

DATE08/07/2008

Columbia County Building Permit

PERMIT000027250

This Permit Must Be Prominently Posted on Premises During Construction

APPLICANTMELANIE RODER

PHONE623-7829

ADDRESS387SW KEMP CT

LAKE CITYFL32024

OWNERK&S HOUSING

PHONE867-0692

ADDRESS190NW BONITA WAY

LAKE CITYFL32024

CONTRACTORAARON SIMQUE

PHONE867-0692

LOCATION OF PROPERTY41N, TL ABIGAIL LANE, TR ON BONITA WAY, 3RD LOT ON LEFT

TYPE DEVELOPMENTSFD,UTILITY

ESTIMATED COST OF CONSTRUCTION98150.00

HEATED FLOOR AREAL448.00

TOTAL AREAL1963.00

HEIGHT

STORIES1

FOUNDATIONCONC

WALLSFRAMED

ROOF PITCH6/12

FLOORSLAB

LAND USE & ZONINGA-3

MAX. HEIGHT18

Minimum Set Back Requirments:

STREET-FRONT30.00

REAR25.00

SIDE25.00

NO. EX.D.U.0

FLOOD ZONEX

DEVELOPMENT PERMIT NO.

PARCEL ID22-2S-16-01718-009

SUBDIVISIONSUWANNEE VALLEY ESTATES

LOT9

BLOCK

PHASE

UNIT

TOTAL ACRES

RB29003130

Melanie Roder

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING08-531

BK

WR

Y

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:LEGAL NON-CONFORMING LOT, ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash5990

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

Under slab rough-in plumbing

Slab

Sheathing/Nailing

Framing

Rough-in plumbing above slab and below wood floor

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

Permanent power

C.O. Final

Culvert

M/H tie downs, blocking, electricity and plumbing

Pool

Reconnection

Pump pole

Utility Pole

M/H Pole

Travel Trailer

Re-roof

BUILDING PERMIT FEE \$495.00

CERTIFICATION FEE \$9.81

SURCHARGE FEE \$9.81

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$25.00

CULVERT FEE \$

TOTAL FEE589.62

INSPECTORS OFFICE

CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

Columbia County Building Permit Application

For Office Use Only Application # 0807-27 Date Received 7/11/08 By GT Permit # 27250
 Zoning Official BLK Date 23.07.08 Flood Zone X FEMA Map # N/A Zoning A-3
 Land Use A-3 Elevation N/A MFE Left Rd River N/A Plans Examiner (u) Date 7/22/08
 Comments Legal Non-conforming Lot of Record
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # Community
☐ Dev Permit # Water System
☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter For Contractor

Septic Permit No. _____ Fax 386-752-2282

Name Authorized Person Signing Permit Melanie Roder Phone 386-623-7829

Address 387 SW Kemp Court Lake City, FL 32024

Owners Name K & S Housing Phone 386-867-0692

911 Address 190 NW Bonita way Lake City, FL 32024

Contractors Name Aaron Simque Homes Phone 386-867-0692

Address P.O. Box 2183 Lake City, FL 32056

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address William Myers / Nick Geisler

Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 22-25-16-01718-009 Estimated Cost of Construction 80,000

Subdivision Name Suwannee Valley Estates Lot 9 Block C Unit _____ Phase _____

Driving Directions Hwy 41 N, TL on NW Abigail Ln, TR on NW Bonita way, 3rd lot on left.

Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage _____ Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 18'-2"

Actual Distance of Structure from Property Lines - Front 27'-0" Side 26'-6" Side 26'-6" Rear 39'-0"

Number of Stories 1 Heated Floor Area 1448 Total Floor Area 1963 Roof Pitch 6/12

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.

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.

JW spoke w/ Aaron 7.23.08

Columbia County Building Permit Application

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.

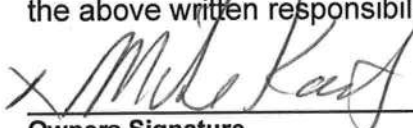
FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

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 BUILDING PERMITEE:

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.

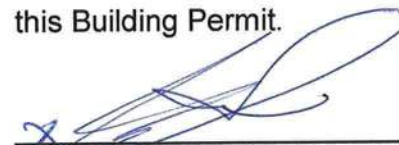
OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.



Owners Signature

455 7245

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.



