Columbia County New Building Permit Application MARVEY-W.CARO
For Office Use Only Application # 905-69 Date Received 56 By Permit # 32 2 1 4
Zoning Official 7.C./CH Date 6-5-19 Flood Zone X Land Use AG Zoning A-3
FEMA Map # N/A Elevation N/A MFE Above River N/A Plans Examiner 1.C Date 6-5-19
Comments Floor 1' Above Rd. First 30' Sides, 25' Bear 25'
PNOC DEH Deed or PA Deed or PA Site Plan - State Road Info Well-letter 1911 Sheet - Parent Parcel #
Dev Permit # In Floodway Letter of Auth. from Contractor F W Comp. letter W Lbdgs Du
□ Owner Builder Disclosure Statement
Septic Permit No. 19-0384 OR City Water Fax
Applicant (Who will sign/pickup the permit) Gradel Harry Phone 352-258-905
Address a +0 BOX 526 NEWBERRY, 71 32669
Owners Name Kim Sargent & Robert Stand Phone 352-346-\$967
1911 Address 21910 (K 18 Fort White F1 32038
Contractors Name Gerald Harwy Phone 352-258-9051
Address PO Box 524: Newberry, Fi 374669
Contractor Email Naturibuiding Gmarl. Com ***Include to get updates on this job.
Fee Simple Owner Name & Address
Bonding Co. Name & Address
*Architect/Engineer Name & Address DONALD A. DANSKER, AR 2421 49 M AVE
Mortgage Lenders Name & Address NA (4) 16, JC 5665
Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Duke Energy
Property ID Number 30-65-17-09807-105 Estimated Construction Cost 189,900
Subdivision Name Meadows of Tuskenooge Lot 5 Block Unit Phase 5112
Driving Directions from a Major Road Non NE. Hernando Ave, tin 6 onto NE
Madison St. tura (4) @ the 1st Cross street onto 1)5441 SM (Marion Aue)
turn @ onto US415/US4415, turn @ onto Sw Tustenugger Ave, turn @ onto Sw Fellowshup St
Construction of New Nowe Commercial OR X Residential
Proposed Use/Occupancy <u>residented</u> Number of Existing Dwellings on Property
Is the Building Fire Sprinkled? 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 235' Side 123' Side 123' Rear 453'
Number of Stories Heated Floor Area 1623 Total Floor Area 1995 Acreage 5.01
Zoning Applications applied for (Site & Development Plan, Special Exception, etc.)

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.

Print Owners Name

Owners Signature

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

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

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

s Signature

Contractor's License Number CRC 058134 Columbia County

Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this

or Produced Identification

SEAL:

MY COMMISSION # GG 179853 EXPIRES: March 10, 2022 **Bonded Thru Notary Public Underwriters**

THERESA E. YANCEY

State of Florida Notary Signature (For the Contractor)

Number: 201312001238 Book: 1248 Page: 1287 Date: 1/25/2013 Time: 12:19:35 PM Page 1 Deed: 420.00 P.DeWitt Cason Clerk of Courts, Columbia County, Florida

Prepared by and return to: Ashley M. Taylor

Haile Title Company, LLC 4715 NW 53rd Avenue Suite C Gainesville, FL 32653 352-371-6264 File Number: 13-011

Inst 201312001238 Date 1/25/2013 Time 12:19 PM Doc Stamp-Deed 420 00 DC, P. DeWitt Cason, Columbia County Page 1 of 2 B 1248 P 1287

Will Call No.: ASHLEY

[Space Above This Line For Recording Data]

Warranty Deed

This Warranty Deed made this 22nd day of January, 2013 between David S. Rowett, a married man whose post office address is 11405 NW 129th Terrace, Alachua, FL 32615, grantor, and Kim Sargent, a single woman and Robert Staab, a single man whose post office address is 3430 Webber Street, Sarasota, FL 34239, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land,

Lot 5 of THE MEADOWS OF TUSKENOOGEE SUBDIVISION, according to the Plat thereof as recorded in Plat Book 6, Page 203, of the Public Records of Columbia County, Florida. Parcel Identification Number: 30S17-09807-105

Subject to taxes for 2013 and subsequent years; covenants, conditions, restrictions, easements, reservations and limitations of record, if any.

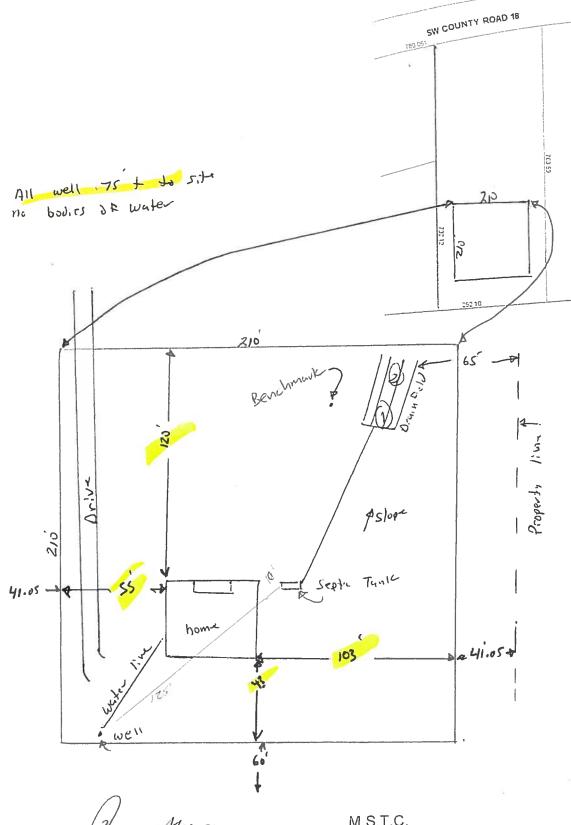
Grantor warrants that at the time of this conveyance, the subject property is not the Grantor's homestead within the meaning set forth in the constitution of the state of Florida, nor is it contiguous

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 grantor mas good right only favor authority to sent and convey said faild; that the grantor nereby fully warrants me 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, 2012.

NA

Scale 1 inch = so feet



Site Plan submitted by	Clon Man	M.S.T.C.
Plan Approved	Not Approved	Date
By		County Health Department

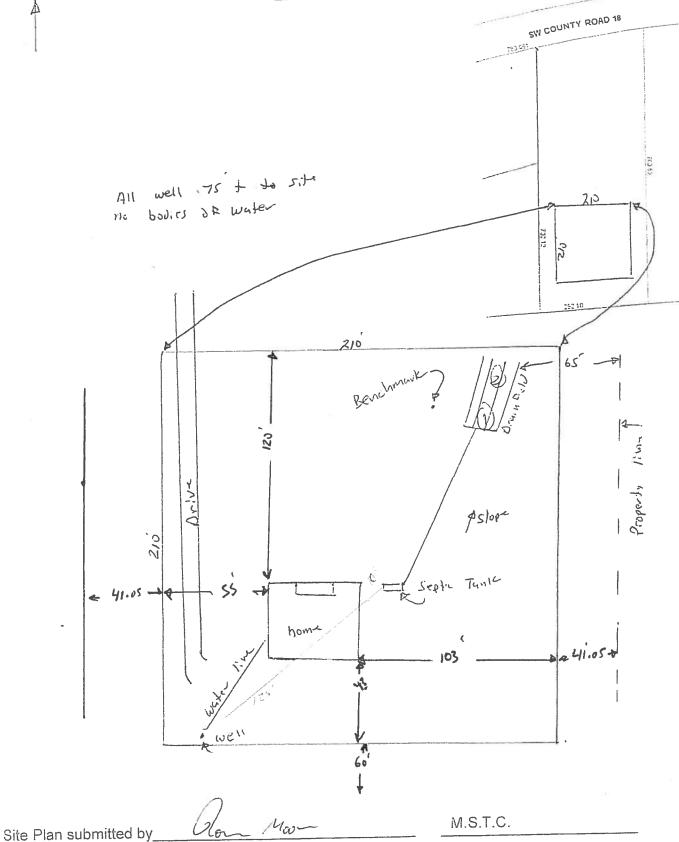
STATE OF FLORIDA **DEPARTMENT OF HEALTH** APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 19-0384

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Plan Approved_

Scale 1 inch = 50 feet



Not Approved

Date_

County Health Department

Columbia County Property Appraiser

Jeff Hampton

Site

Parcel: << 30-6S-17-09807-105 >>

Owner & Property Info Result: 1 of 1 **SARGENT KIM & ROBERT STAAB** Owner 2196 SW COUNTY ROAD 18 FT WHITE, FL 320383834 2196 COUNTY RD 18, FT WHITE LOT 5 THE MEADOWS OF TUSKENOOGEE S/D. Description* ORB 875-2358, 938-1727,963-1492,WD 1071-2200 WD 1144-506,WD 1248-1287 29-6S-17E S/T/R Area Use Code** MISC RES (000700) Tax District

*The Description above is not to be used as the Legal Description for this parcel

in any legal transaction.

**The <u>Use Code</u> is a FL Dept. of Revenue (DOR) code and is not maintained by the Property Appraiser's office. Please contact your city or county Planning & Zoning office for specific zoning information.

Property & Assessment Values

2018 Cert	ified Values	2019 Wor	king Values
Mkt Land (3)	\$32,000	Mkt Land (3)	\$33,250
Ag Land (0)	\$0	Ag Land (0)	\$0
Building (0)	\$0	Building (0)	\$0
XFOB (4)	\$10,470	XFOB (4)	\$10,470
Just	\$42,470	Just	\$43,720
Class	\$0	Class	\$0
Appraised	\$42,470	Appraised	\$43,720
SOH Cap [?]	\$0	SOH Cap [?]	\$0
Assessed	\$42,470	Assessed	\$43,720
Exempt	\$0	Exempt	\$0
Total	county:\$40,807	Total	county:\$43,720 city:\$43,720
Taxable	other:\$40,807 school:\$42,470		other:\$43,720 school:\$43,720



Aerial Viewer	Pictometery	Google	Maps		
2019 2019	16 2013	2010	2007	2005	Sales
+		1	03		
SWELIM	CHURCH RD		9 <u>2</u>	, in	vicount
			THE TENNIGGE	7	
			ING.		
		/3.			
			J ?		

Sale Date	Sale Price	Book/Page	Deed	V/I	Quality (Codes)	RCode
1/22/2013	\$60,000	1248/1287	WD	V	U	40
2/26/2008	\$47,500	1144/0506	WD	V	Q	
10/7/2005	\$100	1071/2200	QC	V	U	01
9/27/2002	\$31,500	963/1492	WD	V	Q	
10/23/2001	\$0	938/1727	QC	V	U	01
3/4/1999	\$27,900	875/2358	WD	V	Q	

▼ Building Chara	cteristics					
Bldg Sketch	Bldg Item	Bldg Desc*	Year Blt	Base SF	Actual SF	Bldg Value
			NONE			

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0020	BARN,FR	2013	\$4,720.00	1.000	0 x 0 x 0	(000.00)
0166	CONC,PAVMT	2013	\$200.00	1.000	0 x 0 x 0	(000.00)
0030	BARN,MT	2013	\$4,500.00	450.000	18 x 25 x 0	(000.00)

SUBCONTRACTOR VERIFICATION

APPLICATION/PERMIT # 1905-69 JOB NAME Sangent

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 <u>REQUIRED</u> 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.

