☑ Put Amanda's LOC in the System ☐ 15.00 NEEDED

# Columbia County New Building Permit Application

For Office Use Only Application # 1908-94 Date Received 8/26/19 By LH Permit # 38582

Zoning Official T.C. Date 9-4-19 Flood Zone X Land Use Ag Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' Above River N/A Plans Examiner T.C. Date 9-4-19

Comments Legal lot of Record 745/1127 Floor 1' Above Rd. F. 30' sides 25' Rear 25'

☑ NOC ☑ EH ☐ Deed or PA ☑ Site Plan ☐ State Road Info ☑ Well letter (Existing) ☐ 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. 19-0655 OR City Water ☐ Fax

Applicant (Who will sign/pickup the permit) Amanda Senea Phone 386-249-1640

Address 18282 69th Dr McAlpin, FL 32062

Owners Name Nathan Brown Phone 386-249-9743

911 Address 376 SW Daisy Rd, Lake City, FL 32024

Contractors Name Amanda Senea Phone 386-249-1640

Address 18282 69th Dr. McAlpin, FL 32062

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

Fee Simple Owner Name & Address ~~First Federal~~

Bonding Co. Name & Address

Architect/Engineer Name & Address Adam Collins

Mortgage Lenders Name & Address First Federal, PO Box 2029, Lake City, FL 32056

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

Property ID Number 23-5S-15-00467-010 Estimated Construction Cost $ 120,000

Subdivision Name NA Lot ____ Block ____ Unit ____ Phase ____

Driving Directions from a Major Road From 247S take Left on 25th Rd go .9 miles to SW Carpenter Rd, go .5 mile turn right on Hartford Rd - go .5 miles turn Left on Daisy Rd then .3 miles on Right look For Stake

Construction of 2x6 Frame ____ Commercial OR ✓ Residential

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

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

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

Actual Distance of Structure from Property Lines - Front 295' Side 158' Side 98' Rear 373'

Number of Stories 1 Heated Floor Area 1514 Total Floor Area 1649 Acreage 4.93

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

LH- Left a V.M. on 9/9/19



+15.00 for ...

**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.

Nathan Brown — **Print Owners Name**

Nathan Brown — **Owners Signature**

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

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

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

Amanda Smea — **Contractor's Signature**

**Contractor's License Number** CRC 1329482

**Columbia County Competency Card Number** 2213

**Affirmed under penalty of perjury to by the Contractor and subscribed before me this** 22 **day of** August **20** 19.

**Personally known** ☒ **or Produced Identification**

**State of Florida Notary Signature (For the Contractor)**

SEAL — SHANNON ALCORN
MY COMMISSION # GG 211040
EXPIRES: March 10, 2022
Bonded Thru Notary Public Underwriters

## SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1908-94 JOB NAME Nathan Brown

**THIS FORM MUST BE SUBMITTED BEFORE A PERMIT WILL BE ISSUED**

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

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

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

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

| | | |
|---|---|---|
| **ELECTRICAL** ☑ CC# 765 | Print Name David Wood Signature<br>Company Name: Woods Electrical Service<br>License #: EC 13002213 Phone #: 386-623-1132 | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **MECHANICAL/ A/C** B ☑ CC# 568 | Print Name David Hall Signature<br>Company Name: David Hall's Air Conditioning<br>License #: CAC057424 Phone #: 386-867-1109 | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **PLUMBING/ GAS** ☑ CC# 1262 | Print Name Clarke Howell Signature<br>Company Name: C Howell Company<br>License #: CFC 1427912 Phone #: 386-590-4837 | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **ROOFING** ☑ CC# 4019 | Print Name Robert Ogles Signature<br>Company Name: Ogles Roofing<br>License #: CCC 1328699 Phone #: 386-590-4611 | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **SHEET METAL** ☐ CC# | Print Name Signature<br>Company Name:<br>License #: Phone #: | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **FIRE SYSTEM/ SPRINKLER** ☐ CC# | Print Name Signature<br>Company Name:<br>License#: Phone #: | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **SOLAR** ☐ CC# | Print Name Signature<br>Company Name:<br>License #: Phone #: | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |
| **STATE SPECIALTY** ☐ CC# | Print Name Signature<br>Company Name:<br>License #: Phone #: | Need ☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE |

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

# Columbia County Property Appraiser

Jeff Hampton

**2018 Tax Roll Year**
updated: 6/25/2019

Parcel: << **23-5S-15-00467-010** >>

Aerial Viewer | Pictometery | Google Maps

2019 | 2016 | 2013 | 2010 | 2007 | 2005 | Sales


## Owner & Property Info

See Deed

Result: 1 of 1

| | | | |
|---|---|---|---|
| Owner | CATO KEVIN MICHAEL<br>12253 BLACKPOOL DR<br>JACKSONVILLE, FL 32246 | | |
| Site | 376 DAISY RD, | | |
| Description* | COMM NE COR OF NE1/4 OF SE1/4, RUN W 1014.64 FT FOR POB, RUN S 700.75 FT, W 306.99 FT, N 698.97 FT, E 307 FT TO POB. ORB 745-1127-1128, 933-2386, WD 1274-2671, | | |
| Area | 4.93 AC | S/T/R | 23-5S-15 |
| Use Code** | VACANT (000000) | Tax District | 3 |

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

## Property & Assessment Values

| 2018 Certified Values | | 2019 Working Values | |
|---|---|---|---|
| Mkt Land (2) | $31,277 | Mkt Land (2) | $32,527 |
| Ag Land (0) | $0 | Ag Land (0) | $0 |
| Building (0) | $0 | Building (0) | $0 |
| XFOB (0) | $0 | XFOB (0) | $0 |
| Just | $31,277 | Just | $32,527 |
| Class | $0 | Class | $0 |
| Appraised | $31,277 | Appraised | $32,527 |
| SOH Cap [?] | $0 | SOH Cap [?] | $0 |
| Assessed | $31,277 | Assessed | $32,527 |
| Exempt | $0 | Exempt | $0 |
| Total Taxable | county:$31,277<br>city:$31,277<br>other:$31,277<br>school:$31,277 | Total Taxable | county:$32,527<br>city:$32,527<br>other:$32,527<br>school:$32,527 |

## Sales History

| Sale Date | Sale Price | Book/Page | Deed | V/I | Quality (Codes) | RCode |
|---|---|---|---|---|---|---|
| 5/16/2014 | $18,000 | 1274/2671 | WD | I | Q | 01 |
| 8/15/2001 | $13,100 | 933/2386 | CT | I | U | 01 |
| 4/30/1991 | $9,219 | 745/1127 | AG | V | Q | |

## Building Characteristics

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

## Extra Features & Out Buildings (Codes)

| Code | Desc | Year Blt | Value | Units | Dims | Condition (% Good) |
|---|---|---|---|---|---|---|
| NONE | | | | | | |

## Land Breakdown

| Land Code | Desc | Units | Adjustments | Eff Rate | Land Value |
|---|---|---|---|---|---|
| 000000 | VAC RES (MKT) | 4.930 AC | 1.00/1.00 1.00/1.00 | $5,939 | $29,277 |
| 009945 | WELL/SEPT (MKT) | 1.000 UT - (0.000 AC) | 1.00/1.00 1.00/1.00 | $3,250 | $3,250 |

Legend

Roads
- Roads
- others
- Dirt
- Interstate
- Main
- Other
- Paved
- Private

2018Aerials

SectionTownshipAndRange

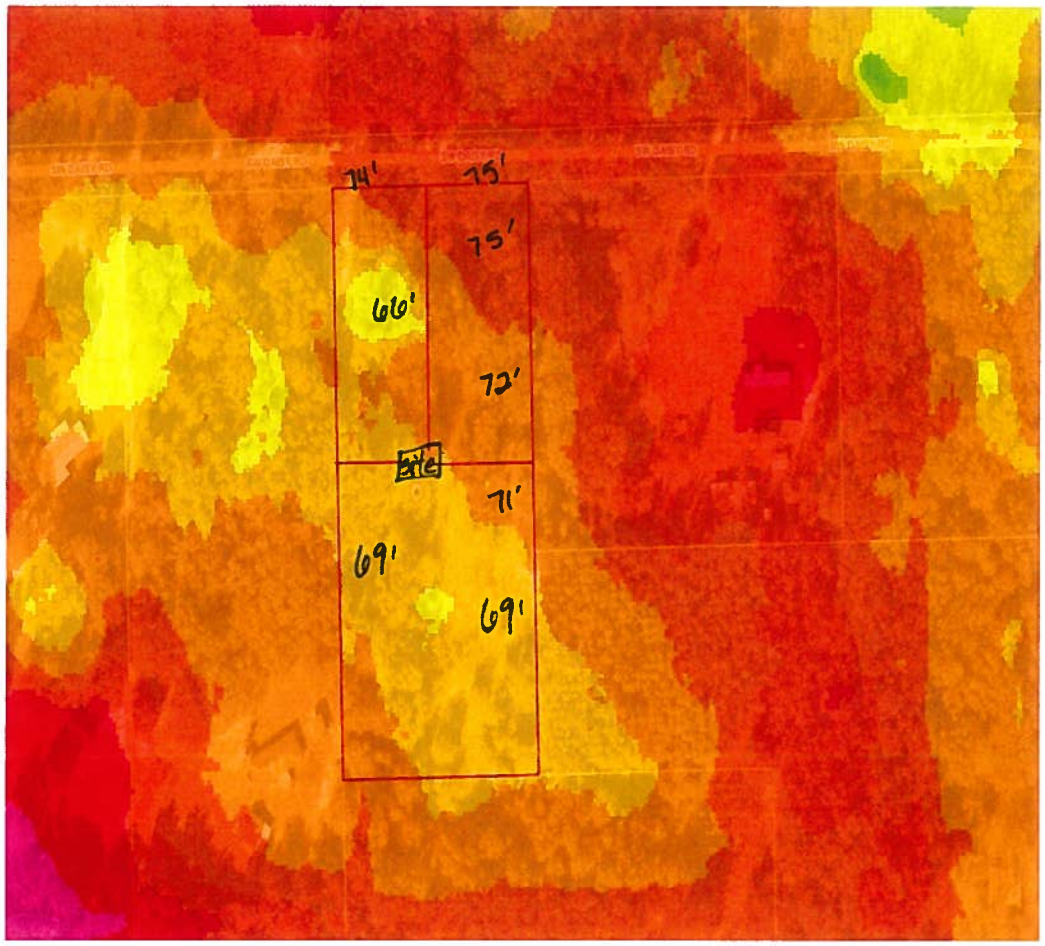
2018 Flood Zones
- 0.2 PCT ANNUAL CHANCE
- A
- AE
- AH

Parcels

LidarElevations

# Columbia County, FLA - Building & Zoning Property Map

Printed: Tue Sep 03 2019 10:43:37 GMT-0400 (Eastern Daylight Time)




## Parcel Information

Parcel No: 23-5S-15-00467-010

Owner: CATO KEVIN MICHAEL

Subdivision:

Lot:

Acres: 4.684005

Deed Acres: 4.93 Ac

District: District 2 Rocky Ford

Future Land Uses: Agriculture - 3, Environmentally Sensitive Areas -1

Flood Zones:

Official Zoning Atlas: A-3

Prepared by:
Michael B. Harrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

ATS# 1-40086

# Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 23rd day of August, 2019, By Kevin Michael Cato, hereinafter called the grantor, to Nathan L. Brown whose post office address is: 26433 61st Road, Branford, FL 32008 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, viz: Parcel ID# 23-5S-15-00467-010

**A part of the NE ¼ of SE ¼, Section 23, Township 5 South, Range 15 East, more particularly described as follows: Commence at the NE corner of said NE ¼ of the SE ¼ and run S 89°46'56" W along the North line thereof, 1014.64 feet for a Point of Beginning; thence S 0°07'36" W, 700.75 feet; thence N 89°53'12" W, 306.99 feet; thence N 0°07'36" E, 698.97 feet to a point on said North line of said NE ¼ of the SE ¼; thence N 89°46'56" E, along said North line, 307.00 feet to the Point of Beginning, Columbia County, Florida.**

**The herein described property is vacant land and does not constitute the homestead property of the Grantor.**

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 December 31, 2018.

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:**

WITNESS
Sarah J Leach
PRINTED NAME
Budlong S. Cato
WITNESS
Brittany S. Cato
PRINTED NAME

Kevin Michael Cato

STATE OF FLORIDA
COUNTY OF Duval

**The foregoing instrument was acknowledged before me this 21st day of August, 2019 by KEVIN MICHAEL CATO, personally known to me or, if not personally known to me, who produced** Florida Driver License **for identification and who did not take an oath.**

(Notary Seal)

ALEXANDER S BOURES
Notary Public - State of Florida
Commission # FF 951852
My Comm. Expires Jan 20, 2020
Bonded through National Notary Assn.