Contractor's Signature (Permitee)

Contractor's License Number _____
Columbia County
Competency Card Number _____


Affirmed under penalty of perjury to by the Contractor and subscribed before me this 10 day of July 2008.
Personally known ☒ or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission # DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS		www.sunbiz.org			
Home	Contact Us	E-Filing Services	Document Searches	Forms	Help
Previous on List		Next on List		Return To List	
Events		No Name History		<input type="text" value="Entity Name Search"/>	
Detail by Entity Name					
Florida Limited Liability Company					
K&S HOUSING, LLC					
Filing Information					
Document Number	L05000108970				
FEI Number	APPLIED				
Date Filed	11/09/2005				
State	FL				
Status	ACTIVE				
Effective Date	11/10/2005				
Last Event	REINSTATEMENT				
Event Date Filed	10/30/2007				
Event Effective Date	NONE				
Principal Address					
356 SW SMITH LN LAKE CITY FL 32024 Changed 10/30/2007					
Mailing Address					
PO BOX 1191 LAKE CITY FL 32056 Changed 10/30/2007					
Registered Agent Name & Address					
SIMQUE, AARON D 313 SW NIGHTSHADE DR LAKE CITY FL 32024 US Address Changed: 09/14/2006					
Manager/Member Detail					
Name & Address					
Title MGR SIMQUE, AARON D 313 SW NIGHTSHADE DR LAKE CITY FL 32024					
Title MGR KAUTZ, MICHAEL L PO BOX 1191 LAKE CITY FL 32056					

0807-27

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 22-25-16-01718-009

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

1. Description of property (legal description): 22-25-16-01718-009
a) Street (job) Address: 190 NW Bonita way, Lake City, FL 32024
2. General description of improvements: New Construction - SFD

3. Owner Information
a) Name and address: K & S Housing LLC PO Box 2183 Lake City, FL 32024
b) Name and address of fee simple titleholder (if other than owner) NA
c) Interest in property NA

4. Contractor Information
a) Name and address: Aaron Simque Homes PO Box 2183 Lake City, FL 32024
b) Telephone No.: 386-867-0692 Fax No. (Opt.) _____

5. Surety Information
a) Name and address: NA
b) Amount of Bond: _____
c) Telephone No.: _____

Inst. 200812013051 Date: 7/11/2008 Time: 2:58 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1154 P: 1064

6. Lender
a) Name and address: NA
b) Phone No. _____

7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: NA
b) Telephone No.: _____ Fax No. (Opt.) _____

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:

- a) Name and address: NA
b) Telephone No.: _____ Fax No. (Opt.) _____

9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012

The foregoing instrument was acknowledged before me, a Florida Notary, this 10 day of July, 20 08, by:

Linda Roder as notary (type of authority, e.g. officer, trustee, attorney
fact) for K & S Housing (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification _____ Type _____

Notary Signature Linda Roder Notary Stamp or Seal: _____

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

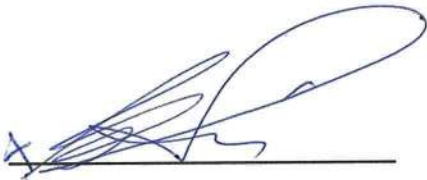
Signature of Natural Person Signing (in line #10 above.)

Notice of Authorization

I, Aaron Simque, do hereby authorize Melanie Roder or Linda Roder,

To be my representative and act on my behalf in all aspects of applying for a

Building permit to be located in Columbia County.

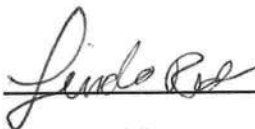


Contractor's signature

7-10-08

Date

Sworn and subscribed before me this 10 day of July, 2008



Notary Public

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Personally known ✓
Produced ID (Type): _____

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 6/30/2008 DATE ISSUED: 7/1/2008

ENHANCED 9-1-1 ADDRESS:

190 NW BONITA WAY

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

22-2S-16-01718-009

Remarks:

LOT 9 BLOCK C, SUWANNEE VALLEY ESTATES S/D

Address Issued By: 
Columbia County 9-1-1 Addressing / GIS Department

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

(0807-27)

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 08-0531

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

KAUTZ/CR 08-4441

Suwannee Valley Estates
Lot 9

Vacant

100'

Vacant

Waterline

120'

Paved drive

Vacant

Site 1

5'

Site 2

56'

TBM is nail in 8" oak

Slight
slope

55'

5'

Swale

Vacant

1 inch = 40 feet.

Site Plan Submitted By Paul H. Land Date 7/24/08
Plan Approved ☒ Not Approved ☐ Date 8-1-08

By Mr. D. Land CPHU

Notes:

PREPARED BY AND RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number:
R01719-001, R01718-009, R01717-003,
R01716-002, R01720-001

TM File No: 05-878

WARRANTY DEED

This Warranty Deed, made this 18th day of November, 2005,
BETWEEN PC LAND AND CATTLE, LLC, A Florida Limited Liability
Company, whose post office address is P.O. Box 2965, Lake City,
Florida 32056, grantor*, and K&S HOUSING, LLC, A Florida Limited
Liability Company, whose post office address is P.O. Box 2183,
Lake City, FL 32056, grantee*.

