DATE 10/30/2017

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000035935

APPLICANT ANNA L. ALLEN PHONE 386.418.4663

ADDRESS 3919 NW 145TH AVENUE ALACHUA FL 32615

OWNER BRIAN LAVIN & JENNIFER STECK PHONE 815.531.5252

ADDRESS 398 SW HELFIN AVENUE FT. WHITE FL 32038

CONTRACTOR WILLIAM CARL HERRING,III. PHONE 386.418.4663

LOCATION OF PROPERTY 47-S TO US 27,TL TO C-138,TL TO HEFLIN,TL ON R JUST PAST SW BAY PLACE.(SEE FLA HOMES SIGN)

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 85600.00

HEATED FLOOR AREA 1600.00 TOTAL AREA 1712.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 5'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT ____

Minimum Set Back Requirments: STREET-FRONT 50.00 REAR 50.00 SIDE 50.00

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

PARCEL ID 30-7S-17-10058-591 SUBDIVISION SANTE FE RIVER PLANT

LOT 1 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES 2.55

000002499	____	CGC052062	Applicant/Owner/Contractor
Culvert Permit No.	Culvert Waiver	Contractor's License Number	

WAIVER	17-0554	BMS	TC	____	____
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident	Time/STUP No.

COMMENTS: 1 FOOT ABOVE ROAD.(*50' SETBACKS ON ALL SIDES)

Check # or Cash 18083

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by

Foundation ____ date/app. by

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

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

Slab ____ date/app. by

Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by

Insulation ____ date/app. by

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

Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by

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

Pool ____ date/app. by

Permanent power ____ date/app. by

C.O. Final ____ date/app. by

Culvert ____ date/app. by

Pump pole ____ date/app. by

Utility Pole ____ date/app. by

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

Reconnection ____ date/app. by

RV ____ date/app. by

Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 430.00 CERTIFICATION FEE $ 8.56 SURCHARGE FEE $ 8.56

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

PLAN REVIEW FEE $ 108.00 DP & FLOOD ZONE FEE $ 25.00 CULVERT FEE $ ____ **TOTAL FEE** 630.12

INSPECTORS OFFICE ____ CLERKS OFFICE ____

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

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

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

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

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

Columbia County New Building Permit Application

For Office Use Only Application # 1710-45 Date Received 10-12-17 By LH Permit # 35935/2499

Zoning Official [signature] Date 10-27-17 Flood Zone X Land Use A Zoning A-3

FEMA Map # ______ Elevation ______ MFE 1' above River ______ Plans Examiner T.C. Date 10-26-17

Comments * 50 foot setbacks on all sides

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☒ Well letter ☒ 911 Sheet □ Parent Parcel # ______

□ Dev Permit # ______ □ In Floodway ☒ Letter of Auth. from Contractor □ F W Comp. letter

□ Owner Builder Disclosure Statement □ Land Owner Affidavit □ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

SCANNED

Septic Permit No. 17-0554 OR City Water □ Fax 386-462-7718

Applicant (Who will sign/pickup the permit) Anna L. Allen Phone 386-418-4663

Address 13919 NW 145th Avenue, Alachua, FL 32615

Owners Name Brian Lavin and Jennifer Steck Phone 815-531-5252

911 Address 398 SW Heflin Avenue, Fort White, FL 32038

Contractors Name Wm Carl Herring, III Phone 386-418-4663

Address 13919 NW 145th Avenue, Alachua, FL 32615

Contractor Email flahomes@windstream.net ***Include to get updates on this job.

Fee Simple Owner Name & Address Brian Lavin and Jennifer Steck

Bonding Co. Name & Address ______

Architect/Engineer Name & Address Frank Sapienza, Jr, 1821 SW 101 Dr, Gainesville, FL 32607, Lic #48566

Mortgage Lenders Name & Address ______

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

Property ID Number 30-7S-17-10058-591 Estimated Construction Cost $160,000

Subdivision Name Santa Fe River Plantations Lot 1 Block ____ Unit ____ Phase ____

Driving Directions from a Major Road 47 S to US 27. Turn left. Turn right on CR 138. Left on Heflin Avenue. Lot on right. Begins just past SW Bay Place. Fla Homes sign on the lot.

30' 5'

Construction of Single Family Home ______ Commercial OR X Residential

Proposed Use/Occupancy Homestead 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 108.7 Side 146.9 Side 91 Rear 88

Number of Stories 1 Heated Floor Area 1600 Total Floor Area 1712 Acreage 2.55+-

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

CK# CTW SPOKE W/ MS ANNA 10.30.17

18083

Columbia County Building Permit Application

CODE: Florida Building Code 2014 and the 2011 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.

Brian Lavin
Jennifer Steck
Print Owners Name

[signatures]
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.

[signature]
Contractor's Signature

Contractor's License Number CGC052062
Columbia County Competency Card Number 1282

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 12 **day of** October **20**17.

Personally known X **or Produced Identification** ______

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

SEAL: Notary Public State of Florida
Anna L Allen
My Commission FF 958177
Expires 02/08/2020

Lavin / Steck

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1710-45 JOB NAME Lavin/Steck

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.

		Need
ELECTRICAL ☒ CC# 811	Print Name Ryan Beville Signature Company Name: RBI Electrical Contracting, LLC. License #: EC13004236 Phone #: (352) 339-0369	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC#	Print Name Signature Company Name: License #: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☐ CC#	Print Name Signature Company Name: License #: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC#	Print Name Signature Company Name: License #: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#	Print Name Signature Company Name: License #: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#	Print Name Signature Company Name: License#: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#	Print Name Signature Company Name: License #: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#	Print Name Signature Company Name: License #: Phone #:	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

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

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		Need
ELECTRICAL ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License #: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
MECHANICAL/ A/C ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License #: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
PLUMBING/ GAS ☑ CC# 1429	Print Name DANIEL Mossburg Signature David Mossburg PMSG Company Name: Live Oak Plumbing, Inc. License #: CFC 1427438 Phone #: 386-362-1767	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
ROOFING ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License #: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SHEET METAL ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License #: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
FIRE SYSTEM/ SPRINKLER ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License#: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
SOLAR ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License #: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
STATE SPECIALTY ☐ CC#	Print Name ____ Signature ____ Company Name: ____ License #: ____ Phone #: ____	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE

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			Need
ELECTRICAL ☐	Print Name	Signature	☐ Lic ☐ Liab ☑ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
MECHANICAL/ A/C ☒	Print Name Nancy Fenton	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# 1889	Company Name: FL Home Performance		
	License #: CAC057264	Phone #: 386-454-7167	
PLUMBING/ GAS ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
ROOFING ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
SHEET METAL ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
FIRE SYSTEM/ SPRINKLER ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License#:	Phone #:	
SOLAR ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
STATE SPECIALTY ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	

Ray Watchek to Sign

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

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ELECTRICAL ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
MECHANICAL/ A/C ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
PLUMBING/ GAS ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
ROOFING ☒	Print Name Robert Ogles	Signature Robert Ogles	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC# 1019	Company Name: Ogles Roofing & Construction LLC		
	License #: CCC-1328699	Phone #: 386-364-4858	
SHEET METAL ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
FIRE SYSTEM/ SPRINKLER ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License#:	Phone #:	
SOLAR ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	
STATE SPECIALTY ☐	Print Name	Signature	☐ Lic ☐ Liab ☐ W/C ☐ EX ☐ DE
CC#	Company Name:		
	License #:	Phone #:	

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

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 3072413 2 PG(S)
7/26/2017 4:11 PM
BOOK 4533 PAGE 2162
J.K. 'JESS' IRBY
Clerk of the Court, Alachua County, Florida
ERECORDED Receipt # 783815
Doc Stamp-Mort: $0.00
Doc Stamp-Deed: $234.50
Intang. Tax: $0.00

Prepared by and Return to:
Crystal L. Curran, an employee of
Alachua Title Services, LLC,
16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File Number:17-156

BEING RERECORDED TO RECORD IN THE CORRECT COUNTY.

Warranty Deed

Made on July 24, 2017 A.D. by and between **Betsy S. Patterson and William Michael Patterson, husband and wife,** whose address is 24079 NW 188th Avenue, High Springs, Florida 32643, hereinafter called the "grantor", to **Brian Lavin and Jennifer Steck, as joint tenants with right of survivorship**, whose post office address is 20526 NW County Road 235A Alachua, Fl 32615, hereinafter called the "grantee":

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations).

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($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, to-wit:

Lot 1, A Replat of Lots 38, 45 and 46 of Santa Fe River Plantations, according to the map or plat thereof, as recorded in Plat Book 5, Page(s) 13, 13A through 13D, of the Public Records of Columbia County, Florida.

Parcel Identification Number: 30-75-17-10058-591

Subject to covenants, conditions, restrictions and easements of record.

Together with all the 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, 2016.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of these witnesses:

Crystal L. Curran
Witness Signature
Print Name: Crystal L. Curran.

Sue Reichert
Witness Signature
Print Name: Sue Reichert

Crystal L. Curran.
Witness Signature
Print Name: Crystal L. Curran.

Sue Reichert
Witness Signature
Print Name: Sue Reichert

Betsy Patterson
Betsy S. Patterson
415 NW 4TH AVE, High Springs, Florida 32643

William Michael Patterson
William Michael Patterson
415 NW 4TH AVE, High Springs, Florida 32643

State of Florida
County of Alachua

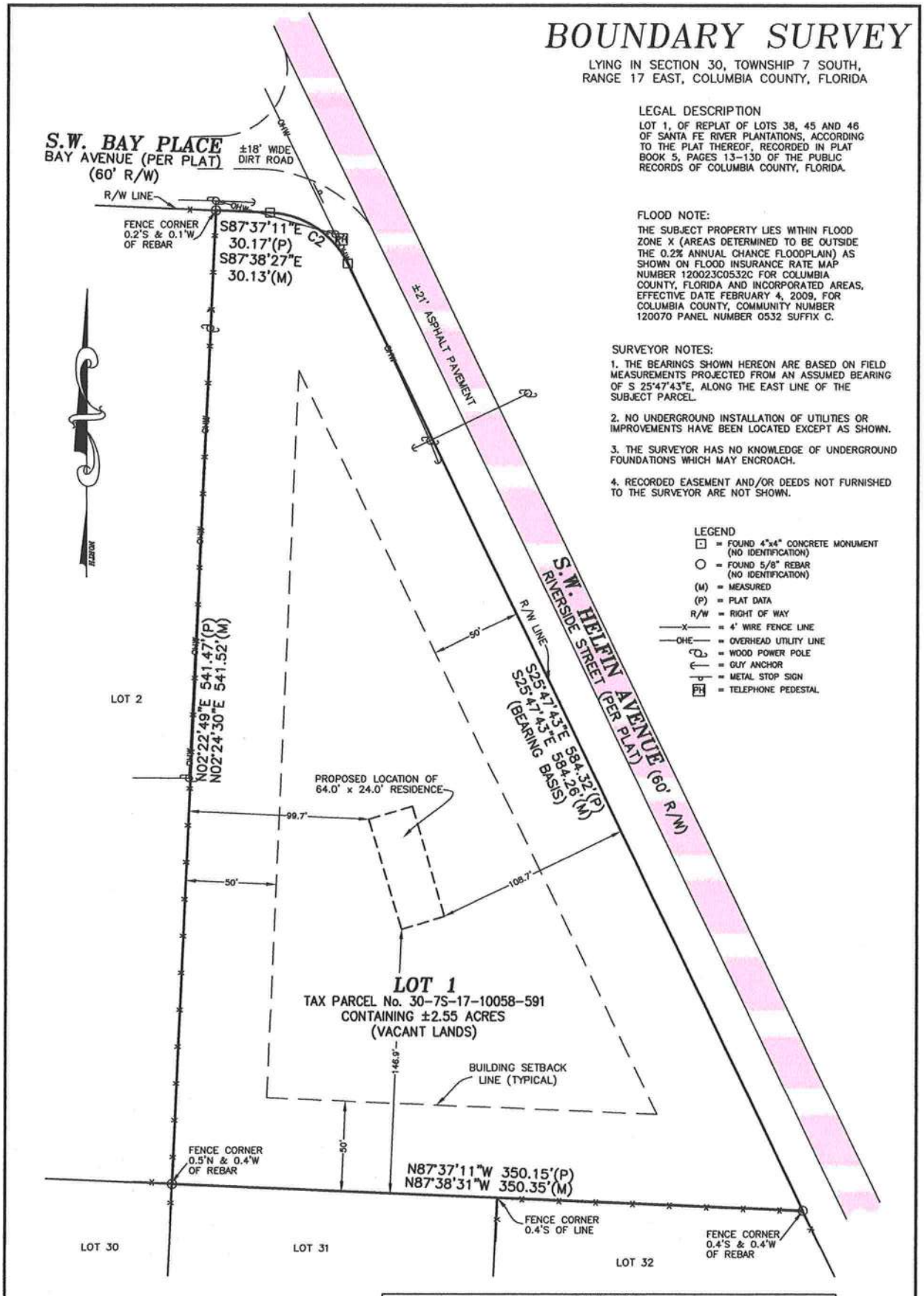
THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED before me on July 24, 2017, by Betsy S. Patterson and William Michael Patterson, who has produced a valid driver's license as identification.

Crystal L. Curran.
NOTARY PUBLIC
Crystal L. Curran
Notary Print Name
My Commission Expires: June 18, 2018.

CRYSTAL L. CURRAN
Commission # FF 128806
Expires June 18, 2018
Bonded Thru Troy Fain Insurance 800-385-7019

BOUNDARY SURVEY

LYING IN SECTION 30, TOWNSHIP 7 SOUTH,
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA



LEGAL DESCRIPTION

LOT 1, OF REPLAT OF LOTS 38, 45 AND 46 OF SANTA FE RIVER PLANTATIONS, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGES 13-13D OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

FLOOD NOTE:

THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 120023C0532C FOR COLUMBIA COUNTY, FLORIDA AND INCORPORATED AREAS, EFFECTIVE DATE FEBRUARY 4, 2009, FOR COLUMBIA COUNTY, COMMUNITY NUMBER 120070 PANEL NUMBER 0532 SUFFIX C.

SURVEYOR NOTES:

1. THE BEARINGS SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS PROJECTED FROM AN ASSUMED BEARING OF S 25°47'43"E, ALONG THE EAST LINE OF THE SUBJECT PARCEL.

2. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.

3. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.

4. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.

LEGEND

- ⊡ = FOUND 4"x4" CONCRETE MONUMENT (NO IDENTIFICATION)
- ○ = FOUND 5/8" REBAR (NO IDENTIFICATION)
- (M) = MEASURED
- (P) = PLAT DATA
- R/W = RIGHT OF WAY
- —X— = 4' WIRE FENCE LINE
- —OHE— = OVERHEAD UTILITY LINE
- = WOOD POWER POLE
- = GUY ANCHOR
- = METAL STOP SIGN
- PH = TELEPHONE PEDESTAL

GRAPHIC SCALE

50 0 50 100

(IN FEET)

1 inch = 50 ft.

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C10(P)	53.95'	50.00'	61°49'16"	29.94'	51.37'	S56°42'27"E
C10(M)	53.95'	50.00'	61°49'20"	29.94'	51.37'	S56°44'42"E

CERTIFIED TO:

BRIAN LAVIAN
JENNIFER STECK
FLA HOMES, INC. R/C
COLUMBIA BANK
ALACHUA TITLE SERVICES, LLC

LEIGH ANN FLOWERS
PROFESSIONAL SURVEYOR & MAPPER
FLA. LICENSE NO. 6802

FLOWERS SURVEYING AND MAPPING INC
207 SE CONDOR GLEN
HIGH SPRINGS, FLORIDA 32643
(386) 454-8147

FIELD BOOK: SEE FOLDER
DRAFTED: LAF
CHECKED: LAF
SURVEY DATE: 03/22/17

JOB NUMBER: 17-079

SHEET 1 OF 1

CLYATT WELL DRILLING, INC.

(Established in 1971)
Post Office Box 180
Worthington Springs, Florida 32697
*Phone (386)496-2488 *** FAX (386)496-4640*

WELL DESCRIPTION

DESCRIPTION DATE
10/12/2017

CUSTOMER NAME AND ADDRESS	*DESCRIPTION OF WORK*
Fla Homes, Inc. 13919 NW 145th Ave. Alachua, FL 32615	Well Letter For Lavin-Steck 398 SW Helfin Ave. (Neflin) Ft. White, Fl. 32038

DESCRIPTION
Feet 4" Well 1 HP Submersible Pump Feet 1-1/4" Drop Pipe Feet 14/3 Submersible Pump Wire 81 Gallon Pressure Tank 4 X 1-1/4 Well Seal Controls and Fittings Sales Tax @ 6.50%

The above description is provided to give a brief description of the water well to be constructed by Clyatt Well Drilling, Inc.