Jan 20, 2020
Notary Public/My Commission Expires

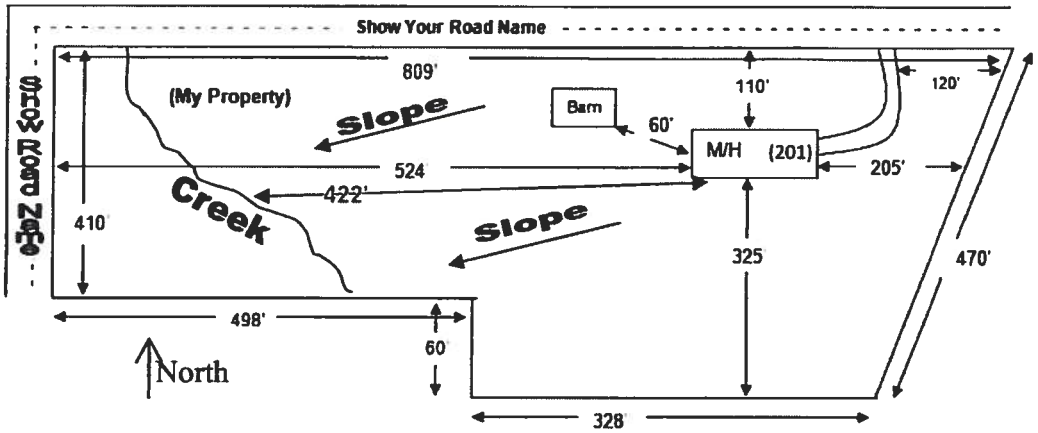
## *SITE PLAN CHECKLIST*

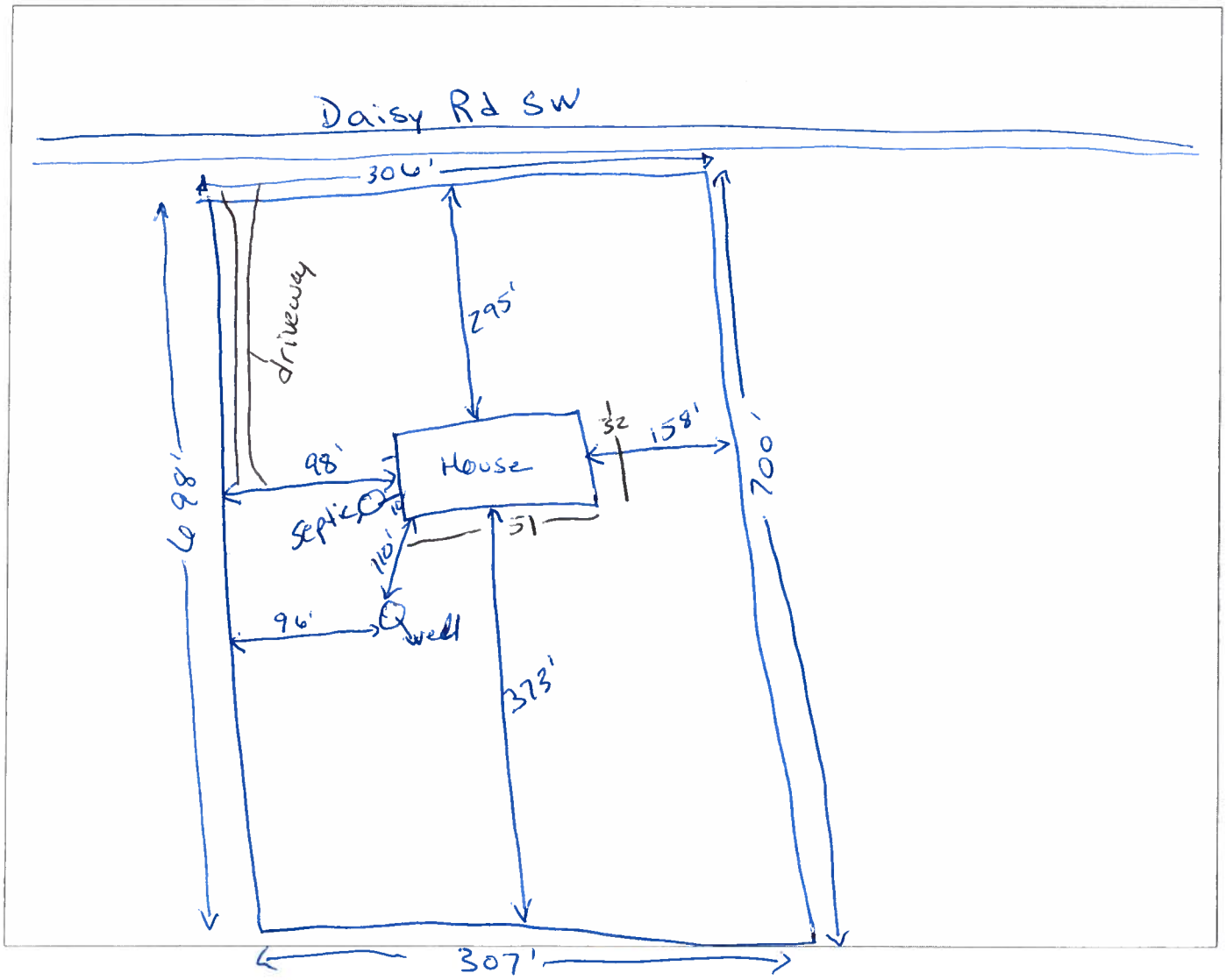
___1) Property Dimensions
___2) Footprint of proposed and existing structures (including decks), label these with existing addresses
___3) Distance from structures to all property lines
___4) Location and size of easements
___5) Driveway path and distance at the entrance to the nearest property line
___6) Location and distance from any waters; sink holes; wetlands; and etc.
___7) Show slopes and or drainage paths
___8) Arrow showing North direction

## *SITE PLAN EXAMPLE*

Revised 7/1/15

**NOTE:**
This site plan can be copied and used with the 911 Addressing Dept. application forms.



550 239904563

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

PERMIT NO. 19-0655
DATE PAID: 8/27/19
FEE PAID: 725.00
RECEIPT #: 1432464

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

APPLICANT: Senea Construction Nathan Brown

AGENT: Amanda Senea TELEPHONE: 386-249-1640

MAILING ADDRESS: 18282 69th Dr, McAlpin, FL 32062

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

PROPERTY INFORMATION

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

PROPERTY ID #: 23-5S-15-00467-010 ZONING: _____ I/M OR EQUIVALENT: [ Y / N ]

PROPERTY SIZE: 4.93 ACRES WATER SUPPLY: [ ✓ PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

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

PROPERTY ADDRESS: 374 SW Daisy Rd, Lake City, FL

DIRECTIONS TO PROPERTY: take SR 247 toward Branford For 11 miles turn Left onto 25th Rd/SW Montego, go .86 miles turn Left onto Carpenter Rd, go .5 miles Left on Daisy .28 miles on Right look For Stake

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 Single Fam | 3 | 1514 | Sin |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| | | | | |

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

SIGNATURE: Amanda Senea DATE: 8-25-19

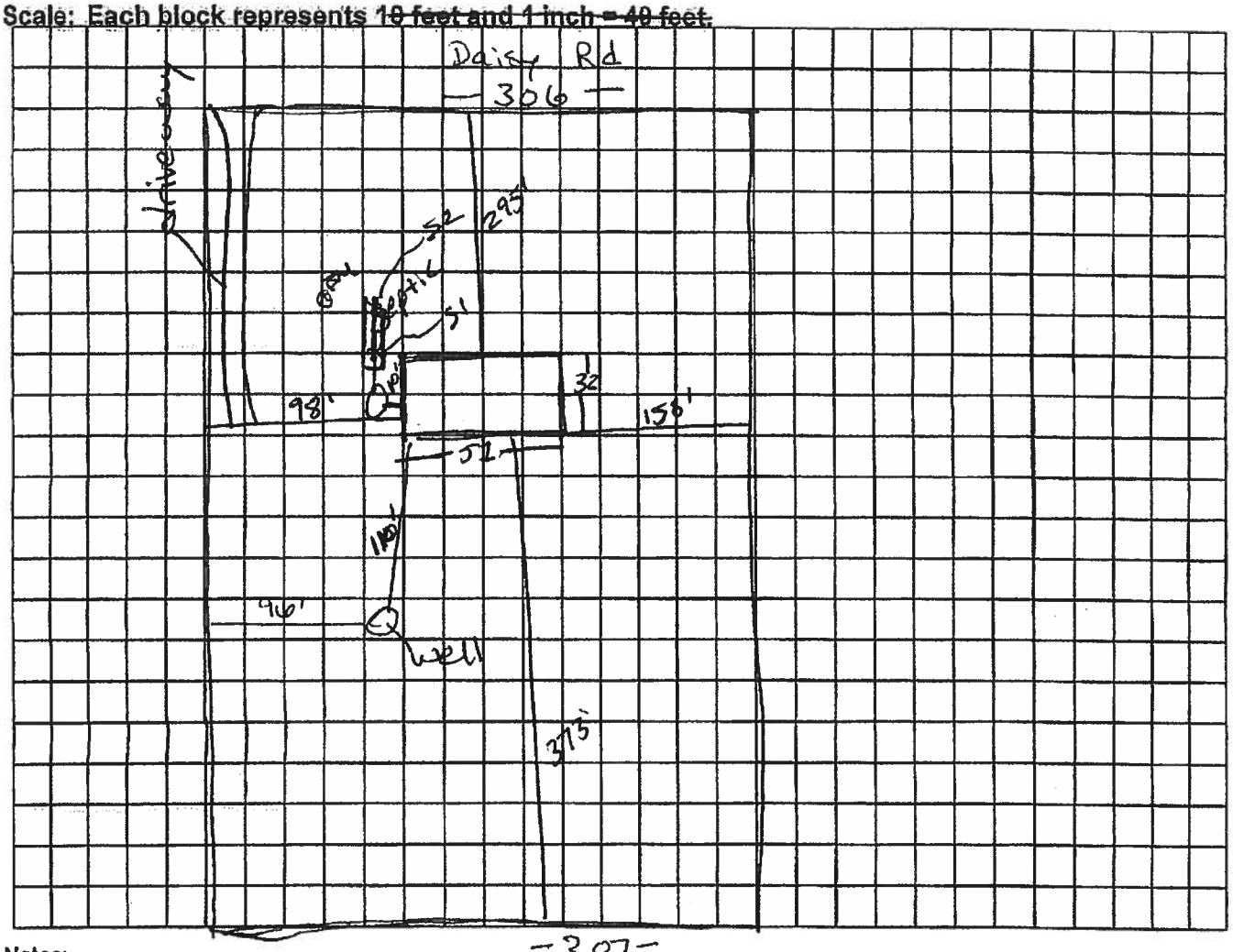
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

# STATE OF FLORIDA
# DEPARTMENT OF HEALTH
## APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0655

---------- PART II - SITEPLAN ----------

Scale: Each block represents ~~10 feet and 1 inch = 40 feet.~~




Notes: _____

Site Plan submitted by: Amanda Jones TITLE Agent DATE: 8/26/19

Plan Approved X Not Approved _____ Date 9/9/19

By _____ Columbia CHD County Health Department

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



Amanda

Lot of Record

Prepared by and Return to: REGIONAL TITLE COMPANY,
2015 SOUTH FIRST STREET
LAKE CITY, FLORIDA 32055
MARTHA J. TEDDER by:

Form 117 Florida AGREEMENT FOR DEED.

executive line

**Articles of Agreement.** *Made this* 30th *day of* April *in the year of our Lord one thousand nine hundred and* ninety-one

*Wherever used herein, the term "party" shall include the heirs, personal representatives, successors and/or assigns of the respective parties hereto; the use of the singular number shall include the plural, and the plural the singular; the use of any gender shall include all genders, and, if used, the term "note" shall include all the notes herein described if more than one*

**Between** Judy H. Zemko, a married woman *party of the first part, and*

L. Russell Britton and Viola Lee Britton, his wife *party of the second part,*
Rt. 2 Box 521, Lake City, Florida 32055

**Witnesseth,** *that if the said party of the second part shall first make the payments and perform the covenants hereinafter mentioned on his part to be made and performed, the said party of the first part hereby covenants and agrees to convey and assure to the said party of the second part, in fee simple, clear of all incumbrances whatever, by a good and sufficient deed, the lot , piece , or parcel , of ground situated in the County of* COLUMBIA *, State of Florida, known and described as follows, to-wit:*

SEE SCHEDULE "A" ATTACHED
AND MADE A PART HEREOF

DOC. STAMP 29.70
INTANGIBLE TAX 18.44
DeWITT CASON, CLERK OF COURTS, COLUMBIA COUNTY
BY R. Scippio D.C.

R-7639M

Judy H. Zemko Social Security Number [redacted]
L. Russell Britton Social Security Number [redacted]
Viola Lee Britton Social Security Number [redacted]

*and the said party of the second part hereby covenants and agrees to pay to the said party of the first part the sum of* Nine Thousand Two Hundred Nineteen and 08/100'S *** *Dollars, in the manner following*

The sum of $137.74 shall be due and payable on June 1, 1991 and a like sum of $137.74 shall be due and payable on the 1st of each month thereafter until principal and interest are paid in full. A late charge of $15.00 shall be due and payable if payments are 5 days past due. An additional $10.00 shall be due and payable each week thereafter. Late charge is due with next payment.

*with interest at the rate of* 10 *per centum, per annum payable* monthly ~~annually~~ *on the whole sum remaining from time to time unpaid; and to pay all taxes, assessments or impositions that may be legally levied or imposed upon said land subsequent to the year* 1990 *, and to keep the buildings upon said premises insured in some company satisfactory to the party of the first part in a sum not less than* N/A *Dollars during the term of this agreement. And in case of failure of the said party of the second part to make either of the payments or any part thereof, or to perform any of the covenants on his part hereby made and entered into, his contract shall, at the option of the party of the first part, be forfeited and terminated, and the party of the second part shall forfeit all payments made on this contract; and such payments shall be retained by the said party of the first part in full satisfaction and liquidation of all damages by him sustained, and said party of the first part shall have the right to re-enter and take possession of the premises aforesaid without being liable to any action therefore, and at the option of the party of the first part the unpaid balance shall without demand become due and payable, and all costs and expenses of collection of said moneys by foreclosure or otherwise, including solicitor's fees, shall be paid by the party of the second part, and the same are hereby secured.*

**It Is Mutually Agreed,** *by and between the parties hereto, that the time of payment shall be an essential part of this contract, and that all covenants and agreements herein contained shall extend to and be obligatory upon the heirs, executors, administrators and assigns of the respective parties.*

**In Witness Whereof,** *The parties to these presents have hereunto set their hands and seals the day and year first above written.*

**Signed, Sealed and Delivered in presence of:**

witness

witness

witness

witness

x Judy H. Zemko (L.S.)
Judy H. Zemko

F. Russell Britton (L.S.)
L. Russell Britton

Viola Lee Britton (L.S.)
Viola Lee Britton

Schedule "A", attached to that certain Agreement for Deed from Judy H. Zemko, as party of first part to L. Russell Britton and Viola Lee Britton, his wife, as parties of the second part.