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

Witnesseth: that said grantor, for and in consideration of the
sum of Ten 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, situate, lying and being
in Columbia County, Florida, to-wit:

Lot 3, Block B, Lots 9, 10, 19 and 20, Block C, Lots 1, 2,
3, 4, 5, 6, 7, 8, 9 and 10, Block D, Lots 2, 3, 6, 7, 10,
11, and 15, Block E, Suwannee Valley Estates, a subdivision
according to the plat thereof as recorded in Plat Book 3,
Page 87, public records, Columbia County, Florida.

AND

Lot 14, Block E, Suwannee Valley Estates, a subdivision
according to the plat thereof as recorded in Plat Book
3, Page 87, public records, Columbia County, Florida,,
less and except the following described parcel:

That portion of Lot 14 lying East of a line running
Northeast from the Southwest corner of Lot 14 to the
Southwest corner of Lot 12 in Block E of Suwannee
Valley Estates, a subdivision according to the plat
thereof recorded in Plat Book 3, Page 87, public
records, Columbia County, Florida.

TOGETHER WITH:

Lot 2, Block A, Suwannee Valley Estates, a subdivision
according to the plat thereof as recorded in Plat Book 3,
Page 87, public records, Columbia County, Florida.

AND

Lot 1, 5 and 9, Block E, Suwannee Valley Estates, a
subdivision according to the plat thereof as recorded in

Plat Book 3, Page 87, public records, Columbia County,
Florida.

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 subject to taxes for the current year and later years and all
valid easements and restrictions of record, if any, which are not
hereby reimposed; and also subject to any claim, right, title or
interest arising from any recorded instrument reserving,
conveying, leasing, or otherwise alienating any interest in the
oil, gas and other minerals. And grantor does warrant the title
to said land and will defend the same against the lawful claims
of all persons whomsoever, subject only to the exceptions set
forth herein.

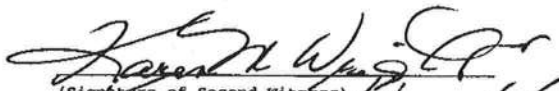
In Witness Whereof, grantor has hereunto set grantor's hand
and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

PC LAND AND CATTLE, LLC


(Signature of First Witness)
TERRY MCDAVID
(Typed Name of First Witness)

BY:  (SEAL)
Leanne G. Philpot, Managing
Member



(Signature of Second Witness)
Karen N. Wright
(Typed Name of Second Witness)

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this
18th day of November, 2005, by Leanne G. Philpot, Managing
Member of PC Land and Cattle, LLC, a Florida Limited Liability
Company, on behalf of said company, who is/are personally known
to me or who has/have produced _____ as identification
and who did not take an oath.

My Commission Expires:




Notary Public

Printed, typed, or stamped name:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Lot 9, Block 'C' Suwannee Valley Est	Builder:	Aaron Simque Homes, Inc.
Address:	Lot: Lot 9, Sub: Suannee Valley, Plat:	Permitting Office:	Columbia County
City, State:	, FL 32055-	Permit Number:	27250
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

- | | |
|---|---|
| <p>1. New construction or existing New <input type="checkbox"/></p> <p>2. Single family or multi-family Single family <input type="checkbox"/></p> <p>3. Number of units, if multi-family 1 <input type="checkbox"/></p> <p>4. Number of Bedrooms 3 <input type="checkbox"/></p> <p>5. Is this a worst case? No <input type="checkbox"/></p> <p>6. Conditioned floor area (ft²) 1448 ft² <input type="checkbox"/></p> <p>7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)</p> <p style="margin-left: 20px;">a. U-factor: Description Area</p> <p style="margin-left: 40px;">(or Single or Double DEFAULT) 7a. (Dble Default) 163.3 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. SHGC:</p> <p style="margin-left: 40px;">(or Clear or Tint DEFAULT) 7b. (Clear) 163.3 ft² <input type="checkbox"/></p> <p>8. Floor types</p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation R=0.0, 165.0(p) ft <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>9. Wall types</p> <p style="margin-left: 20px;">a. Frame, Wood, Exterior R=13.0, 1000.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. Frame, Wood, Adjacent R=13.0, 180.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">d. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">e. N/A <input type="checkbox"/></p> <p>10. Ceiling types</p> <p style="margin-left: 20px;">a. Under Attic R=30.0, 1448.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>11. Ducts(Leak Free)</p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 35.0 ft <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> | <p>12. Cooling systems</p> <p style="margin-left: 20px;">a. Central Unit Cap: 29.0 kBtu/hr <input type="checkbox"/></p> <p style="margin-left: 40px;">SEER: 14.00 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>13. Heating systems</p> <p style="margin-left: 20px;">a. Electric Heat Pump Cap: 29.0 kBtu/hr <input type="checkbox"/></p> <p style="margin-left: 40px;">HSPF: 7.70 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>14. Hot water systems</p> <p style="margin-left: 20px;">a. Electric Resistance Cap: 50.0 gallons <input type="checkbox"/></p> <p style="margin-left: 40px;">EF: 0.90 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Conservation credits <input type="checkbox"/></p> <p style="margin-left: 40px;">(HR-Heat recovery, Solar</p> <p style="margin-left: 40px;">DHP-Dedicated heat pump)</p> <p>15. HVAC credits <input type="checkbox"/></p> <p style="margin-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation,</p> <p style="margin-left: 20px;">HF-Whole house fan,</p> <p style="margin-left: 20px;">PT-Programmable Thermostat,</p> <p style="margin-left: 20px;">MZ-C-Multizone cooling,</p> <p style="margin-left: 20px;">MZ-H-Multizone heating)</p> |
|---|---|

