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

## PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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