COUNTY TAX PARCEL NUMBER 23-5S-[redacted]

BF/KW

A part of the NE¼ of the SE¼, Section 23, Township 5 South, Range 15 East, more particularly described as follows: Commence at the NE Corner of said NE¼ of the SE¼ and run S 89°46'56" W, along the North line thereof, 1014.64 feet for a POINT OF BEGINNING; thence S 0°07'36" W, 700.75 feet; thence N 89°53'12" W, 306.99 feet; thence N 0°07'36" E, 698.97 feet to a point on said North line of said NE¼ of the SE¼; thence N 89°46'56" E, along said North line, 307.00 feet to the POINT OF BEGINNING. Columbia County, Florida. Containing 4.93 acres, more or less.

Subject to: Oil, gas and mineral lease in O.R. Book 500, page 664.

Subject to: Existing county maintained road across the North side thereof.

STATE OF FLORIDA

COUNTY OF COLUMBIA

I hereby certify, that on this day personally appeared before me, an officer duly authorized to administer oaths and take acknowledgments,

L. Russell Britton and Viola Lee Britton, his wife

to me well known and known to me to be the person(s) described in and who executed the foregoing instrument; and they acknowledged before me that executed the same for the purposes therein expressed.

Witness my hand and official seal at Lake City, County of Columbia State of Florida, this 30th day of April, 1991.

My commission expires: Aug 10, 1991 Bonita Hudson, Notary Public

ARTICLES of AGREEMENT FOR DEED

TO

91-06850

FILED AND RECORDED IN PUBLIC RECORDS
1991 MAY -8 PM 2:57

Date

State of Florida
County of Volusia

I Hereby Certify, That on this day personally appeared before me, an officer duly authorized to administer oaths and take acknowledgments,
Judy H. Zemko, a married woman

to me well known and known to me to be the persons described in and who executed the foregoing agreement; and THEY acknowledged before me that THEY executed the same for the purposes therein expressed.

Witness my hand and offical seal at Edgewater
County of Volusia, and State of Florida, this
day of April 26, A.D. 1991

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES: MAY 27, 1991
BONDED THRU NOTARY PUBLIC UNDERWRITERS

My Commission Expires:

Notary Public

This Document Prepared By:
**Name: Angie Osborne**
**Title: Closer**
**First Federal Bank**
**4705 US Hwy 90 West**
**Lake City, FL 32055**

**Inst: 201912019809 Date: 08/26/2019 Time: 10:48AM**
**Page 1 of 3 B: 1392 P: 112, P.DeWitt Cason, Clerk of Court Colum County, By: BD**
**Deputy Clerk**

400816

# NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF **COLUMBIA**

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of Property: **See Exhibit A**

2. General Description of improvement: **Construction of Residential Single Family Home**

3. Owner Information:
   Name and Address: **Nathan L Brown**
   **26433 61st Rd, Branford, FL 32008**
   Interest in property: [ **X** ] Fee Simple
   Name and address of fee simple title holder (if other than Owner): [ ]

4. Contractor (name and address): **Senea Construction, Inc**
   **18282 69 Drive McAlpin, FL 32062**

5. Surety:

6. Lender **First Federal Bank**
   **4705 US Hwy 90 West**
   **Lake City, FL 32055**
   **(877) 499-0572**

7. Persons 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: [ ]

8. In addition to himself, Owner designates **First Federal Bank**, 4705 West Hwy 90/P.O. Box 2029, Lake City Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statues.

9. Expiration date of notice of commencement (the expiration date is 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 1, 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 WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OF RECORDING YOUR NOTICE OF COMMENCEMENT.

Nathan L Brown (Seal)
Borrower - **Nathan L Brown**

State of Florida
County of Suwannee

The foregoing instrument was acknowledged before me this 23 day of August, 20 19, by Nathan L. Brown,

who is personally known to me or who has produced FPD as identification.

LYNNE O. HUNTER
MY COMMISSION # GG 173576
EXPIRES: January 16, 2022
Bonded Thru Notary Public Underwriters

(Signature of person taking acknowledgment)
LYNNE O. HUNTER
(Name typed printed or stamped)
(Title or Rank)
(Serial Number if any)
My Commission expires : _____

Verification Pursuant to Section 92.525, Florida Statutes

Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Nathan L Brown AUG 23 2019
Borrower - **Nathan L Brown** Date

ATS 40086
Exhibit "A"

A part of the NE ¼ of SE ¼, Section 23, Township 5 South, Range 15 East, more particularly described as follows: Commence at the NE corner of said NE ¼ of the SE ¼ and run S 89°46'56" W along the North line thereof, 1014.64 feet for a Point of Beginning; thence S 0°07'36" W, 700.75 feet; thence N 89°53'12" W, 306.99 feet; thence N 0°07'36" E, 698.97 feet to a point on said North line of said NE ¼ of the SE ¼; thence N 89°46'56" E, along said North line, 307.00 feet to the Point of Beginning, Columbia County, Florida.

COLUMBIA COUNTY BUILDING DEPARTMENT
**RESIDENTIAL CHECK LIST**

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2017 EFFECTIVE 1 JANUARY 2018 AND THE NATIONAL ELECTRICAL 2014 EFFECTIVE 1 JANUARY 2018

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES RESIDENTIAL AND THE NATIONAL ELECTRICAL CODE. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS, FBC 1609.3.1 THRU 1609.3.3.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES**

**Revised 7/1/18**

**Website:** http://www.columbiacountyfla.com/BuildingandZoning.asp

| | **GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL** | | | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|---|---|
| | | | | **Select From Drop down** | | |
| 1 | Two (2) complete sets of plans containing the following: | | | ✓ | | |
| 2 | All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void | | | ✓ | | |
| 3 | **Condition space (Sq. Ft.)** | 1514 | **Total (Sq. Ft.) under roof** 1649 | Yes | No | NA |

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL 107.1.

## Site Plan information including:

| | | | | |
|---|---|---|---|---|
| 4 | Dimensions of lot or parcel of land | 300X | 675 | |
| 5 | Dimensions of all building set backs | - ✓ | | |
| 6 | Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements. | - ✓ | | |
| 7 | Provide a full legal description of property. | - ✓ | | |

## Wind-load Engineering Summary, calculations and any details are required.

| | **GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL** | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| 8 | **Plans or specifications must show compliance with FBCR Chapter 3** | (Yes) | No | NA |
| | | **Select From Drop down** | | |
| 9 | Basic wind speed (3-second gust), miles per hour | - | | |
| 10 | (Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated) | - | | |
| 11 | Wind importance factor and nature of occupancy | - | | |
| 12 | The applicable internal pressure coefficient, Components and Cladding | - | | |
| 13 | The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional. | - | | |

## Elevations Drawing including:

| | | | | |
|---|---|---|---|---|
| 14 | All side views of the structure | - ✓ | | |
| 15 | Roof pitch | - ✓ | | |
| 16 | Overhang dimensions and detail with attic ventilation | - ✓ | | |
| 17 | Location, size and height above roof of chimneys | - — | | |
| 18 | Location and size of skylights with Florida Product Approval | - — | | |
| 19 | Number of stories | - 1 | | |
| 20 | Building height from the established grade to the roofs highest peak | - ✓ | | |

**Floor Plan Including:**

| | | | | |
|---|---|---|---|---|
| 21 | Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies | - ✓ | | |
| 22 | Raised floor surfaces located more than 30 inches above the floor or grade | - ✓ | | |
| 23 | All exterior and interior shear walls indicated | - ✓ | | |
| 24 | Shear wall opening shown (Windows, Doors and Garage doors) | - ✓ | | |
| 25 | Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass. | ✓ - | | |
| 26 | Safety glazing of glass where needed | - ✓ | | |
| 27 | Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR) | - | | |
| 28 | Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails | - | | |
| 29 | Identify accessibility of bathroom (see FBCR SECTION 320) | - ✓ | | |

**All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans**
**(see Florida product approval form)**

| GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

**FBCR 403: Foundation Plans**

| | | Select From Drop down | | |
|---|---|---|---|---|
| 30 | Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing. | - ✓ | | |
| 31 | All posts and/or column footing including size and reinforcing | - ✓ | | |
| 32 | Any special support required by soil analysis such as piling. | - ✓ | | |
| 33 | Assumed load-bearing valve of soil Pound Per Square Foot | - | | |
| 34 | Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3 | ✓ - | | |

**FBCR 506: CONCRETE SLAB ON GRADE**

| | | | | |
|---|---|---|---|---|
| 35 | Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) | - ✓ | | |
| 36 | Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports | - ✓ | | |

**FBCR 318: PROTECTION AGAINST TERMITES**

| | | | | |
|---|---|---|---|---|
| 37 | Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides** | - ✓ | | |

**FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)**

| | | | | |
|---|---|---|---|---|
| 38 | Show all materials making up walls, wall height, and Block size, mortar type | - ✓ | | |
| 39 | Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement | - ✓ | | |

**Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect**

## Floor Framing System: First and/or second story

| | | | | |
|---|---|---|---|---|
| 40 | Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer | - ✓ | | |
| 41 | Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers | - — | | |
| 42 | Girder type, size and spacing to load bearing walls, stem wall and/or priers | - ✓ | | |
| 43 | Attachment of joist to girder | - ✓ | | |
| 44 | Wind load requirements where applicable | - ✓ | | |
| 45 | Show required under-floor crawl space | - — | | |
| 46 | Show required amount of ventilation opening for under-floor spaces | - ✓ | | |
| 47 | Show required covering of ventilation opening | - ✓ | | |
| 48 | Show the required access opening to access to under-floor spaces | - ✓ | | |
| 49 | Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing | - ✓ | | |
| 50 | Show Draftstopping, Fire caulking and Fire blocking | - ✓ | | |
| 51 | Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6 | - ✓ | | |
| 52 | Provide live and dead load rating of floor framing systems (psf). | - ✓ | | |

## FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

| | GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|---|

Select from Drop down

| | | | | |
|---|---|---|---|---|
| 53 | Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls | - ✓ | | |
| 54 | Fastener schedule for structural members per table FBC-R602.3.2 are to be shown | - ✓ | | |
| 55 | Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing | - ✓ | | |
| 56 | Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems | - ✓ | | |
| 57 | Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBC-R602.7. | - ✓ | | |
| 58 | Indicate where pressure treated wood will be placed | - ✓ | | |
| 59 | Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas | - ✓ | | |
| 60 | A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail | - ✓ | | |

## FBCR :ROOF SYSTEMS:

| | | | | |
|---|---|---|---|---|
| 61 | Truss design drawing shall meet section FBC-R 802.10. 1 Wood trusses | - ✓ | | |
| 62 | Include a layout and truss details, signed and sealed by Florida Professional Engineer | - ✓ | | |
| 63 | Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters | - ✓ | | |
| 64 | Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details | - ✓ | | |
| 65 | Provide dead load rating of trusses | - | | |

## FBCR 802:Conventional Roof Framing Layout

| | | | | |
|---|---|---|---|---|
| 66 | Rafter and ridge beams sizes, span, species and spacing | - ✓ | | |
| 67 | Connectors to wall assemblies' include assemblies' resistance to uplift rating | - ✓ | | |
| 68 | Valley framing and support details | - ✓ | | |
| 69 | Provide dead load rating of rafter system | - ✓ | | |

## FBCR 803 ROOF SHEATHING

| | | | | |
|---|---|---|---|---|
| 70 | Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness | - ✓ | | |
| 71 | Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas | - ✓ | | |

## ROOF ASSEMBLIES FRC Chapter 9

| | | | | |
|---|---|---|---|---|
| 72 | Include all materials which will make up the roof assembles covering | - ✓ | | |
| 73 | Submit Florida Product Approval numbers for each component of the roof assembles covering | - ✓ | | |

## FBCR Chapter 11 Energy Efficiency Code for Residential Building

Residential construction shall comply with this code by using the following compliance methods in the FBCR Chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

| | GENERAL REQUIREMENTS:<br>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable | | |
|---|---|---|---|---|
| | | *Select from Drop Down* | | |
| 74 | Show the insulation R value for the following areas of the structure | - ✓ | | |
| 75 | Attic space | - ✓ | | |
| 76 | Exterior wall cavity | - ✓ | | |
| 77 | Crawl space | - — | | |

## HVAC information

| | | | | |
|---|---|---|---|---|
| 78 | Submit two copies of a Manual J sizing equipment or equivalent computation study | - ✓ | | |
| 79 | Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required** | - ✓ | | |
| 80 | Show clothes dryer route and total run of exhaust duct | - ✓ | | |

## Plumbing Fixture layout shown

| | | | | |
|---|---|---|---|---|
| 81 | All fixtures waste water lines shall be shown on the foundationplan | - ✓ | | |
| 82 | Show the location of water heater | - ✓ | | |

## Private Potable Water

| | | | | |
|---|---|---|---|---|
| 83 | Pump motor horse power | - | | |
| 84 | Reservoir pressure tank gallon capacity | - | | |
| 85 | Rating of cycle stop valve if used | - | | |

## Electrical layout shown including

| | | | | |
|---|---|---|---|---|
| 86 | Show Switches, receptacles outlets, lighting fixtures and Ceiling fans | - ✓ | | |
| 87 | Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A** | - ✓ | | |
| 88 | Show the location of smoke detectors & Carbon monoxide detectors | - ✓ | | |
| 89 | Show service panel, sub-panel, location(s) and total ampere ratings | - ✓ | | |
| 90 | On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.<br><br>**For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3 | - | | |
| 91 | Appliances and HVAC equipment and disconnects | - ✓ | | |
| 92 | Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device. | - ✓ | | |

**Notice Of Commencement:**

**A notice of commencement form RECORDED in the Columbia County Clerk Office is required to be filed with the Building Department BEFORE ANY INSPECTIONS can be performed.**

| GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL | Items to Include- Each Box shall be Circled as Applicable |
|---|---|

****ITEMS 95, 96, & 98 Are Required After APPROVAL from the ZONING DEPT.****

*Select from Drop down*

| | | | | |
|---|---|---|---|---|
| 93 | **Building Permit Application** A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee. The completed application with attached documents and application fee can be mailed. | - ✓ | | |
| 94 | **Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. www.columbiacountyfla.com | - ✓ | | |
| 95 | **Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058 | - ✓ | | |
| 96 | **City of Lake City** A City Water and/or Sewer letter. Call 386-752-2031 | - — | | |
| 97 | **Toilet facilities shall be provided for all construction sites** | - ✓ | | |
| 98 | **Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit. | - — | | |
| 99 | **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations (Municode.com) | - ✓ | | |
| 100 | **CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required. | - | | |
| 101 | A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00** | - | | |
| 102 | **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)** Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required. | - ✓ | | |
| 103 | **911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125. | - ✓ | | |

**Ordinance Sec. 90-75. - Construction debris.** (e) It shall be unlawful for any person to dispose of or discard solid waste, including construction or demolition debris at any place within the county other than on an authorized disposal site or at the county's solid waste facilities. The temporary storage, not to exceed seven days of solid waste (excluding construction and demolition debris) on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance, shall not be deemed a violation of this section. The temporary storage of construction and demolition debris on the premises where generated or vegetative trash pending disposition as authorized by law or ordinance shall not be deemed in violation of this section; provided, however, such construction and demolition debris must be disposed of in accordance with this article prior to the county's issuance of a certificate of occupancy for the premises. The burning of lumber from a construction or demolition project or vegetative trash when done so with legal and proper permits from the authorized agencies and in accordance with such agencies' rules and regulations, shall not be deemed a violation of this section. No person shall bury, throw, place, or deposit, or cause to be buried, thrown, placed, or deposited, any solid waste, special waste, or debris of any kind into or on any of the public streets, road right-of-way, highways, bridges, alleys, lanes, thoroughfares, waters, canals, or vacant lots or lands within the county. No person shall bury any vegetative trash on any of the public streets, road right-of-way, highways, bridges, lanes, thoroughfares, waters, canals, or lots less than ten acres in size within the county.