Glass/Floor Area: 0.11

Total as-built points: 18780

Total base points: 21323

PASS

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

PREPARED BY: *[Signature]*

DATE: 6/25/08

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: Lot 9, Sub: Suwannee Valley, Plat: , , FL, 32055-

PERMIT #:

BASE				AS-BUILT								
GLASS TYPES												
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points				
.18	1448.0	18.59	4845.0	1.Double, Clear	W	13.5	8.0	40.0	38.52	0.43	657.0	
				2.Double, Clear	W	1.5	8.0	60.0	38.52	0.96	2214.0	
				3.Double, Clear	W	1.5	8.0	4.0	38.52	0.96	147.0	
				4.Double, Clear	E	9.5	8.0	13.3	42.06	0.47	263.0	
				5.Double, Clear	E	5.5	8.0	15.0	42.06	0.62	391.0	
				6.Double, Clear	E	1.5	8.0	15.0	42.06	0.96	604.0	
				7.Double, Clear	S	1.5	8.0	4.0	35.87	0.92	132.0	
				8.Double, Clear	S	1.5	8.0	12.0	35.87	0.92	397.0	
				As-Built Total:				163.3				
WALL TYPES												
Area X BSPM = Points				Type	R-Value			Area X SPM = Points				
Adjacent	180.0	0.70	126.0	1. Frame, Wood, Exterior	13.0			1000.0	1.50	1500.0		
Exterior	1000.0	1.70	1700.0	2. Frame, Wood, Adjacent	13.0			180.0	0.60	108.0		
Base Total:		1180.0	1826.0	As-Built Total:		1180.0					1608.0	
DOOR TYPES												
Area X BSPM = Points				Type				Area X SPM = Points				
Adjacent	18.6	2.40	44.6	1.Exterior Insulated				20.0	4.10	82.0		
Exterior	20.0	6.10	122.0	2.Adjacent Insulated				18.6	1.60	29.7		
Base Total:		38.6	166.6	As-Built Total:		38.6					111.7	
CEILING TYPES												
Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points				
Under Attic	1448.0	1.73	2505.0	1. Under Attic	30.0			1448.0	1.73 X 1.00	2505.0		
Base Total:		1448.0	2505.0	As-Built Total:		1448.0					2505.0	
FLOOR TYPES												
Area X BSPM = Points				Type	R-Value			Area X SPM = Points				
Slab	165.0(p)	-37.0	-6105.0	1. Slab-On-Grade Edge Insulation	0.0			165.0(p)	-41.20	-6798.0		
Raised	0.0	0.00	0.0									
Base Total:		-6105.0		As-Built Total:		165.0					-6798.0	
INFILTRATION												
Area X BSPM = Points							Area X SPM = Points					
		1448.0	10.21					1448.0	10.21	14784.1		

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: Lot 9, Sub: Suwannee Valley, Plat: , , FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 18021.7				Summer As-Built Points: 17015.8						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
18021.7	0.3250		5857.0	(sys 1: Central Unit 29000btuh ,SEER/EFF(14.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 17016	1.00	(1.09 x 1.000 x 1.00)	0.244	1.000		4521.6
				17015.8	1.00	1.090	0.244	1.000		4521.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: Lot 9, Sub: Suwannee Valley, Plat: , , FL, 32055-

PERMIT #:

BASE				AS-BUILT						
GLASS TYPES										
.18 X	Conditioned	X BWPM =	Points	Type/SC	Overhang Ornt Len Hgt	Area X	WPM X	WOF =	Points	
	Floor Area									
.18	1448.0	20.17	5257.0	1.Double, Clear	W 13.5 8.0	40.0	20.73	1.21	1006.0	
				2.Double, Clear	W 1.5 8.0	60.0	20.73	1.01	1257.0	
				3.Double, Clear	W 1.5 8.0	4.0	20.73	1.01	83.0	
				4.Double, Clear	E 9.5 8.0	13.3	18.79	1.34	334.0	
				5.Double, Clear	E 5.5 8.0	15.0	18.79	1.19	335.0	
				6.Double, Clear	E 1.5 8.0	15.0	18.79	1.02	287.0	
				7.Double, Clear	S 1.5 8.0	4.0	13.30	1.04	55.0	
				8.Double, Clear	S 1.5 8.0	12.0	13.30	1.04	166.0	
				As-Built Total:		163.3			3523.0	
WALL TYPES				Type	R-Value	Area X	WPM =	Points		
Adjacent	180.0	3.60	648.0	1. Frame, Wood, Exterior	13.0	1000.0	3.40		3400.0	
Exterior	1000.0	3.70	3700.0	2. Frame, Wood, Adjacent	13.0	180.0	3.30		594.0	
Base Total:	1180.0		4348.0	As-Built Total:		1180.0			3994.0	
DOOR TYPES				Type		Area X	WPM =	Points		
Adjacent	18.6	11.50	213.5	1.Exterior Insulated		20.0	8.40		168.0	
Exterior	20.0	12.30	246.0	2.Adjacent Insulated		18.6	8.00		148.5	
Base Total:	38.6		459.5	As-Built Total:		38.6			316.5	
CEILING TYPES				Type	R-Value	Area X	WPM X WCM =	Points		
Under Attic	1448.0	2.05	2968.4	1. Under Attic	30.0	1448.0	2.05 X 1.00		2968.4	
Base Total:	1448.0		2968.4	As-Built Total:		1448.0			2968.4	
FLOOR TYPES				Type	R-Value	Area X	WPM =	Points		
Slab	165.0(p)	8.9	1468.5	1. Slab-On-Grade Edge Insulation	0.0	165.0(p)	18.80		3102.0	
Raised	0.0	0.00	0.0							
Base Total:			1468.5	As-Built Total:		165.0			3102.0	
INFILTRATION						Area X	WPM =	Points		
	1448.0	-0.59	-854.3			1448.0	-0.59		-854.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: Lot 9, Sub: Suannee Valley, Plat: , , FL, 32055-

PERMIT #:

BASE				AS-BUILT					
Winter Base Points:		13647.0		Winter As-Built Points:				13049.6	
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
13647.0	0.5540		7560.5	(sys 1: Electric Heat Pump 29000 btuh , EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 13049.6	1.000	(1.069 x 1.000 x 1.00)	0.443	1.000	6177.9
13647.0	0.5540		7560.5	13049.6	1.00	1.069	0.443	1.000	6177.9

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: Lot 9, Sub: Suwannee Valley, Plat: , , FL, 32055-

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	50.0	0.90	3		1.00	2693.56 1.00 8080.7
					As-Built Total:					8080.7

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
5857		7560		7905		21323	4522		6178		8081		18780

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: Lot 9, Sub: Suwannee Valley, Plat: , , FL, 32055-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.9

The higher the score, the more efficient the home.

, Lot: Lot 9, Sub: Suannee Valley, Plat: , , FL, 32055-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 29.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 14.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1448 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 29.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 163.3 ft ²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 163.3 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1000.0 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 180.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1448.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 35.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST
FOR THE FLORIDA RESIDENTIAL BUILDING CODE 2004 with 2005 & 2006
Supplements and One (1) and Two (2) Family Dwellings**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current FLORIDA BUILDING CODES and the Current FLORIDA RESIDENTIAL CODE. ALL PLANS OR DRAWING SHALL PROVIDED 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 FIGURE R301.2(4) of the Residential Code (Florida Wind speed map) SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

GENERAL REQUIREMENTS:

- ✓ Two (2) complete sets of plans containing the following:
- ✓ All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void
- ✓ Condition space (Sq. Ft.) and total (Sq. Ft.) under roof shall be shown on the plans.
- ✓ Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents per FBC 106.1.

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required:

- ✓ Plans or specifications must meet state compliance with FRC Chapter 3
- ✓ The following information must be shown as per section FRC
- ✓ Basic wind speed (3-second gust), miles per hour
- ✓ Wind importance factor and nature of occupancy
- ✓ Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- ✓ 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 and cladding materials not specifically designed by the registered design professional.