COLUMBIA COUNTY

911 ADDRESSING / GIS DEPARTMENT

263 NW Lake City Ave., Lake City, FL 32055

Telephone: (386) 758-1125 x 1 * Fax: (386) 758-1365 * Email: gis@columbiacountyfla.com

Address Assignment and Maintenance Document

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

Date/Time Issued:	**7/27/2017 4:28:00 PM**
Address:	**398 SW HEFLIN Ave**
City:	**FORT WHITE**
State:	**FL**
Zip Code	**32038**
Pracel ID	**10058-591**

REMARKS: Address for proposed structure on parcel.

Address Issued By: **Signed:/ Ronal N. Croft**

Columbia County GIS/911 Addressing Department

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

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

August 17, 2017

VIA ELECTRONIC MAIL

Anna L. Allen
Fla Homes, Inc
13919 NW 145th Ave
Alachua, Fl 32615

Re: Statement of Land Use and Zoning
Tax Parcel Number 30-7s-17-10058-591

Dear Ms. Allen,

In response to your request for a statement of land use and zoning for Tax Parcel Number 30-7s-17-10058-591, the subject property is located in the unincorporated limits of Columbia County, Florida, has an Agriculture Future Land Use Map Designation and an Agriculture-3 ("A-3") Zoning Designation.

The subject property is a legal nonconforming lot of record and is a buildable lot. If you have any additional questions, please do not hesitate to contact me via email or phone at bstubbs@columbiacountyfla.com or (386) 754-7119.

Sincerely,

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

8-21-17
Julie

SSD 233706565

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

PERMIT NO. 17-0554N
DATE PAID: 8/17/17
FEE PAID: 425.00
RECEIPT #: 1304001

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

APPLICANT: Brian Lavin and Jennifer Steck

AGENT: Fla Homes, Inc R/C TELEPHONE: 386-418-4663

MAILING ADDRESS: 13919 NW 145th Avenue, Lake City, Fl 32615

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: 1 BLOCK: _____ SUBDIVISION: Santa Fe River Plantations PLATTED: 8/19/77

PROPERTY ID #: 30-7S-17-10058-591 ZONING: Vacant I/M OR EQUIVALENT: [No]

PROPERTY SIZE: 2.55 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [No] DISTANCE TO SEWER: _____ FT

PROPERTY ADDRESS: 398 SW Heflin Avenue, Fort White, FL 32038

DIRECTIONS TO PROPERTY: See Attached

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	SFD	3	1600	
2				
3				
4				

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

SIGNATURE: A. K. Allen, agent DATE: 08-16-17

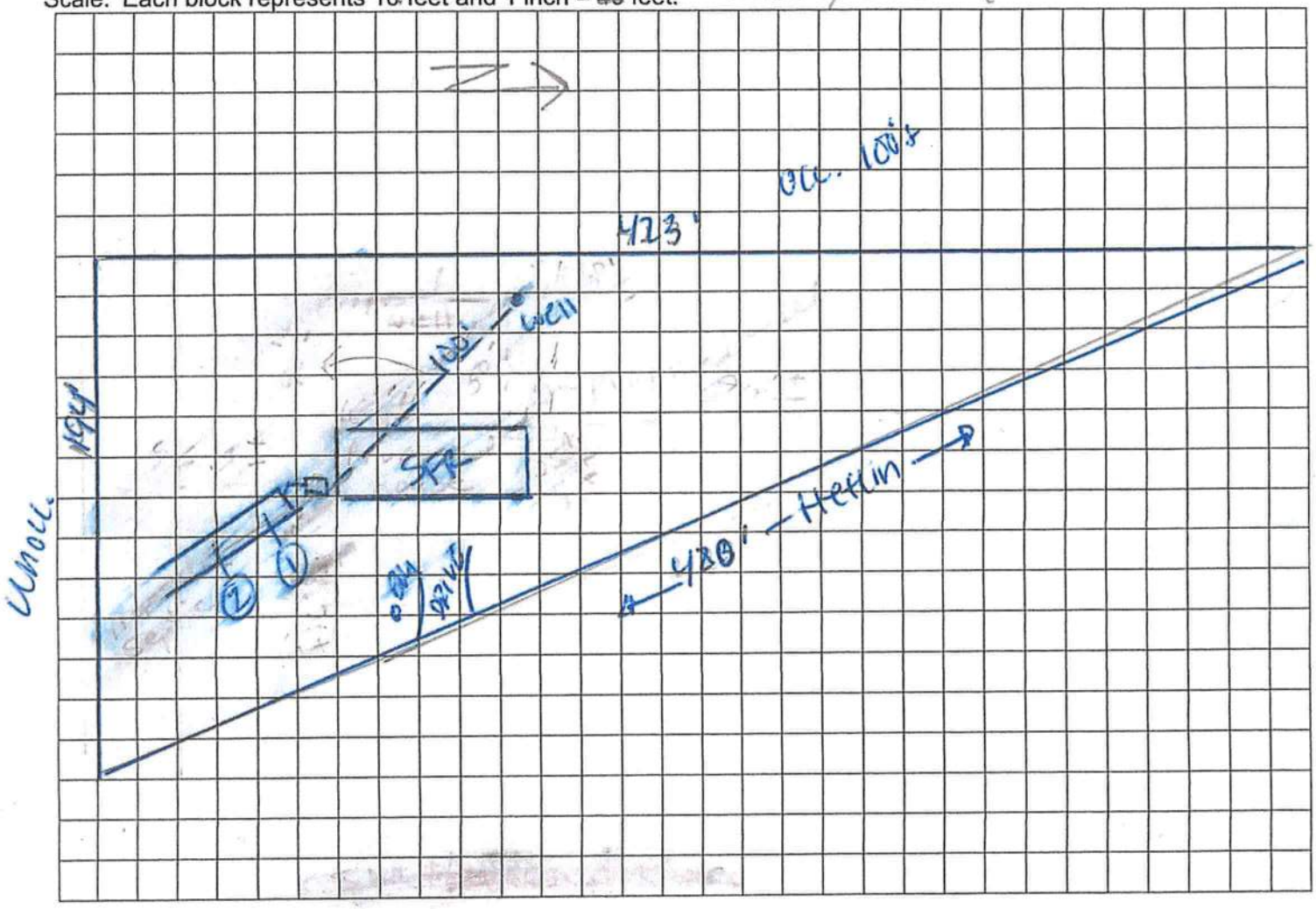
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 17-0554N

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

Scale: Each block represents ~~10~~ 15 feet and 1 inch = ~~40~~ 60 feet. Lavin/Steck



Notes: _____

Site Plan submitted by: Fla. Homes, Inc R/C Agent

Plan Approved X Not Approved ____ Date 8/25/17

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

August 17, 2017

VIA ELECTRONIC MAIL

Anna L. Allen
Fla Homes, Inc
13919 NW 145th Ave
Alachua, Fl 32615

Re: Statement of Land Use and Zoning
Tax Parcel Number 30-7s-17-10058-591

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Sincerely,

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

8-21-17
Julie

RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 3072413 2 PG(S)
7/26/2017 4:11 PM
BOOK 4533 PAGE 2162
J.K."JESS" IRBY
Clerk of the Court, Alachua County, Florida
ERECORDED Receipt # 783815
Doc Stamp-Mort: $0.00
Doc Stamp-Deed: $234.50
Intang. Tax: $0.00

Prepared by and Return to:
Crystal L. Curran, an employee of
Alachua Title Services, LLC,
16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File Number:17-156

BEING RERECORDED TO RECORD IN THE CORRECT COUNTY.

Warranty Deed

Made on July 24, 2017 A.D. by and between **Betsy S. Patterson and William Michael Patterson, husband and wife,** whose address is 24079 NW 188th Avenue, High Springs, Florida 32643, hereinafter called the "grantor", to **Brian Lavin and Jennifer Steck, as joint tenants with right of survivorship**, whose post office address is 20526 NW County Road 235A Alachua, Fl 32615, hereinafter called the "grantee":

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations).

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($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, to-wit:

Lot 1, A Replat of Lots 38, 45 and 46 of Santa Fe River Plantations, according to the map or plat thereof, as recorded in Plat Book 5, Page(s) 13, 13A through 13D, of the Public Records of Columbia County, Florida.

Parcel Identification Number: 30-75-17-10058-591

Subject to covenants, conditions, restrictions and easements of record.

Together with all the 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, 2016.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of these witnesses:

Crystal L. Curran
Witness Signature
Print Name: Crystal L. Curran

Sue Reichert
Witness Signature
Print Name: Sue Reichert

Crystal L. Curran
Witness Signature
Print Name: Crystal L. Curran

Sue Reichert
Witness Signature
Print Name: Sue Reichert

Betsy Patterson
Betsy S. Patterson
415 NW 4TH AVE, High Springs, Florida 32643

William Michael Patterson
William Michael Patterson
415 NW 4TH AVE, High Springs, Florida 32643

State of Florida
County of Alachua

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED before me on July 24, 2017, by Betsy S. Patterson and William Michael Patterson, who has produced a valid driver's license as identification.

Crystal L. Curran
NOTARY PUBLIC
Crystal L. Curran
Notary Print Name
My Commission Expires: June 18, 2018.

CRYSTAL L. CURRAN
Commission # FF 128806
Expires June 18, 2018
Bonded Thru Troy Fain Insurance 800-385-7019

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

PERMIT #: 12-SC-1784339
APPLICATION #: AP1304001
DATE PAID: 8/17/17
FEE PAID: 425.00
RECEIPT #: 3329218
DOCUMENT #: PR1073950

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: BRIAN**17-0554 LAVIN

PROPERTY ADDRESS: 398 SW HEFLIN Ave Fort White, FL 32038

LOT: 1 BLOCK: SUBDIVISION: Santa Fe River Plantation

PROPERTY ID #: 10058-591 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER] [OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [900] GALLONS / GPD Septic CAPACITY
A [ ] GALLONS / GPD N/A CAPACITY
N [ ] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [ ] GALLONS DOSING TANK CAPACITY [ ]GALLONS @[ ]DOSES PER 24 HRS #Pumps [ ]

D [375] SQUARE FEET Drainfield SYSTEM
R [ ] SQUARE FEET N/A SYSTEM
A TYPE SYSTEM: [X] STANDARD [ ] FILLED [ ] MOUND [ ]
I CONFIGURATION: [X] TRENCH [ ] BED [ ]
N
F LOCATION OF BENCHMARK: Nail with pink ribbon in Oak tree at driveway.
I ELEVATION OF PROPOSED SYSTEM SITE [36.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [66.00] [INCHES / FT] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
L
D FILL REQUIRED: [0.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

O T H E R

The system is sized for 3 bedrooms with a maximum occupancy of 6 persons (2 per bedroom), for a total estimated flow of 300 gpd.
The licensed contractor installing the system is responsible for installing the minimum category of tank in accordance with s. 64E-6.013(3)(f), FAC.

SPECIFICATIONS BY: Jeremy X Gifford TITLE: Environmental Specialist I

APPROVED BY: Jeremy X Gifford TITLE: Environmental Specialist I Columbia CHD

DATE ISSUED: 08/25/2017 EXPIRATION DATE: 02/25/2019

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)
Incorporated: 64E-6.003, FAC

v 1.1.4 AP1304001 SE1045546

Inst. Number: 201712019166 Book: 1346 Page: 789 Page 1 of 2 Date: 10/19/2017 Time: 04:17 PM
P. DeWitt Cason Clerk of Courts, Columbia County, Florida

3 5935

Prepared by and Return to:
Crystal L. Curran
Alachua Title Services, LLC
16407 N.W. 174th Drive, Suite C
Alachua, Florida 32615
386-418-8183

File No.: 17-156

NOTICE OF COMMENCEMENT

Pursuant of Section 713.13 Florida Statutes, the undersigned gives notice of the following:

Within 30 days from the recording of this Notice, Improvements generally described as **NEW HOME** will be commenced on the real property in Columbia County, Florida, legally described as:

Lot 1, A Replat of Lots 38, 45 and 46 of Santa Fe River Plantations, according to the map or plat thereof, as recorded in Plat Book 5, Page(s) 13, 13A through 13D, of the Public Records of Columbia County, Florida.

Street address, if any, of said real property: **00 Sw Heflin Ave, Fort White, Florida 32038**. This property is owned by **Brian Lavin and Jennifer Steck,** whose address is: 20526 NW County Road 235 A, Alachua, Florida 32615.

The owner's interest in the site of the improvement is fee simple.

Name and address of fee simple title holder if other than the above owner:
N/A

The name and address of the contractor(s) is (are): **FLA. HOMES INC. REALTY/ CONSTRUCTION**
13919 NW 145TH AVENUE
ALACHUA, FL 32615

The name and address of the surety on the payment bond (if any) is: N/A The amount of said bond is $N/A. N/A is designated as the person upon whom all 11 notices and other documents relating to Florida Mechanic's Lien Law shall be served. (Services upon such person shall constitute service upon the owner). Copy of Notice to Owner shall also be served on July 24, 2017.

Signed, sealed and delivered in the presence of these witnesses:

- Witness

- Witness

Brian Lavin - Borrower

Jennifer Steck - Borrower

State of Florida

County of Alachua

SWORN TO, SUBSCRIBED AND ACKNOWLEDGED before me on 18th day of OCTOBER 2017 by Brian Lavin and Jennifer Steck, who is/are personally known to me or who has/have produced a valid driver's license as identification.

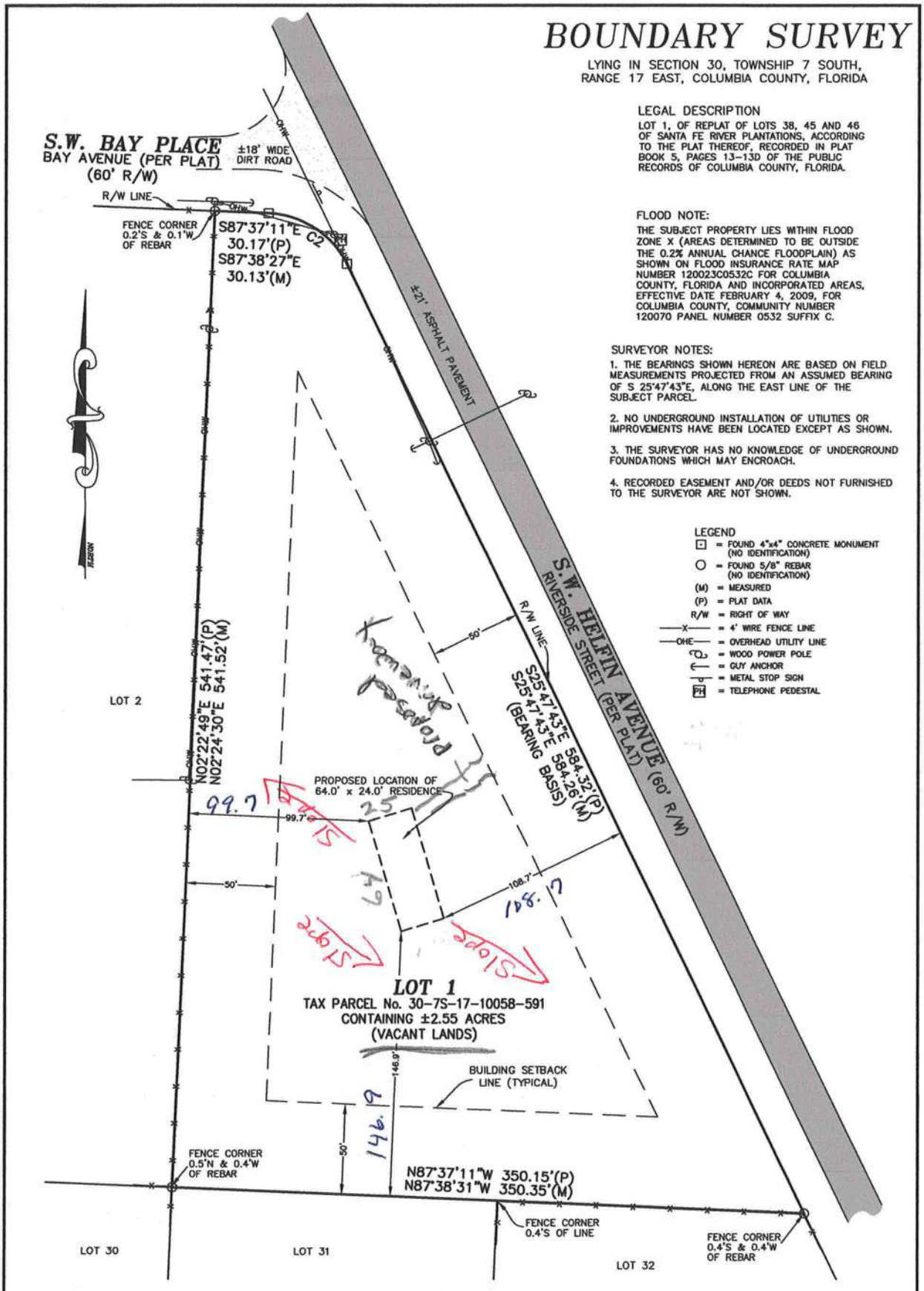
NOTARY PUBLIC

Printed Name of Notary
My Commission Expires: June 18, 2018

CRYSTAL L. CURRAN
Commission # FF 128806
Expires June 18, 2018
Bonded Thru Troy Fain Insurance 800-385-7019

BOUNDARY SURVEY

LYING IN SECTION 30, TOWNSHIP 7 SOUTH,
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA



LEGAL DESCRIPTION

LOT 1, OF REPLAT OF LOTS 38, 45 AND 46 OF SANTA FE RIVER PLANTATIONS, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 5, PAGES 13-13D OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

FLOOD NOTE:

THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 120023C0532C FOR COLUMBIA COUNTY, FLORIDA AND INCORPORATED AREAS, EFFECTIVE DATE FEBRUARY 4, 2009, FOR COLUMBIA COUNTY, COMMUNITY NUMBER 120070 PANEL NUMBER 0532 SUFFIX C.