	0.00	<u>Need</u>
ELECTRICAL	Print Name Han Bele / R Signature Man Samuelle	⊡ Lic ⊡ Liab
V	Company Name: RRT Flectric	□ w/c
cc#_811	License #: EC 1300-4236 Phone #: 353-514 - 3882	□ EX
		DE DE
MECHANICAL/	Print Name Solor Tolond Signature Voter Worker	Lic
A/C	Company Name: Bounds Heating + Itis	□ Liab □ W/C
		⊡ EX
cc# 768		□ DE
PLUMBING/	Print Name hour - Wound Signature Warne Andrew	<u>Need</u> Lic
GAS	Company Name: Notice Plumbing Sustems	□ Liab □ W/C
cc# 578	License #: 0 F 0 /416382 Phone #: 352-538-9647	⊕ EX
CC#		□ DE
ROOFING	Print Name Dava JOHNSON Signature Wava Mahyaon	<u>Need</u> □ Lic
	Company Name: Mac Johnson Boofing	□ Liab
1120	License #: CCC L325497 Phone #: 352-339 - 0946	□ W/C □ EX
CC# [[2]		
	License #:	□ DE
SHEET METAL	Print NameSignature	□ DE Need □ Lic
	Print NameSignature	<u>Need</u> □ Lic □ Liab
SHEET METAL	Print NameSignature Company Name:	<u>Need</u> □ Lic
	Print NameSignature	Need Lic Liab W/C EX DE
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SHEET METAL CC# FIRE SYSTEM/ SPRINKLER CC# SOLAR CC# STATE	Print Name Signature Company Name: Phone #: License #: Phone #: Print Name Signature Company Name: Phone #: Print Name Signature Company Name: Phone #: License #: Phone #: Print Name Signature	Need
SHEET METAL CC# FIRE SYSTEM/ SPRINKLER CC# SOLAR CC#	Print Name	Need

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

30-65 14-0680105

Clerk's Office Stamp

Inst: 201912011605 Date: 05/21/2019 Time: 11:01AM Page 1 of 1 B: 1384 P: 2729, P.DeWitt Cason, Clerk of Court

Columbia, County, By: LK

Deputy Clerk

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

1 L = The March - CTul Sin
1. Description of property (legal description): LOT 5 INC IIII ACIDNIS OF 105 PENOODIC, SID.
1. Description of property (legal description): Let 5 The Meaclows of Tuskenoosee 510. a) Street (job) Address: 2196 Sw County Hood 18 Fort White A 32038 2. General description of improvements: Simple Family Home
3. Owner Information or Lessee information if the Lessee contracted for the improvements: a) Name and address: 11M + Nobert Surgent, 2196 5W County Road 18, Fort Whitz, FL 3203 b) Name and address of fee simple titleholder (if other than owner) c) Interest in property
4. Contractor Information
4. Contractor Information a) Name and address: Tayoud Harvey Harvey Blog + Const. PO Box 526, Newberry FL 3266 b) Telephone No.: 352-258-9051
5. Surety Information (if applicable, a copy of the payment bond is attached):
a) Name and address:
b) Amount of Bond:
c) Telephone No.:
6. Lender
a) Name and address:
b) Phone No
7. Person within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section
713.13(1)(a)7., Florida Statutes:
a) Name and address:
b) Telephone No.:
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(I)(b), Florida Statutes:
a) Name:OF
b) Telephone No.:
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified):
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CÂN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.
STATE OF FLORIDA
COUNTY OF COLLIMBIA
Signature of Owner or Lessee, or Owner or Lessee's Authorized Office/Director/Partner/Manager
Viva 4 Contract
RIM T. OUGEN
Printed Name and Signatory Title/Office
The foregoing instrument was acknowledged before me, a Florida Notary, this 20 day of May 20 19 by:
KIM Y CARRENT as for Selt
(Name of Person) (Type of Authority) for 50 to (name of party on behalf of whom instrument was executed)
(148) (Control of Control of Cont
Personally KnownOR Produced Identification Type
1 la a Maria
Notary Signature Notary Stamp or Seal: Notary Signature Notary Stamp or Seal: DANAY HARVEY MY COMMISSION # GG 152314 EXPIRES: February 17, 2022 Bended Thru Notary Public Underwriters
Bonded Intrinced / Assessment

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



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Address Assignment and Maintenance Document

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

Date/Time Issued:

9/27/2016 3:14:52 PM

Address:

2196 SW COUNTY ROAD 18

City:

FORT WHITE

State:

FL

Zip Code

32038

Parcel ID

09807-105

REMARKS: Address Verification.

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

Address Issued By:

Signed:/ Matt Crews

Columbia County GIS/911 Addressing Coordinator

COLUMBIA COUNTY
911 ADDRESSING / GIS DEPARTMENT

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



THE MEADOWS OF TUSKENOOGEE

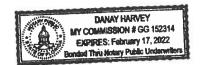
ADOPTION AND D FIGT OF ROSTHUSOF AS HE ASSTRAGET 1/S STATE OF FLOR OF MURTIESST THE OF SOUTHESST PUBLIC WORKS I COLUMBIA COUN HEREST CERTIFY THAT THE IMPROVEMENT ATTERNATIONS OF SHAPE WITH COUNTY SPECIFICATIONS OF SHAPE WAS POST. ar 117 APPROVED BY BO COMMISSIONERS, THE PLAT OF HEREBY APPROVED BY THE BAST LINE EP 5647 Ph 29 THE STATE OF THE S \$ \$1'52 48 w 103 17 \$ \$1'52 48 w 43124 POINT OF REFERENCE CEI - 1- tien 2. 932 HERE AC NORTHWEST 1/4 OF NORTHWEST 1/4 HURTHEAST 1/4 OF HORTHEAST 1/4 LEGEND AND NOTES DENOTES PERMANENT CONTROL POINT (PCP)
DENOTES PERMANENT REFERENCE MONUMENT (PRM 1) CLASURE RECERDS 1 10.000 2) BRANCHES BASED ON THE BOUTH LINE OF SAID SECTION 29 2 8844-82 B 2) FOR SECTION BLEAKDORN SEE 708 FILE, THIS OFFICE 4) CONCRETE MONUMENTS SET ON ALL CORNERS 8) OF THEF EXIST. NO UNDERGOODED ENGROACHMENTS AND OR WILLIES LOCATED OF THE STRIP! GRAPHIC SCALE *) PERMONARY APPROVAL DATE MARCH 5 1850 14506 - 5687 - School and 5687 = <u>f</u> = <u>f</u> = <u>f</u> = . DENOTES DO CTILIT BASEMENT AS SHOWN PASSEMENTS SHOWN REASON FOR CTILITIES SHALL ALSO BE EASEMENTS FOR THE CONTENTION, INSTALLATION MAINTENANCE AND DEPRATOR OF CABLE SELECTION SERVICES. VICIHITY NOTICE: THEN MATER ADDITIONAL RESTRICTIONS THAN ARE NOT RESORDED ON THE PLET THEN MATER FOUND IN THE PUBLIC ARCORDS OF THIS COUNTY HAT TO SEALE

STATE OF FLORIDA COUNTY OF COLUMBIA

LAND OWNER AFFIDAVIT

V.C. I P. I LCI II
This is to certify that I, (We), KIM Sargent + Robert Stabb,
as the owner of the below described property:
Property tax Parcel ID number 30-6517-0680105
Subdivision (Name, lot, Block, Phase) Lot 5 The Meadows of Tiskenoger 50
Subdivision (Name, lot, Block, Phase) Lot 5 The Meadows of Tuske noces Sport Give my permission for KIM SAUGENT EROSEN Stands to place a
Circle one - Mobile Home / Travel Trailer / Utility Pole Only / Single Family Home / Barn - Shed - Garage / Culvert / Other
I (We) understand that the named person(s) above will be allowed to receive a building permit on the property number I (we) have listed above and this could result in an assessment for solid waste and fire protection services levied on this property.
Owner Signature Date Date
Owner Signature Date
Owner Signature Date
Sworn to and subscribed before me this day of, 20_19. This (These) person(s) are personally known to me or produced ID
Notary Public Signature (Type) Notary Printed Name (Type)

Notary Stamp/





COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

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

		Items to Include-
		Each Box shall be
	GENERAL REQUIREMENTS:	Marked as
	APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Applicable
		Select From the Dropbox
1	Two (2) complete sets of plans containing the following:	-
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	-
3	Condition space (Sq. Ft.) / 1023 Total (Sq. Ft.) under roof	YES NO N/A
be Si	signers name and signature shall be on all documents and a licensed architect or engineer, signature an affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101. te Plan information including:	nd official embossed seal shall 2.1
4	Dimensions of lot or parcel of land	- 1/
5	Dimensions of all building set backs	- V
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed	
	well and septic tank and all utility easements.	
7	Provide a full legal description of property.	- /
W	ind-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
0	Di 16 1	YES NO N/A
8	Plans or specifications must show compliance with FBCR Chapter 3	Select From the Dropbox
9	Basic wind speed (3-second gust), miles per hour	Select From the Dropbox
10	(Wind exposure – if more than one wind exposure	
10	is used, the wind exposure and applicable wind direction shall be indicated)	
	Wind importance factor and nature of occupancy	
11	wind importance factor and nature of occupancy	-
	The applicable internal pressure coefficient, Components and Cladding	-
11	The applicable internal pressure coefficient, Components and Cladding The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component,	[- -
	The applicable internal pressure coefficient, Components and Cladding	-
12	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including:	- - -
12 13	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including:	-
12	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including: All side views of the structure Roof pitch	- - - -
12 13 Ele 14	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including: All side views of the structure Roof pitch Overhang dimensions and detail with attic ventilation	
12 13 Ele 14 15	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including: All side views of the structure Roof pitch Overhang dimensions and detail with attic ventilation Location, size and height above roof of chimneys	
12 13 Ele 14 15 16	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including: All side views of the structure Roof pitch Overhang dimensions and detail with attic ventilation Location, size and height above roof of chimneys	
12 13 Ele 14 15 16 17	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including: All side views of the structure Roof pitch Overhang dimensions and detail with attic ventilation Location, size and height above roof of chimneys Location and size of skylights with Florida Product Approval	
12 13 Ele 14 15 16 17 18	The applicable internal pressure coefficient, Components and Cladding 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. evations Drawing including: All side views of the structure Roof pitch Overhang dimensions and detail with attic ventilation Location, size and height above roof of chimneys Location and size of skylights with Florida Product Approval Number of stories	

וקד	oon Dlan including	/
FI	Dimensioned area plan shouling areas attached areas have been also below the state of the state	-//
20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	- 1
21		
	Raised floor surfaces located more than 30 inches above the floor or grade	- //
22	All exterior and interior shear walls indicated	- 0
23	Shear wall opening shown (Windows, Doors and Garage doors)	- V
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	
2.5	inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	
25	Safety glazing of glass where needed	<u>- v</u>
	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth	
26	(see chapter 10 and chapter 24 of FBCR)	
27		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	
20	Identify accordingly of the Control	
28	Identify accessibility of bathroom (see FBCR SECTION 320)	- /
All	materials placed within opening or onto/into exterior walls, soffits or roofs shall	have Florida produc
ap)	proval number and mfg. installation information submitted with the plans (see F	iorida product appro
TOL	m)	
	GENERAL REQUIREMENTS:	Items to Include-
	APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Each Box shall be
	DOING ON THE STATE OF THE STATE	Marked as
		Applicable
FR	CR 403: Foundation Plans	YES / NO / N/A
12	511 405. I buildation I lans	Select From the Dropbox
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size	Select Promothe Dropbox
	and type of reinforcing.	- <i>P</i>
30	All posts and/or column footing including size and reinforcing	- 1/
31	Any special support required by soil analysis such as piling.	
-	Any special support required by son analysis such as printe.	
32 H		- "
	Assumed load-bearing valve of soil Pound Per Square Foot	-
	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure	es
	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur with foundation which establish new electrical utility companies service connection a Concrete	es
	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structure	es
	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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.	es
33	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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.	es
FBC	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	es
FBC	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	es -
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FBC 34 35	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES	es
7B(64)	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or	es
FB0	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES	es
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7B(4) 5 6	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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	es
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FB(644 65 66 7	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type	es
FB(64 55 56 57 58 58 58 58 58 58 58	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	
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FBC 335 FBC 37	Assumed load-bearing valve of soil Pound Per Square Foot Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structur 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 CR 506: CONCRETE SLAB ON GRADE Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports CR 318: PROTECTION AGAINST TERMITES 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 CR 606: Masonry Walls and Stem walls (load bearing & shear Walls) Show all materials making up walls, wall height, and Block size, mortar type Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	

	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls,	
4		<u> </u>
4	The state of the s	
4	J	-
4.		
4		-
4:		-
4		-
4	The state of a manager and a space?	-
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &	
48		
49		-
50		_
51	Provide live and dead load rating of floor framing systems (psf).	
F	BCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION	YES / NO / N/A
	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Marked as Applicable
52	Stud type grade gize well height and as well. Stud type grade gize well height and as well.	Select From the Bropbox
53	The state of spaceting for all load ocurring of Stical Walls	- 1/
33	The state of the s	- /
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	-
	Show all required connectors with a max uplift rating and required number of connectors and	
55	oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	
56	5 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- //
57		- //
	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural	
58	panel sheathing edges & intermediate areas	
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	-
	BCR :ROOF SYSTEMS:	//
60	Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses	- V
61	The state of the s	- V//
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	- //
63		1//
04	Provide dead load rating of trusses	-
F	BCR 802:Conventional Roof Framing Layout	
	Rafter and ridge beams sizes, span, species and spacing	- 1///
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	- V//
67	Valley framing and support details	- //
08	Provide dead load rating of rafter system	- 1/
	BCR 803 ROOF SHEATHING	
69	Include all materials which will make up the roof decking, identification of structural panel	
=0	sheathing, grade, thickness	
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	
RO	OF ASSEMBLIES FRC Chapter 9	1
71	The state of the s	-
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	- 6

FBCR Chapter 11 Energy Efficiency Code for residential building

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

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	- //
74	Attic space	- /
75	Exterior wall cavity	- 1/
76	Crawl space	-
н	VAC information	
77	Submit two copies of a Manual J sizing equipment or equivalent computation study	- ~/
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or	
/0	20 cfm continuous required	
79	Show clothes dryer route and total run of exhaust duct	- 0
/9	Show clothes dryer route and total run of exhaust duct	
DΙι	ımbing Fixture layout shown	
80	All fixtures waste water lines shall be shown on the foundation plan	- 7
81	Show the location of water heater	- 0
01	Show the location of water heater	
Pr	ivate Potable Water 17 EXTERIA	$\sim q$
82	Pump motor horse power	/-
83	Reservoir pressure tank gallon capacity	-
84	Rating of cycle stop valve if used	
Ele	ectrical layout shown including	
85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected	- 1/
	by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	
87	Show the location of smoke detectors & Carbon monoxide detectors	-
88	Show service panel, sub-panel, location(s) and total ampere ratings	- 1
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	
90	Appliances and HVAC equipment and disconnects	
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.	