Elevations 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
- ✓ e) Building height from the established grade to the roofs highest peak

Floor Plan including:

- Ø Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies and raised floor surfaces located more than 30 inches above the floor or grade
- Ø All exterior and interior shear walls indicated
- Ø Shear wall opening shown (Windows, Doors and Garage doors)
- Ø Emergency escape and rescue opening in each bedroom (net clear opening shown)
- Ø Safety glazing of glass where needed
- Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FRC)
- Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FRC 311)
- Ø Plans must show and identify accessibility of bathroom (see FRC 322)

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

Foundation Plans Per FRC 403:

- Ø a) Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.
- Ø b) All posts and/or column footing including size and reinforcing
- Ø c) Any special support required by soil analysis such as piling.
- Ø d) Assumed load-bearing value of soil 1000 (psf)
- Ø e) Location of horizontal and vertical steel, for foundation or walls (include # size and type)

CONCRETE SLAB ON GRADE Per FRC R506

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

PROTECTION AGAINST TERMITES Per FRC 320:

- Ø 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

Masonry Walls and Stem walls (load bearing & shear Walls) FRC Section R606

- 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

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

Floor Framing System: First and/or second story

- Ø Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer
- Ø Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers
- Ø Girder type, size and spacing to load bearing walls, stem wall and/or piers
- Ø Attachment of joist to girder
- Ø Wind load requirements where applicable
- Ø Show required under-floor crawl space
- Ø Show required amount of ventilation opening for under-floor spaces
- Ø Show required covering of ventilation opening.
- Ø Show the required access opening to access to under-floor spaces
- Ø Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & intermediate of the areas structural panel sheathing
- Ø Show Draft stopping, Fire caulking and Fire blocking
- Ø Show fireproofing requirements for garages attached to living spaces, per FRC section R309
- Ø Provide live and dead load rating of floor framing systems (psf).

WOOD WALL FRAMING CONSTRUCTION FRC CHAPTER 6

- Ø Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls.
- Ø Fastener schedule for structural members per table R602.3 (1) are to be shown.
- Ø 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
- Ø Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems.
- Ø Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FRC Table R502.5 (1)
- Ø Indicate where pressure treated wood will be placed.
- Ø Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas
- Ø A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail

ROOF SYSTEMS:

- Ø Truss design drawing shall meet section FRC R802.10 Wood trusses. Include a layout and truss details and be signed and sealed by Fl. Pro. Eng.
- Ø Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters
- Ø Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details
- Ø Provide dead load rating of trusses

Conventional Roof Framing Layout Per FRC 802:

- Ø Rafter and ridge beams sizes, span, species and spacing
- Ø Connectors to wall assemblies' include assemblies' resistance to uplift rating.
- Ø Valley framing and support details
- Ø Provide dead load rating of rafter system.

ROOF SHEATHING FRC Table R602,3(2) FRC 803

- Ø Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing on the edges & intermediate areas

ROOF ASSEMBLIES FRC Chapter 9

- Ø Include all materials which will make up the roof assemblies covering; with Florida Product Approval numbers for each component of the roof assemblies covering.

FCB Chapter 13 Florida Energy Efficiency Code for Building Construction

- Ø Residential construction shall comply with this code by using the following compliance methods in the FBC Subchapter 13-6, Residential buildings compliance methods. Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area
- Ø Show the insulation R value for the following areas of the structure: Attic space, Exterior wall cavity and Crawl space (if applicable)

HVAC information shown

- Ø Manual J sizing equipment or equivalent computation
- Ø Exhaust fans locations in bathrooms

Plumbing Fixture layout shown

- Ø All fixtures waste water lines shall be shown on the foundation plan

Electrical layout shown including:

- Ø Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- Ø Ceiling fans
- Ø Smoke detectors
- Ø Service panel, sub-panel, location(s) and total ampere ratings

- ✍ 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.
- ✍ Appliances and HVAC equipment and disconnects
- ✍ Arc Fault Circuits (AFCI) in bedrooms
- ✍ Notarized Disclosure Statement for Owner Builders
- ✍ Notice of Commencement Recorded (in the Columbia County Clerk Office) Notice Of Commencement is required to be filed with the building department Before Any Inspections Will Be Done.

Private Potable Water

- ✍ Size of pump motor
- ✍ Size of pressure tank
- ✍ Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

- ✍ Building Permit Application: A current Building Permit Application form is to be completed and submitted for all residential projects.
- ✍ Parcel Number: The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
- ✍ Environmental Health Permit or Sewer Tap Approval: A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
- ✍ City Approval: If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
- ✍ 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 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 8.8 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 8.7 of the Columbia County Land Development Regulations. CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED. A development permit will also be required. The permit cost is \$50.00.
- ✍ 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. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
- ✍ 911 Address: If the project is located in an area where the 911 address has been issued, then the proper Paper work from the 911 Addressing Departments must be submitted. (386) 758-1125

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. NOTIFICATION WILL BE GIVEN WHEN THE APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: Lot 9 Suwannee Valley Estates **Project Name:**