**Disclosure Statement for Owner Builders:**

**If you as the Applicant will be acting as your own contractor or owner/builder under section 489.103(7) Florida Statutes, you must submit the required notarized Owner Builder Disclosure Statement form.**

****This form can be printed from the Columbia County Website on the Building and Zoning page under Documents. Web address is - http://www.columbiacountyfla.com/BuildingandZoning.asp**

**Section 105 of the Florida Building Code defines the:**

**Time limitation 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 such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.**

**Single-family residential dwelling.**

**Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.**

**Permit intent.**

**Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.**

**If work has commenced.**

**Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.**

**New Permit.**

**Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.**

**Work Shall Be:**

**Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.**

**The Fee:**

**Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.**

**Notification:**

**When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.**

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

| Category/Subcategory | Manufacturer | Product Description | Approval Number(s) |
|---|---|---|---|
| **1. EXTERIOR DOORS** | | | |
| A. SWINGING | Masonite | Exterior Vinyl Door | FL 18 |
| B. SLIDING | | | |
| C. SECTIONAL/ROLL UP | | | |
| D. OTHER | | | |
| | | | |
| **2. WINDOWS** | | | |
| A. SINGLE/DOUBLE HUNG | YKK | Vinyl Insulated Window | FL-16313.6 |
| B. HORIZONTAL SLIDER | | | |
| C. CASEMENT | | | |
| D. FIXED | | | |
| E. MULLION | | | |
| F. SKYLIGHTS | | | |
| G. OTHER | | | |
| | | | |
| **3. PANEL WALL** | | | |
| A. SIDING | Hardie | Hardie Plank | FL 1573.45 |
| B. SOFFITS | | | |
| C. STOREFRONTS | | | |
| D. GLASS BLOCK | | | |
| E. OTHER | | | |
| | | | |
| **4. ROOFING PRODUCTS** | | | |
| A. ASPHALT SHINGLES | TAMKO | 50yr Heritage | FL 673.5 |
| B. NON-STRUCT METAL | | | |
| C. ROOFING TILES | | | |
| D. SINGLE PLY ROOF | | | |
| E. OTHER | | | |
| | | | |
| **5. STRUCT COMPONENTS** | | | |
| A. WOOD CONNECTORS | | | |
| B. WOOD ANCHORS | | | |
| C. TRUSS PLATES | | | |
| D. INSULATION FORMS | | | |
| E. LINTELS | | | |
| F. OTHERS | | | |
| | | | |
| **6. NEW EXTERIOR** | | | |
| **ENVELOPE PRODUCTS** | | | |
| | | | |

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.
Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

NOTES: _____

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

RE: 0319-030 - Spec House 2

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

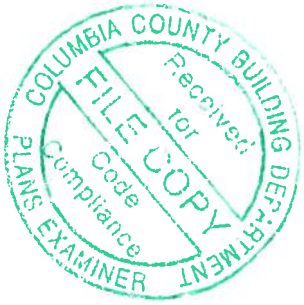
**Site Information:**
Customer Info: Senea Construction Project Name: . Model: .
Lot/Block: . Subdivision: .
Address: ., .
City: Columbia County State: FL

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

**General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):**
Design Code: FBC2017/TPI2014 Design Program: MiTek 20/20 8.2
Wind Code: ASCE 7-10 Wind Speed: 130 mph
Roof Load: 40.0 psf Floor Load: N/A psf

This package includes 6 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.

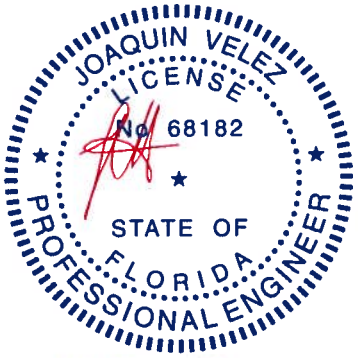
| No. | Seal# | Truss Name | Date |
|---|---|---|---|
| 1 | T17936833 | A1GE | 8/22/19 |
| 2 | T17936834 | A2 | 8/22/19 |
| 3 | T17936835 | A2A | 8/22/19 |
| 4 | T17936836 | A3 | 8/22/19 |
| 5 | T17936837 | A4GE | 8/22/19 |
| 6 | T17936838 | V01 | 8/22/19 |




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: Velez, Joaquin
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.



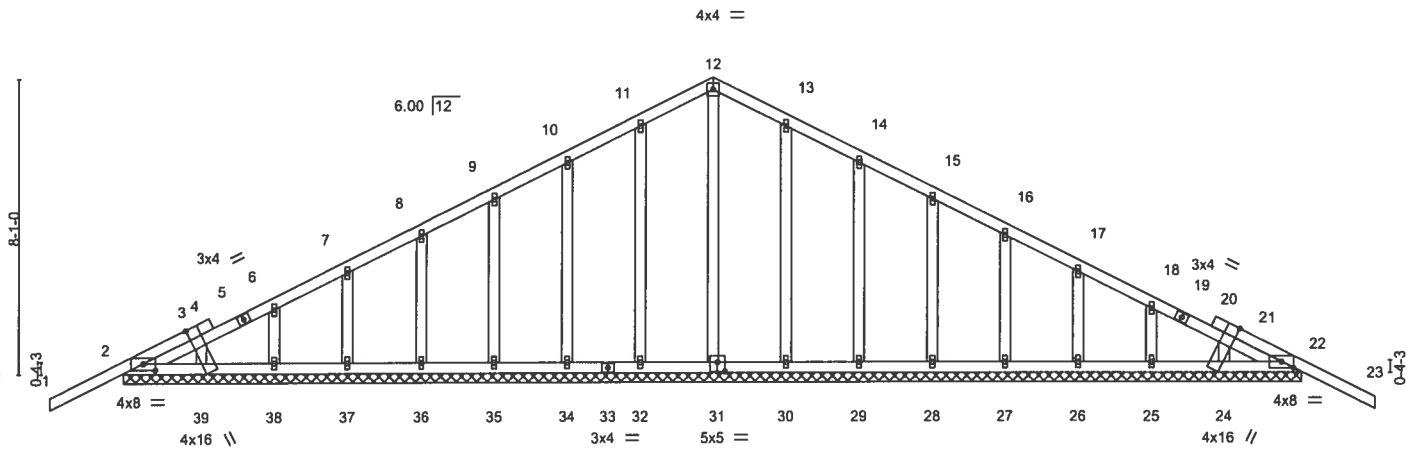

Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date: August 22,2019

| Job | Truss | Truss Type | Qty | Ply | Spec House 2 | T17936833 |
|---|---|---|---|---|---|---|
| 0319-030 | A1GE | Common Supported Gable | 1 | 1 | Job Reference (optional) | |

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 22 13:10:50 2019 Page 1
ID:jVpMHLugCTJq7R_Xd2nSNJzc_GA-Jmb1uweKUByPWn2C_dWZBNZoErO1Lf6OU4f1jbylHhJ

-2-0-0 2-0-0 | 16-1-8 16-1-8 | 32-3-0 16-1-8 | 34-3-0 2-0-0

Scale = 1:61.0




32-3-0
32-3-0

Plate Offsets (X,Y)-- [2:0-4-0,0-2-1], [3:0-0-0,0-1-15], [21:0-0-0,0-1-15], [22:0-4-0,0-2-1], [24:0-0-13,0-1-9], [24:0-3-8,Edge], [31:0-2-8,0-3-0], [39:0-3-8,Edge], [39:0-0-13,0-1-9]

| 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 | 0.26 | Vert(LL) | -0.02 | 23 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.05 | Vert(CT) | -0.03 | 23 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.16 | Horz(CT) | 0.01 | 22 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-S | | | | | | | Weight: 199 lb | FT = 0% |

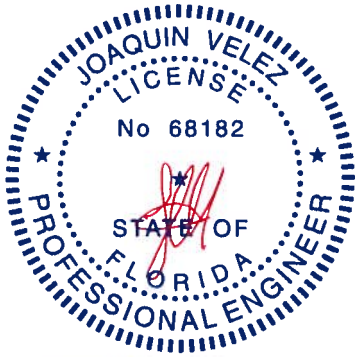
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

**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 32-3-0.
(lb) - Max Horz 2=-153(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 2, 32, 34, 35, 36, 37, 38, 30, 29, 28, 27, 26, 25, 22
Max Grav All reactions 250 lb or less at joint(s) 31, 32, 34, 35, 36, 37, 38, 39, 30, 29, 28, 27, 26, 25, 24 except 2=255(LC 1), 22=254(LC 1)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 11-12=-94/251, 12-13=-94/253

**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=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, 32, 34, 35, 36, 37, 38, 30, 29, 28, 27, 26, 25, 22.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 22.




Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 22,2019



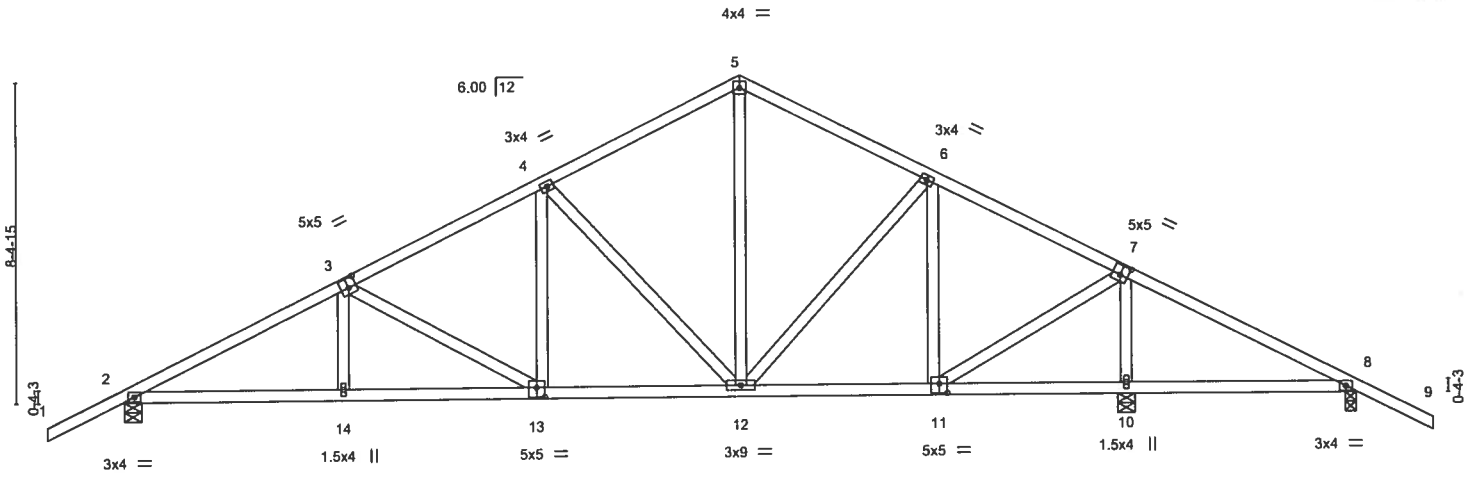
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | Spec House 2 | T17936834 |
|---|---|---|---|---|---|---|
| 0319-030 | A2 | Common | 8 | 1 | Job Reference (optional) | |

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 22 13:10:51 2019 Page 1
ID:jVpMHLugCTJq7R_Xd2nSNJzc_GA-ny9P5FfyFU4G7xdOYK1oja5wwFeQ4?SYlkPaF1ylHhI

| -2-0-0 | 5-8-13 | 10-11-3 | 16-1-8 | 21-2-2 | 26-2-12 | 32-3-0 | 34-3-0 |
|---|---|---|---|---|---|---|---|
| 2-0-0 | 5-8-13 | 5-2-5 | 5-2-5 | 5-0-10 | 5-0-10 | 6-0-4 | 2-0-0 |

Scale = 1:58.3




| 5-8-13 | 10-11-3 | 16-1-8 | 21-2-2 | 26-2-12 | 32-3-0 |
|---|---|---|---|---|---|
| 5-8-13 | 5-2-5 | 5-2-5 | 5-0-10 | 5-0-10 | 6-0-4 |

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- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.39 | Vert(LL) | -0.06 | 13-14 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.42 | Vert(CT) | -0.12 | 13-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.60 | Horz(CT) | 0.04 | 10 | 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

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

**REACTIONS.** (lb/size) 2=1120/0-5-8, 10=1556/0-5-8, 8=145/0-3-8
Max Horz 2=-159(LC 10)
Max Uplift 2=-54(LC 12), 10=-23(LC 12), 8=-124(LC 12)
Max Grav 2=1120(LC 1), 10=1556(LC 1), 8=227(LC 22)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1780/427, 3-4=-1336/389, 4-5=-866/341, 5-6=-862/341, 6-7=-708/256, 7-8=-45/510
BOT CHORD 2-14=-235/1533, 13-14=-237/1530, 12-13=-109/1125, 11-12=0/581, 10-11=-343/143, 8-10=-380/152
WEBS 3-13=-461/171, 4-13=-23/385, 4-12=-613/225, 5-12=-141/427, 6-12=0/264, 6-11=-502/152, 7-11=-125/1081, 7-10=-1412/375

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left and right exposed; porch right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10 except (jt=lb) 8=124.
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.