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

<u> </u>	E POLILO WING TIEMS WIGST DE SONAIT 122	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.	NO		
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	NO	· -	1
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.	NO	<u> </u>	
भे भे भे	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	NO	,	
96	City of Lake City A City Water and/or Sewer letter. Call 386-752-2031	NO		
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	NO		
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.	NO		
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.	NO	1	<u> </u>

TOILET FACILITIES SHALL BE PROVIDED FOR ALL CONSTRUCTION SITES. NO

<u>Disclosure Statement for Owner Builders</u> 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.

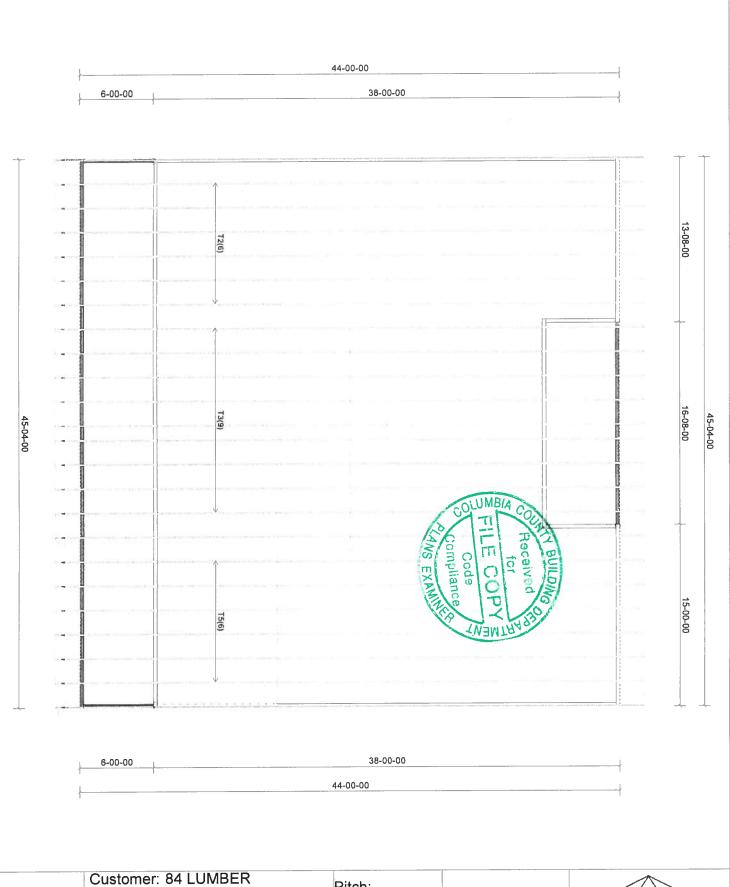
PRODUCT APPROVAL SPECIFICATION SHEET

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.

number for any of the applicategory/Subcategory	Manufacturer	Product Description	AA-mara laboration
1. EXTERIOR DOORS		Product Description	Approval Number(s)
A. SWINGING	Plaston		
B. SLIDING	Plastoro	Fiburglass abor	IFL 1/2347-9
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	+ M T	1,7,4,7	
B. HORIZONTAL SLIDER		Winy/ Window	F1 176761
C. CASEMENT	-	/	
D. DOUBLE HUNG		•	
E. FIXED			
F. AWNING			
		-	
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	(10.00 010 17	10:00	
B. SOFFITS	Cem plant	Primed hard; Board	F1.13192.R
C. EIFS	FEIN	HLUMINUM SOLFIT	F1 12019
D. STOREFRONTS			
E. CURTAIN WALLS	·		
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. UNDERLAYMENTS	17:11 =00		
C. ROOFING FASTENERS	Trinity ERD	Rhino Underlayment	22492-R
D. NON-STRUCTURAL	· · · · · · · · · · · · · · · · · · ·	1 1 2 1	
METAL ROOFING	Tri County Metal		1110-11101
	Tri County Metal	Ultra Rib Kinh Panel	45951624
E. WOOD SHINGLES AND			
SHAKES			
. ROOFING TILES			
3. ROOFING INSULATION			
I. WATERPROOFING			
BUILT UP ROOFING			
ROOF SYSTEMS			,
. MODIFIED BITUMEN			
C. SINGLE PLY ROOF			
SYSTEMS			
ROOFING SLATE			
M. CEMENTS-ADHESIVES			
COATINGS			
CONTINGS			

ROOF SYSTEMS	Ĩ	Ĭ	
O. ROUF TILE ADHESIVE			5
D CODAY ADDI ISO			
P. SPRAY APPLIED			
POLYURETHANE ROO	F		
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
S. STIERS			
6. SKYLIGHTS			
A. SKYLIGHT		•	
B. OTHER			
B. OTHER			
7 270110711-			
7. STRUCTURAL			
COMPONENTS			
A. WOOD CONNECTORS/	Simpson	-Raffer Ties HIII	
ANCHORS	Simoson	1701	F1 474.109
B. TRUSS PLATES	Simpson	Flot Straps -MSTA24	F1 190157
C. ENGINEERED LUMBER	12501	Top plate Can - SPH4	El 220
D. RAILING			FI 538
E. COOLERS-FREEZERS			
F. CONCRETE			
ADMIXTURES			
G. MATERIAL		· ·	1
H. INSULATION FORMS	18:00001		
I. PLASTICS	Simpson	Kalterties 1+251+	
J. DECK-ROOF		0	F13035
K. WALL			
L. SHEDS			
M. OTHER Links			
	Simpson	Bottom Mount 17.B2 42	
3. NEW EXTERIOR		17.51.142	F147421
ENVELOPE PRODUCTS			
4.			
3.			
he products listed below did as		roval at plan review. I understand that at the timinspector on the jobsite; 1) copy of the product	
roducts, the following informer:	it demonstrate product appr	roval at plan review. I understand that at it.	
haracteristics which the produce	on must be available to the	inspector on the jobsite: 1) convertible at the time	ne of inspection of these
Quirements Further Lundards	t was tested and certified to	roval at plan review. I understand that at the timinspector on the jobsite; 1) copy of the product occupily with, 3) copy of the applicable manufacture.	approval, 2) the performance
a di trier, i unidersta	and these products may hav	inspector on the jobsite; 1) copy of the product ocomply with, 3) copy of the applicable manufacte to be removed if approval cappet he demand	cturers installation
	•	comply with, 3) copy of the applicable manufactive to be removed if approval cannot be demonst	trated during inspection.
		10	
		11 20	
		TI. IN @ 1/4.	
	/	Will a Milling	•
	./-	CAPPLICANT SIGNATURE	
		ONLY SIGNATORE	DATE



JOB NO. S0630

Description: SARGENT / SKIP

HARVEY

Designer: Jack Duley

Pitch: ---

Overhang: ---

PRODUCT APPROVAL NUMBER FL 2197.4 MT20 PLATES MITEK INDUSTRIES, INC.





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

RE: S0630 - SARGENT / SKIP HARVEY

MiTek USA, Inc.

Site Information:

6904 Parke East Blvd. Tampa, FL 33610-4115

Customer Info: 84 LUMBER - SARGENT / SKIP HARVEY Project Name: - Model:

Lot/Block: -

Subdivision: -

Address: -, -

State: FL

City: -

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: FRC2017/TPI2014

Design Program: MiTek 20/20 8.2

Wind Code: ASCE 7-10

Wind Speed: 140 mph

Roof Load: 37.0 psf

Floor Load: N/A psf

This package includes 5 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	T17063699	T1	5/15/19
2	T17063700	T2	5/15/19
3	T17063701	T3	5/15/19
4	T17063702	T4	5/15/19
5	T17063703	T5	5/15/19



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

Truss Design Engineer's Name: Albani, Thomas My license renewal date for the state of Florida is February 28, 2021.

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

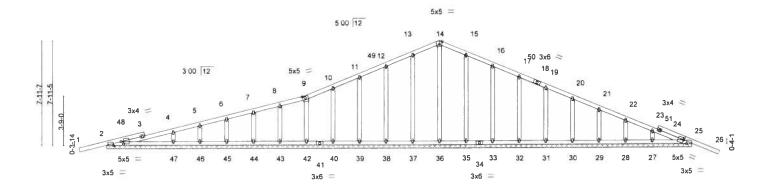


Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

May 15,2019

Job		Truss		Truss Type		Qty	Ply	SARGENT / SKIP HARVEY	
									T17063699
S0630		T1		Roof Special Supported Gable		2	1		
								Job Reference (optional)	
Duley Truss	Dunnello	r. FL - 34430				8.2	20 s Nov 1	6 2018 MiTek Industries, Inc. We	ed May 15 06 42 29 2019 Page 1
2010, 11000				ID zvWsmP	nxHU3JA	S7Rf99KQ	DzGL07-NpQvfpzP2k?CcX3GxG	QjJqLDBa9SpoVHTvING9zGKIO	
	-2-0-0		14-10-14		25-0-0			44-0-0	46-0-0
	2-0-0		14-10-14		10-1-2			19-0-0	2-0-0

Scale = 1 82 5



					44-0-0									
					44-0-0									
Plate Off	sets (X,Y)	[2:0-2-4,0-2-0], [2:0-6-12,	2·0·2-4,0·2-0], [2·0·6-12,Edge], [9·0·2-8,0-1-8], [14:0·2-4,Edge], [25:0·0·4,0·1-12], [25:0·2-13,Edge]											
LOADIN	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP				
TCLL	20.0	Plate Grip DOL	1.25	TC 0.42	Vert(LL) -0.0		n/r	120	MT20	244/190				
TCDL	7.0	Lumber DOL	1.25	BC 0.16	Vert(CT) -0.0	26	n/r	120						
BCLL	0.0 *	Rep Stress Incr	YES	WB 0.19	Horz(CT) 0.0	11 25	n/a	n/a						
BCDL	10.0	Code FRC2017/TI	PI2014	Matrix-S					Weight: 251 lb	FT = 20%				

BRACING-

TOP CHORD BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2D

BOT CHORD 2x4 SP No.2D

OTHERS 2x4 SP No.3

> All bearings 44-0-0. (lb) - Max Horz 2=214(LC 11)

Max Uplift All uplift 100 lb or less at joint(s) 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 35, 33, 32, 31, 30, 29

28, 27 except 2=-211(LC 12), 25=-207(LC 12)

All reactions 250 lb or less at joint(s) 36, 37, 38, 39, 40, 42, 43, 44, 45, 46, 35, 33, 32, 31, 30, 29, 28, 27 except 2=293(LC 1), 47=319(LC 1), 25=251(LC 22)

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

10-11=-90/251, 11-12=-85/310, 12-13=-106/373, 13-14=-127/428, 14-15=-127/436,

15-16=-106/379, 16-17=-85/317, 17-19=-64/257

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=44ft; eave=2ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Comer(3) -2-0-7 to 2-4-6, Exterior(2) 2-4-6 to 25-0-0, Comer(3) 25-0-0 to 29-4-13, Exterior(2) 29-4-13 to 46-0-11 zone, cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown, Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For study exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 4) All plates are 1.5x4 MT20 unless otherwise indicated
- 5) Gable requires continuous bottom chord bearing.
- 6) Gable studs spaced at 2-0-0 oc
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 37, 38, 39, 40, 42, 43, 44, 45, 46, 47, 35, 33, 32, 31, 30, 29, 28, 27 except (jt=lb) 2=211, 25=207.



Structural wood sheathing directly applied or 6-0-0 oc purlins.

П

U

APTMENT

8-0-0 oc bracing.