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Mayfair	Entry door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up	General American	Garage Door	
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Danvid	Single Hung Windows	FL 1369
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL	James Hardie	Hardi Board Siding	FL 889-R1
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Tamko	30-year shingles asphalt	FL 673
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives - Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Melanie Roder

Contractor or Contractor's Authorized Agent Signature

Melanie Roder

Print Name

Date

Residential System Sizing Calculation

Summary

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

, FL 32055-

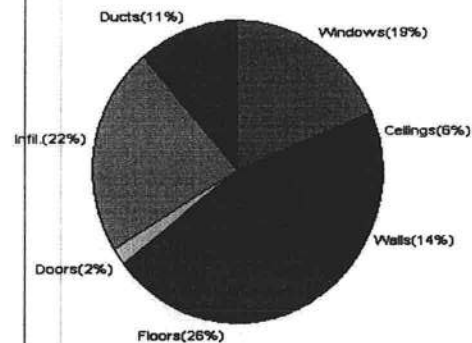
6/26/2008

Location for weather data: Gainesville - User customized: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	24 F
Total heating load calculation	27900 Btuh	Total cooling load calculation	34494 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	103.9 29000	Sensible (SHR = 0.75)	77.9 21750
Heat Pump + Auxiliary(0.0kW)	103.9 29000	Latent	110.4 7250
		Total (Electric Heat Pump)	84.1 29000

WINTER CALCULATIONS

Winter Heating Load (for 1448 sqft)

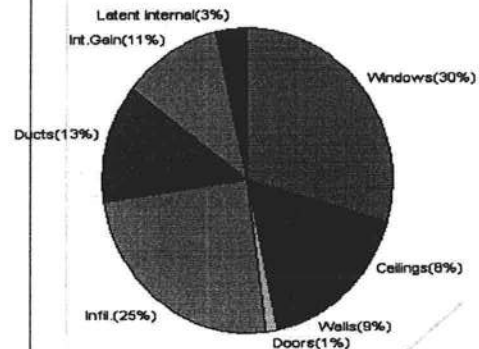
Load component		Load	
Window total	163 sqft	5257	Btuh
Wall total	1180 sqft	3875	Btuh
Door total	39 sqft	499	Btuh
Ceiling total	1448 sqft	1706	Btuh
Floor total	165 sqft	7204	Btuh
Infiltration	154 cfm	6256	Btuh
Duct loss		3103	Btuh
Subtotal		27900	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		27900	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1448 sqft)

Load component		Load	
Window total	163 sqft	10250	Btuh
Wall total	1180 sqft	3091	Btuh
Door total	39 sqft	472	Btuh
Ceiling total	1448 sqft	2721	Btuh
Floor total		0	Btuh
Infiltration	135 cfm	3551	Btuh
Internal gain		3780	Btuh
Duct gain		4060	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		27925	Btuh
Latent gain(ducts)		430	Btuh
Latent gain(infiltration)		4939	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		6569	Btuh
TOTAL HEAT GAIN		34494	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

[Signature]
6/26/08

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

, FL 32055-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

6/26/2008

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
2	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	4.0		32.2	129 Btuh
4	2, Clear, Metal, 0.87	E	13.3		32.2	428 Btuh
5	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
6	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
7	2, Clear, Metal, 0.87	S	4.0		32.2	129 Btuh
8	2, Clear, Metal, 0.87	S	12.0		32.2	386 Btuh
Window Total			163(sqft)			5257 Btuh
Walls	Type	R-Value	Area X		HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1000		3.3	3284 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180		3.3	591 Btuh
Wall Total			1180			3875 Btuh
Doors	Type		Area X		HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		19		12.9	240 Btuh
Door Total			39			499Btuh
Ceilings	Type/Color/Surface	R-Value	Area X		HTM=	Load
1	Vented Attic/D/Shin	30.0	1448		1.2	1706 Btuh
Ceiling Total			1448			1706Btuh
Floors	Type	R-Value	Size X		HTM=	Load
1	Slab On Grade	0	165.0 ft(p)		43.7	7204 Btuh
Floor Total			165			7204 Btuh
Envelope Subtotal:						18541 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.80	11584	1180	154.5	6256 Btuh
Ductload	(DLM of 0.125)					3103 Btuh
All Zones	Sensible Subtotal All Zones					27900 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

, FL 32055-

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

6/26/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible	27900 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27900 Btuh

EQUIPMENT

1. Electric Heat Pump	#	29000 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

, FL 32055-

Reference City: Gainesville (User customized) Winter Temperature Difference: 37.0 F