Joaquin Velez PE No.68182
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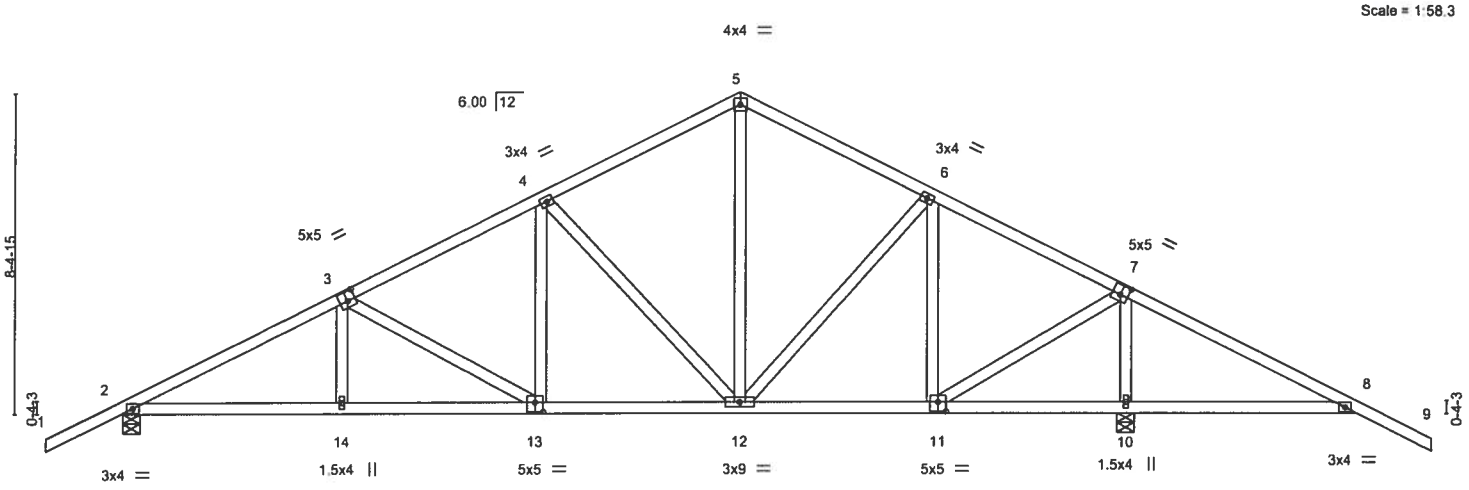
6904 Parke East Blvd. Tampa FL 33610
Date:
August 22,2019

| Job | Truss | Truss Type | Qty | Ply | Spec House 2 | T17936835 |
|---|---|---|---|---|---|---|
| 0319-030 | A2A | Common | 3 | 1 | Job Reference (optional) | |

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 22 13:10:52 2019 Page 1
ID:jVpMHLugCTJq7R_Xd2nSNJzc_GA-F8jolbfb0oC7l5Ca52Z1Goe4ce_rpSihxO88oTylHhH

| -2-0-0 | 5-8-13 | 10-11-3 | 16-1-8 | 21-2-2 | 26-2-12 | 32-3-0 | 34-3-0 |
|---|---|---|---|---|---|---|---|
| 2-0-0 | 5-8-13 | 5-2-5 | 5-2-5 | 5-0-10 | 5-0-10 | 6-0-4 | 2-0-0 |

Scale = 1:58.3




| 5-8-13 | 10-11-3 | 16-1-8 | 21-2-2 | 26-2-12 | 26-5-8 | 32-3-0 |
|---|---|---|---|---|---|---|
| 5-8-13 | 5-2-5 | 5-2-5 | 5-0-10 | 5-0-10 | 0-2-12 | 5-9-8 |

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- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.46 | Vert(LL) | -0.05 | 13 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.41 | Vert(CT) | -0.11 | 13-14 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.60 | Horz(CT) | 0.03 | 10 | 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

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

**REACTIONS.** (lb/size) 2=1086/0-5-8, 10=1734/0-5-8
Max Horz 2=159(LC 11)
Max Uplift 2=-38(LC 12), 10=-60(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1707/303, 3-4=-1262/281, 4-5=-792/238, 5-6=-788/238, 6-7=-564/61, 7-8=-623/828
BOT CHORD 2-14=-151/1475, 13-14=-153/1472, 12-13=-24/1070, 11-12=0/476, 10-11=-627/657, 8-10=-664/675
WEBS 3-13=-462/173, 4-13=-23/385, 4-12=-613/225, 5-12=-49/410, 6-12=-118/282, 6-11=-598/330, 7-11=-451/1258, 7-10=-1586/691

**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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 10.
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.


Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 22,2019



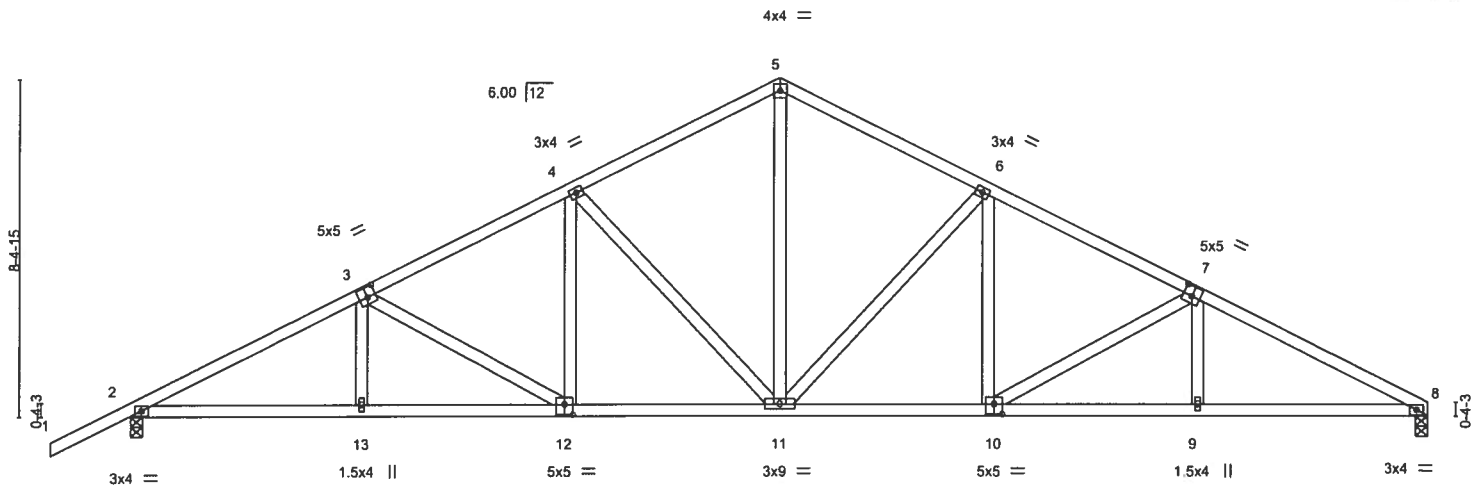
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | Spec House 2 | T17936836 |
|---|---|---|---|---|---|---|
| 0319-030 | A3 | Common | 14 | 1 | Job Reference (optional) | |

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 22 13:10:53 2019 Page 1
ID:jVpMHLugCTJq7R_Xd2nSNJzc_GA-jLGAWxgDn6K_NEnmfl4Go?BH42HBYvtqA2uhKwylHhG

| -2-0-0 | 5-8-13 | 10-11-3 | 16-1-8 | 21-3-13 | 26-6-3 | 32-3-0 |
|---|---|---|---|---|---|---|
| 2-0-0 | 5-8-13 | 5-2-5 | 5-2-5 | 5-2-5 | 5-2-5 | 5-8-13 |

Scale = 1:55.4




| 5-8-13 | 10-11-3 | 16-1-8 | 21-3-13 | 26-6-3 | 32-3-0 |
|---|---|---|---|---|---|
| 5-8-13 | 5-2-5 | 5-2-5 | 5-2-5 | 5-2-5 | 5-8-13 |

Plate Offsets (X,Y)-- [3:0-2-8,0-3-0], [7:0-2-8,0-3-0], [10:0-2-8,0-3-0], [12:0-2-8,0-3-0]

| LOADING (psf) | | SPACING- | 2-0-0 | CSI. | | DEFL. | in | (loc) | l/defl | L/d | PLATES | GRIP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TCLL | 20.0 | Plate Grip DOL | 1.25 | TC | 0.35 | Vert(LL) | -0.12 | 11 | >999 | 240 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.59 | Vert(CT) | -0.25 | 10-11 | >999 | 180 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.61 | Horz(CT) | 0.10 | 8 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-AS | | | | | | | Weight: 179 lb | FT = 0% |

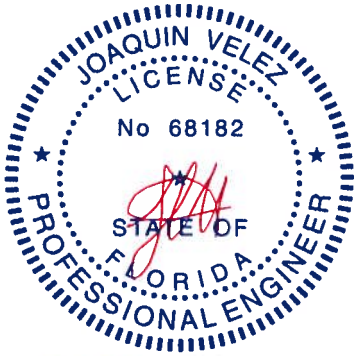
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2

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

**REACTIONS.** (lb/size) 2=1414/0-3-8, 8=1286/0-3-8
Max Horz 2=154(LC 11)
Max Uplift 2=-51(LC 12)

**FORCES.** (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-2423/567, 3-4=-1988/531, 4-5=-1521/483, 5-6=-1520/483, 6-7=-1996/536, 7-8=-2445/587
BOT CHORD 2-13=-427/2107, 12-13=-429/2104, 11-12=-284/1708, 10-11=-287/1714, 9-10=-450/2141, 8-9=-448/2144
WEBS 5-11=-267/993, 6-11=-618/230, 6-10=-31/386, 7-10=-489/188, 4-11=-610/225, 4-12=-23/382, 3-12=-454/168

**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) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 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.




Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 22,2019



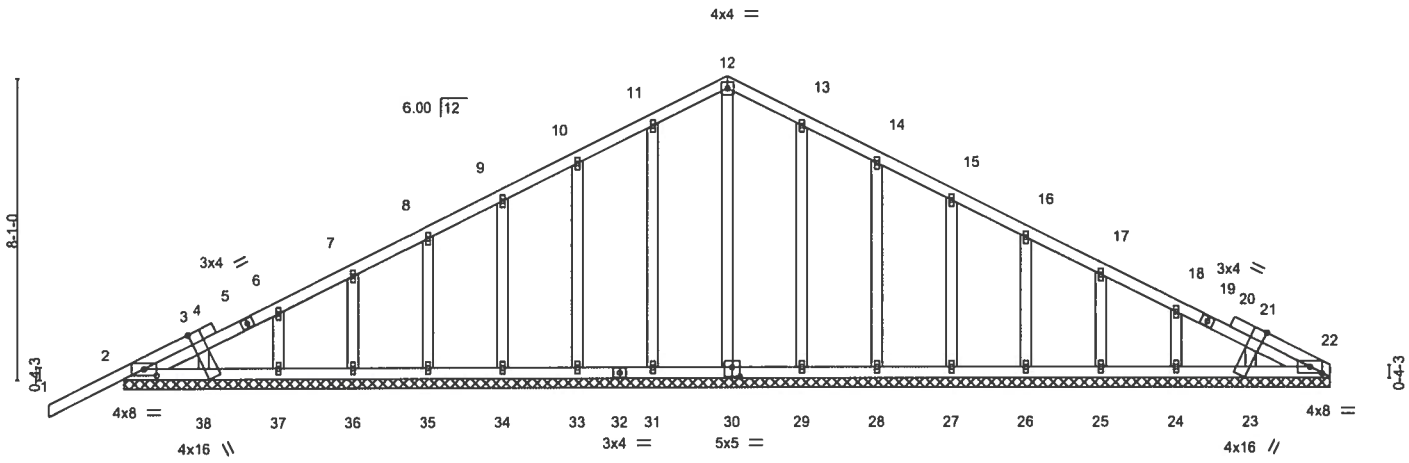
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | Spec House 2 | T17936837 |
|---|---|---|---|---|---|---|
| 0319-030 | A4GE | Common Supported Gable | 1 | 1 | Job Reference (optional) | |

Mayo Truss Company, Inc., Mayo, FL - 32066, 8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 22 13:10:54 2019 Page 1
ID:jVpMHLugCTJq7R_Xd2nSNJzc_GA-BXqYJHhrYPSr_OMzDTbVLDjTESl4HTT_PIdEsMylHhF

-2-0-0 2-0-0 | 16-1-8 16-1-8 | 32-3-0 16-1-8

Scale = 1:59.6




32-3-0
32-3-0

Plate Offsets (X,Y)– [2:0-4-0,0-2-1], [3:0-0-0,0-1-15], [21:0-0-0,0-1-15], [22:0-4-0,0-2-1], [23:0-0-13,0-1-9], [23:0-3-8,Edge], [30:0-2-8,0-3-0], [38:0-3-8,Edge], [38:0-0-13,0-1-9]

| 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 | 0.26 | Vert(LL) | -0.00 | 1 | n/r | 120 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.04 | Vert(CT) | -0.01 | 1 | n/r | 120 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.14 | Horz(CT) | 0.00 | 22 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-S | | | | | | | Weight: 196 lb | FT = 0% |

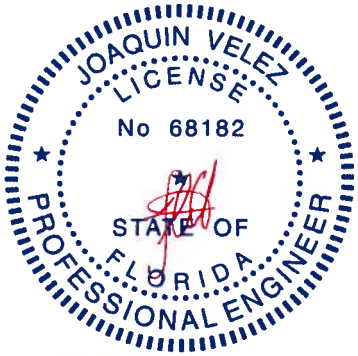
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
OTHERS 2x4 SP No.2

**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 32-3-0.
(lb) - Max Horz 2=149(LC 11)
Max Uplift All uplift 100 lb or less at joint(s) 2, 31, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23
Max Grav All reactions 250 lb or less at joint(s) 30, 31, 33, 34, 35, 36, 37, 38, 29, 28, 27, 26, 25, 24, 23, 22 except 2=256(LC 1)

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

**NOTES-**
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=32ft; 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, 31, 33, 34, 35, 36, 37, 29, 28, 27, 26, 25, 24, 23.
10) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 22.