Rigid ceiling directly applied

S

* EXAMINED

ompliance

Code

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd, Tampa FL 33610 Date

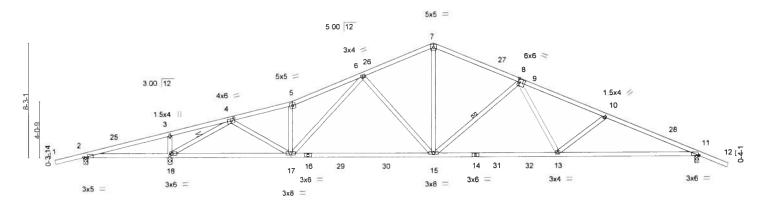
May 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE Design valid for use only with MiTe&O connectors. This design is based only upon parameters with mite the property design parameters and property design parameters and property design parameters and property incorporate this design into the overall building designer must verify the applicability of design parameters and property incorporate this design into the overall building design Bracing indicated is to prevent buckling of individual truss web and/for chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of fusses and furse systems, see ANSI/PHI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314



Job	Truss		Truss Type			Qty	Ply	SARGENT / SKIP HARVEY		
										T17063700
S0630	T2		Roof Special			6	1			
								Job Reference (optional)		
Duley Truss	Dunnellon, FL - 34430							6 2018 MiTek Industries, Inc. We		
					ID zvWs	mPnxHU3.	JAS7Rf99k	(QDzGL07-r?_Hs9z1p173EheSV	zxyr1uMXzJAX8mRiZ\	
-2-0-0	6-1-12	10-6-5	14-10-14	19-11-7	25-0-0	Y	31-1-6	37-2-13	44-0-0	46-0-0
2-0-0	6-1-12	4-4-9	4-4-9	5-0-9	5-0-9		6-1-6	6-1-6	6-9-3	2-0-0

Scale = 1 78 5



	-	6-1-12 6-1-12	14-10-14 8-9-2	25-0			3-10-7 3-10-7		44-0-0 10-1-9	
Plate Offse	ets (X,Y)	[2:0-3-4,Edge], [4:0-2-12	0-1-12], [9:0-0-	0,0-1-12], [9:0-1-0,0-3-0],	[11:0-0-6,0-0-0]	[18:0-1-12,0-1-8	3]		*	100
LOADING TCLL TCDL BCLL	(psf) 20.0 7.0 0.0 *	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC 0,57 BC 0,96 WB 0,63	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) -0.33 15-17 -0.63 15-17 0.09 11	I/defl >999 >724 n/a	L/d 240 180 n/a	PLATES MT20	GRIP 244/190
BCDL	10.0	Code FRC2017/T		Matrix-MS	11012(01)	0.00	11114	,,,_	Weight: 223 lb	FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2D BOT CHORD 2x4 SP No.2D

2x4 SP No.3

WEBS

(lb/size) 2=17/0-3-8, 18=2000/0-3-8, 11=1460/0-3-8

Max Horz 2=222(LC 11)

Max Uplift 2=-152(LC 8), 18=-700(LC 12), 11=-630(LC 12) Max Grav 2=87(LC 21), 18=2000(LC 1), 11=1460(LC 1)

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

2-3=-443/1184, 3-4=-380/1162, 4-5=-2206/933, 5-6=-2358/1074, 6-7=-1745/877, TOP CHORD

7-8=-1759/863, 8-10=-2565/1074, 10-11=-2860/1192

BOT CHORD $2 - 18 = -1108/534, \ 17 - 18 = -471/1368, \ 15 - 17 = -609/1870, \ 13 - 15 = -726/2088, \ 11 - 13 = -985/2605$

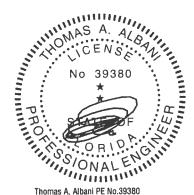
3-18=-330/230, 4-18=-2867/1176, 4-17=-248/911, 5-17=-598/353, 6-17=-140/471, 6-15=-521/363, 7-15=-411/1040, 8-15=-747/427, 8-13=-78/532, 10-13=-384/286

NOTES-

WEBS

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph, TCDL=4.2psf; BCDL=6.0psf; h=25ft, B=45ft; L=44ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-7 to 2-4-6, Interior(1) 2-4-6 to 25-0-0, Exterior(2) 25-0-0 to 29-4-13, Interior(1) 29-4-13 to 46-0-11 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL \approx 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=152, 18=700, 11=630.



Structural wood sheathing directly applied or 3-1-13 oc purlins.

Rigid ceiling directly applied or 2-2-0 oc bracing.

1 Row at midpt

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

May 15,2019

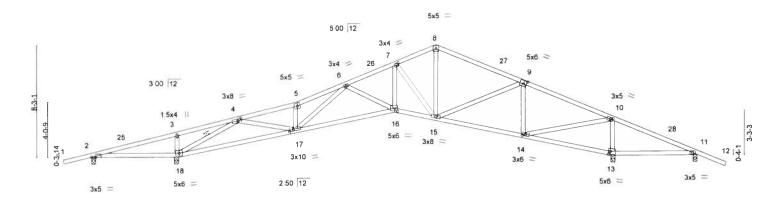
🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE Mil-7473 rev. 10/03/2015 BEFORE USE. Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see

ANSI/TP11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute. 218 N. Lee Street, Suite 312, Alexandria, VA 22314



Job		Truss		Truss Type			Qty	Ply	SARGENT / SKIP HARVEY		
				"			'	'			T17063701
S0630		Т3		Roof Special			9	1			
-				·					Job Reference (optional)		
Duley Truss,	Dunnellon	FL - 34430),				8	220 s Nov 1	16 2018 MiTek Industries, Inc	Wed May 15 06 42 31	2019 Page 1
•						IC	.zvWsmPnxHU3J	AS7Rf99KQI	DzGL07-JCYf3V_gZLFwsrDf3h	SBOFRU8NIMGZxax	DEUK2zGKIM
2-0-0	6-4-	0	10-7-7	, 14-10-14	18-5-7	22-0-0	25-0-0	31-4-0	37-8-0	44-0-0	46-0-0
2-0-0	6-4-	0	4-3-7	4-3-7	3-6-9	3-6-9	3-0-0	6-4-0	6-4-0	6-4-0	2-0-0

Scale = 1 79.8



		6-0-0 6-4-0			22-0-0	25-0-0	31-4-0		37-8-0 6-4-0	38-0-0 0-4-0	44-0-0 6-0-0
Plate Offse	te (Y V)	6-0-0 0-4-0			7-1-2	3-0-0 , [10:0-2-0,0-1-8], [1	6-4-0	114·0-2-8 D			
riale Olise	15 (^,1)	[2,0-3-4,2-age],]	4.0-3-0,0-1-0], [1	.0-1-12,0-1-0], [3.0	J-Z-12,0-0-0	, [10.0-2-0,0-1-0], [10.0 1 0,0 2 0,	11.0 2 0,0			
LOADING	(psf)	SPACING	3- 2-0-0	CSI		DEFL.	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Gri			0.71	Vert(LL)	0.20 16-17		240	MT20	244/190
TCDL	7.0	Lumber D			0.71	Vert(CT)	-0.37 16-17		180		
BCLL	0,0 *	Rep Stres				Horz(CT)	0.15 13	n/a	n/a		
BCDL.	10,0	Code FR	C2017/TPI2014	Mat	rix-MS					Weight: 23	21 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

LUMBER-

2x4 SP No.2D TOP CHORD

BOT CHORD 2x4 SP No.2D

WEBS 2x4 SP No.3

(lb/size) 2=-105/0-3-8, 18=1823/0-3-8, 13=1957/0-3-8, 11=-199/0-3-8 REACTIONS.

Max Horz 2=222(LC 11)

Max Upift 2=-148(LC 17), 18=-632(LC 12), 13=-655(LC 12), 11=-318(LC 21) Max Grav 18=1823(LC 1), 13=1957(LC 1), 11=2(LC 22)

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

TOP CHORD 2-3=-586/1719, 3-4=-543/1725, 4-5=-2204/851, 5-6=-2361/979, 6-7=-1890/782,

7-8=-1159/600, 8-9=-1209/570, 9-10=-797/403, 10-11=-443/1387

2-18=-1624/673, 17-18=-251/713, 16-17=-605/2061, 15-16=-375/1747, 14-15=-153/687, BOT CHORD 13-14=-1342/589, 11-13=-1214/531

WEBS

3-18=-341/228, 4-18=-2751/1098, 4-17=-372/1467, 5-17=-563/306, 6-17=-91/290, 6-16=-378/258, 7-16=-269/1021, 7-15=-1108/443, 8-15=-232/615, 9-15=-27/494,

9-14=-675/366, 10-14=-697/2012, 10-13=-1546/689

NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-7 to 2-4-6, Interior(1) 2-4-6 to 25-0-0, Exterior(2) 25-0-0 to 29-4-13, Interior(1) 29-4-13 to 46-0-11 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) except (jt=lb) 2=148, 18=632, 13=655, 11=318.



Structural wood sheathing directly applied or 3-11-3 oc purlins

Rigid ceiling directly applied or 4-8-7 oc bracing.

1 Row at midpt

Thomas A. Albani PE No.39380 MITek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

May 15,2019

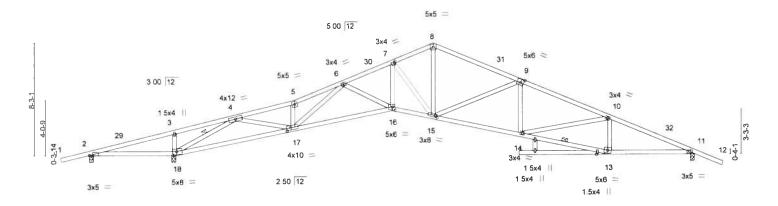
WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 10/03/2015 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314



Job	Truss		Truss Type				Qty	Ply	SARGENT / SKIP HARVEY		
											T17063702
S0630	T4		Roof Special				1	1			
									Job Reference (optional)		
Duley Truss.	Duley Truss Dunnellon, FL - 34430.			3					16 2018 MiTek Industries, Inc. We		
						ID zvWsn	PnxHU3	JAS7Rf99I	KQDzGL07-nO61Hr?lKfNnU?ordC)_QwSzbLn1e?_Si	
-2-0-0	6-4-0	10-7-7	14-10-14	18-5-7	22-0-0	25-0-0	FC	31-4-0	37-8-0	44-0-0	46-0-0
2-0-0	6-4-0	4-3-7	4-3-7	3-6-9	3-6-9	3-0-0	1	6-4-0	6-4-0	6-4-0	2-0-0

Scale = 1 79.8



		6-0-0 6-4-0	14-10-14	22-0-0	25-0-0	31-4-0	37-8-0	44-0-0	
	,	6-0-0 0-4-0	8-6-14	7-1-2	3-0-0	6-4-0	6-4-0	6-4-0	
Plate Offse	ets (X,Y)	[2:0-3-0,Edge], [7 0-1-	4,0-1-8], [9:0-2-12	2,0-3-0], [15:0-1-11,0-1-8],	[16:0-2-8,0-3-0]	[17:0-3-11,0-2-0],	[18:0-3-4,0-2-12]		_
LOADING	(psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	I/defl L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 1.00	Vert(LL)	0.36 16-17	>999 240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.83	Vert(CT)	-0.64 16-17	>708 180		
BCLL	0.0 *	Rep Stress Incr	YES	V/B 0.88	Horz(CT)	0.28 11	n/a n/a		
BCDL	10,0	Code FRC201	7/TPI2014	Matrix-MS				Weight: 231 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

WEBS

Structural wood sheathing directly applied.

6-6-0 oc bracing: 13-14

1 Row at midpt

Rigid ceiling directly applied or 3-6-13 oc bracing. Except

4-18

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2D

BOT CHORD 2x4 SP No.2D

WEBS 2x4 SP No.3

(lb/size) 2=-404/0-3-8, 18=2502/0-3-8, 11=1379/0-3-8

Max Horz 2=222(LC 11)
Max Uplift 2=-404(LC 1), 18=-858(LC 12), 11=-604(LC 12)
Max Grav 2=21(LC 9), 18=2502(LC 1), 11=1379(LC 1)

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

TOP CHORD 2-3=-1036/2897, 3-4=-991/2900, 4-5=-2884/1111, 5-6=-3086/1256, 6-7=-3162/1268

7-8=-2210/1004, 8-9=-2269/966, 9-10=-2857/1190, 10-11=-2742/1108

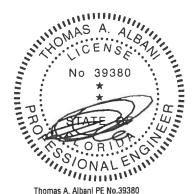
BOT CHORD 2-18=-2764/1109, 17-18=-188/581, 16-17=-994/3080, 15-16=-833/2946, 14-15=-902/2648,

13-14=-927/2528, 11-13=-915/2483

3-18=-364/236, 4-18=-3914/1542, 4-17=-691/2303, 5-17=-680/351, 6-17=-292/115, 7-16=-404/1374, 7-15=-1436/562, 8-15=-526/1426, 9-15=-665/386, 10-13=-394/249 WEBS

NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=44ft; eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-7 to 2-4-6, Interior(1) 2-4-6 to 25-0-0, Exterior(2) 25-0-0 to 29-4-13, Interior(1) 29-4-13 to 46-0-11 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) except (jt=lb) 2=404, 18=858, 11=604.



Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610

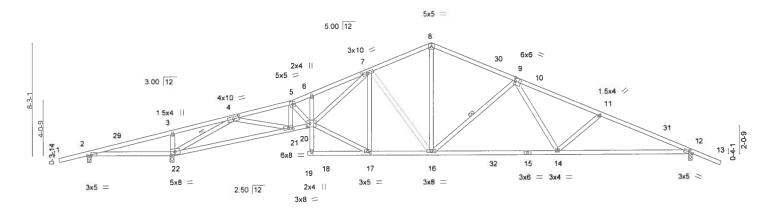
May 15,2019

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev 10/83/2015 BEFORE USE Design valid for use only with MiTek® connectors. This design is based only upon parameters and individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/P11 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 218 N. Lee Street, Suite 312, Alexandria, VA 22314.