SURVEYOR NOTES:

1. THE BEARINGS SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS PROJECTED FROM AN ASSUMED BEARING OF S 25°47'43"E, ALONG THE EAST LINE OF THE SUBJECT PARCEL.

2. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.

3. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.

4. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.

LEGEND

- ⊡ = FOUND 4"x4" CONCRETE MONUMENT (NO IDENTIFICATION)
- ○ = FOUND 5/8" REBAR (NO IDENTIFICATION)
- (M) = MEASURED
- (P) = PLAT DATA
- R/W = RIGHT OF WAY
- —X— = 4' WIRE FENCE LINE
- —OHE— = OVERHEAD UTILITY LINE
- = WOOD POWER POLE
- = GUY ANCHOR
- = METAL STOP SIGN
- PH = TELEPHONE PEDESTAL

GRAPHIC SCALE

50 0 50 100

(IN FEET)

1 inch = 50 ft.

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C10(P)	53.95'	50.00'	61°49'16"	29.94'	51.37'	S56°42'27"E
C10(M)	53.95'	50.00'	61°49'20"	29.94'	51.37'	S56°44'42"E

CERTIFIED TO:

BRIAN LAVIAN
JENNIFER STECK
FLA HOMES, INC. R/C
COLUMBIA BANK
ALACHUA TITLE SERVICES, LLC

LEIGH ANN FLOWERS
PROFESSIONAL SURVEYOR & MAPPER
FLA. LICENSE NO. 6002

FLOWERS SURVEYING AND MAPPING INC
207 SE CONDOR GLEN
HIGH SPRINGS, FLORIDA 32643
(386) 454-8147

FIELD BOOK: SEE FOLDER
DRAFTED: LAF
CHECKED: LAF
SURVEY DATE: 05/22/17

JOB NUMBER 17-078

SHEET 1 OF 1

Columbia County Building Department
Culvert Waiver

Culvert Waiver No.
000002499

DATE: 10/31/2017 BUILDING PERMIT NO. 35935

APPLICANT ANNA L. ALLEN PHONE 386.418.4663

ADDRESS 13919 NW 145TH AVENUE ALACHUA FL 32615

OWNER BRIAN LAVIN & JENNIFER STECK PHONE 815 531 5252

ADDRESS 398 SW HELFIN AVENUE FT. WHITE FL 32038

CONTRACTOR WILLIAM CARL HERRING,III. PHONE 386 418.4663

LOCATION OF PROPERTY 47-S TO US 27,TL TO C-138,TL TO HEFLIN,TL ON R JUST PAST SW BAY PLACE,(SEE FLA HOMES SIGN)

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SANTE FE RIVER PLANT 1

PARCEL ID # 30-7S-17-10058-591

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: A L Allen

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

ENTERED

X APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: David McCranie DATE: 11/8/17

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-758-1019

View Results Online:
http://www.columbiacountyfla.com/PermitSearch/CulvertSearch.aspx

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL CHECK LIST

Lavin/steck

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015 AND THE NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. 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.

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 12/2016

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
1	Two (2) complete sets of plans containing the following:	- Yes
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	- Yes
3	Condition space (Sq. Ft.) 1600 SF Total (Sq. Ft.) under roof 1712 SF	YES / NO / N/A

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 R101.2.1

Site Plan information including:

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

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 Marked as Applicable
8	**Plans or specifications must show compliance with FBCR Chapter 3**	YES / NO / N/A
		Select From the Dropbox
9	Basic wind speed (3-second gust), miles per hour	- yes
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	- yes
11	Wind importance factor and nature of occupancy	- yes
12	The applicable internal pressure coefficient, Components and Cladding	- yes
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.	- yes

Elevations Drawing including:

14	All side views of the structure	- Yes
15	Roof pitch	- Yes
16	Overhang dimensions and detail with attic ventilation	- Yes
17	Location, size and height above roof of chimneys	- NA
18	Location and size of skylights with Florida Product Approval	- NA
18	Number of stories	- 1
20A	Building height from the established grade to the roofs highest peak	- +/- 14'6"

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	- yes
21	Raised floor surfaces located more than 30 inches above the floor or grade	- NA
22	All exterior and interior shear walls indicated	- yes
23	Shear wall opening shown (Windows, Doors and Garage doors)	- yes
24	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.	- yes
25	Safety glazing of glass where needed	- yes
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)	- NA
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	- NA
28	Identify accessibility of bathroom (see FBCR SECTION 320)	- yes

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

YES / NO / N/A

FBCR 403: Foundation Plans

Select From the Dropbox

29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	- yes
30	All posts and/or column footing including size and reinforcing	- yes
31	Any special support required by soil analysis such as piling.	- NA
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	- NA
33	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	- NA

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 318: PROTECTION AGAINST TERMITES

36	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**	- yes

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

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

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

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	- NA

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

YES / NO / N/A

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Marked as Applicable
		Select From the Dropbox
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	yes
53	Fastener schedule for structural members per table IRC 602.3 are to be shown	yes
54	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	yes
55	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	yes
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)	yes
57	Indicate where pressure treated wood will be placed	yes
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	yes
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	NA

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses	yes
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	yes
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	yes
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	NA
64	Provide dead load rating of trusses	yes

FBCR 802:Conventional Roof Framing Layout

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

FBCR 803 ROOF SHEATHING

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

ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	yes
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	yes

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 chapter11 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.*

YES / NO / N/A

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable Select From the Dropbox
73	Show the insulation R value for the following areas of the structure	- YES
74	Attic space	- YES
75	Exterior wall cavity	- YES
76	Crawl space	- NA

HVAC information

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

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	- YES
81	Show the location of water heater	- YES

Private Potable Water

82	Pump motor horse power	- LHP
83	Reservoir pressure tank gallon capacity	- 81 gallon
84	Rating of cycle stop valve if used	- NA

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	- YES
86	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**	- YES
87	Show the location of smoke detectors & Carbon monoxide detectors	- YES
88	Show service panel, sub-panel, location(s) and total ampere ratings	- YES
89	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. **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	- YES
90	Appliances and HVAC equipment and disconnects	- YES
91	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.	- YES

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**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.	✓		
93	**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	✓		
94	**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.			✓
***	**BELOW ITEMS ONLY NEEDED AFTER ZONING APPROVAL HAS GIVEN.**	****	***	***
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	**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			✓
98	**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.			✓
99	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**			✓
100	**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.	✓		
101	**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.	✓		

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

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 preformed.

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code shall govern the administration and enforcement of the Florida Building Code, Residential.

Lavin/Steck

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	Plastpro	Fiberglass ext door	17347.9
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER	Plastpro	ext french doors	FI 15213.12
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MI windows	single hung vinyl 3540	FI17676
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Hardi-planks	FI13192-R4
B. SOFFITS	Kaycan	Vinyl Soffit	FI12198-R4
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Gulf Coast Supply	aluminum 5 v crimp	FI-11651-R2
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL 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.

[signature] 10-2-17

Contractor OR Agent Signature Date

NOTES: _____

Wind Load Analysis and Certification
The Santa Fe Model by Fla Homes

2014 Florida Building Code section 1609 according to ASCE 7
Ultimate Design Wind Speed (Vult) = 130 MPH (3 second gust)
Nominal Design Wind Speed (Vasd)) = 101 MPH
Risk Category = II
Exposure Category = B, Enclosed Building
Applicable Internal Pressure Coefficient = .18
Design Wind Pressure for use of External Components (Components and Cladding)= +32.1.1 psf, -45.3psf

8/1/17

Note: Other than the original submittal, this model engineering must be accompanied by an original signed and sealed letter authorizing it to be used for each location.

Roof Decking
7/16" OSB or ½", 5/8"or ¾" CDX Decking; 48"x96" Sheets, Perpendicular to Roof Framing Members
8d common (.131" dia) or 8d ring-shank (.113' dia.) nails at 4" O.C. on Ends, 8" O.C. in Interior
Trusses or Rafters at 2' O.C. (horizontal distance), No Intermediate Blocking Required
Rafters: 2x6 SYP #2 up to 10' horizontal span, 2x8 SYP #2 up to14' horizontal span

Shear Wall Segments
7/16" OSB or ½" CDX plywood, 48" Wide Sheets - Sheathing Continuous from Top Plate down to Pressure Treated Sole Plate Bearing on Foundation.
8d common (.131" dia) nails at 3" O.C. on Edges and Ends, 8" O.C. in Interior
Transverse Shearwall = 30', Longitudinal Shearwall = 30'
2x4 SPF (No. 1&2) Studs at 16" O.C., up to 12' wall height
or: 2x6 SPF (No. 1&2) Studs at 16" O.C., up to 17' wall height
See attached detail for stud and jack requirements for wall openings
Nail Together Double Top Plate 6" O.C. w/12-d Common Nails (SYP top plates)
Other Wall Segments - Same as Shear Walls

Gabled End Wall Framing
N/A

Special Notes: N/A

Footings and Foundations (Based on Truss Engineering)
20" deep x 12" wide monolithic with 2-#5's, Continuous
or: 16" Wide x 8" Deep 2500 psi Concrete Strip Footing with 2-#5's, Continuous
8"x8"x16" Concrete Masonry Stemwall, Minimum 2 Courses, Maximum 5 Courses, Fully Grouted, except sections over 3 courses need only cells with rebar to be grouted. 1-#5 Vertical Dowel at Corners and 6'-0" O.C. (10" hook top and bottom) (min 25" lap all #5 rebar) **(1) #5 continuous top course. All 4" slabs requires 6x6 WWM**
Interior footers: 16" wide by 10" deep (including 4" slab) with 2-#5's, Continuous,
Porch Footers: see above or: 8" wide by 8" deep bell footing with 1-#5, Continuous with minimum of 24"x24" x 12" pad under each post (w/ 3- #5 each way)
Note: footer design based on continuous bearing. Continuous footers (grade beams) for pier foundation systems must be designed by pier foundation subcontractor.

Hurricane-Resistance Hardware (Based on Truss Engineering)
Truss Clips/Headers/Girders/Posts/Beams /Top and Bottom of Wall Unit - See Table
Anchor Bolts- A-307 (1/2"Dia. x 10" with min 8" embedment) at 48"O.C. (First bolt at 9" from Corner, then 48" O.C.) and at each end of Each Shearwall Segment (2" round or square washers).

I hereby certify that the accompanying Wind Load Analysis for the **Santa Fe Model** demonstrates compliance with the 2014 FBC section 1609 according to ASCE 7, to the best of my knowledge.

Frank J. Sapienza Jr.
License Professional Engineer
Florida License Number 48566

HOLD-DOWN TABLE **Santa Fe Model** **8/1/2017**

Wood Sections	Uplift Force Lbs	Top Connector Simpson **	Rating Lbs	Bottom Connector Simpson **	Rating Lbs
HEADERS					
	up to 455 lbs	LSTA9	775	H3	455
	up to 910 lbs	LSTA12	970	2-H3	910
	up to 1235 lbs	LSTA18	1235	LTT19	1350
	up to 1750 lbs	2-LSTA12	1940	LTT20	1750
	up to 2470 lbs	2-LSTA18	2470	HD2A-2.5	2565
	up to 2775 lbs	3-LSTA18	3705	HD2A-3.5	2775
	up to 3705 lbs	3-LSTA18	3705	HD5A-3	3705

To determine uplift force on header at each end, total the uplifts for each truss resting on the header and divide by 2
(assumes uniform load) Note: must use proper bolt anchors sufficient to support required load

Trusses/Girders - Uplift

up to 600 lbs - use H2.5A top, no special device required at bottom
over 600 lbs but under 990 lbs use H10 top, no special device required at bottom
up to 1215 lbs use TS22 or equivalent at top and LTT19 at bottom
up to 1750 lbs use 2-TS22 or equivalent at top and LTT20 at bottom
up to 2430 lbs use 2-TS22 or equivalent at top and HD2A bottom
up to 3645 lbs use 3-TS22 or equivalent at top and HD5A bottom
Must Use proper bolt anchors

Note: it is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation

Strap rafters to truss or at each end with min uplift resistance of 450 lbs each end
Strap ridge beam at each end with min uplift resistance of 1800 lbs

Note: Four (4) 12d comm toenails (2 on each side) required per truss/rafter per bearing point into plate to resist both lateral loads (wall to truss) and transverse loads (max plate height =12', not including gable)

Horizontal Resistance (from truss loads) - Note: these devices are in addition to required toe-nails

up to 110 lbs - use H2.5A
up to 525 lbs use H10
up to 1090 lbs use H10 plus A23

Note: hardware to be used must satisfy both uplift and horizontal resistance, combination of devices is acceptable

Note: for combination of loads (uplift and horizontal/lateral) on a single device, the ratio of actual uplift/allowable uplift + actual horizontal load/allowable horizontal cannot exceed 1

		top		bottom	
BEAM SEATS		LSTA18*	1235	LTT19*	1350
POSTS	(Maximum post spacing = 14')	2-LSTA18	2400	ABU44 or ABU66	2200
	*** or per truss engineering**			Must Use proper bolt anchors	

STUDS

Wall Sheathing Nailing Adequate Exterior Walls bottom (8d nails at 3O.C.), must cover sill plate
Wall Sheathing Nailing Adequate Exterior Walls Top (8d nails at 3O.C.), as long as sheathing covers top plate, otherwise use SP2 @32" O.C. in addition to sheathing nailing,
Use SP2 top and SP1 bottom each stud an ancor bolts @ 32" O.C. for all interior load bearing walls that have uplift. Interior anchor bolts to be 1/2" x 8" A307 or 1/2" x 6" wedge anchor with 2" washers