Joaquin Velez PE No.68182
MiTek USA, Inc. FL Cert 6634
6904 Parke East Blvd. Tampa FL 33610
Date:
August 22,2019



MiTek
6904 Parke East Blvd.
Tampa, FL 36610

| Job | Truss | Truss Type | Qty | Ply | Spec House 2 | T17936838 |
|---|---|---|---|---|---|---|
| 0319-030 | V01 | GABLE | 1 | 1 | Job Reference (optional) | |

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

8.240 s Jul 14 2019 MiTek Industries, Inc. Thu Aug 22 13:10:56 2019 Page 1
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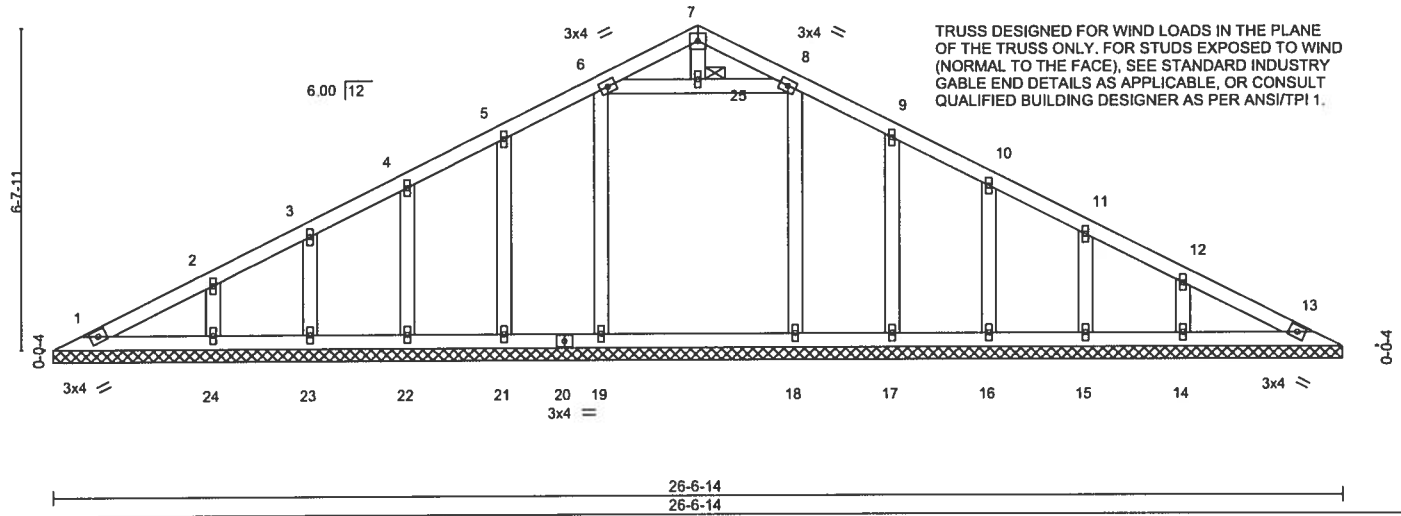
13-3-7 / 13-3-7 | 26-6-14 / 13-3-7

Scale = 1:46.0




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.

26-6-14 / 26-6-14

| 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 | 0.07 | Vert(LL) | n/a | - | n/a | 999 | MT20 | 244/190 |
| TCDL | 10.0 | Lumber DOL | 1.25 | BC | 0.14 | Vert(CT) | n/a | - | n/a | 999 | | |
| BCLL | 0.0 * | Rep Stress Incr | YES | WB | 0.08 | Horz(CT) | 0.00 | 13 | n/a | n/a | | |
| BCDL | 10.0 | Code FBC2017/TPI2014 | | Matrix-S | | | | | | | Weight: 134 lb | FT = 0% |

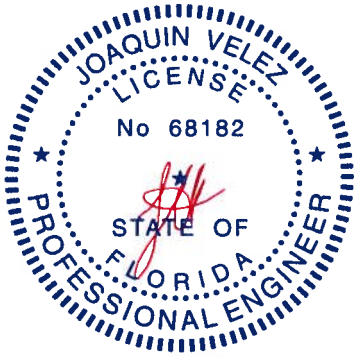
**LUMBER-**
TOP CHORD 2x4 SP No.2
BOT CHORD 2x4 SP No.2
WEBS 2x4 SP No.2
OTHERS 2x4 SP No.2

**BRACING-**
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 25

**REACTIONS.** All bearings 26-6-14.
(lb) - Max Horz 1=-107(LC 10)
Max Uplift All uplift 100 lb or less at joint(s) 21, 22, 23, 24, 17, 16, 15, 14
Max Grav All reactions 250 lb or less at joint(s) 1, 13, 21, 22, 23, 24, 17, 16, 15, 14 except 19=318(LC 17), 18=302(LC 18)

**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=26ft; 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) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 21, 22, 23, 24, 17, 16, 15, 14.




Joaquin Velez PE No.68182
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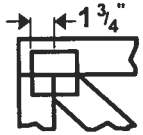
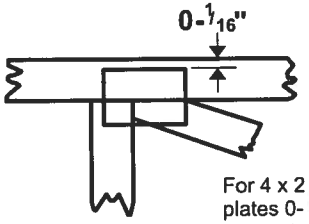
# Symbols

## PLATE LOCATION AND ORIENTATION




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




For 4 x 2 orientation, locate plates 0- 1/16" from outside edge of truss.

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

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

## PLATE SIZE

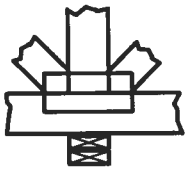
4 x 4

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

## LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

## BEARING

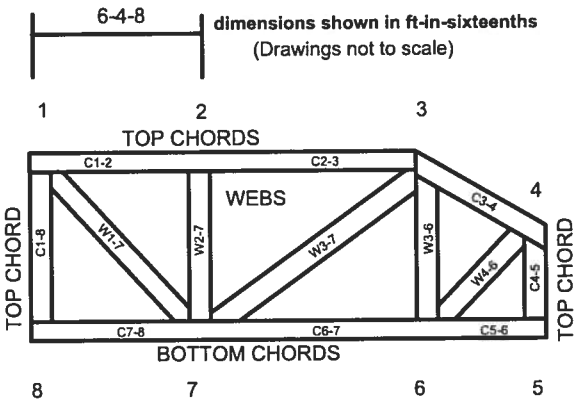


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

**Industry Standards:**

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System




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

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

## PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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



MiTek

MiTek Engineering Reference Sheet: MII-7473 rev. 10/03/2015

# General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

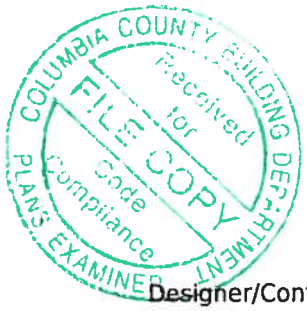
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative Tor I bracing should be considered.
3. Never exceed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

REScheck Software Version 4.6.5

# Compliance Certificate

## Project

| | |
|---|---|
| Energy Code: | **2017 Florida Building Code, Energy Conservation** |
| Location: | **Live Oak (Suwannee), Florida** |
| Construction Type: | **Single-family** |
| Project Type: | **New Construction** |
| Conditioned Floor Area: | **1,483 ft2** |
| Glazing Area | **18%** |
| Climate Zone: | **2 (1317 HDD)** |
| Permit Date: | |
| Permit Number: | |




Construction Site: Owner/Agent: Designer/Contractor:

**Compliance: Envelope passes UA trade-off. Additional mandatory requirements apply. Complete the REScheck inspection**

Compliance: **22.4% Better Than Code** Maximum UA: **429** Your UA: **333** Maximum SHGC: **0.25** Your SHGC: **0.24**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

## Envelope Assemblies

| Assembly | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | U-Factor | UA |
|---|---|---|---|---|---|
| North Wall: Wood Frame, 16" o.c. | 295 | 13.0 | 0.0 | 0.082 | 18 |
| Window 1: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 2: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 3: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 4 | | | 0.490 | 2 |
| French door: Glass SHGC: 0.32 | 40 | | | 0.420 | 17 |
| West Wall: Wood Frame, 16" o.c. | 201 | 13.0 | 0.0 | 0.082 | 12 |
| Window 4: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 5: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 6: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 7: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| South Wall: Wood Frame, 16" o.c. | 331 | 13.0 | 0.0 | 0.082 | 21 |
| Window 8: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 9: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Window 10: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |

| Assembly | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | U-Factor | UA |
|---|---|---|---|---|---|
| Window 11: Vinyl/Fiberglass Frame:Double Pane SHGC: 0.22 | 15 | | | 0.490 | 7 |
| Door 1: Solid | 20 | | | 0.390 | 8 |
| East Wall: Wood Frame, 16" o.c. | 261 | 13.0 | 0.0 | 0.082 | 21 |
| Floor 1: Slab-On-Grade:Unheated Insulation depth: 3.0' | 162 | | 13.0 | 0.694 | 112 |
| Ceiling 1: Flat Ceiling or Scissor Truss | 1,483 | 30.0 | 0.0 | 0.035 | 52 |

## Mechanical Equipment

| Description | Fuel type | Efficiency |
|---|---|---|
| Air Source | | 8.5 HSPF, 16 SEER |

*Compliance Statement:* The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2017 Florida Building Code, Energy Conservation requirements in RES*check* Version 4.6.5 and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

John Pournelle - Project Manager
Name - Title

Signature

4/9/19
Date

# Inspection Checklist

Energy Code: 2017 Florida Building Code, Energy Conservation

Requirements: 55.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

| Section # & Reg.ID | Pre-Inspection/Plan Review | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 103.1, 103.2 [PR1][1] | Construction drawings and documentation demonstrate energy code compliance for the building envelope. Thermal envelope represented on construction documents. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 103.1, 103.2, 403.7, 403.8 [PR3][1] | Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the IECC Commercial Provisions. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 302.1, 403.7 [PR2][2] | Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official. | Heating: Btu/hr____<br>Cooling: Btu/hr____ | Heating: Btu/hr____<br>Cooling: Btu/hr____ | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 302.1, 403.7 [PR2][2] | Heating and cooling equipment is sized per ACCA Manual S based on loads calculated per ACCA Manual J or other methods approved by the code official. Refer to R403.7.1 for full details. | Heating: Btu/hr____<br>Cooling: Btu/hr____ | Heating: Btu/hr____<br>Cooling: Btu/hr____ | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |

**Additional Comments/Assumptions:**

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Foundation Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 303.2.1.3 [FO11][2] | A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 402.1.2 [FO1][1] | Slab edge insulation R-value. | R-____<br>☐ Unheated<br>☐ Heated | R-____<br>☐ Unheated<br>☐ Heated | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 402.1.2 [FO3][1] | Slab edge insulation depth/length. | ____ ft | ____ ft | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 403.9 [FO12][2] | Snow- and ice-melting system controls installed. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |

**Additional Comments/Assumptions:**

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Framing / Rough-In Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 303.1.3 [FR4][1] | U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 402.1.1, 402.3.1, 402.3.3, 503.1.1.1 [FR2][1] | Glazing U-factor (area-weighted average). | U-____ | U-____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 402.1.1, 402.3.2, 402.3.3 [FR3][1] | Glazing SHGC value (area-weighted average). | SHGC:____ | SHGC:____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 402.1.1, 402.3.4 [FR1][1] | Door U-factor. | U-____ | U-____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 402.4.1.1 [FR23][1] | Air barrier and thermal barrier installed per manufacturer's instructions. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 402.4.3 [FR20][1] | Fenestration that is not site built is listed and labeled as meeting AAMA /WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 402.4.5 [FR16][2] | IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.3.1 [FR12][1] | Supply and return ducts in attics insulated >= R-8 where duct is >= 3 inches in diameter and >= R-6 where < 3 inches. Supply and return ducts in other portions of the building insulated >= R-6 for diameter >= 3 inches and R-4.2 for < 3 inches in diameter. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.3.5 [FR15][3] | Building cavities are not used as ducts or plenums. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.4 [FR17][2] | HVAC piping conveying fluids above 105 ºF or chilled fluids below 55 ºF are insulated to ≥R-3. | R-____ | R-____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.4.1 [FR24][1] | Protection of insulation on HVAC piping. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.5.3 [FR18][2] | Hot water pipes are insulated to ≥R-3. | R-____ | R-____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Framing / Rough-In Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 403.5.5 [FR26]² | Storage water heaters not equipped with integral heat traps and having vertical pipe risers have heat traps installed on both the inlets and outlets. External heat traps installed per code guildlines. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.5.6.1.1 [FR27]² | Service water heating systems are equipped with automatic temperature controls. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.5.6.1.2 [FR28]² | A separate switch permits the power supplied to electric service water systems to be turned off. A separate valve permits the energy supplied to the main burner(s) of combustion types of service water heating systems to be turned off. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.5.6.2 [FR29]² | Water heating equipment meets minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions. Equipment used to provide heating functions as part of a combination system satisfies all stated requirements for the appropriate water heating category. | Table 404.2 (required Ef):____ | Table 404.2 (required Ef):____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.5.6.2.1 [FR30]² | Solar systems for domestic hot water production satisfy energy factor requirements determined from the Florida Solar Energy Center Directory of Certified Solar Systems. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.6 [FR19]² | Automatic or gravity dampers are installed on all outdoor air intakes and exhausts. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.6.2 [FR31]² | Buildings designed to operate at positive indoor pressure or have mechanical ventilation meet the following criteria: 1) Maximum air-change-hour equal minimums from ASHRAE 62, Ventilation for Acceptable Indoor Air Quality, 2) No ventilation or air-conditioning system make-up air provided from attics, crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas, and 3) Air drawn from enclosed space(s) have walls insulated >= R-11 and ceiling >= R-19, space permitting, or R-10 otherwise. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |

**Additional Comments/Assumptions:**

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Insulation Inspection | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 303.1 [IN13][2] | All installed insulation is labeled or the installed R-values provided. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 303.2 [IN4][1] | Wall insulation is installed per manufacturer's instructions. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 402.1.1, 402.2.5, 402.2.6 [IN3][1] | Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies (FR10). | R-____<br>☐ Wood<br>☐ Mass<br>☐ Steel | R-____<br>☐ Wood<br>☐ Mass<br>☐ Steel | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 402.2.14 [IN14][2] | Walls, ceilings or floors common to separate conditioned tenancies are insulated to >= R-11, space permitting. Mass common walls are insulated to >= R-6. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |

**Additional Comments/Assumptions:**

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Final Inspection Provisions | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 303.1.1.2.1, 303.2 [FI2][1] | Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft². | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 303.3 [FI18][3] | Manufacturer manuals for mechanical and water heating systems have been provided. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 401.3 [FI33][2] | An energy performance level (EPL) display card must be completed and certified by the builder before final approval of the building for occupancy. Florida law (Section 553.9085, Florida Statutes) requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. A copy of the EPL card form can be found in Appendix C of the "FBC, Energy Conservation". | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 402.1.1, 402.2.1, 402.2.2, 402.2.6 [FI1][1] | Ceiling insulation R-value. | R-____ ☐ Wood ☐ Steel | R-____ ☐ Wood ☐ Steel | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | *See the Envelope Assemblies table for values.* |
| 402.2.3 [FI22][2] | Vented attics with air permeable insulation include baffle adjacent to soffit and eave vents that extends over insulation. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 402.2.4 [FI3][1] | Attic access hatch and door insulation ≥R-value of the adjacent assembly. | R-____ | R-____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 402.4.1.2 [FI17][1] | Blower door test @ 50 Pa. <=7 ach. | ACH 50 =____ | ACH 50 =____ | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | Requirement will be met. |
| 403.1.1 [FI9][2] | Each separate heating/cooling system has a thermostat | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.1.2 [FI9][2] | Programmable thermostats installed for control of primary heating and cooling systems and initially set by manufacturer to code specifications. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.1.3 [FI10][2] | Heat pump thermostat installed on heat pumps. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |
| 403.2 [FI26][2] | Hot water boilers supplying heat through one- or two-pipe heating systems have outdoor setback control to lower boiler water temperature based on outdoor temperature. | | | ☐Complies ☐Does Not ☐Not Observable ☐Not Applicable | |

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Final Inspection Provisions | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 403.3.2, 403.3.2.1 [FI24][1] | All ducts, air handlers, and filter boxes shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code. Air handler leakage designated by manufacturer at <=2% of design air flow. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 403.3.3 [FI27][1] | Ducts are pressure tested to determine air leakage with either: Rough-in test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the system including the manufacturer's air handler enclosure if installed at time of test. Postconstruction test: Total leakage measured with a pressure differential of 0.1 inch w.g. across the entire system including the manufacturer's air handler enclosure. | ____ cfm/100 $ft^2$ | ____ cfm/100 $ft^2$ | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 403.3.4, 403.3.2 [FI4][1] | Duct tightness test result of <=4 cfm/100 ft2 across the system or <=3 cfm/100 ft2 without air handler @ 25 Pa. For rough-in tests, verification may need to occur during Framing Inspection. Duct tightness verified by testing in accordance with ANSI/RESNET/ICC 380-2016 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3. | ____ cfm/100 $ft^2$ | ____ cfm/100 $ft^2$ | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | Requirement will be met. |
| 403.3.6 [FI33][2] | Air handling units are not installed in attic. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 403.5.1 [FI11][2] | Circulating service hot water systems have automatic or accessible manual controls. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 403.5.1.1 [FI28][2] | Heated water circulation systems have a circulation pump. The system return pipe is a dedicated return pipe or a cold water supply pipe. Gravity and thermos-syphon circulation systems are not present. Controls for circulating hot water system pumps start the pump with signal for hot water demand within the occupancy. Controls automatically turn off the pump when water is in circulation loop is at set-point temperature and no demand for hot water exists. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

| Section # & Req.ID | Final Inspection Provisions | Plans Verified Value | Field Verified Value | Complies? | Comments/Assumptions |
|---|---|---|---|---|---|
| 403.5.1.2 [FI29][2] | Electric heat trace systems comply with IEEE 515.1 or UL 515. Controls automatically adjust the energy input to the heat tracing to maintain the desired water temperature in the piping. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 403.5.2 [FI30][2] | Water distribution systems that have recirculation pumps that pump water from a heated water supply pipe back to the heated water source through a cold water supply pipe have a demand recirculation water system. Pumps have controls that manage operation of the pump and limit the temperature of the water entering the cold water piping to 104ºF. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 403.5.4 [FI31][2] | Drain water heat recovery units tested in accordance with CSA B55.1. Potable water-side pressure loss of drain water heat recovery units < 3 psi for individual units connected to one or two showers. Potable water-side pressure loss of drain water heat recovery units < 2 psi for individual units connected to three or more showers. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 403.6.1 [FI25][2] | All mechanical ventilation system fans not part of tested and listed HVAC equipment meet efficacy and air flow limits. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 404.1 [FI6][1] | 75% of lamps in permanent fixtures or 75% of permanent fixtures have high efficacy lamps. Does not apply to low-voltage lighting. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |
| 404.1.1 [FI23][3] | Fuel gas lighting systems have no continuous pilot light. | | | ☐Complies<br>☐Does Not<br>☐Not Observable<br>☐Not Applicable | |

**Additional Comments/Assumptions:**

| 1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3) |
|---|---|---|---|---|---|

HeatCAD® 2019

# Load Report

**Manual J8 Load Calculation**

Project #:19013

March 07, 2019

## Project Information

Project #: 19013

Name: SENEA CONSTRUCTION

Location: Live Oak, Florida , 32062

Notes:

## Manual J Load Summary

**Total Heating: 18,166 Btu/hr** **Total Sensible: 14,211 Btu/hr** **Total Latent: 3,325 Btu/hr**

### Outdoor Conditions

| | | |
|---|---|---|
| Location: | | (User Specified) Live Oak,Florida |
| Elevation: | | 69' |
| Latitude: | | 30 |
| | **Heating** | **Cooling** |
| Dry Bulb: | 29.0 °F | 94.0 °F |
| Daily Range: | | Medium |
| Wet Bulb: | | 76.0 °F |

### Indoor Conditions

| | Heating | Cooling |
|---|---|---|
| Room Temp: | 70 °F | 75 °F |
| Design Temp Diff: | 41.0 °F | 19.0 °F |
| Humidity: | 35 | 50 |
| Moisture Diff (Grains): | | 41.8 |

### Infiltration

| | |
|---|---|
| Method: | Simple |
| Stories: | 1 |
| Construction: | Average |
| Exposure Category: | Three or Four Exposures |
| Num Fireplaces: | None |
| Net Air Changes (Heat/Cool): | 0.45 / 0.23 |
| Net Flow (Heat/Cool): | 90 cfm / 46 cfm |

### Ventilation

| | | | |
|---|---|---|---|
| Num Occupants: | 5 | | |
| | **Heating** | | **Cooling** |
| Type: | Heat Recovery | Type: | Heat Recovery |
| ACH: | 0.18 | ACH: | 0.18 |
| Outside Air: | 36 cfm | Outside Air: | 36 cfm |
| Sensible Eff: | 50 % | Sensible Eff: | 50 % |

### Floorplan/Levels

| | | | |
|---|---|---|---|
| Ground Floor | 1,483 ft² | Total Heated Area: | 1,483 ft² |
| | | Total Cooled Area: | 1,483 ft² |

(1) ΔT: Difference between supply air and return air (2) Estimated air flow based on specified supply air ΔT

Length = ft Area = ft² Temperature = °F Flowrate = USGPM Air Flow = cfm Heat Loss = Btu/hr Unit Heat Loss = Btu/hr·ft² Rv = hr·ft²·°F/btu

Head Loss = ft water RH = Radiant Floor Heating BB = Baseboard FA = Forced Air OTH = Other Heating SM = Snowmelt N = Not Heated

Created Using HeatCAD 2019 (3/20/2019)
Version:19.0.0280 R (Trial)

**See end of report for important Notes and Disclaimers.**

## Constructions

### Walls

| Code | Description | U-Value | Area | Heating | Cooling |
|---|---|---|---|---|---|
| 12C-0sw | Frame Wall or Partition; Wood Framing; R-13 Insulation in 2 x 4 Stud Cavity; Stucco or Wood Siding; Plus Interior Finish | 0.091 | 1,088 | 4,058 | 2,524 |
| 12C-0sw | Frame Wall or Partition; Wood Framing; R-13 Insulation in 2 x 4 Stud Cavity; Stucco or Wood Siding; Plus Interior Finish | 0.091 | 239 | 0 | 0 |

### Doors

| Code | Description | U-Value | Area | Heating | Cooling |
|---|---|---|---|---|---|
| 11D | Wood Door with Solid Core | 0.390 | 20 | 320 | 234 |
| 11D | Wood Door with Solid Core | 0.390 | 70 | 0 | 300 |

### Floors

| Code | Description | U-Value | Area | Heating | Cooling |
|---|---|---|---|---|---|
| 22B-10p | 22B - Vertical Board Insulation Covers Slab Edge and Extends Straight Down to Three Feet Below Grade, any Floor Cover | 0.100 | 162'-8" (P) | 3,208 | 0 |

### Ceilings

| Code | Description | U-Value | Area | Heating | Cooling |
|---|---|---|---|---|---|
| 16CR-30md | FHA vented attic; With radiant barrier over ceiling or same type of air space behind an attic knee wall; R-30 Insulation; Materials: Asphalt Shingles(a), Metal(m), Tar / Gravel(x), Membrane(z); Colors: Dark(d); | 0.032 | 1,483 | 1,946 | 2,089 |

## Glazing

### Windows

| Code | Description | Exposure | U-Value | SHGC | Area | Heating | Cooling |
|---|---|---|---|---|---|---|---|
| 10Df | French Door with Double Pane Low-e Glass (e = 0.10) and Insulated Fiberglass Frame, BlindsMedium45 (50%), 1', 1' above. | N | 0.42 | 0.32 | 40 | 684 | 468 |
| 1D-rf | Double pane operable window or sliding glass door, with Reflective Glass - Insulated Fiberglass Framing, BlindsMedium45 (50%), 1', 1' above. | W | 0.49 | 0.22 | 60 | 1,205 | 1,568 |
| 1D-rf | Double pane operable window or sliding glass door, with Reflective Glass - Insulated Fiberglass Framing, BlindsMedium45 (50%), 1', 1' above. | S | 0.49 | 0.22 | 60 | 1,205 | 728 |
| 1D-rf | Double pane operable window or sliding glass door, with Reflective Glass - Insulated Fiberglass Framing, BlindsMedium45 (50%), 1', 1' above. | N | 0.49 | 0.22 | 34 | 683 | 405 |

## Internal Loads

| Description | Sensible | Latent |
|---|---|---|
| Default (1,200 Btuh) | 1,200 | 0 |
| 5 Occupants: | 1,150 | 1,000 |
| **Total** | 2,350 | 1,000 |

## Other Loads

| | |
|---|---|
| **Blower Load** | 1,706 Btu/hr |

### Load Breakdown

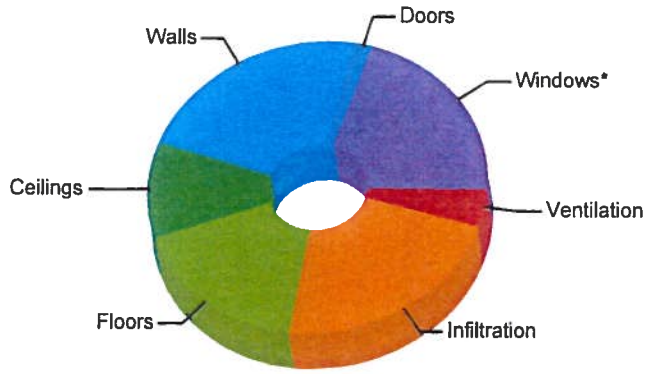
| Name | Heating | Sensible | Latent |
|---|---|---|---|
| Windows* | 3,778 | 3,170 | |
| Skylights* | 0 | 0 | |
| Doors | 320 | 534 | |
| Walls | 4,058 | 2,524 | |
| Below Grade Walls | 0 | | |
| Ceilings | 1,946 | 2,089 | |
| Floors | 3,208 | 0 | |
| Infiltration | 4,045 | 959 | 1,304 |
| Internal | | 2,350 | 1,000 |
| Other | 0 | | |
| Duct Loads | 0 | 0 | 0 |
| Ventilation | 811 | 376 | 1,021 |
| Humidification | 0 | | |
| Piping Load | 0 | | |
| Radiant Back Loss | 0 | | |
| Blower Heat | | 1,706 | |
| AED* | | 504 | |
| Total | 18,166 | 14,211 | 3,325 |
| Total Area | 1,483 ft² | 1,483 ft² | |