Truss Type Qtv Ply SARGENT / SKIP HARVEY Job Truss T17063703 S0630 T5 Roof Special Job Reference (optional) 8 220 s Nov 16 2018 MiTek Industries, Inc. Wed May 15 06 42 33 2019 Page 1 Dunnellon, FL - 34430 Duley Truss, ID zvWsmPnxHU3JAS7Rf99KQDzGL07-FagQUB0w5yWe58N1A6VfTgWn5BLvkRyt0XjbPwzGKIK 14-10-14 4-3-7 20-6-0 25-0-0 4-6-0 31-1-6 37-2-13 6-1-6 4-6-0

Scale = 1 79 8



Flate Offsets (X,Y)-
[2:0-3-4,Edge], [4:0-4-12;0-2-0], [7:0-4-10;0-1-8], [10:0-1-0;0-3-0], [10:0-0-0;0-1-12], [12:0-3-0;0-1-8], [17:0-2-4;0-1-8], [20:0-2-8;0-3-4], [21:0-3-8;0-1-8], [22:0-3-8;0-2-8]

16-2-0

LOADIN	G (psf)	SPACING- 2-0-0	CSI.	DEFL. in (loc) I/defl L/d	PLATES GRIP
TCLL	20.0	Plate Grip DOL 1,25	TC 0.93	Vert(LL) 0.30 19 >999 240	MT20 244/190
TCDL	7.0	Lumber DOL 1.25	BC 0.96	Vert(CT) -0.56 14-16 >810 180	
BCLL	0.0 *	Rep Stress Incr YES	WB 0.86	Horz(CT) 0.19 12 n/a n/a	20 1925/98-2
BCDL	10.0	Code FRC2017/TPI2014	Matrix-MS		Weight: 241 lb FT = 20%

BRACING-

WEBS

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No 2D

BOT CHORD 2x4 SP No.2D *Except*

6-18: 2x4 SP No.3 2x4 SP No.3

WEBS 2x4 SP No.3

(lb/size) 2=-335/0-3-8, 22=2426/0-3-8, 12=1392/0-3-8

Max Horz 2=222(LC 11)

Max Uplift 2=-355(LC 17), 22=-836(LC 12), 12=-606(LC 12) Max Grav 2=19(LC 9), 22=2426(LC 1), 12=1392(LC 1)

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

TOP CHORD 2-3=-953/2622, 3-4=-908/2626, 4-5=-3072/1153, 5-6=-3292/1334, 6-7=-3267/1382,

7-8=-1554/814, 8-9=-1578/802, 9-10=-1900/950, 10-11=-2421/1013, 11-12=-2700/1119

BOT CHORD 2-22=-2498/1028, 21-22=-250/784, 20-21=-950/3039, 16-17=-471/1594, 14-16=-666/1931,

12-14=-919/2457

12-14=-919/2457 WEBS 3-22=-360/235, 4

3-22=-360/235, 4-22=-3864/1518, 4-21=-670/2262, 5-21=-700/394, 17-20=-503/1662,

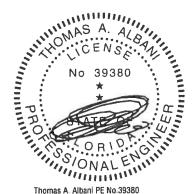
7-20=-680/1941, 7-17=-673/264, 7-16=-415/272, 8-16=-380/906, 9-16=-777/428,

10-14=-83/581, 11-14=-384/285

NOTES-

Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-10; Vult=140mph (3-second gust) Vasd=108mph; TCDL=4.2psf; BCDL=6.0psf; h=25ft; B=45ft; L=44ft, eave=5ft; Cat. II; Exp C; Encl., GCpi=0.18; MWFRS (directional) and C-C Exterior(2) -2-0-7 to 2-4-6, Interior(1) 2-4-6 to 25-0-0, Exterior(2) 25-0-0 to 29-4-13, Interior(1) 29-4-13 to 46-0-11 zone; cantilever left and right exposed; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=355, 22=836, 12=606.



Structural wood sheathing directly applied or 2-2-0 oc purlins

4-22, 9-16

Rigid ceiling directly applied or 2-2-0 oc bracing. Except

10-0-0 oc bracing: 18-20

1 Row at midpt

Thomas A. Albani PE No.39380 MiTek USA, Inc. FL Cert 6634 6904 Parke East Blvd. Tampa FL 33610 Date:

May 15,2019

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

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent bucking of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see.

ANSI/TPH1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information. available from Truss Plate Institute. 218 N. Lee Street. Suite 312, Alexandria, VA 22314.

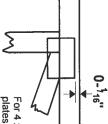


Symbols

PLATE LOCATION AND ORIENTATION



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



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

required direction of slots in This symbol indicates the connector plates

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

PLATE SIZE

4 × 4

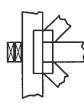
to slots. Second dimension is width measured perpendicular the length parallel to slots The first dimension is the plate

LATERAL BRACING LOCATION



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

BEARING



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

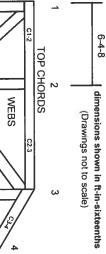
Industry Standards:

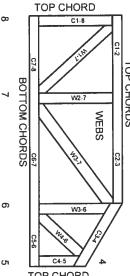
ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.

DSB-89

Installing & Bracing of Metal Plate Connected Wood Trusses. Guide to Good Practice for Handling, Building Component Safety Information Design Standard for Bracing.

Numbering System





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

NUMBERS/LETTERS CHORDS AND WEBS ARE IDENTIFIED BY END JOINT

PRODUCT CODE APPROVALS

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

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

section 6.3 These truss designs rely on lumber values established by others

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

CHORD

g Ġ TOP

ICC-ES Reports:

Lumber design values are in accordance with ANSI/TPI 1



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: **New Project Sargent** Builder Name: Harvey Building Street: 2196 SW CR 18 Permit Office: , FL, City, State, Zip: Permit Number: Owner: Robert & Kim Sargent Jurisdiction: Design Location: FL, Gainesville Columbia (Florida Climate Zone 2) County: 1. New construction or existing New (From Plans) 9. Wall Types (1429.3 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1429,30 ft² 2. Single family or multiple family Single-family b. N/A R= ft2 3. Number of units, if multiple family c. N/A R= ft² d. N/A 4. Number of Bedrooms 3 R= ft² 10. Ceiling Types (1623.0 sqft.) Insulation Area 5. Is this a worst case? No a. Under Attic (Vented) R=38.0 1623.00 ft² 6. Conditioned floor area above grade (ft2) 1623 b. N/A R= ft2 c. N/A ft² R= Conditioned floor area below grade (ft²) 11. Ducts ft² 7. Windows(175.0 sqft.) Description Area a. Sup: Attic, Ret: Attic, AH: Main 302 a. U-Factor: Dbl. U=0.33 175.00 ft² SHGC: SHGC=0.22 12. Cooling systems kBtu/hr Efficiency h U-Factor N/A ft² COUNT a. Central Unit 28.6 SEER:14.00 SHGC: N/A c. U-Factor: ft2 SHGC: 13. Heating systems Efficiency d. U-Factor: N/A ft² a. Electric Heat Pump HSPF:8.20 SHGC: Area Weighted Average Overhang Depth: 5.291 ft. 14. Hot water systems Area Weighted Average SHGC: 0.220 a. Electric Cap: 50 gallons 8. Floor Types (1623.0 sqft.) Insulation Area EF: 0.990 a. Slab-On-Grade Edge Insulation R=0.0 1623.00 ft² b. Conservation features b. N/A R= ft2 c. N/A R= ₽ 15. Credits **Pstat** Total Proposed Modified Loads: 47.88 **PASS** Glass/Floor Area: 0.108 **Total Baseline Loads:** 48.20 I hereby certify that the plans and specifications covered by Review of the plans and this calculation are in compliance with the Florida Energy RS specifications covered by this Code. calculation indicates compliance 14825 NW 253rd Terrace with the Florida Energy Code. PREPARED BY 6-14 Newberry, FL 32669 Before construction is completed this building will be inspected for (352) 472-8595 compliance with Section 553.908 I hereby certify that this building to (\$50) 4712 in 2610 pliance Florida Statutes. with the Florida Energy/Code. OWNER/AGENT **BUILDING OFFICIAL:**

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

DATE:

DATE:

FORM R405-2017

INPUT SUMMARY CHECKLIST REPORT

				PROJE	СТ							
Title: Building Type Owner Name # of Units: Builder Name Permit Office Jurisdiction: Family Type: New/Existing Comment:	e: Robert & Kim Sargen 1 e: Harvey Building e: : Single-family	t	Bedrooms: Conditioned Total Storie Worst Case Rotate Ang Cross Vent Whole Hou	d Area: es: le: le:	3 1530 1 No 0		Lot # Block PlatE Stree Cour	c/Subdivis sook: et:	sion: 21 Ce	treet Addre		
				CLIMA	 ГЕ							
√ D	esign Location	TMY Site		De 97.5	sign Temp 5 % 2.5 %	Int De Winte	esign Tem er Summ		eating ree Days	Design Moisture	-	Tem
F	L, Gainesville FL_G	SAINESVILLE.	_REGI	32	2 92	70	75	1:	305.5	51	M	edium
				BLOCK	(S							
Number	Name	Area	Volume									
1	Block1	1623	12984									
				SPACE	S			<u> </u>				
Number	Name	Area	Volume K	itchen (Occupants	Bedroo	ms lı	rfil ID	Finished	I Cool	ed	Heat
1	Main	1623	12984	Yes	2	3	1	•	Yes	Yes		Yes
	· · · · · · · · · · · · · · · · · · ·			FLOOR	RS							
/ #	Floor Type	Space	Perin	neter I	R-Value	Area				Tile Wo	od Ca	rpet
18	Slab-On-Grade Edge Insula	tio Ma	ain 178.8	ft	0	1623 ft²				0 0		1
				ROOF						· · · · · · · · · · · · · · · · · · ·		
√ #	Туре	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (de
1	Gable or shed	Metal	1758 ft²	338 ft²	Unfinishe	N	0.96	No	0.7	No	0	22
				ATTIC	;							
√ #	Туре	Ventila	ntion	Vent Ratio	(1 in)	Area	RBS	IRO	cc			
1	Full attic	Vent	ed	150	1	623 ft²	N	N	1			
				CEILIN	G					 		
√ #	Ceiling Type		Space	R-Value	Ins Ty	pe	Area	Fram	ing Frac	Truss	Туре	
1	Under Attic (Vented)		Main	38	Blown		1623 ft²	(0.11	Wo	od	

FORM R405-2017

INPLIT SUMMARY	

						W	ALLS							
√ #	Omt	Adjace To	ent Wall	Туре	Space	Cavity	Wid	ith In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar	Belov Grade
1	N	Exterior		me - Wood	Main		45		8	362.7 ft²		0.23	0.75	
2	E	Exterior	Frai	me - Wood	Main	13	44		8	352.0 ft²	!	0.23	0.75	
3	s	Exterior	Fra	me - Wood	Main	13	45	4	8	362.7 ft²	!	0.23	0.75	
4	W	Exterior	Frai	me - Wood	Main	13	44		8	352.0 ft²	!	0.23	0.75	
						DC	ORS							
$\sqrt{}$	#	Omt		Door Type	Space			Storms	U-Val	ue F	Width t In	Heigh Ft	ln .	Area
	1	N		Insulated	Main			None	.46	3	3	6	8 2	20 ft²
	2	S		Insulated	Main			None	.46	3	3	6	8 2	20 ft²
				Ori	ientation sh	WIN own is the e	DOWS		f orientatio	n				
,		Wall			ornadori ori		intorou, i	торооос	OHOHODO		erhang			
$\sqrt{}$	# (Omt ID	Frame	Panes	NFRC	U-Factor	SHGC	imp	Area		Separation	Int Sha	ide S	Screeni
	1	N 1	Vinyl	Low-E Double	Yes	0.33	0.22	N	90.0 ft²	8 ft 0 in	1 ft 0 in	Drapes/b	linds l	Exterio
	2	E 2	Vinyl	Double (Clear)	Yes	0.33	0.22	N	30.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/b	linds l	Exterio
	3	E 2	Vinyl	Double (Clear)	Yes	0.33	0.22	N	16.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/b	linds l	Exterio
	4	S 3	Vinyl	Double (Clear)	Yes	0.33	0.22	N	9.0 ft²	6 ft 0 in	1 ft 0 in	Drapes/b	linds l	Exterior
	5	W 4	Vinyl	Double (Clear)	Yes	0.33	0.22	N	30.0 ft²	2 ft 0 in	1 ft 0 in	Drapes/b	linds I	Exterior
						INFILT	RATIC	N						
;	Scope	M	lethod		SLA	CFM 50	ELA	E	EqLA	ACH	ACI	H 50		
Wh	olehouse	Propo	osed AC	CH(50) .000	0254	1082	59.4	1	11.71	.0956		5	•	
						HEATING	SYS	TEM				-		
\vee	#	System T	уре	Su	btype			Efficience	у	Capacity		E	Block	Ducts
	1	Electric H	leat Pun	np/ No	ne			HSPF:8	.2 28	.6 kBtu/hr			1	sys#1
						COOLIN	G SYS	TEM						
V	#	System T	ype	Su	btype		E	Efficiency	/ Capac	ity A	ir Flow S	HR E	Block	Ducts
	1	Central U	nit/	No	ne		5	SEER: 14	28.6 kB	tu/hr 85	58 cfm (.75	1	sys#1
		<u> </u>			ŀ	TAW TO	ER SY	STEM						
$\sqrt{}$	#	System	Туре	SubType i	_ocation	EF	Ca	р	Use	SetPr	nt	Conse	vation	
	1	Electric		None !	Main	0.99	50 g		60 gal	120 de		No		

RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST

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

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

	This checklist
	A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (one page) and an input summary checklist that can be used for field verification (usually four pages/may be greater).
	Energy Performance Level (EPL) Display Card (one page)
	HVAC system sizing and selection based on ACCA Manual S or per exceptions provided in Section R403.7
	Mandatory Requirements (five pages)
Red	quired prior to CO for the Performance Method:
	Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)
	A completed Envelope Leakage Test Report (usually one page)
	If Form R405 duct leakage type indicates anything other than "default leakage", then a completed

INPUT SUMMARY CHECKLIST REPORT

					SOLAR	HO1	WATER	SYST	EM						
V	FSEC Cert #	Company	Name		Sy	stem	Model #	С	ollector Model		lector trea	Stor	•	FEF	
	None	None								-	ft²				
							DUCTS								
\checkmark	#		pply R-Value Area	Loca	- Return		Leakag	е Туре	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV. Heat	AC # Cool
	1	Attic	6 302 ft²	Att	ic 81	.15 ft	Default l	eakage	Main	(Default)	(Default)			1	1
					-	TEMF	PERATUR	RES							
Program	able Ther	mostat: Y			Ceiling	Fans	:								
Cooling Heating Venting	[] Jar X Jar] Jar	Feb	Mar X Mar X Mar	Apr Apr X Apr	- 1 1 M	ay ay ay	[X] Jun [] Jun [] Jun	[X] Jul 	[X] Aug Aug Aug	[X] Sep [] Sep [] Sep	X	Oct Oct Oct	X Nov X Nov		Dec Dec Dec
Thermosta		le: HERS 2	006 Reference		_		_		ours _	_	_	40	44		10
Schedule '	Туре		1	2	3	4	5 	6	7	8	9	10	11		12
Cooling (V	/D)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	4	80 78
Cooling (V	VEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78		78 78
Heating (V	VD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66		68 66
Heating (V	VEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66		68 66
							MASS								
М	ass Type			Area			Thickness		Furniture Fra	ction	Spa	ace			
De	efault(8 lb	s/sq.ft.		O ft²			0 ft		0.3			Main			

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 99

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

1. New home or, addition	1. New (From Plans)	12. Ducts, location & insulation level
2. Single-family or multiple-family	2. Single-family	a) Supply ducts R 6.0 b) Return ducts R 6.0
2. Ging.o tariniy o. manapio tariniy	E. Onigio latiniy	c) AHU location Main
3. No. of units (if multiple-family)	31_	•
4. Number of bedrooms	43	13. Cooling system: Capacity 28.6 a) Split system SEER
5. Is this a worst case? (yes/no)	5. <u>No</u>	b) Single package SEER c) Ground/water source SEER/COP
6. Conditioned floor area (sq. ft.)	6. <u>1623</u>	d) Room unit/PTAC EER
7. Windows, type and area a) U-factor:(weighted average) b) Solar Heat Gain Coefficient (SHGC) c) Area	7a. <u>0.330</u> 7b. <u>0.220</u> 7c. <u>175.0</u>	14. Heating system: Capacity 28.6 a) Split system heat pump HSPF
8. Skylights		b) Single package heat pump HSPF c) Electric resistance COP
a) U-factor:(weighted average)	8a. NA	d) Gas fumace, natural gas AFUE
b) Solar Heat Gain Coefficient (SHGC)	8b. <u>NA</u>	e) Gas furnace, LPG AFUE
9. Floor type, insulation level:		f) Other 8.20
a) Slab-on-grade (R-value)	9a. 0.0	
b) Wood, raised (R-value)	9b	15. Water heating system
c) Concrete, raised (R-value)	9c	a) Electric resistance EF 0.99
10. Wall type and insulation:A. Exterior:1. Wood frame (Insulation R-value)2. Masonry (Insulation R-value)B. Adjacent:	10A113.0 10A2	b) Gas fired, natural gas
1. Wood frame (Insulation R-value)	10B1	3, 0
2. Masonry (Insulation R-value)	10B2	
44. Online time and insulation level		16. HVAC credits claimed (Performance Method)
Ceiling type and insulation level a) Under attic	44- 20.0	a) Ceiling fans
b) Single assembly	11a. <u>38.0</u>	b) Cross ventilation No
c) Knee walls/skylight walls	11b	c) Whole house fan No d) Multizone cooling credit
d) Radiant barrier installed	11c 11d <u>No</u> _	e) Multizone heating credit
d) Radiant barrier installed	rid. <u>No</u>	f) Programmable thermostat Yes
*Label required by Section R303.1.3 of the Fl	orida Building Code, Ene	ergy Conservation, if not DEFAULT.
I certify that this home has complied with the saving features which will be installed (or exc display card will be completed based on installed)	eeded) in this home befo	
Builder Signature:		Date:
Address of New Home: 2196 SW CR 18		Citv/FL Zip: . FL

2017 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

TABLE 402.4.1.1 AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

Project Name:

New Project Sargent

Builder Name: Harvey Building

Street:

2196 SW CR 18

Permit Office:

City, State, Zip: Owner: , FL,

Robert & Kim Sargent

Permit Number: Jurisdiction:

liction:

Owner: Design Location:	FL, Gainesville		3
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within comers and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned space	es.	
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the drywall.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical/phone box or exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.		
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids between fire sprinkler cover plates and walls or ceilings. To flog walls shall be in accordance with the provisions of ICC-400.		

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

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

Α	DDRESS:	2196 SW CR 18	3	<u> </u>	Permit Number:		
MA	NDATORY		IENTS See i	ndividual code s	ections for full de	etails.	
/			;	SECTION R40	1 GENERAL		
	display card (Section 553 nonpresold re installed in a	be completed and of .9085, Florida Statuesidential buildings dwelling unit. The I	certified by the bui utes) requires the The EPL display building official sha	ilder to be accurate an EPL display card to be card contains informa all verify that the EPL o	d correct before final a included as an adden tion indicating the ener display card completed	nall require that an energy post approval of the building for or adum to each sales contract rgy performance level and e d and signed by the builder a PL display card can be four	ccupancy. Florida law for both presold and fficiencies of components accurately reflects the plans
		eakage (Mandator) R402.4.1 through i		ling thermal envelope	shall be constructed to	limit air leakage in accorda	nce with the requirements of
		Exception: Dwe comply with Section		Occupancies and multi	ple attached single far	nily dwellings shall be perm	itted to
				ding thermal envelope aterials shall allow for o		tions R402.4.1.1 and R402.4 and contraction.	4.1.2.
	with the	e manufacturer's in:	structions and the		R402.4.1.1, as applica	able R402.4.1.1 shall be instable to the method of constrollance.	
	change accord individu an app	es per hour in Clima ance with ANSI/RE uals as defined in S roved third party. A	te Zones 1 and 2, SNET/ICC 380 an ection 553.993(5) written report of the	, and three air changes nd reported at a pressu or (7), Florida Statute he results of the test s	s per hour in Climate Z are of 0.2 inch w.g. (50 s, or individuals licenso hall be signed by the p	ig an air leakage rate not extones 3 through 8. Testing s pascals). Testing shall be ded as set forth in Section 48 party conducting the test and ilding thermal envelope.	hall be conducted in conducted by either 9.105(3)(f), (g) or (i) or
	Except building			additions, alterations, s ss than 85 percent of t		, of the building thermal env velope.	elope of existing
	1. Exte other ir 2. Dam infiltrati 3. Inter 4. Exte 5. Heat	nfiltration control me opers including exha- tion control measure for doors, if installe- tior doors for contin ting and cooling sys	easures. lust, intake, make ls. d at the time of the luous ventilation s ltems, if installed a		ue dampers shall be overy ventilators shall be shall be turned off.	beyond the intended weath closed, but not sealed beyon e closed and sealed.	
		ting doors on factor	y-built fireplaces li	isted and labeled in ac	cordance with UL 127,	oors, and outdoor combustion, the doors shall be tested a shelled in accordance with U	nd listed for the
	square foot (*	1.5 L/s/m2), and sw	inging doors no m	ore than 0.5 cfm per s	quare foot (2.6 L/s/m2	ir infiltration rate of no more !), when tested according to beled by the manufacturer.	
	Except	tion: Site-built	windows, skylight	ts and doors.			

MANDATORY REQUIREMENTS - (Continued) R402.4.4 Rooms containing fuel-burning appliances. In Climate Zones 3 through 8, where open combustion air ducts provide combustion air to open combustion fuel burning appliances, the appliances and combustion air opening shall be located outside the building thermal envelope or enclosed in a room, isolated from inside the thermal envelope. Such rooms shall be sealed and insulated in accordance with the envelope requirements of Table R402.1.2, where the walls, floors and ceilings shall meet not less than the basement wall R-value requirement. The door into the room shall be fully gasketed and any water lines and ducts in the room insulated in accordance with Section R403. The combustion air duct shall be insulated where it passes through conditioned space to a minimum of R-8. **Exceptions:** 1. Direct vent appliances with both intake and exhaust pipes installed continuous to the outside. 2. Fireplaces and stoves complying with Section R402.4.2 and Section R1006 of the Florida Building Code, Residential. R402.4.5 Recessed lighting. Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering. SECTION R403 SYSTEMS R403.1 Controls. R403.1.1 Thermostat provision (Mandatory). At least one thermostat shall be provided for each separate heating and cooling system. R403.1.3 Heat pump supplementary heat (Mandatory). Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load. R403.3.2 Sealing (Mandatory) All ducts, air handlers, filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section C403.2.9.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria below. Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC 380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes, to be "substantially leak free" in accordance with Section R403.3.3. R403.3.2.1 Sealed air handler. Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design airflow rate when tested in accordance with ASHRAE 193. R403.3.3 Duct testing (Mandatory). Ducts shall be pressure tested to determine air leakage by one of the following methods: Rough-in test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure if installed at the time of the test. All registers shall be taped or otherwise sealed during the test. Postconstruction test: Total leakage shall be measured with a pressure differential of 0.1 inch w.g. (25 Pa) across the 2 entire system, including the manufacturer's air handler enclosure. Registers shall be taped or otherwise sealed during the test. **Exceptions:** 1. A duct air leakage test shall not be required where the ducts and air handlers are located entirely within the building thermal envelope. Duct testing is not mandatory for buildings complying by Section 405 of this code. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. R403.3.5 Building cavities (Mandatory). Building framing cavities shall not be used as ducts or plenums. R403.4 Mechanical system piping insulation (Mandatory). Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3. R403.4.1 Protection of piping insulation. Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted. R403.5.1 Heated water circulation and temperature maintenance systems (Mandatory). Heated water circulation systems shall be in accordance with Section R403.5.1.1. Heat trace temperature maintenance systems shall be in accordance with Section R403.5.1.2. Automatic controls, temperature sensors and pumps shall be accessible. Manual controls shall be readily accessible. R403.5.1.1 Circulation systems. Heated water circulation systems shall be provided with a circulation pump. The system return pipe shall be a dedicated return pipe or a cold water supply pipe. Gravity and thermosiphon circulation systems shall be prohibited.

when there is no demand for hot water.

with the times when heated water is used in the occupancy.

Controls for circulating hot water system pumps shall start the pump based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and

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

MANDATORY REQUIREMENTS - (Continued) R403.5.5 Heat traps (Mandatory). Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank. R403.5.6 Water heater efficiencies (Mandatory). R403.5.6.1.1 Automatic controls. Service water-heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C). R403.5.6.1.2 Shut down. A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water-heating systems to be turned off. R403.5.6.2 Water-heating equipment. Water-heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water-heating category. Solar water heaters shall meet the criteria of Section R403.5.6.2.1. R403.5.6.2.1 Solar water-heating systems. Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806. Test Methods for Solar Collectors. and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water-heating systems should meet the following criteria: 1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and 2. Be installed at an orientation within 45 degrees of true south. R403.6 Mechanical ventilation (Mandatory). The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential, or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation including: Natural, Infiltration or Mechanical means. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating. R403.6.1 Whole-house mechanical ventilation system fan efficacy. When installed to function as a whole-house mechanical ventilation system, fans shall meet the efficacy requirements of Table R403.6.1. Exception: Where whole-house mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor. R403.6.2 Ventilation air. Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria: The design air change per hour minimums for residential buildings in ASHRAE 62.2, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications. No ventilation or air-conditioning system make-up air shall be provided to conditioned space from attics, 2. crawlspaces, attached enclosed garages or outdoor spaces adjacent to swimming pools or spas. 3. If ventilation air is drawn from enclosed space(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

R403.7 Heating and cooling equipment (Mandatory).