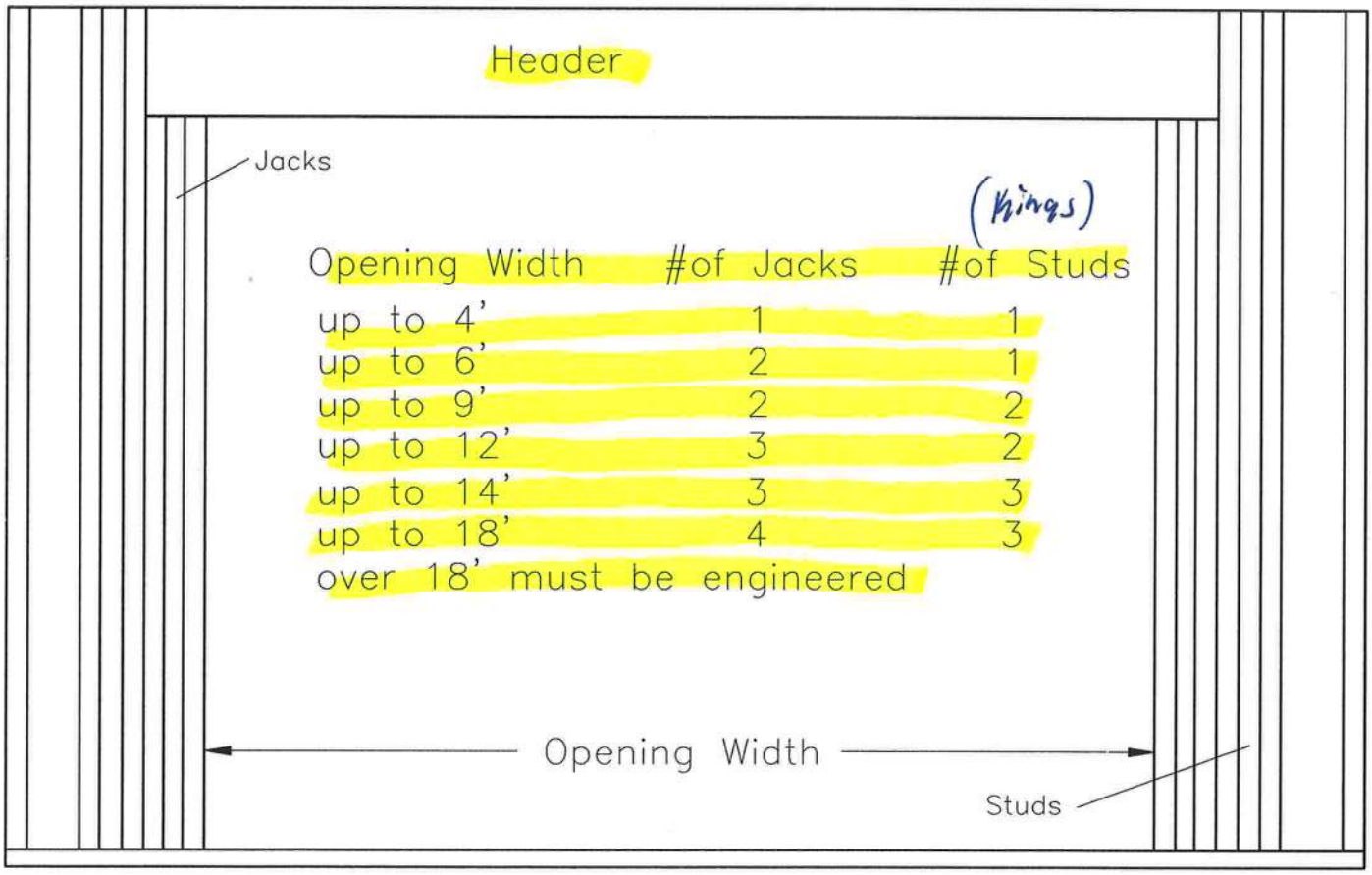
Please Note: All Beams must be sheathed or strapped to Double Top Plate (if applicable)

**an equivalent device of same or other manufactures can be substituted for any of the devices specified on this page as long as it meets the required load capacities

Note: For nailing into SPF members, multiply table values by .86

8/1/17

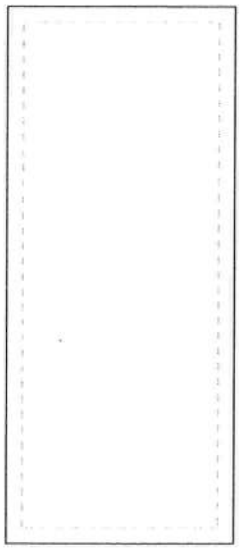
Number of Jack and Stud Requirements per Opening Width
2x4 or 2x6 SPF #1&2 Construction – max Wall Height=12'
(based on 16" O.C. Stud Spacing)



Note – Based on uniform loads. Heavy concentrated loads require engineering review

8/1/17

Project Name: Santa Fe Model



Location:

By: F Sapienza

Start Date: 7/31/2017

Comments:

Local Information

Wind Dir.	Exposure
1	B
2	B
3	B
4	B

Basic Wind Speed: 130 mph

Topography: None

Optional Factors

This project uses load combinations from ASCE 7.

Section - Main Section

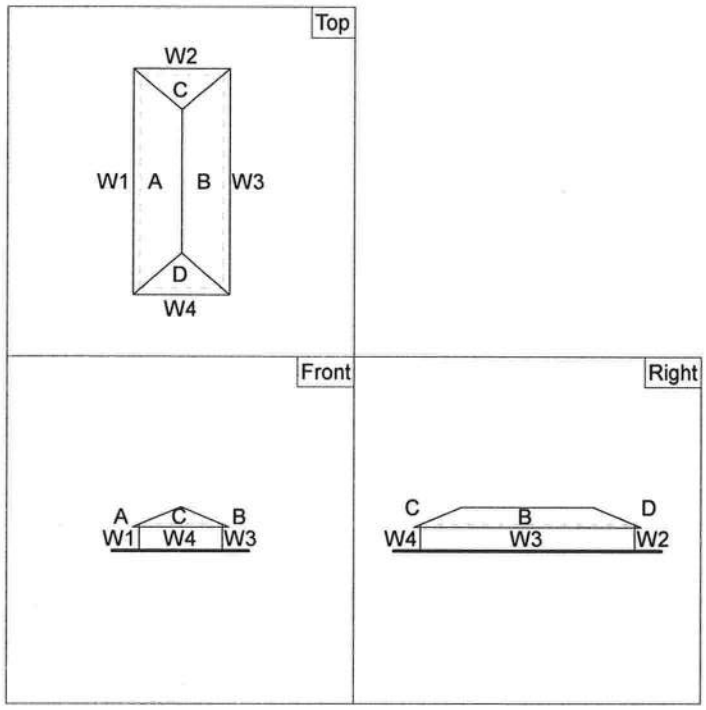
Enclosure Classification: Enclosed
Building Category: II

Wall	Length(ft)	Overhang(ft)
1	64.0	2.0
2	25.0	2.0
3	64.0	2.0
4	25.0	2.0

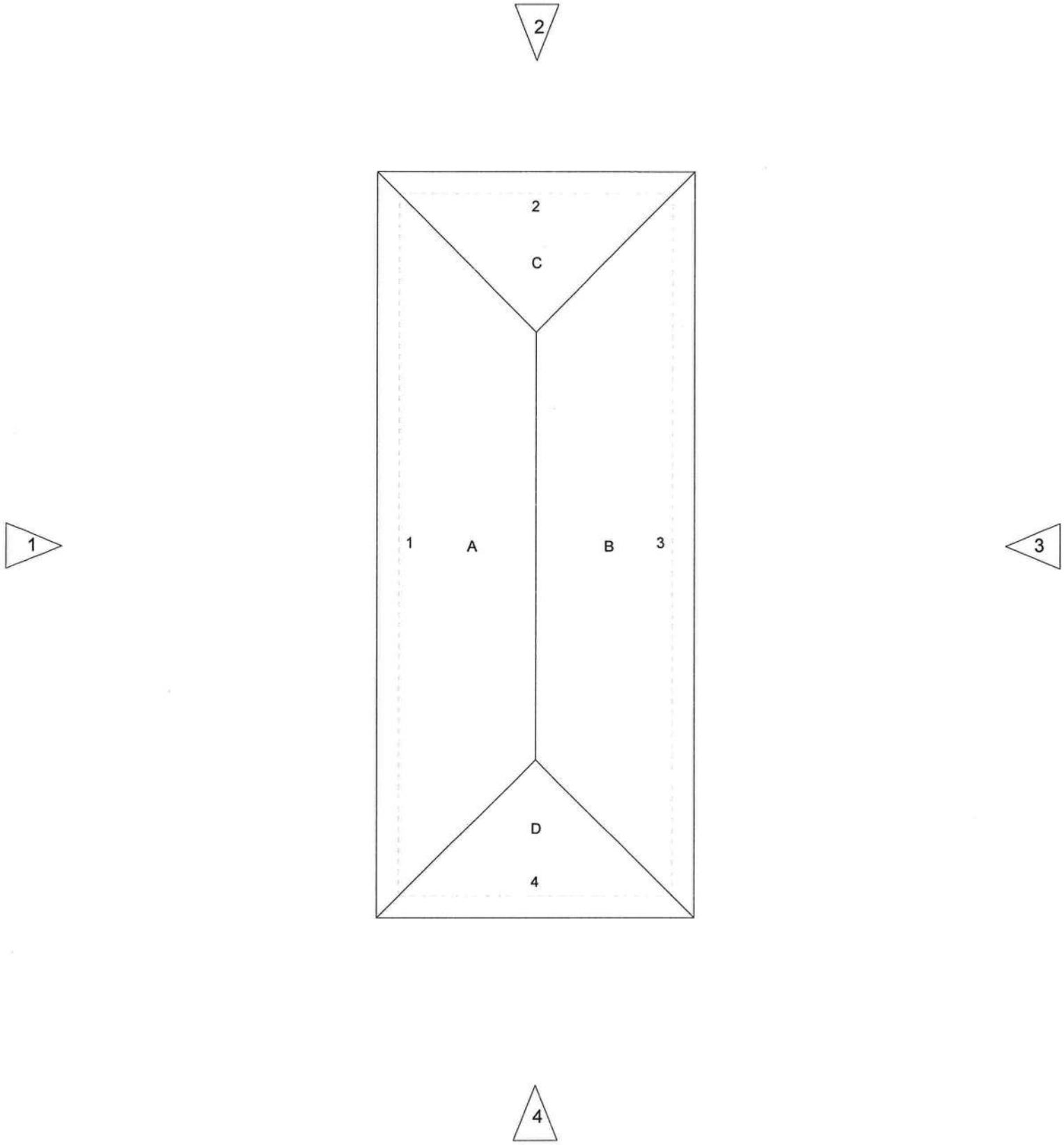
Wall Height: 8 ft
Parapet Height: 0 ft

Roof Shape: Hipped

Roof	Slope(:12)
A&B	5.0
C&D	5.0



Composite Drawing



MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Windward Wall	8.0	21.1	0.86	0.80	0.18	14.5	10.7	18.3
	Overhang Top	10.6	21.1		0.15	0	2.7		
		10.6	21.1		-0.32		-5.8		
	Overhang Bot	8.0	21.1		0.80		14.5		
2	Side Wall	10.6	21.1	0.86	-0.70	0.18	-12.7	-16.5	-8.9
3	Leeward Wall	10.6	21.1	0.86	-0.50	0.18	-9.1	-12.9	-5.3
4	Side Wall	10.6	21.1	0.86	-0.70	0.18	-12.7	-16.5	-8.9
A	Windward Roof	10.6	21.1	0.86	0.15	0.18	2.7	-1.1	6.5
		10.6	21.1		-0.32		-5.8	-9.6	-2.0
B	Leeward Roof	10.6	21.1	0.86	-0.60	0.18	-10.9	-14.7	-7.1
C&D	Roof	0 to 5.3	21.1	0.86	-0.90	0.18	-16.3	-20.1	-12.5
		5.3 to 10.6	21.1				-16.3	-20.1	-12.5
		10.6 to 21.2	21.1		-0.50		-9.1	-12.9	-5.3
		21.2 to 25.0	21.1		-0.30		-5.4	-9.2	-1.6

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	10.6	21.1	0.88	-0.70	0.18	-13.0	-16.8	-9.2
2	Windward Wall	10.6	21.1		0.80		14.9	11.1	18.7
		13.2	21.1				14.9	11.1	18.7
	Overhang Top	10.6	21.1		0.25	0	4.6		
		10.6	21.1		-0.25		-4.6		
	Overhang Bot	8.0	21.1		0.80		14.9		
3	Side Wall	10.6	21.1	0.88	-0.70	0.18	-13.0	-16.8	-9.2
4	Leeward Wall	10.6	21.1	0.88	-0.27	0.18	-5.0	-8.8	-1.2
D	Windward Roof	10.6	21.1	0.88	0.25	0.18	4.6	0.8	8.4
		10.6	21.1		-0.25		-4.6	-8.4	-0.8
C	Leeward Roof	10.6	21.1	0.88	-0.60	0.18	-11.1	-14.9	-7.3
A&B	Roof	0 to 5.3	21.1	0.88	-0.90	0.18	-16.7	-20.5	-12.9
		5.3 to 10.6	21.1				-16.7	-20.5	-12.9
		10.6 to 21.2	21.1		-0.50		-9.3	-13.1	-5.5
		21.2 to 64.0	21.1		-0.30		-5.6	-9.4	-1.8

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

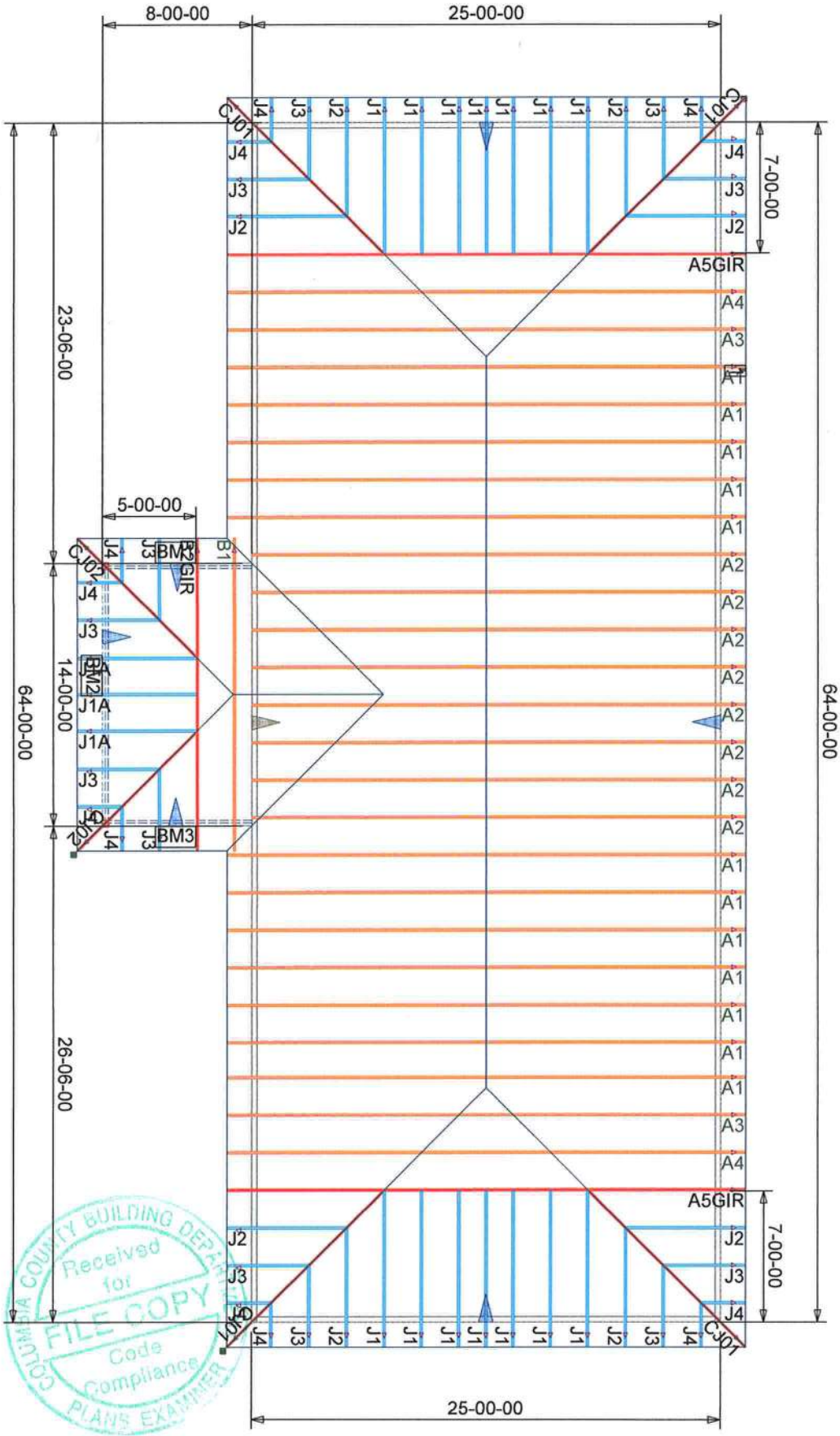
#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Leeward Wall	10.6	21.1	0.86	-0.50	0.18	-9.1	-12.9	-5.3
2	Side Wall	10.6	21.1		-0.70		-12.7	-16.5	-8.9
3	Windward Wall	8.0	21.1	0.86	0.80	0.18	14.5	10.7	18.3
	Overhang Top	10.6	21.1		0.15	0	2.7		
		10.6	21.1		-0.32		-5.8		
	Overhang Bot	8.0	21.1		0.80		14.5		
4	Side Wall	10.6	21.1	0.86	-0.70	0.18	-12.7	-16.5	-8.9
B	Windward Roof	10.6	21.1	0.86	0.15	0.18	2.7	-1.1	6.5
		10.6	21.1		-0.32		-5.8	-9.6	-2.0
A	Leeward Roof	10.6	21.1	0.86	-0.60	0.18	-10.9	-14.7	-7.1
C&D	Roof	0 to 5.3	21.1	0.86	-0.90	0.18	-16.3	-20.1	-12.5
		5.3 to 10.6	21.1				-16.3	-20.1	-12.5
		10.6 to 21.2	21.1		-0.50		-9.1	-12.9	-5.3
		21.2 to 25.0	21.1		-0.30		-5.4	-9.2	-1.6