*Average Load Procedure

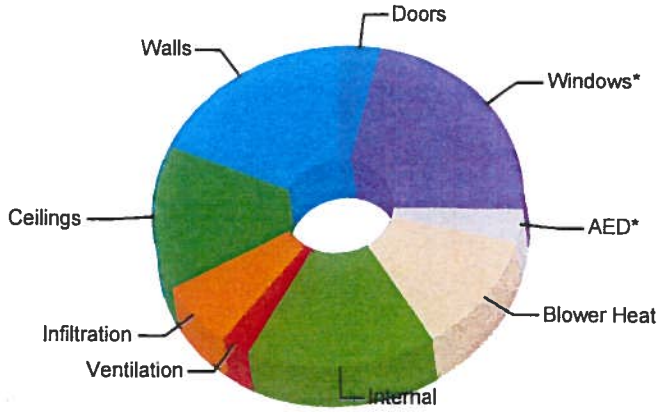
Heating ΔT¹: 70.0
Cooling ΔT¹: 20.0
Est. Heating CFM²: 226
Est. Cooling CFM²: 553

JSHR: 0.81
MJ8 Tons: 1.46
SqFt/Ton: 1015
CFM/SqFt: 0.37

### Heating Load Breakdown




### Sensible Load Breakdown



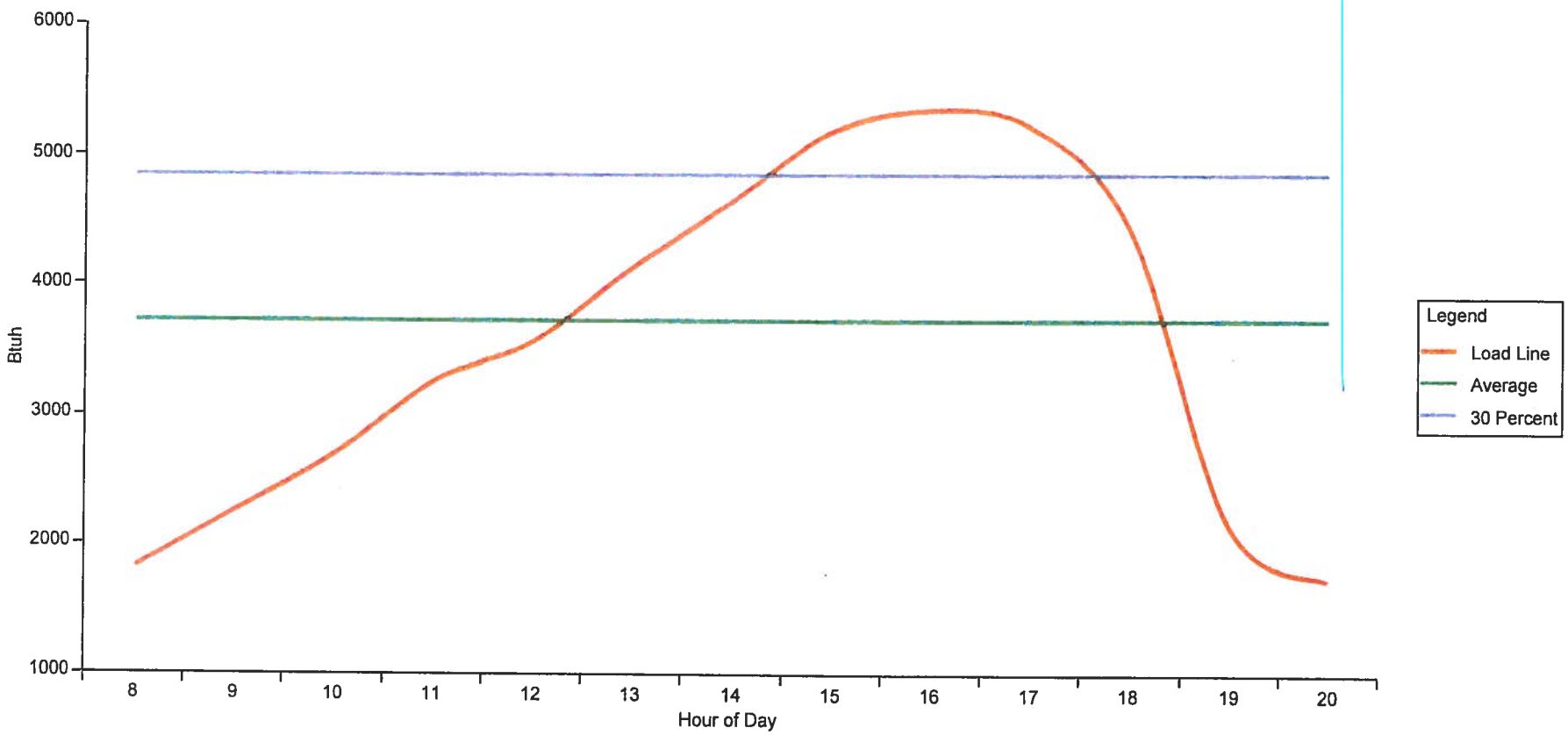

(1) ΔT: Difference between supply air and return air (2) Estimated air flow based on specified supply air ΔT
Length = ft Area = ft² Temperature = °F Flowrate = USGPM Air Flow = cfm Heat Loss = Btu/hr Unit Heat Loss = Btu/hr·ft² Rv = hr·ft²·°F/btu
Head Loss = ft water RH = Radiant Floor Heating BB = Baseboard FA = Forced Air OTH = Other Heating SM = Snowmelt N = Not Heated



**See end of report for important Notes and Disclaimers.**

## AED

**Fenestration Load vs Hour of Day - Block Load (Summer)**




Average Load: 3,728 Btu/hr
Excursion Limit: 4,846 Btu/hr

Peak Load: 5,350 Btu/hr
AED Load: 504 Btu/hr

## Heating Zones

| Zone | Area | Room Temp | Total Load |
|---|---|---|---|
| Zone 101 | 1,483 | 70 | 17,356 |

## Heating Rooms

| Room | Area | Room Temp | Total Load |
|---|---|---|---|
| BATHROOM | 56 | 70 | 74 |
| BEDROOM 2 | 183 | 70 | 2,595 |
| BEDROOM 3 | 165 | 70 | 1,820 |
| DINIDNG ROOM | 243 | 70 | 3,692 |
| HALLWAY | 100 | 70 | 131 |
| KITCHEN | 98 | 70 | 128 |
| LIVING ROOM | 271 | 70 | 4,273 |
| MASTER BATHROOM | 88 | 70 | 1,150 |
| MASTER BEDROOM | 279 | 70 | 3,493 |

## Cooling Zones

| Zone | Area | Room Temp | AED | Sensible Load |
|---|---|---|---|---|
| C1 | 1,483 | 75 | NO | 12,130 |

(Average Load Procedure)

## Cooling Rooms

| Room | Area | Room Temp | AED | Sensible Load |
|---|---|---|---|---|
| BATHROOM | 56 | 75 | YES | 312 |
| BEDROOM 2 | 183 | 75 | NO | 1,416 |
| BEDROOM 3 | 165 | 75 | NO | 1,114 |
| DINIDNG ROOM | 243 | 75 | NO | 3,020 |
| HALLWAY | 100 | 75 | YES | 370 |
| KITCHEN | 98 | 75 | YES | 293 |
| LIVING ROOM | 271 | 75 | NO | 3,256 |
| MASTER BATHROOM | 88 | 75 | YES | 621 |
| MASTER BEDROOM | 279 | 75 | YES | 1,988 |

(Average Load Procedure)

## Warnings

This application has glass areas that produced relatively large cooling loads for part of the day. Zoning may be required to overcome spikes in solar load for one or more rooms. A zoned system may be required or some rooms may require zone control (provided by individual, motorized, thermostatically controlled dampers).

The sensible load for some rooms peak during late fall or early winter. This behavior is caused by glass that faces South East, South or South West. Room temperature may be difficult to control if zoning is not provided.

### Design Locaton

| | | | |
|---|---|---|---|
| Location: | Live Oak | Altitude: | 69' ft |
| Province/State: | Florida | Latitude: | 30 |
| Country: | United States | | |
| Outdoor Heating Design Temp: | 29.0 °F | Wet Bulb Temperature: | 76.0 °F |
| Outdoor Cooling Design Temp: | 94.0 °F | Daily Range: | Medium |

MJ8Custom

## Disclaimers



Cold weather humidification, or some lifestyles that produce excessive moisture, may cause condensation to occur if the absolute humidity of the indoor air is too high for the momentary circumstances. Condensation can occur on surfaces or concealed within the structure, and can lead to mold, mildew, frost damage, and moisture damage. The software does not perform calculations for the estimation or detection of possible condensation problems, and it is the designers (i.e. software users) responsibility to do so independently if required. For guidance and additional cautions refer to ACCA Manual J 8th Edition, including Section 1-11 and Section 27.

The calculated values shown in this report are based on the data input by the user of the software. Inaccurate or erroneous data input will result in inaccurate or erroneous results. You are strongly advised to review all input data carefully, and to have the calculated results reviewed by an experienced heating professional to ensure reasonableness and suitability for your application.

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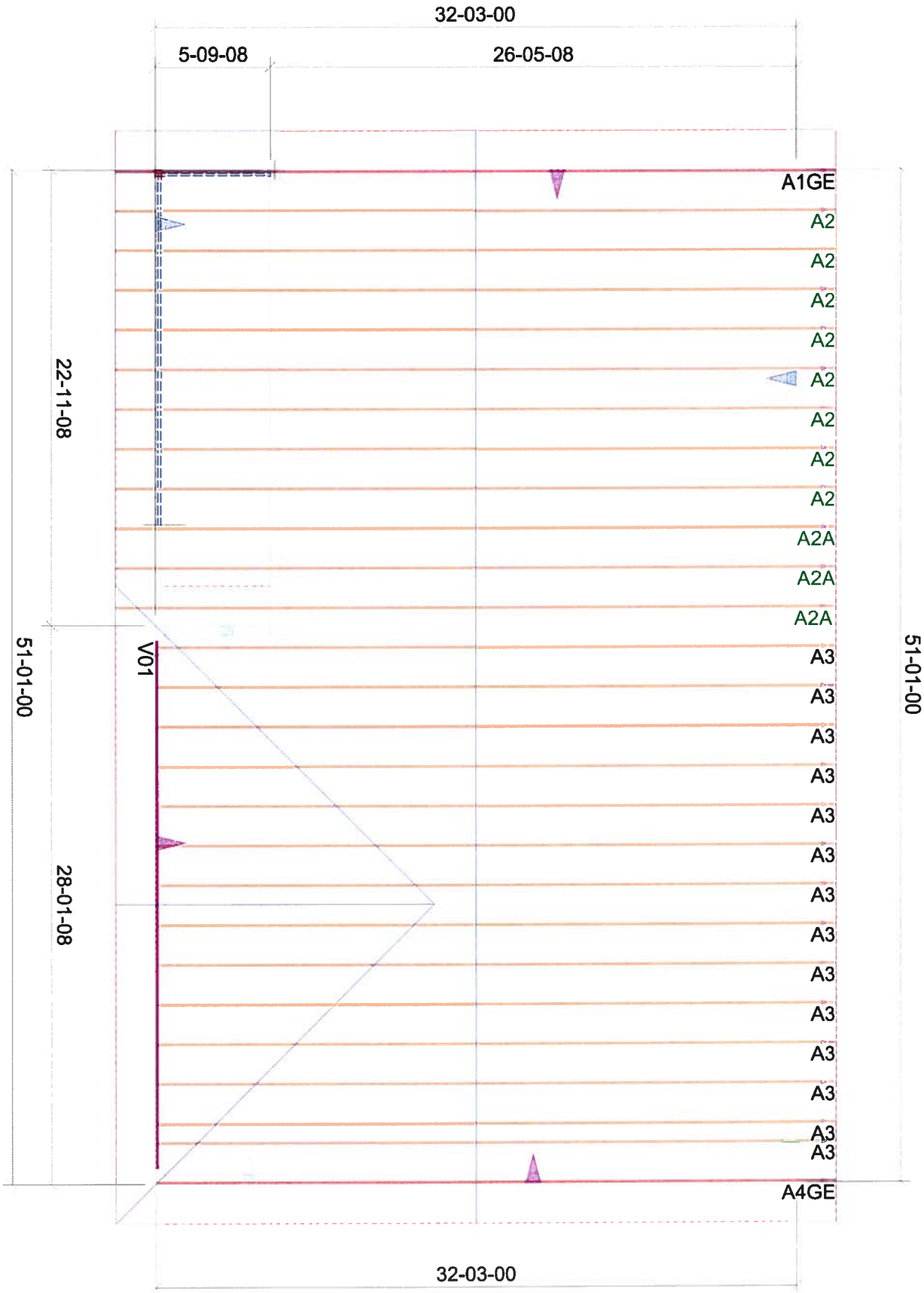


| | | | |
|---|---|---|---|
| Spec House 2 | Roof Loading<br>TC Live: 20.00 psf<br>TC Dead: 10.00 psf<br>BC Live: 0.00 psf<br>BC Dead: 10.00 psf<br>Spacing: 2.00 O.C. | Client: Senea Construction<br>Date: 8/22/2019<br>Quote Date: / /<br>Seal Date: / /<br>Designer: Jason DeGroff<br>Job Number: 0319-030 | Mayo Truss Company Inc.<br>Ph. (386) 294-3988<br>Fax (386) 294-3981<br>mayotruss@windstream.net |