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

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

FAN LOCATION	AIRFLOW RATE MINIMUM (CFM)	MINIMUM EFFICACY ⁸ (CFMWATT)	AIRFLOW RATE MAXIMUM (CFM)
Range hoods	Any	2.8 cfm/watt	Any
In-line fan	Any	2.8 cfm/watt	Any
Bathroom, utility room	10	1.4 cfm/watt	<90
Bathroom, utility room	90	2.8 cfm/watt	Any

For SI: 1 cfm = 28.3 L/min.

a. When tested in accordance with HVI Standard 916

MANDATORY REQUIREMENTS -(Continued) Cooling only equipment shall be selected so that its total capacity is not less R403.7.1.1 Cooling equipment capacity. than the calculated total load but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.7, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load. The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry-bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower CFM provided by the expanded performance data, the design value for entering wet-bulb temperature and the design value for entering dry-bulb temperature. Design values for entering wet-bulb and dry-bulb temperatures shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space. Attached single- and multiple-family residential equipment sizing may be selected so that its cooling capacity is less than the 1. calculated total sensible load but not less than 80 percent of that load. 2. When signed and sealed by a Florida-registered engineer, in attached single- and multiple-family units, the capacity of equipment may be sized in accordance with good design practice. R403.7.1.2 Heating equipment capacity. Heat pump sizing shall be based on the cooling requirements as calculated according to Section R403.7.1.2.1 Heat pumps. R403.7.1.1, and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load even if the design heating load is 1.15 times greater than the design cooling load. Electric resistance furnaces shall be sized within 4 kW of the design R403.7.1.2.2 Electric resistance furnaces. requirements calculated according to the procedure selected in Section R403.7.1. The capacity of fossil fuel heating equipment with natural draft atmospheric burners R403.7.1.2.3 Fossil fuel heating equipment. shall not be less than the design load calculated in accordance with Section R403.7.1. R403.7.1.3 Extra capacity required for special occasions. Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options: A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas. 1. 2. A variable capacity system sized for optimum performance during base load periods is utilized. Systems serving multiple dwelling units shall comply with Sections R403.8 Systems serving multiple dwelling units (Mandatory). C403 and C404 of the IECC-Commercial Provisions in lieu of Section R403. R403.9 Snow melt and ice system controls (Mandatory) Snow- and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 50°F (10°C), and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F (4.8°C). The energy consumption of pools and permanent spas R403.10 Pools and permanent spa energy consumption (Mandatory). shall be in accordance with Sections R403.10.1 through R403.10.5. The electric power to heaters shall be controlled by a readily accessible on-off switch that is an R403.10.1 Heaters. integral part of the heater mounted on the exterior of the heater, or external to and within 3 feet (914 mm) of the heater. Operation of such switch shall not change the setting of the heater thermostat. Such switches shall be in addition to a circuit breaker for the power to the heater. Gas-fired heaters shall not be equipped with continuously burning ignition pilots. R403.10.2 Time switches. Time switches or other control methods that can automatically turn off and on according to a preset schedule shall be installed for heaters and pump motors. Heaters and pump motors that have built-in time switches shall be in compliance with this section. **Exceptions:** 1. Where public health standards require 24-hour pump operation. 2. Pumps that operate solar- and waste-heat-recovery pool heating systems. Where pumps are powered exclusively from on-site renewable generation. R403.10.3 Covers. Outdoor heated swimming pools and outdoor permanent spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss. Where more than 70 percent of the energy for heating, computed over an operation season, is from site-recovered energy, such as from a heat pump or solar energy source, covers or other vapor-retardant means shall not be required. R403.10.4 Gas- and oil-fired pool and spa heaters. All gas- and oil-fired pool and spa heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013, when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural or LP gas shall not have continuously burning pilot lights.

	R403.10.5 Heat pump pool heaters. Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.
	R403.11 Portable spas (Mandatorg) he energy consumption of electric-powered portable spas shall be controlled by the requirements of APSP-14.
	SECTION R404
El	LECTRICAL POWER AND LIGHTING SYSTEMS
	R404.1 Lighting equipment (Mandatory). Not less than 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.
	Exception: Low-voltage lighting.
	R404.1.1 Lighting equipment (Mandatory). Fuel gas lighting systems shall not have continuously burning pilot lights.

5/20/2019 9:09 AM

Envelope Leakage Test Report (Blower Door Test)

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

	Jurisdiction:		Permit #:	
Job In	formation			
Builde	: Harvey Building	Community:	Lot:	NA
Addres	ss: 2196 SW CR 18			
City:		State:	FL Zip:	
Air Lo	eakage Test Results	Passing results must meet e	ither the Performance, Prescriptive,	or ERI Method
		uilding or dwelling unit shall be test 0.2 inch w.g. (50 Pascals) in Clima	ted and verified as having an air leakage ate Zones 1 and 2.	rate of not exceeding 7 air
	ected ACH(50) value, as shown or	n Form R405-2017 (Performance)	li be tested and verified as having an air or R406-2017 (ERI), section labeled as (Performance) or R406-2017 (ERI):	
	x 60 ÷ 12984 CFM(50) Building PASS	= ACH(50)		lating building volume: m architectural plans e calculated
	When ACH(50) is less that must be verified by building	nn 3, Mechanical Ventilation ins ng department.	stallation Field measur	ed and calculated
Testing 489.10	shall be conducted by either indiv 5(3)(f), (g), or (i) or an approved th	riduals as defined in Section 553.99 ird party. A written report of the res	ESNET/ICC 380 and reported at a press 93(5) or (7), <i>Florida Statues</i> .or individual sults of the test shall be signed by the pa ation of all penetrations of the <i>building t</i>	Is licensed as set forth in Section arty conducting the test and
control	rior windows and doors, fireplace a measures. pers including exhaust, intake, ma		ut not sealed, beyond the intended weat pers shall be closed, but not sealed beyo	
4. Exter 5. Heat	ing and cooling systems, if installe	the test, shall be open. In systems and heat recovery ventiled at the time of the test, shall be to at the time of the test, shall be fully	urned off.	
Testi	ng Company			
I here	pany Name: by verify that the above Air Le		Phone: ce with the 2017 6th Edition Florida	
Signa	ature of Tester:		Date of Test:	
Printe	ed Name of Tester:			
Licer	se/Certification #:		Issuing Authority:	



Load Short Form Entire House **Bounds Heating & Air**

Job:

Date: May 15, 2019

By:

Newberry, FL

Project Information

For:

robert sargent, Harvey building 2196 SW CR 18, FL

Design Information							
	Htg	Clg		Infiltration			
Outside db (°F)	33	92	Method		Simplified		
Inside db (°F)	70	75	Construction quality		Semi-tight		
Design TD (°F)	37	17	Fireplaces		1 (Semi-tight)		
Daily range	-	M	•				
Inside humidity (%)	30	50					
Moisture difference (gr/lb)	10	COUNTY					

HEATING EQUIPMEN

Make Carrier Trade **CARRIER**

CH14NB03000G0A0 Model

AHRI ref 9162305

Efficiency **8.2 HSPF** Heating input Heating output 28600 Btuh @ 47°F 27 °F Temperature rise Actual air flow 953 cfm Air flow factor 0.044 cfm/Btuh

Space thermostat Capacity balance point = 27 °F **COOLING EQUIPMENT**

Make Trade Carrier **CARRIER**

Cond CH14NB03000G0A0 FB4CNP030L Coil

9162305 AHRI ref

Efficiency 11.5 EER, 14 SEER Sensible cooling 20020 Btuh

Latent cooling 8580 Btuh Total cooling 28600 Btuh Actual air flow 953 cfm 0.053 cfm/Btuh Air flow factor Static pressure 0.50 in H2O

0.85 Load sensible heat ratio

Backup:

Static pressure

Input = 0 kW. Output = 0 Btuh, 100 AFUE

Input - 0 kvv. Output - 0 bluit. It	JO AI OL				
ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Master Bedroom	215	3490	2644	154	140
WIC 1	33	900	325	40	17
Master toilet	25	1355	435	60	23
Laundry	39	1339	1261	59	67
WIC 2	23	40	68	2	4
Master bathroom	137	1472	935	65	50
Kitchen/dining	260	1514	3227	67	171
Pantry	10	0	0	0	0
living room	334	2051	3372	91	179
sitting	131	2430	1506	107	80
WIC 3	28	51	86	2	5
Bedroom 3	127	2060	1548	91	82
Bedroom 2	120	3269	1856	144	98
Hall	28	0	0	0	0

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



0.50 in H2O



Project Summary Entire House **Bounds Heating & Air**

Job:

Date: May 15, 2019

By:

Newberry, FL

Project Information

For:

robert sargent, Harvey building 2196 SW CR 18, FL

Notes:

Design Information

Design information								
	Weather:	Gainesville Regional AP, FL, US						
Winter Desig	gn Conditions	Summer Design C	Conditions					
Outside db Inside db Design TD	33 °F 70 °F 37 °F	Outside db Inside db Design TD Daily range Relative humidity Moisture difference	92 °F 75 °F 17 °F M 50 % 47 gr/lb					
Heating :	Summary	Sensible Cooling Equipr	nent Load Sizing					
Structure Ducts Central vent (0 cfm)	16380 Btu 5196 Btu 0 Btu	h Ducts h Central vent (0 cfm)	11604 Btuh 6378 Btuh 0 Btuh					
(none) Humidification	0 Btu 0 Btu		0 Btuh					
Piping Equipment load Infilt	21576 Btu		n 0.97 17443 Btuh					
Method	Simp	liffed Latent Cooling Equipm	ent Load Sizing					
Construction quality Fireplaces	1 (Semi-	-tight tight) Structure Ducts Central vent (0 cfm)	1771 Btuh 1380 Btuh 0 Btuh					
Area (ft²)	1624	oling (none) 1624 Equipment latent load	3151 Btuh					
Volume (ft³) Air changes/hour Equiv. AVF (cfm)	12990 1 0.32 69	2990 0.14 Equipment Total Load (Sen+Lat 30 Req. total capacity at 0.70 SHR) 20594 Btuh 2.1 ton					
Heating Equip	ment Summary	Cooling Equipmen	t Summary					
Make Comies		Make Carrier						

Make Trade Model AHRI ref	Carrier CARRIER CH14NB03000G0A0 9162305			Make Trade Cond Coil AHRI ref	Carrier CARRIER CH14NB03 FB4CNP03 9162305	0L		
Efficiency Heating inport Heating out Temperatur Actual air flo Air flow facto Static pressi Space them Capacity ba	out e rise ow or ure	28600 27 953 0.044	HSPF Btuh @ 47°F °F cfm cfm/Btuh in H2O	Efficiency Sensible co Latent cooli Total coolin Actual air flo Air flow fact Static press	poling ing ig ow or	11.5 EER,	14 SEER 20020 8580 28600 953 0.053 0.50 0.85	Btuh Btuh Btuh cfm cfm/Btuh in H2O

Backup: Input = 0 kW, Output = 0 Btuh, 100 AFUE

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



2019-May-16 13:19:41



Duct System Summary Entire House Bounds Heating & Air

Job:

Date: May 15, 2019

Ву:

Newberry, FL

Project Information

For:

robert sargent, Harvey building 2196 SW CR 18, FL

External static pressure Pressure losses Available static pressure Supply / return available pressure Lowest friction rate Actual air flow Total effective length (TEL)

Heating 0.50 in H2O 0 in H2O 0.50 in H2O 0.250 / 0.250 in H2O 0.144 in/100ft 953 cfm