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	10.6	21.1	0.88	-0.70	0.18	-13.0	-16.8	-9.2
2	Leeward Wall	10.6	21.1		-0.27		-5.0	-8.8	-1.2
3	Side Wall	10.6	21.1	0.88	-0.70	0.18	-13.0	-16.8	-9.2
4	Windward Wall	10.6	21.1	0.88	0.80	0.18	14.9	11.1	18.7
		13.2	21.1				14.9	11.1	18.7
	Overhang Top	10.6	21.1		0.25	0	4.6		
		10.6	21.1		-0.25		-4.6		
	Overhang Bot	8.0	21.1		0.80		14.9		
C	Windward Roof	10.6	21.1	0.88	0.25	0.18	4.6	0.8	8.4
		10.6	21.1		-0.25		-4.6	-8.4	-0.8
D	Leeward Roof	10.6	21.1	0.88	-0.60	0.18	-11.1	-14.9	-7.3
A&B	Roof	0 to 5.3	21.1	0.88	-0.90	0.18	-16.7	-20.5	-12.9
		5.3 to 10.6	21.1				-16.7	-20.5	-12.9
		10.6 to 21.2	21.1		-0.50		-9.3	-13.1	-5.5
		21.2 to 64.0	21.1		-0.30		-5.6	-9.4	-1.8



Santa Fe

Roof Loading	Client: FLA HOMES
TC Live: 20.00 psf	Date: 7/27/2017
TC Dead: 10.00 psf	Quote Date: / /
BC Live: 0.00 psf	Seal Date: / /
BC Dead: 10.00 psf	Designer: Jason DeGroff
Spacing: 2.00 O.C.	Job Number: 0717-060

Mayo Truss Company Inc.
Ph. (386) 294-3988
Fax (386) 294-3981
mayotruss@windstream.net

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

RE: Santa_Fe - Santa Fe

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

Site Information:
Customer Info: FLA HOMES Project Name: Santa Fe Model: .
Lot/Block: . Subdivision: .
Address: .
City: Santa Fe State: Florida

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: FBC2014/TPI2007
Wind Code: ASCE 7-10
Roof Load: 40.0 psf
Design Program: MiTek 20/20 8.0
Wind Speed: 130 mph
Floor Load: N/A psf

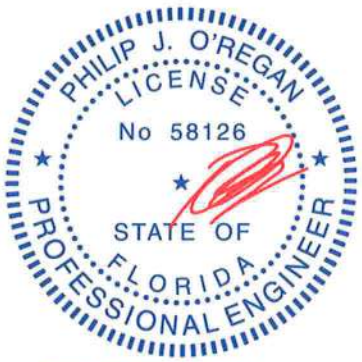
This package includes 14 individual, Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T11694695	A1	7/27/17
2	T11694696	A2	7/27/17
3	T11694697	A3	7/27/17
4	T11694698	A4	7/27/17
5	T11694699	A5GIR	7/27/17
6	T11694700	B1	7/27/17
7	T11694701	B2GIR	7/27/17
8	T11694702	CJ01	7/27/17
9	T11694703	CJ02	7/27/17
10	T11694704	J1	7/27/17
11	T11694705	J1A	7/27/17
12	T11694706	J2	7/27/17
13	T11694707	J3	7/27/17
14	T11694708	J4	7/27/17

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

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2019.

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



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

July 27,2017

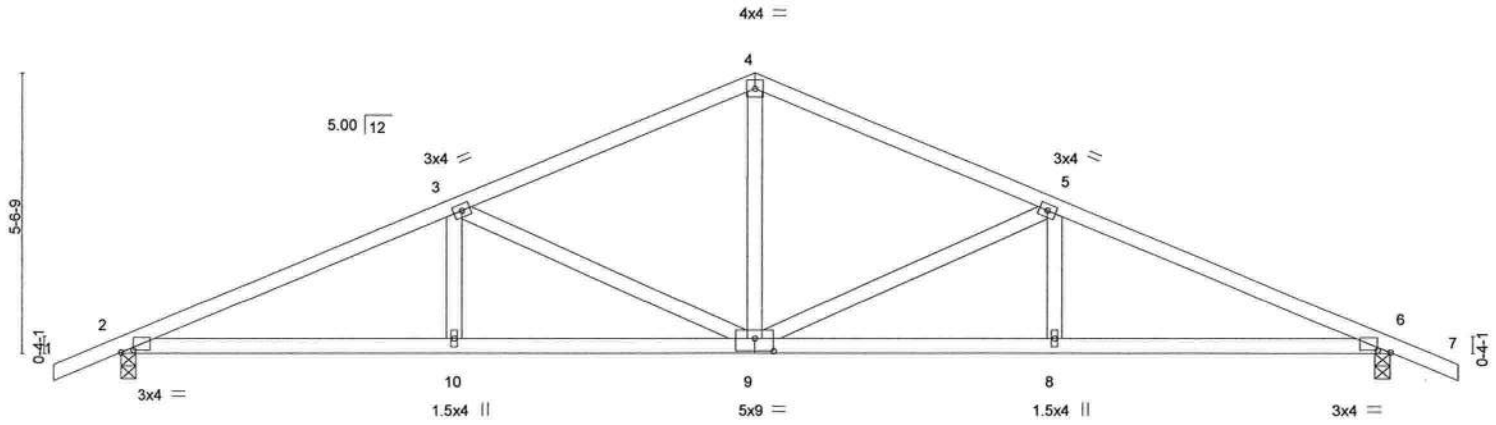
Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	A1	Common	12	1	T11694695
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:10 2017 Page 1
ID:qPADz6R3HiSuN19UDMMEkkyu9FO-WsNMOpiTS2THYDAb3saCc2r7jYaitE?6EBqjWKyu8kZ

-1-4-0	6-6-14	12-6-0	18-5-2	25-0-0	26-4-0
1-4-0	6-6-14	5-11-2	5-11-2	6-6-14	1-4-0

Scale = 1:44.4



6-6-14	12-6-0	18-5-2	25-0-0
6-6-14	5-11-2	5-11-2	6-6-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.09	9-10	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(TL)	-0.24	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.08	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 115 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1080/0-3-8, 6=1080/0-3-8
Max Horz 2=83(LC 11)
Max Uplift 2=-32(LC 12), 6=-32(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1904/164, 3-4=-1332/156, 4-5=-1332/156, 5-6=-1904/164
BOT CHORD 2-10=-77/1694, 9-10=-77/1694, 8-9=-80/1694, 6-8=-80/1694
WEBS 4-9=-8/626, 5-9=-609/94, 3-9=-609/94

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

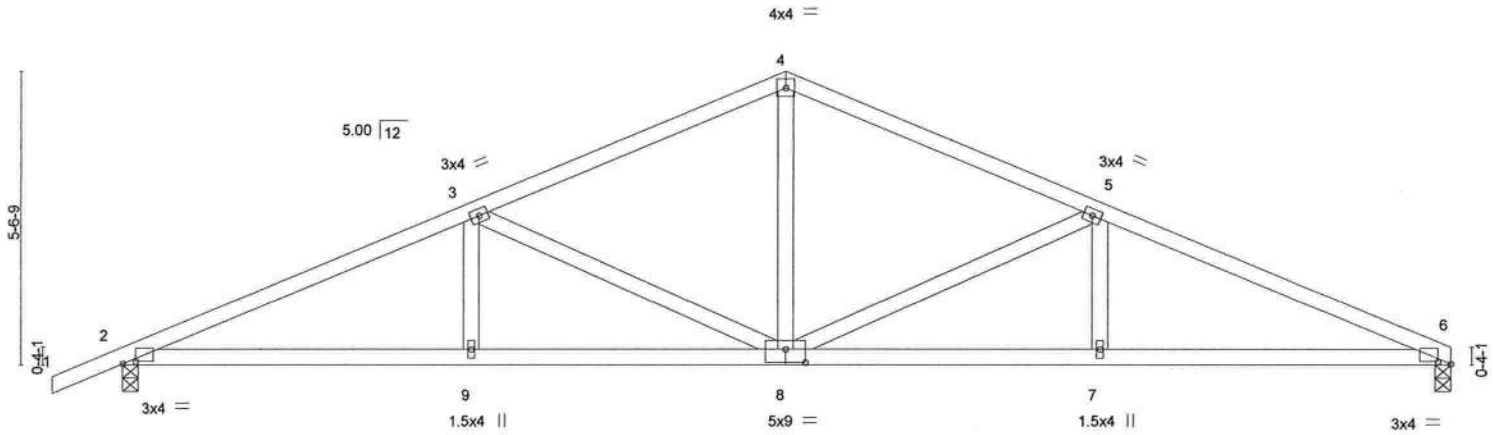
Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	A2	Common	8	1	T11694696
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:11 2017 Page 1
ID:qPADz6R3HiSuN19UDMMEkkyu9FO-_2xkb9j5DLb8ANlnda6R8GNlQywxcgAFTrZG2myu8kY

-1-4-0	6-6-14	12-6-0	18-5-2	25-0-0
1-4-0	6-6-14	5-11-2	5-11-2	6-6-14

Scale = 1:42.4



6-6-14	12-6-0	18-5-2	25-0-0
6-6-14	5-11-2	5-11-2	6-6-14

Plate Offsets (X,Y)-- [2:0-2-14,0-0-8], [6:0-2-14,0-0-8], [8:0-4-8,0-3-0]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.31	Vert(LL)	-0.09	8-9	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.48	Vert(TL)	-0.24	8-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.08	6	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 113 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 6=999/0-3-8, 2=1081/0-3-8
Max Horz 2=82(LC 11)
Max Uplift 2=-33(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1906/166, 3-4=-1335/157, 4-5=-1335/157, 5-6=-1912/167
BOT CHORD 2-9=-95/1696, 8-9=-95/1696, 7-8=-97/1702, 6-7=-97/1702
WEBS 4-8=-9/629, 5-8=-615/95, 3-8=-609/94

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) 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 ½" gypsum sheetrock be applied directly to the bottom chord.

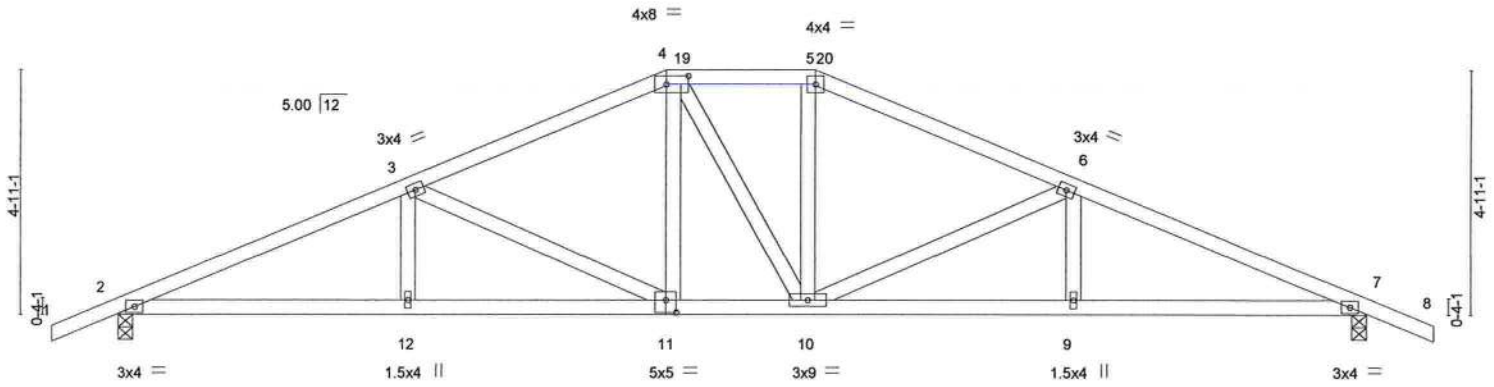
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Santa Fe	T11694697
SANTA_FE	A3	Hip	2	1	Job Reference (optional)	

Mayo Truss, Mayo, Fl — 8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:12 2017 Page 1
ID:qPADz6R3HiSuN19UDMMEkkyu9FO-SFV6pVjj_fj_oXKzBHdghTwT?LGeLAiPhVJqaDyu8kX

-1-4-0	5-9-14	11-0-0	14-0-0	19-2-2	25-0-0	26-4-0
1-4-0	5-9-14	5-2-2	3-0-0	5-2-2	5-9-14	1-4-0

Scale = 1:45.1



5-9-14	11-0-0	14-0-0	19-2-2	25-0-0
5-9-14	5-2-2	3-0-0	5-2-2	5-9-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.08	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.45	Vert(TL)	-0.23	9-10	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 125 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1080/0-3-8, 7=1080/0-3-8
Max Horz 2=-74(LC 10)
Max Uplift 2=-32(LC 12), 7=-32(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1953/178, 3-4=-1459/173, 4-5=-1290/178, 5-6=-1451/172, 6-7=-1953/177
BOT CHORD 2-12=-94/1746, 11-12=-94/1746, 10-11=-26/1287, 9-10=-98/1746, 7-9=-98/1746
WEBS 3-11=-516/81, 4-11=0/318, 5-10=0/320, 6-10=-521/81

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

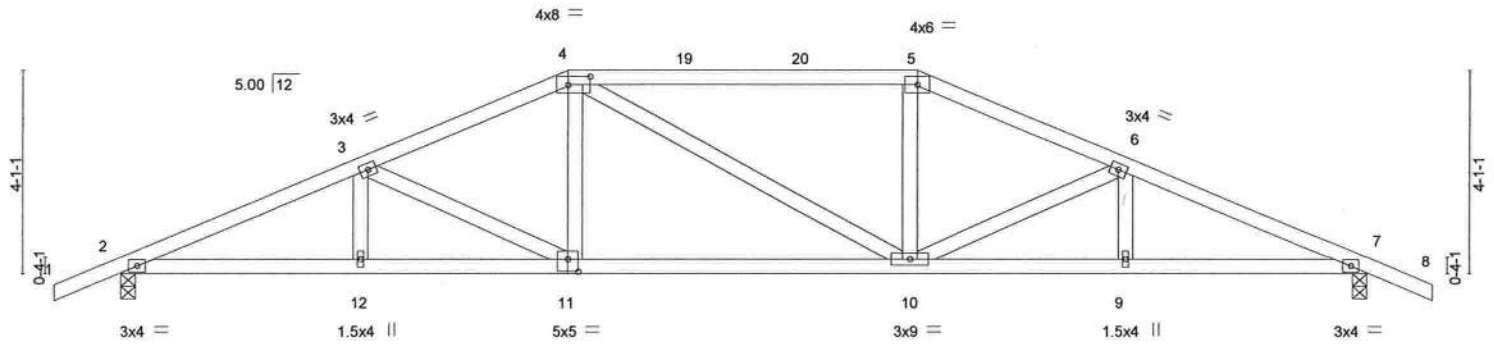
MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	A4	Hip	2	1	T11694698
					Job Reference (optional)

Mayo Truss, Mayo, Fl — 8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:13 2017 Page 1
ID:qPADz6R3HiSuN19UDMMEkkyu9FO-wR3U0rkLlzsrQgu9k?8vDhTZglcz4egYw92N7fyu8kW

-1-4-0	4-9-14	9-0-0	16-0-0	20-2-2	25-0-0	26-4-0
1-4-0	4-9-14	4-2-2	7-0-0	4-2-2	4-9-14	1-4-0

Scale = 1:45.1



4-9-14	9-0-0	16-0-0	20-2-2	25-0-0
4-9-14	4-2-2	7-0-0	4-2-2	4-9-14

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.58	Vert(LL)	-0.09	10-11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.51	Vert(TL)	-0.28	10-11	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.08	7	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 121 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.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=1080/0-3-8, 7=1080/0-3-8
Max Horz 2=62(LC 11)
Max Uplift 2=-32(LC 12), 7=-32(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1964/193, 3-4=-1659/191, 4-5=-1499/194, 5-6=-1651/191, 6-7=-1964/192
BOT CHORD 2-12=-113/1759, 11-12=-113/1759, 10-11=-68/1495, 9-10=-119/1760, 7-9=-119/1760
WEBS 3-11=-302/57, 4-11=0/344, 5-10=0/344, 6-10=-309/56

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=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 7.
7) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

MiTek
6904 Parke East Blvd.
Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	A5GIR	Hip Girder	2	2	T11694699

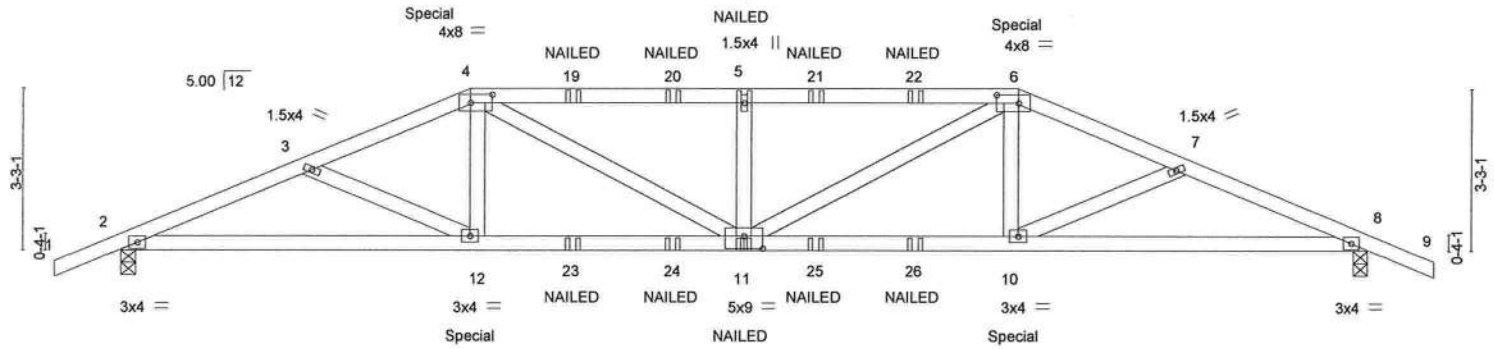
Job Reference (optional)

Mayo Truss, Mayo, FI

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:16 2017 Page 1
ID:qPADz6R3HiSuN19UDMMEkkyu9FO-L0kdetmE2uEQH8dkQ7hcrJ565zb5H?C_c7H1j_yu8kT

-1-4-0	3-9-14	7-0-0	12-6-0	18-0-0	21-2-2	25-0-0	26-4-0
1-4-0	3-9-14	3-2-2	5-6-0	5-6-0	3-2-2	3-9-14	1-4-0

Scale = 1:45.1



7-0-0	12-6-0	18-0-0	25-0-0
7-0-0	5-6-0	5-6-0	7-0-0

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

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.51	Vert(LL)	-0.13	11	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.61	Vert(TL)	-0.35	10-11	>863	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.14	Horz(TL)	0.10	8	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 241 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 4-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS. (lb/size) 2=2100/0-3-8, 8=2100/0-3-8
Max Horz 2=-50(LC 6)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-4442/0, 3-4=-4355/0, 4-5=-5115/0, 5-6=-5115/0, 6-7=-4355/0, 7-8=-4442/0
BOT CHORD 2-12=0/4025, 11-12=0/4036, 10-11=0/4036, 8-10=0/4025
WEBS 4-12=0/619, 4-11=-17/1279, 5-11=-825/175, 6-11=-17/1279, 6-10=0/619

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=25ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 231 lb down and 125 lb up at 7-0-0, and 231 lb down and 125 lb up at 18-0-0 on top chord, and 361 lb down at 7-0-0, and 361 lb down at 17-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 4-6=-60, 6-9=-60, 13-16=-20

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	A5GIR	Hip Girder	2	2	T11694699
					Job Reference (optional)

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 4=-184(B) 6=-184(B) 12=-361(B) 11=-64(B) 5=-126(B) 10=-361(B) 19=-126(B) 20=-126(B) 21=-126(B) 22=-126(B) 23=-64(B) 24=-64(B) 25=-64(B) 26=-64(B)

Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	B1	Common	1	1	T11694700
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:17 2017 Page 1
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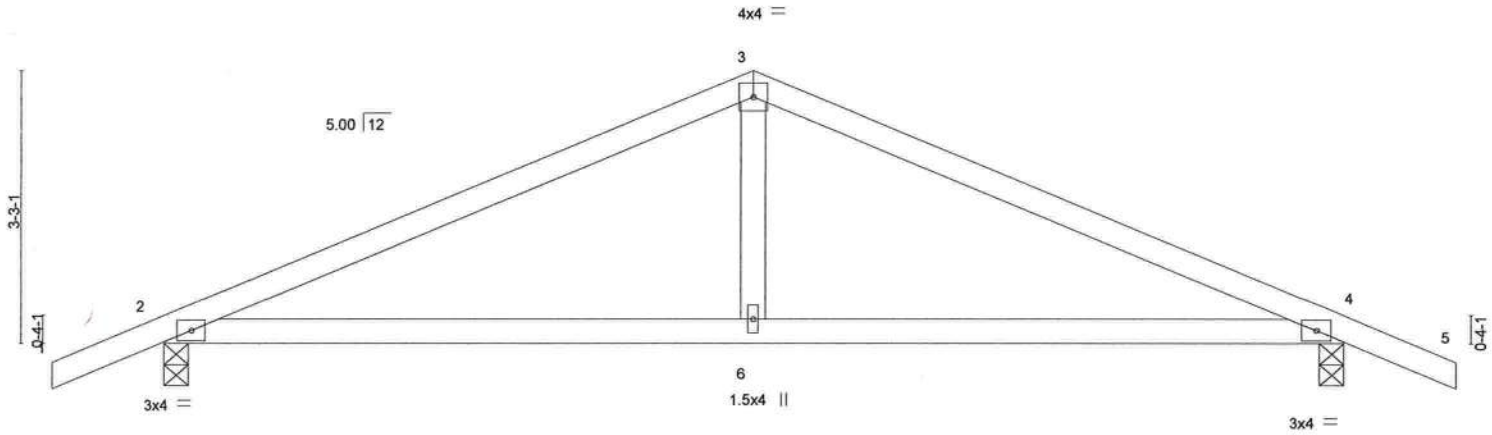
1-4-0 | 7-0-0 | 7-0-0 | 1-4-0

Scale = 1:26.7



7-0-0 | 14-0-0
7-0-0 | 7-0-0

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	0.34	Vert(LL)	0.07	6-12	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.40	Vert(TL)	-0.10	6-9	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 52 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 2=640/0-3-8, 4=640/0-3-8
Max Horz 2=-49(LC 10)
Max Uplift 2=-153(LC 12), 4=-153(LC 12)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-768/527, 3-4=-768/527
BOT CHORD 2-6=-411/641, 4-6=-411/641
WEBS 3-6=-264/275

NOTES-
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=153, 4=153.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	B2GIR	Hip Girder	1	2	T11694701

Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:19 2017 Page 1
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-1-4-0 | 5-0-0 | 9-0-0 | 14-0-0 | 15-4-0
1-4-0 | 5-0-0 | 4-0-0 | 5-0-0 | 1-4-0

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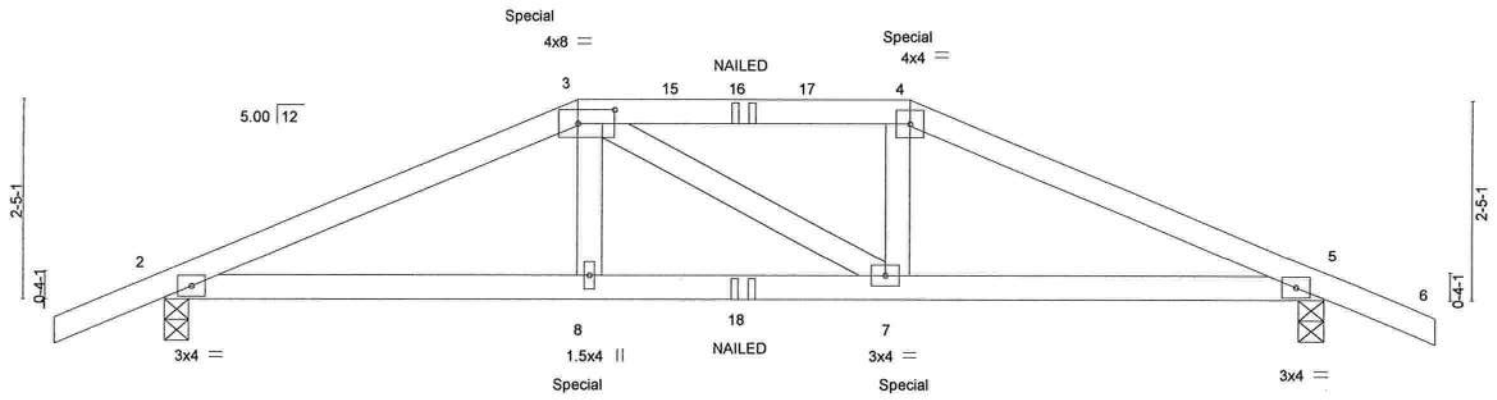

5-0-0 | 9-0-0 | 14-0-0
5-0-0 | 4-0-0 | 5-0-0

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

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	0.20	Vert(LL)	-0.02	7-8	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(TL)	-0.06	7-8	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 118 lb	FT = 0%

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

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

REACTIONS. (lb/size) 2=925/0-3-8, 5=925/0-3-8
Max Horz 2=-38(LC 23)
Max Uplift 2=-110(LC 8), 5=-110(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1627/89, 3-4=-1470/91, 4-5=-1628/88
BOT CHORD 2-8=-28/1451, 7-8=-25/1469, 5-7=-26/1452
WEBS 3-8=0/349, 4-7=0/350

NOTES-
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2x4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
5) Provide adequate drainage to prevent water ponding.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=110, 5=110.
9) "NAILED" indicates 3-10d (0.148"x3") or 3-12d (0.148"x3.25") toe-nails per NDS guidlines.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 118 lb down and 88 lb up at 5-0-0, and 118 lb down and 88 lb up at 9-0-0 on top chord, and 201 lb down at 5-0-0, and 201 lb down at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-4=-60, 4-6=-60, 9-12=-20

Continued on page 2

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	B2GIR	Hip Girder	1	2	T11694701
					Job Reference (optional)

LOAD CASE(S) Standard

Concentrated Loads (lb)

Vert: 3=-71(F) 4=-71(F) 8=-161(F) 7=-161(F) 16=-67(F) 18=-40(F)

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	CJ01	Diagonal Hip Girder	4	1	T11694702
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:20 2017 Page 1
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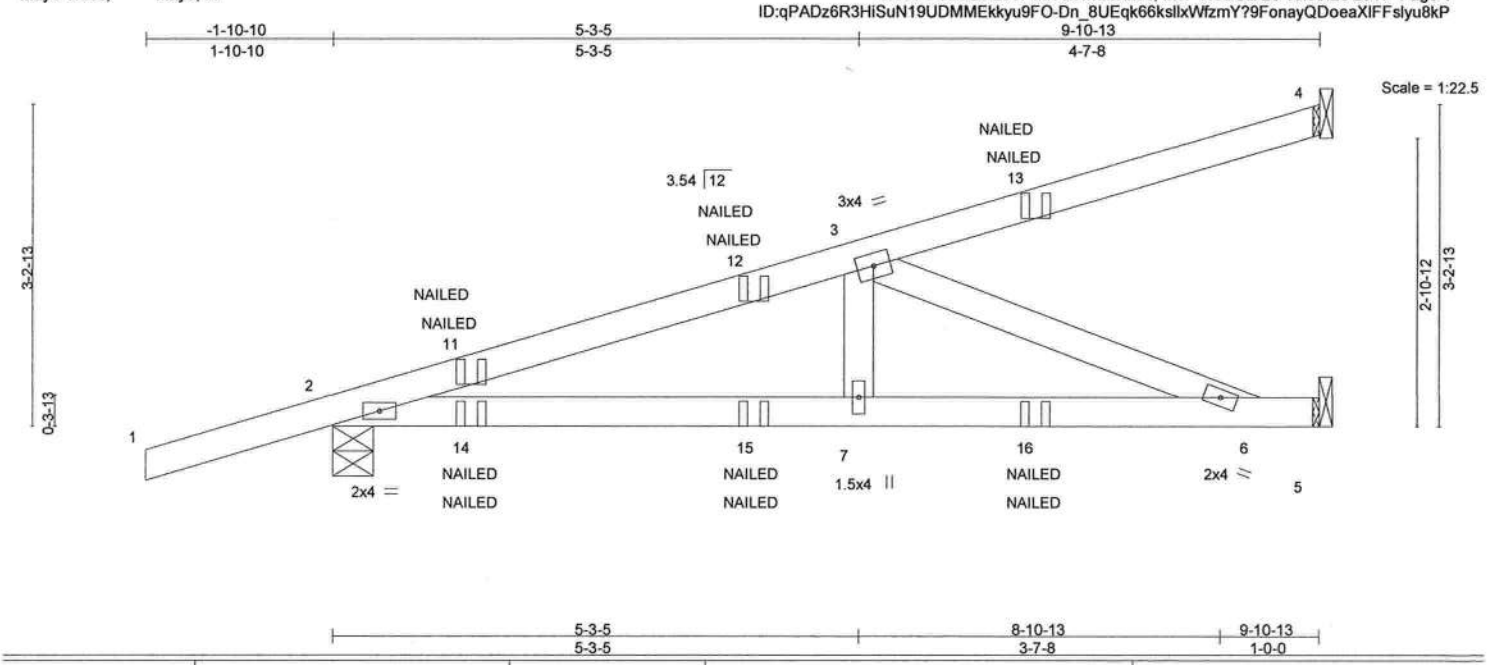

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.46	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.65	Vert(TL)	-0.14	6-7	>816	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MS							Weight: 41 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=143/Mechanical, 2=417/0-4-15, 5=326/Mechanical
Max Horz 2=90(LC 8)
Max Uplift 4=-30(LC 8), 2=-68(LC 8)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-850/0
BOT CHORD 2-7=-15/787, 6-7=-15/787
WEBS 3-7=0/306, 3-6=-846/16

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=117(F=58, B=58) 13=-84(F=-42, B=-42) 14=57(F=28, B=28) 15=-12(F=-6, B=-6) 16=-63(F=-32, B=-32)

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	CJ02	Diagonal Hip Girder	2	1	T11694703
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:21 2017 Page 1
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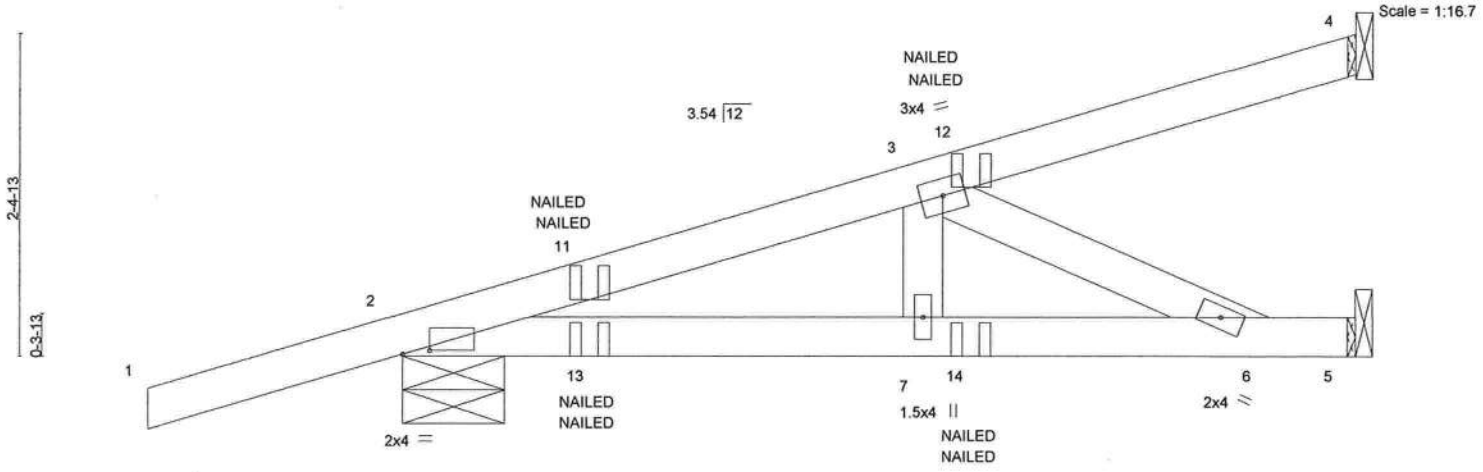
Scale = 1:16.7