0.50 in H2O 0 in H2O 0.50 in H2O 0.250 / 0.250 in H2O 0.144 in/100ft

953 cfm

Cooling

348 ft

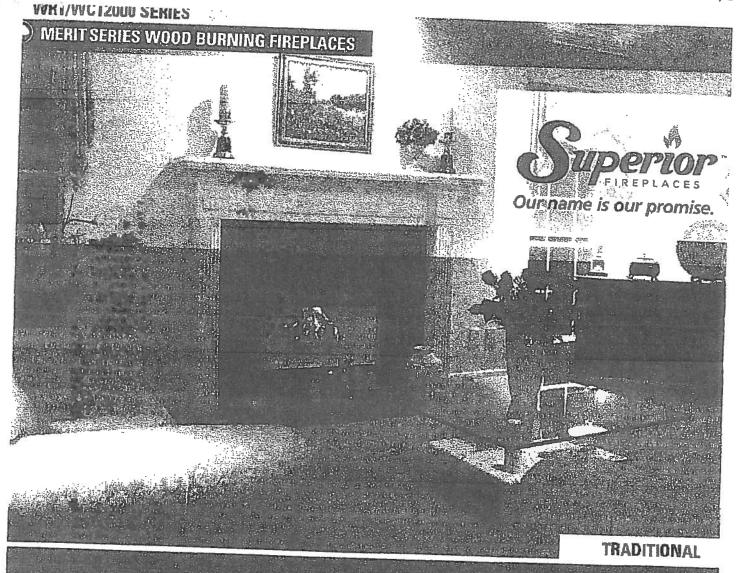
Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	HxW (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Bathroom	h	1095	48	27	0.249	4.0	0× 0	VIFx	15.7	185.0	st3
Bedroom 2	h	3269	144	98	0.205	6.0	0 x 0	MFx	23.4	220.0	st3
Bedroom 3	h	2060	91	82	0.269	6.0	0×0	MFx	10.6	175.0	st3
Kitchen/dining	С	3227	67	171	0.397	7.0	0x0	MFx	11.0	115.0	st2
Laundry	С	1261	59	67	0.148	5.0	0× 0	MFx	48.5	290.0	st5
Master Bedroom	h	3490	154	140	0.144	7.0	0× 0	MFx	38.0	310.0	st5
Master bathroom	h	1472	65	50	0.149	5.0	0× 0	MFx	35.5	300.0	st5
Master toilet	h	1355	60	23	0.148	4.0	0×0	MFx	48.0	290.0	st5
WIC 1	h	900	40	17	0.160	4.0	0×0	VIFx	33.5	280.0	st5
WIC 2	c	68	2	4	0.189	4.0	0×0	WFx	29.1	235.0	st5
WIC 3	c	86	2	5	0.198	4.0	0×0	MFx	18.1	235.0	st3
WIC 4	l h	511	23	11	0.228	4.0	0×0	MFx	14.8	205.0	st3
living room	С	1686	45	89	0.407	6.0	0×0	MFx	8.0	115.0	st2
living room-A	c	1686	45	89	0.174	6.0	0×0	VIFx	38.1	250.0	st5
sitting	h	2430	107	80	0.214	6.0	0×0	MFx	23.1	210.0	st3

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	HxW (in)	Duct Material	Trunk
st2 st4 st3 st1 st5	Peak AVF Peak AVF Peak AVF Peak AVF Peak AVF	537 425 416 416 425	650 390 303 303 390	0.144 0.144 0.198 0.198 0.144	828 541 416 529 425	12.0 12.0 11.0 12.0 7.0	0 × 0 0 × 0 12 × 12 0 × 0 12 × 12	VinIFIx VinIFIx RectFbg VinIFIx RectFbg	st2 st1

Bold/italic values have been manually overridden



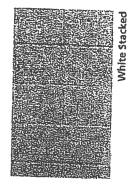
Value and quality construction come together to provide long-lasting warmth in a traditional hearth setting.

FEATURES

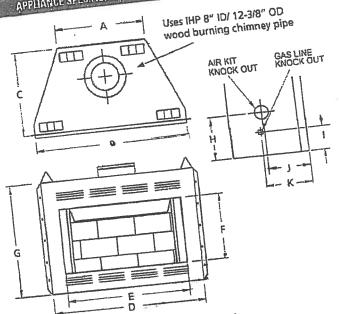
- Available in 36" and 42" models
- A Radiant smooth-faced or circulating rolled louver models
- # Fully insulated firebox (on select models)
- White stacked refractory panels
- 1 Log grate
- A Push/pull damper control
- 6 Includes mesh fire screens
- Barometric outside air damper
- 4 Fan kit available (for circulating models only)
- 6 Durable textured powder coat finish
- ។ Uses IHP 8 DM (1700°) double wall air cooled wood burning chimney
- 8 20 year limited warranty

INTERIOR

(Required)



APPLIANCE SPECIFICATIONS



ı		WRT WCH2042
	WRT/WCT2036	
. A	22-1/2*	28-1/2*
B	36"	42° 21-18°
	Z1-UB	44*
D	38*	
	36"	42*
E	21-1/2"	21-1/2*
F	The same of the sa	33°
G	34*	13-7/8*
H	13-118	8-V4°
-	9-1/8	
1	9-5/8*	9-5/8"
K	10-3/16"	10-3/16*

ON THE COVER: WCT2036 with white stacked refractory panels

IMPORTANT NOTES:

As with any fireplace, this applicace is extremely hot during operation, fload and understand all operating fireful and the consult your dealer. Instructions before using this appliance. For further information, consult your dealer.

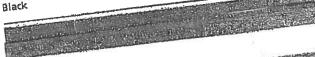
Local conditions, such as elevation, wind, vent configeration and choice of (us) will alloct everall appets and the line and health gentlements. Further are conditionable the line and health gentlements. Performance can also vary with bome design and insulation, climate, condition and type of fuel costd. Appliance location, large rate, accessories closes, chimney installation and how the appliance is operated.

Diagrams, illustrations and photographs are not to scale—consolt installation instructions, Product dusigns, continuit materials, dimensions, specifications, colors and prices are subject to change or discontinuance without notice.



BI-Fold Glass Doors







Platinum

ADDITIONAL ACCESSORIES

A. Outside air kit

B. Gas Logs

		913v	100
FRAMI	NG SPECIFICATIONS WRT/WCT2036	WATHER	
WIOTH	38-1/4°	44-1/4" 37-5/8°	
HEIGHT	38-5/8"	37-98	



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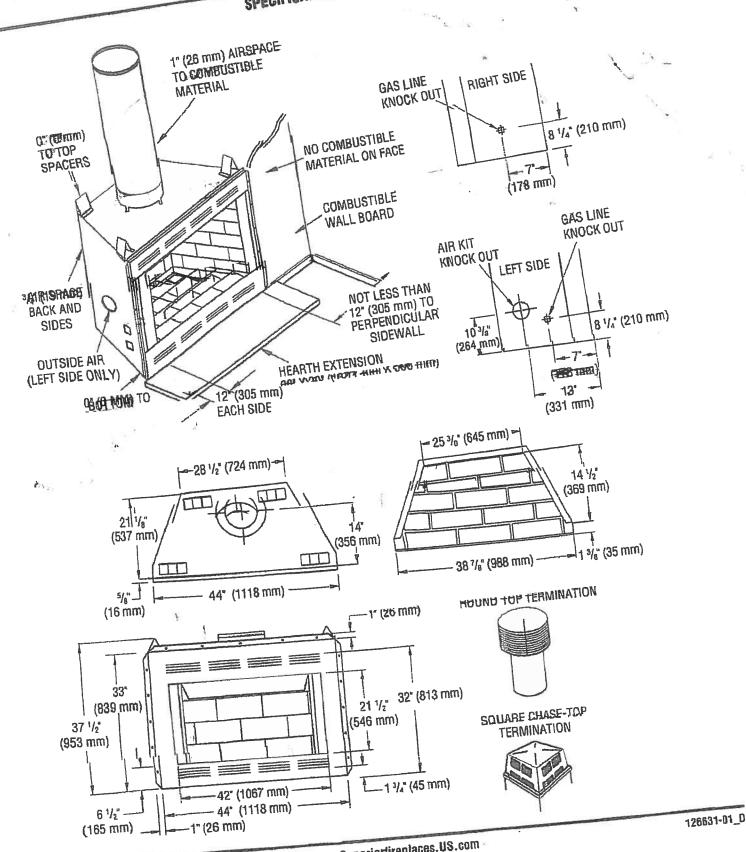


SuperiorFireplaces.us.com





SPECIFICATIONS



FIREPLACE INSTALLATION

(mm 656) (mm 657. [1124 mm)

eigure 1 - Framing Daimena - 1 studia

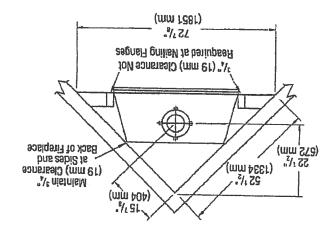


Figure 2 - Corner Installation

HEARTH EXTENSION

A hearth extension projecting a minimum of 20" in front of and a minimum of 12" beyond each side of fireplace opening is required to protect combustible floor construction in front of fireplace. Fabricate a hearth extension using a material which meets the following specifications: a layer of noncombustible, inorganic material having a thermal conductivity of k = .84 BTU IN/FT? HR °F (or less) at 1° thick. For example, if material selected has a k factor of 0.25, such a prick. For example, if material selected has a k factor of 0.25, such a prick. For example, if material selected has a k factor of 0.25, such a prick finer the following formula would enable.

as glass fiber, the following formula would apply:

 $\frac{0.25}{0.84}$ x 1.0" = 0.30" thickness required n s4

Thermal conductivity 'k" of materials can be obtained from manufacturer or supplier of noncombustible material. If hearth extension is to be covered, use noncombustible material such as tile, slate, brick, concrete, metal, glass, marble, stone, etc. Provide a means to prevent hearth extension from shiffing and seal gap between fireplace frame and hearth extension with a non-combustible material such as sand-cement grout (see Figure 3, page 6).

SELECTING LOCATION

To determine safest and most efficient location for fireplace, you must take into consideration the following guidelines:

Location must allow for proper clearances (see Figures 1 and 2).
 Consider a location where fireplace will not be affected by drafls,

air conditioning ducts, windows or doors.

3. A location that avoids cutting of ioists or root rafters will make

3. A location that avoids cutting of joists or root rafters will make installation easier.

4. An outside air kit is available with this fireplace (see Optional Outside Air Kit on page 7).

MINIMUM CLEARANCE TO COMBUSTIBLES

Back and sides of liteplace
Floor**
Floor**
Perpendicular wall to opening
Top spacers
Top

ees step 2 of Framing

AL WARNING: DO NOT PACK REQUIRED AIR SPACES WITH INSULATION OR OTHER MATERIALS.

Minimmy Maximom Chimney Helght

Minimum height of chimney, measured from base of fireplace to flue gas outlet of termination, is 14.5 feet for straight flue or a flue with one elbow set. Maximum distance between elbows is 6 feet. For systems with two elbow sets, minimum height is 22 feet. Maximum height of any system is 50 feet. This measurement includes fireplace, chimney sections and height of termination assembly at level of flue gas outlet (see Figure 20, page 12).

PRAMING

1. Frame opening for fireplace using dimensions shown in Figures 1 and 2.

2. If fireplace is to be installed directly on carpeting, tile or any combustible material other than wood flooring, fireplace must be installed upon a metal or wood panel extending full width and depth of fireplace.

3. Set fireplace directly in front of this opening and slide unit back until nailing flanges touch side framing.

4. Check level of fireplace and shim with sheet metal if necessary.
 5. Before securing fireplace to prepared framing, ember protector must be placed between hearth extension (not included) and

must be placed between hearth extension (not included) and under bottom front edge of tireplace to profect against glowing under bottom front edge of tireplace to profect against glowing embers falling through. If fireplace is to be installed on a raised platform, a Z-type ember profector (not included) must be fabricated to fit your required platform height. Ember profector should extend under fireplace a minimum of 1 ½.". Ember profector extend under fireplace a minimum of 1 ½.". Ember profector should be made of galvanized sheet metal (28 gauge minimum) to prevent corrosion.

 6. Using screws or nails, secure fireplace to framing through flanges located on sides of fireplace.

FIREPLACE INSTALLATION Continued

MANTELS

A mantel may be installed if desired (see Figure 4). Woodwork such as wood trims, mantels or any other combustible material projecting from front face must not be placed within 9" of top louver opening). Combustible materials above 9" and within 9" of top louver opening). Combustible materials above 9" and within 9" of top louver opening). Combustible materials above 9" and than 1 \z" from treplace must not be placed less than 1 \z" from top opening of theplace (NFPA 211, Section - Clearance from Combustible Material).

Mantels or any other combustible material may come up to side edge of black metal face of fireplace if projection from front face falls within limits shown in Figure 5.

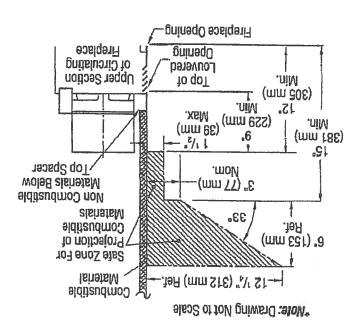


Figure 4 - Mantel Clearances to Combustible Material

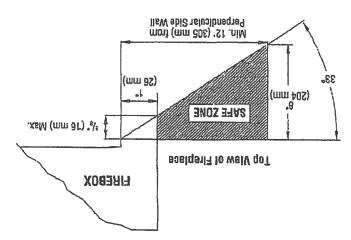
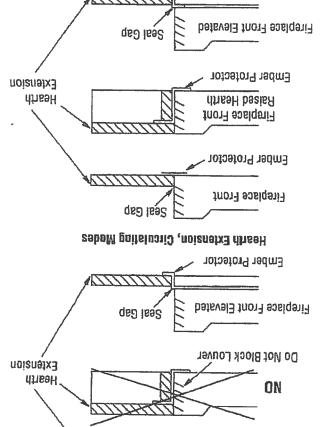


Figure 5 - Side Mantel Clearance

MARNING: Hearth extension is to be installed only as shown in Figure 3.

ges| Gap



Hearth Extension, Noncirculating Models Figure 3 - Hearth Extension

Ember Protector

Ember Protector

Fireplace Front