3-10-5 / 3-10-5 | 6-0-14 / 2-2-8 | 7-0-14 / 1-0-0

Plate Offsets (X,Y)-- [2:0-2-6,0-0-5]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.26	Vert(LL)	-0.01	6-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.31	Vert(TL)	-0.04	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 30 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 4=88/Mechanical, 2=274/0-9-2, 5=150/Mechanical
Max Horz 2=70(LC 8)
Max Uplift 4=-18(LC 8), 2=-73(LC 8)
Max Grav 4=89(LC 17), 2=282(LC 28), 5=171(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-395/0
BOT CHORD 2-7=-14/356, 6-7=-14/356
WEBS 3-6=-391/15

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional); cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
6) "NAILED" indicates 3-10d (0.148"x3") or 2-12d (0.148"x3.25") toe-nails per NDS guidlines.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 5-8=-20
Concentrated Loads (lb)
Vert: 11=117(F=58, B=58) 13=57(F=28, B=28) 14=-12(F=-6, B=-6)

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	J1	Jack-Open	14	1	T11694704
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:22 2017 Page 1
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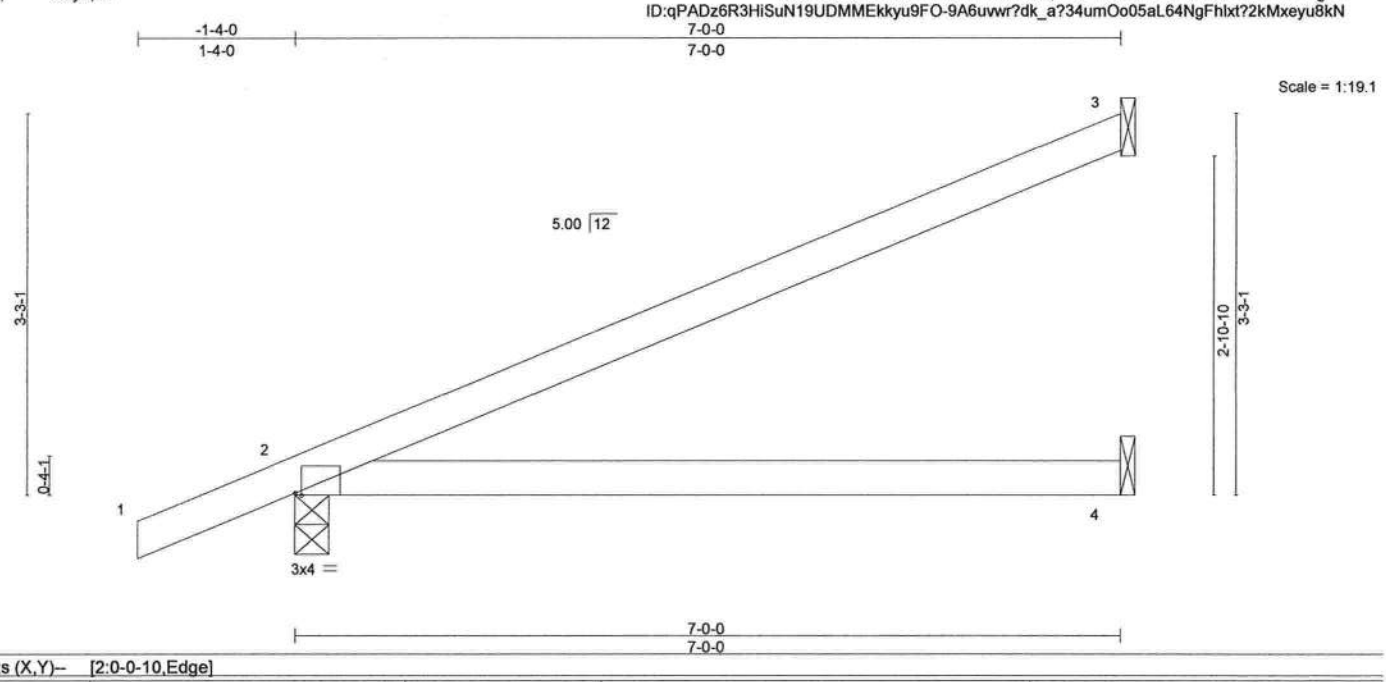

Plate Offsets (X,Y)-- [2:0-0-10,Edge]

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.60	Vert(LL)	-0.08	4-7	>992	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.50	Vert(TL)	-0.27	4-7	>309	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 24 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 3=186/Mechanical, 2=365/0-3-8, 4=84/Mechanical
Max Horz 2=90(LC 12)
Max Uplift 3=-39(LC 12), 2=-22(LC 12)
Max Grav 3=186(LC 1), 2=365(LC 1), 4=124(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	J1A	Jack-Open	3	1	T11694705
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:22 2017 Page 1
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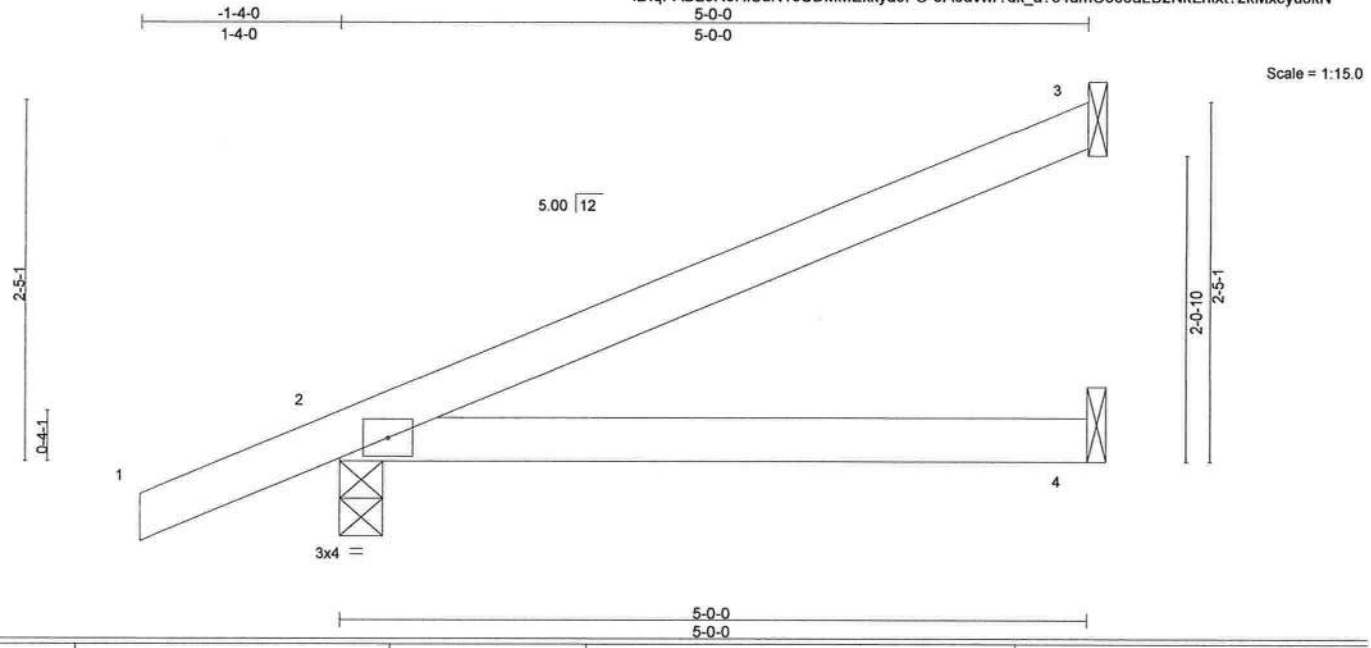

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(TL)	-0.07	4-7	>863	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 18 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 3=127/Mechanical, 2=288/0-3-8, 4=60/Mechanical
Max Horz 2=70(LC 12)
Max Uplift 3=-25(LC 12), 2=-28(LC 12)
Max Grav 3=127(LC 1), 2=288(LC 1), 4=88(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

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Tampa, FL 36610

Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	J2	Jack-Open	8	1	T11694706
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:23 2017 Page 1
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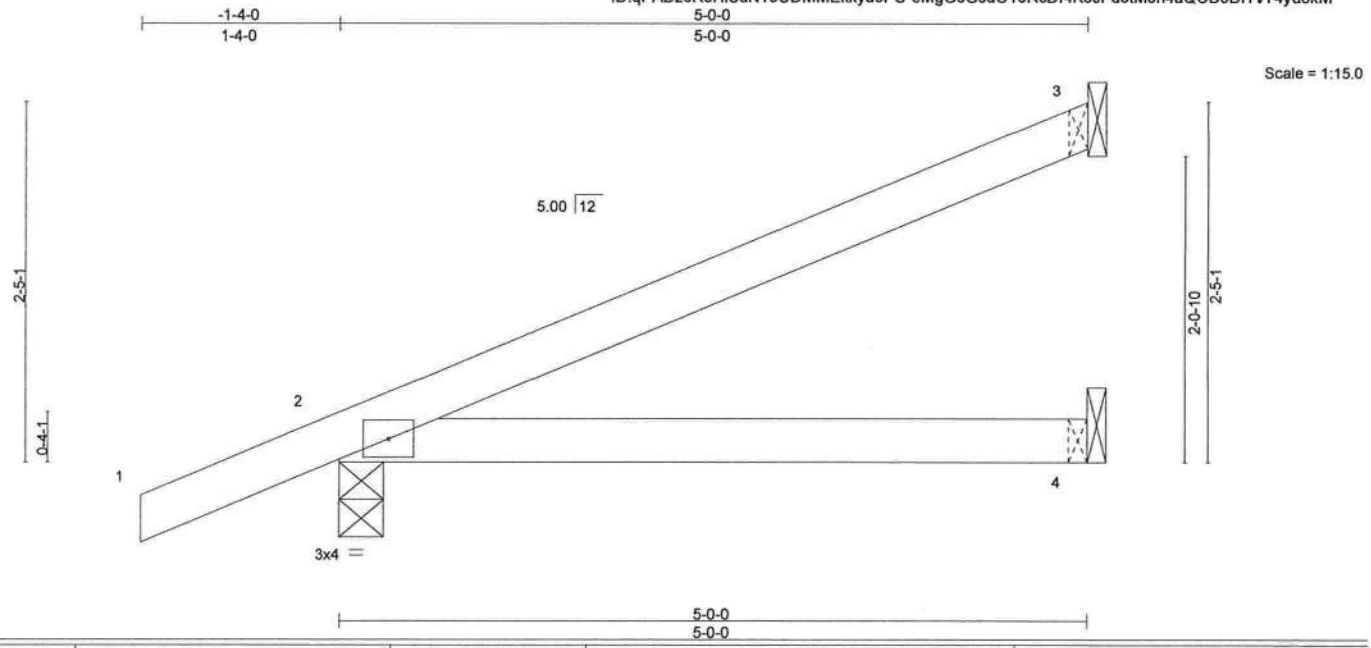

LOADING (psf)		SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.28	Vert(LL)	-0.02	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.23	Vert(TL)	-0.07	4-7	>863	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-AS							Weight: 18 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 3=127/Mechanical, 2=288/0-3-8, 4=60/Mechanical
Max Horz 2=70(LC 12)
Max Uplift 3=-25(LC 12), 2=-28(LC 12)
Max Grav 3=127(LC 1), 2=288(LC 1), 4=88(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.
6) This truss design requires that a minimum of 7/16" structural wood sheathing be applied directly to the top chord and ½" gypsum sheetrock be applied directly to the bottom chord.

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Job	Truss	Truss Type	Qty	Ply	Santa Fe	
SANTA_FE	J3	Jack-Open	12	1	Job Reference (optional)	T11694707

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:24 2017 Page 1
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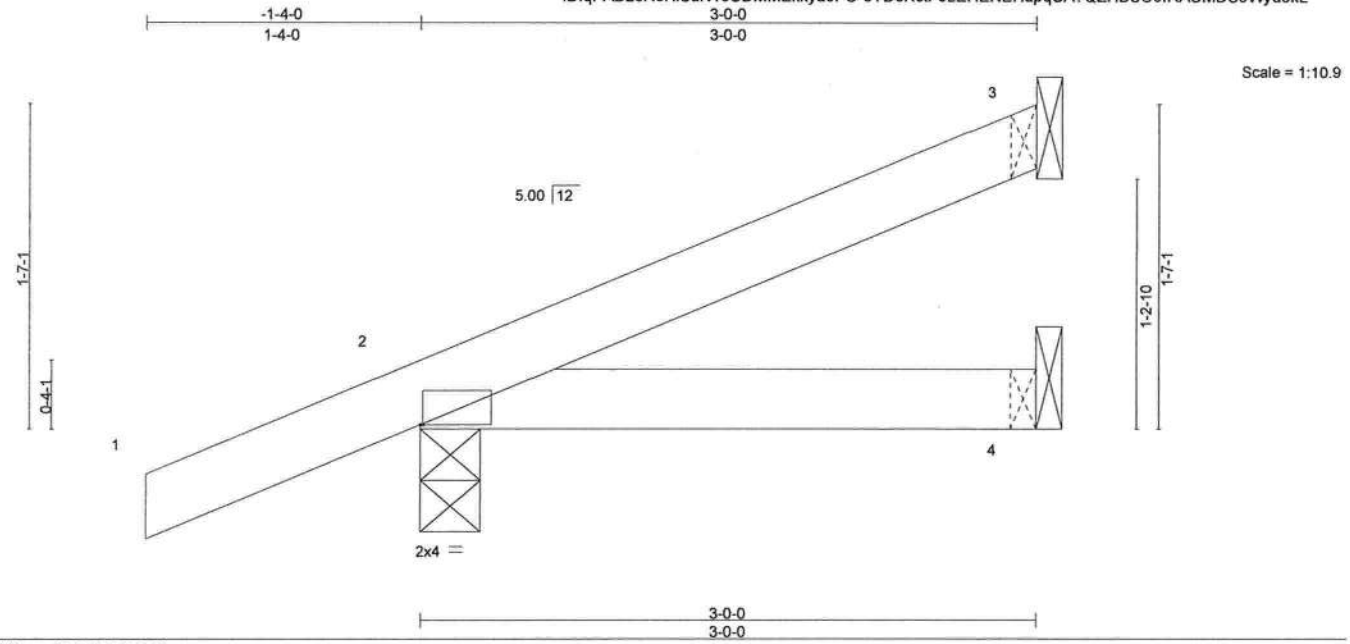

Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

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	0.11	Vert(LL)	-0.00	4-7	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.07	Vert(TL)	-0.01	4-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 12 lb	FT = 0%

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

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 3=67/Mechanical, 2=216/0-3-8, 4=33/Mechanical
Max Horz 2=50(LC 12)
Max Uplift 3=-11(LC 12), 2=-36(LC 12)
Max Grav 3=67(LC 1), 2=216(LC 1), 4=50(LC 3)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 2.

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Job	Truss	Truss Type	Qty	Ply	Santa Fe
SANTA_FE	J4	Jack-Open	12	1	T11694708
					Job Reference (optional)

Mayo Truss, Mayo, Fl

8.030 s Jan 23 2017 MiTek Industries, Inc. Wed Jul 26 16:00:24 2017 Page 1
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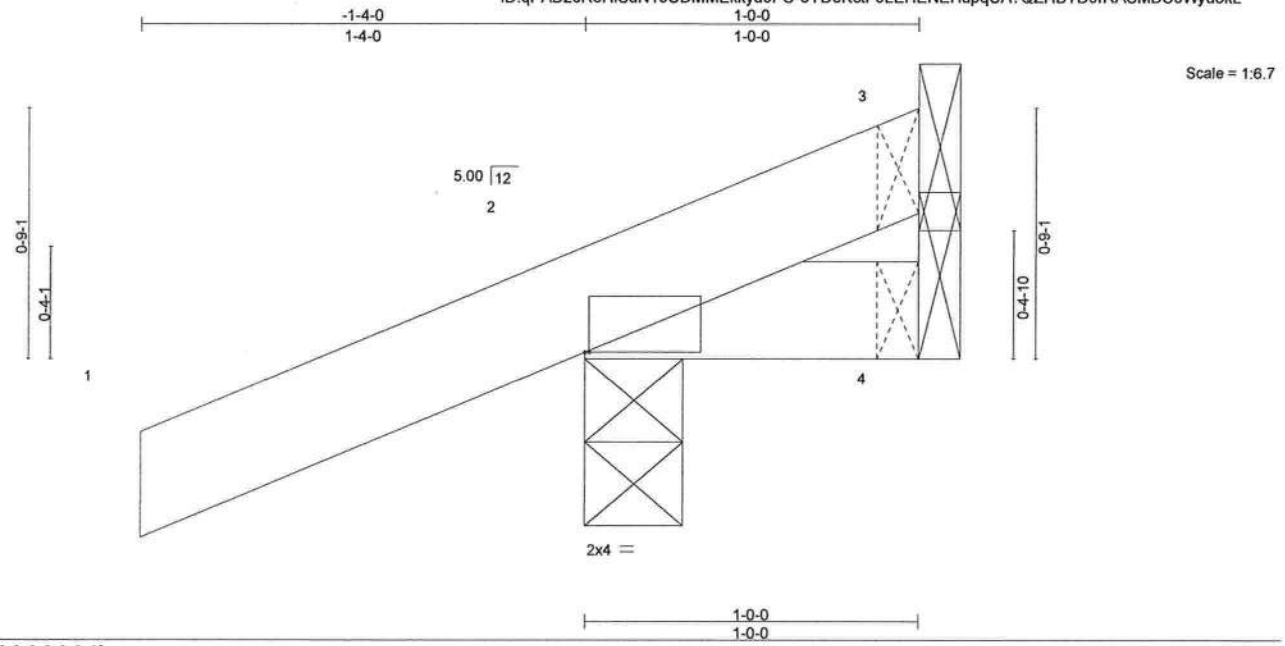

Plate Offsets (X,Y)-- [2:0-0-2,0-0-0]

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	0.11	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	10.0	Lumber DOL	1.25	BC	0.02	Vert(TL)	0.00	5	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2014/TPI2007		Matrix-MP							Weight: 5 lb	FT = 0%

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

BRACING-
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

REACTIONS. (lb/size) 3=-0/Mechanical, 2=174/0-3-8, 4=-14/Mechanical
Max Horz 2=30(LC 12)
Max Uplift 2=-58(LC 12), 4=-14(LC 1)
Max Grav 3=8(LC 12), 2=174(LC 1), 4=17(LC 12)

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

NOTES-
1) Wind: ASCE 7-10; Vult=130mph (3-second gust) Vasd=101mph; TCDL=6.0psf; BCDL=6.0psf; h=15ft; B=45ft; L=24ft; eave=4ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (directional) and C-C Interior(1) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 4.

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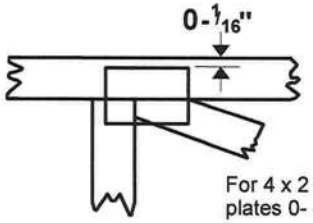
Tampa, FL 36610

Symbols

PLATE LOCATION AND ORIENTATION

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



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

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION

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

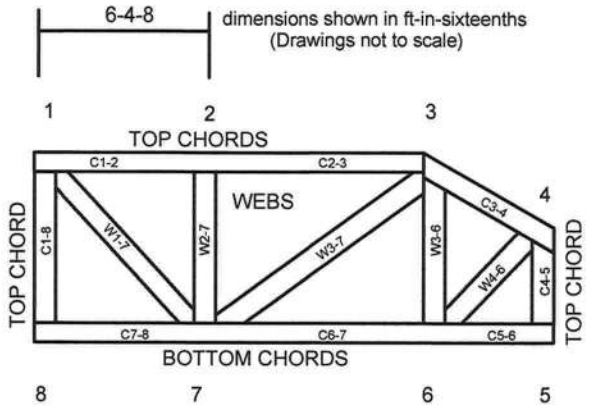
BEARING

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

Industry Standards:

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

Numbering System



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

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

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

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

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Project Report

General Project Information

Project Title:	Santa Fe Model
Designed By:	NCFAC
Project Date:	7/28/17
Client Name:	Florida Homes
Client Address:	13919 NW 145th Avenue
Client City:	Alachua FL 32643
Client Phone:	386-418-4663
Client Fax:	386-462-7718
Client E-Mail Address:	flahomes@windstream.net
Company Name:	North Centeral Florida Air Conditioning
Company Representative:	R. Walsh
Company Address:	P.O Box 642
Company City:	High Springs Fl 32655
Company Phone:	386-454-4767
Company Fax:	386-454-4854
Company Comment:	

Design Data

Reference City:		Gainesville, Florida
Building Orientation:		Front door faces South
Daily Temperature Range:		Medium
Latitude:	29	Degrees
Elevation:	152	ft.
Altitude Factor:	0.995	

	Outdoor Dry Bulb	Outdoor Wet Bulb	Outdoor Rel.Hum	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	33	30.8	n/a	n/a	70	n/a
Summer:	92	77	51%	50%	75	52

Check Figures

Total Building Supply CFM:	929	CFM Per Square ft.:	0.576
Square ft. of Room Area:	1,612	Square ft. Per Ton:	643
Volume (ft³):	12,898		

Building Loads

Total Heating Required Including Ventilation Air:	21,078 Btuh	21.078	MBH
Total Sensible Gain:	22,553 Btuh	75	%
Total Latent Gain:	7,532 Btuh	25	%
Total Cooling Required Including Ventilation Air:	30,085 Btuh	2.51	Tons (Based On Sensible + Latent)

Notes

Rhvac is an ACCA approved Manual J and Manual D computer program.
Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

Load Preview Report

Scope	Net Ton	ft.²/Ton	Area	Sen Gain	Lat Gain	Net Gain	Sen Loss	Sys Htg CFM	Sys Clg CFM	Sys Act CFM	Duct Size
Building	2.51	643	1,612	22,553	7,532	30,085	21,078	212	929	929	
System 1 Main Floor	2.51	643	1,612	22,553	7,532	30,085	21,078	212	929	929	12x14
Ventilation				2,232	4,195	6,427	4,857				
Supply Duct Latent					839	839					
Zone 1			1,612	20,321	2,499	22,820	16,221	212	929	929	12x14
1-Master Bedroom			190	4,021	460	4,481	2,128	28	184	184	1--8
2-Bedroom 2			216	2,079	230	2,309	1,860	24	95	95	1--6
3-Master Bath			85	594	0	594	1,094	14	27	27	1--4
4-Kitchen			592	7,809	1,349	9,158	5,555	73	357	357	3--6
5-WIC			42	197	0	197	358	5	9	9	1--4
6-Utility			86	954	0	954	751	10	44	44	1--4
7-Bath 2			51	244	0	244	446	6	11	11	1--4
8-Bedroom 3			222	2,434	230	2,664	2,363	31	111	111	1--6
9-Bedroom 4			130	1,991	230	2,221	1,666	22	91	91	1--6

Duct Size Preview

Room or Duct Name	Source	Minimum Velocity	Maximum Velocity	Rough. Factor	Design L/100	SP Loss	Duct Velocity	Duct Length	Htg Flow	Clg Flow	Act. Flow	Duct Size
System 1												
Supply Runouts												
Zone 1												
1-Master Bedroom	Built-In	450	750	0.01	0.1		526.5		28	184	184	1--8
2-Bedroom 2	Built-In	450	750	0.01	0.1		483.9		24	95	95	1--6
3-Master Bath	Built-In	450	750	0.01	0.1		311.2		14	27	27	1--4
4-Kitchen	Built-In	450	750	0.01	0.1		605.9		73	357	357	3--6
5-WIC	Built-In	450	750	0.01	0.1		103		5	9	9	1--4
6-Utility	Built-In	450	750	0.01	0.1		499.4		10	44	44	1--4
7-Bath 2	Built-In	450	750	0.01	0.1		127.8		6	11	11	1--4
8-Bedroom 3	Built-In	450	750	0.01	0.1		566.5		31	111	111	1--6
9-Bedroom 4	Built-In	450	750	0.01	0.1		463.4		22	91	91	1--6
Other Ducts in System 1												
Supply Main Trunk	Built-In	650	900	0.003	0.1		796.1		212	929	929	12x14

Summary

System 1
Heating Flow: 212
Cooling Flow: 929

System 1 Main Floor Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
Low e Vinyl: Glazing-vinley low E Windo or sliding glass door, ground reflectance = 0.23, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage, u-value 0.33, SHGC 0.23	100	1,220	0	841	841
11P: Door-Polyurethane Core	42	450	0	342	342
12C-0sw: Wall-Frame, R-13 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	1287.3	4,335	0	2,755	2,755
16B-30: Roof/Ceiling-Under Attic with Insulation on Attic Floor (also use for Knee Walls and Partition Ceilings), Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	1612.4	1,909	0	2,682	2,682
20P-13: Floor-Over open crawl space or garage, Passive, R-13 blanket insulation, any cover	1396	3,513	0	1,139	1,139
20P-11: Floor-Over open crawl space or garage, Passive, R-11 blanket insulation, any cover	216.4	625	0	203	203
Subtotals for structure:		12,052	0	7,962	7,962
People:	5		1,150	1,500	2,650
Equipment:			1,349	8,525	9,874
Lighting:	0			0	0
Ductwork:		4,169	839	2,334	3,173
Infiltration: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Ventilation: Winter CFM: 120, Summer CFM: 120		4,857	4,195	2,232	6,427
System 1 Main Floor Load Totals:		21,078	7,532	22,553	30,085

Check Figures

Supply CFM:	929	CFM Per Square ft.:	0.576
Square ft. of Room Area:	1,612	Square ft. Per Ton:	643
Volume (ft³):	12,898		

System Loads

Total Heating Required Including Ventilation Air:	21,078 Btuh	21.078	MBH
Total Sensible Gain:	22,553 Btuh	75	%
Total Latent Gain:	7,532 Btuh	25	%
Total Cooling Required Including Ventilation Air:	30,085 Btuh	2.51	Tons (Based On Sensible + Latent)

Notes

Rhvac is an ACCA approved Manual J and Manual D computer program.
Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

Equipment Data - System 1 - Main Floor

Cooling

System Type:	Air Source Heat Pump
Outdoor Model:	GSZ140301K*
Indoor Model:	ARUF31B14A*
Tradename:	GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR CONDITIONING AND HEATING, ENERGI AIR, FRANKLIN
Outdoor Manufacturer:	GOODMAN MANUFACTURING CO., LP.
Description:	Air Source Heat Pump
AHRI Reference No.:	7995113
Capacity:	28000
Efficiency:	14 SEER

Heating

System Type:	Air Source Heat Pump
Model:	GSZ140301K*
Tradename:	GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR CONDITIONING AND HEATING, ENERGI AIR, FRANKLIN
Manufacturer:	GOODMAN MANUFACTURING CO., LP.
Description:	Air Source Heat Pump
Capacity:	27800
Efficiency:	8.2 HSPF

FORM R405-2014

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	New Project SANTA FE MODEL	Builder Name:	FLORIDA HOMES
Street:		Permit Office:	
City, State, Zip:	FORT WHITE , FL , 32614	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Gainesville	County::	Columbia (Florida Climate Zone 2)

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	4
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	1600
Conditioned floor area below grade (ft²)	0

7. Windows(101.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.34	101.00 ft²
SHGC:	SHGC=0.21	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		1.500 ft.
Area Weighted Average SHGC:		0.210

8. Floor Types (1600.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1600.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1424.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1424.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1650.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=38.0	1600.00 ft²
b. Knee Wall (Vented)	R=19.0	50.00 ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Main	6	190

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	28.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	27.8	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 40 gallons EF: 0.960
b. Conservation features None	

15. Credits Pstat

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

Glass/Floor Area: 0.063

Total Proposed Modified Loads: 42.78

Total Baseline Loads: 44.11

PASS

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

PREPARED BY: Mark Haughtelin

DATE: 8-1-17

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

OWNER/AGENT: Wm Carl Hyatt

DATE: 8/1/17

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

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.2.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and an envelope leakage test report in accordance with R402.4.1.2.

FORM R405-2014

PROJECT

Title:	New Project SANTA FE MO	Bedrooms:	4	Address Type:	Street Address
Building Type:	User	Conditioned Area:	1600	Lot #	
Owner:		Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	FLORIDA HOMES	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	FORT WHITE , FL , 32614
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1600	12800

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1600	12800	Yes	1	4	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	178 ft		1600 ft²	----	0.2	0.2	0.6

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	1733 ft²	0 ft²	Medium	0.96	No	0.9	No	0	22.6

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1600 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Blown	1600 ft²	0.11	Wood
_____	2	Knee Wall (Vented)	Main	19	Blown	50 ft²	0.11	Wood

FORM R405-2014

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
___	1	W	Exterior	Frame - Wood	Main	13	64	0	8	0	512.0 ft²		0.23	0.55	0
___	2	S	Exterior	Frame - Wood	Main	13	25	0	8	0	200.0 ft²		0.23	0.55	0
___	3	E	Exterior	Frame - Wood	Main	13	64	0	8	0	512.0 ft²		0.23	0.55	0
___	4	N	Exterior	Frame - Wood	Main	13	25	0	8	0	200.0 ft²		0.23	0.55	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
___	1	W	Insulated	Main	None	.46	3		6	8	20 ft²
___	2	E	Insulated	Main	None	.46	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
___	1	W	1	Vinyl	Low-E Double	Yes	0.34	0.21	32.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None
___	2	W	1	Vinyl	Low-E Double	Yes	0.34	0.21	45.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None
___	3	E	3	Vinyl	Low-E Double	Yes	0.34	0.21	15.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None
___	4	E	3	Vinyl	Low-E Double	Yes	0.34	0.21	9.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000254	1066.7	58.56	110.13	.1957	5

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
___	1	Electric Heat Pump	Split	HSPF:8.2	27.8 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
___	1	Central Unit	Split	SEER: 14	28 kBtu/hr	840 cfm	0.82	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
___	1	Electric	None	Main	0.96	40 gal	70 gal	120 deg	None

FORM R405-2014

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
_____	1	Attic	6	190 ft²	Attic	80 ft²	Default Leakage	Main	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

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

Thermostat Schedule: HERS 2006 Reference

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

FORM R405-2014

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 97

The lower the EnergyPerformance Index, the more efficient the home.

, FORT WHITE, FL, 32614

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		4
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		1600
7. Windows**	Description	Area
a. U-Factor:	Dbl, U=0.34	101.00 ft²
SHGC:	SHGC=0.21	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		1.500 ft.
Area Weighted Average SHGC:		0.210

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1600.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1424.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=38.0	1600.00 ft²
b. Knee Wall (Vented)	R=19.0	50.00 ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Main	6	190

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	28.0	SEER:14.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	27.8	HSPF:8.20

14. Hot water systems	
a. Electric	Cap: 40 gallons
	EF: 0.96
b. Conservation features	
None	
15. Credits	Pstat

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

Builder Signature: Wm Carl Hyatt Date: 8/1/17

Address of New Home: 398 SW Heflin Avenue City/FL Zip: Fort White, FL 32038

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

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

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	Plastpro	Fiberglass ext door	17347.9
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER	Plastpro	ext french doors	FI 15213.12
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	MI windows	single hung vinyl 3540	FI17676
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Hardi-planks	FI13192-R4
B. SOFFITS	Kaycan	Vinyl Soffit	FI12198-R4
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Gulf Coast Supply	aluminum 5 v crimp	FI-11651-R2
B. NON-STRUCTURAL METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCTURAL 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.

_____

Contractor OR Agent Signature Date

NOTES: _____

_____

_____

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 30-7S-17-10058-591 **Building permit No.** 000035935

Use Classification SFD/UTILITY **Fire:** 128.31

Permit Holder WILLIAM CARL HERRING,III. **Waste:** 112.63

Owner of Building BRIAN LAVIN & JENNIFER STECK **Total:** 240.94

Location: 398 SW HELFIN AVE, FT WHITE, FL 32038

Date: 03/14/2018

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

CERTIFICATE OF OCCUPANCY

ISSUED BY COLUMBIA COUNTY, FLORIDA

BUILDING PERMIT NUMBER:
000035935

CONTRACTOR:
WILLIAM CARL HERRING,III.

CGC052062

JOB ADDRESS:
BRIAN LAVIN & JENNIFER STECK
398 SW HEFLIN AVENUE
FT. WHITE, FL 32038
30-7S-17-10058-591

This certificate is issued in compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.

Type of development:	**New Residential Construction**
Building to be occupied as:	**SFD/UTILITY**
Occupancy Type:	**NA**
Construction Type:	**NA**
Building Code Used:	**Florida Building Code 2017 6th Edition & 2014 National Electrical Code**
Sprinkler:	**NA**
Occupant Load:	**NA**
Notes:	**1 FOOT ABOVE ROAD.(*50' SETBACKS ON ALL SIDES)** **NOC REC'D.**

March 14, 2018

AUTHORIZING SIGNATURE: TOMMY MATTHEWS **DATE SIGNED**