6/26/2008

Component Loads for Zone #1: Main						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	W	40.0		32.2	1288 Btuh
2	2, Clear, Metal, 0.87	W	60.0		32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	4.0		32.2	129 Btuh
4	2, Clear, Metal, 0.87	E	13.3		32.2	428 Btuh
5	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
6	2, Clear, Metal, 0.87	E	15.0		32.2	483 Btuh
7	2, Clear, Metal, 0.87	S	4.0		32.2	129 Btuh
8	2, Clear, Metal, 0.87	S	12.0		32.2	386 Btuh
	Window Total		163(sqft)			5257 Btuh
Walls	Type	R-Value	Area X		HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1000		3.3	3284 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180		3.3	591 Btuh
	Wall Total		1180			3875 Btuh
Doors	Type		Area X		HTM=	Load
1	Insulated - Exterior		20		12.9	259 Btuh
2	Insulated - Adjacent		19		12.9	240 Btuh
	Door Total		39			499Btuh
Ceilings	Type/Color/Surface	R-Value	Area X		HTM=	Load
1	Vented Attic/D/Shin	30.0	1448		1.2	1706 Btuh
	Ceiling Total		1448			1706Btuh
Floors	Type	R-Value	Size X		HTM=	Load
1	Slab On Grade	0	165.0 ft(p)		43.7	7204 Btuh
	Floor Total		165			7204 Btuh
			Zone Envelope Subtotal:			18541 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	Load
	Natural	0.80	11584	1180	154.5	6256 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)				(DLM of 0.125)	3103 Btuh
Zone #1	Sensible Zone Subtotal					27900 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

, FL 32055-

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

6/26/2008

WHOLE HOUSE TOTALS

	Subtotal Sensible		27900 Btuh
	Ventilation Sensible		0 Btuh
	Total Btuh Loss		27900 Btuh

EQUIPMENT

1. Electric Heat Pump	#		29000 Btuh
-----------------------	---	--	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

, FL 32055-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 6/26/2008

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	W	13.5f	8ft.	40.0	40.0	0.0	35	86	1402	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	35	86	5136	Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	4.0	0.0	4.0	35	86	342	Btuh
4	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	13.3	13.1	0.2	35	86	478	Btuh
5	2, Clear, 0.87, None,N,N	E	5.5ft	8ft.	15.0	4.7	10.3	35	86	1047	Btuh
6	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	35	86	1284	Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	35	40	140	Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	12.0	12.0	0.0	35	40	421	Btuh
Window Total					163 (sqft)					10250 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1000.0			2.7		2707 Btuh	
2	Frame - Wood - Adj	13.0/0.09			180.0			2.1		383 Btuh	
Wall Total					1180 (sqft)					3091 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				20.0			12.3		245 Btuh	
2	Insulated - Adjacent				18.6			12.3		227 Btuh	
Door Total					39 (sqft)					472 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			1448.0			1.9		2721 Btuh	
Ceiling Total					1448 (sqft)					2721 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			165 (ft(p))			0.0		0 Btuh	
Floor Total					165.0 (sqft)					0 Btuh	
					Envelope Subtotal:					16534 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)	CFM=		Load	
	SensibleNatural	0.70			11584		1180	154.5		3551 Btuh	
Internal gain		Occupants			Btuh/occupant		Appliance		Load		
		6			X 230		+		2400		3780 Btuh
					Sensible Envelope Load:					23865 Btuh	
Duct load					(DGM of 0.170)					4060 Btuh	
					Sensible Load All Zones					27925 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

, FL 32055-

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

6/26/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23865 Btuh
	Sensible Duct Load	4060 Btuh
	Total Sensible Zone Loads	27925 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	27925 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4939 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	430 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6569 Btuh
	TOTAL GAIN	34494 Btuh

EQUIPMENT

1. Central Unit	#	29000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

, FL 32055-

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 6/26/2008

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	W	13.5f	8ft.	40.0	40.0	0.0	35	86	1402	Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	35	86	5136	Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	4.0	0.0	4.0	35	86	342	Btuh
4	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	13.3	13.1	0.2	35	86	478	Btuh
5	2, Clear, 0.87, None,N,N	E	5.5ft	8ft.	15.0	4.7	10.3	35	86	1047	Btuh
6	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	35	86	1284	Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	35	40	140	Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	12.0	12.0	0.0	35	40	421	Btuh
Window Total					163 (sqft)					10250 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1000.0		2.7		2707 Btuh		
2	Frame - Wood - Adj	13.0/0.09			180.0		2.1		383 Btuh		
Wall Total					1180 (sqft)				3091 Btuh		
Doors	Type	R-Value			Area (sqft)		HTM		Load		
1	Insulated - Exterior				20.0		12.3		245 Btuh		
2	Insulated - Adjacent				18.6		12.3		227 Btuh		
Door Total					39 (sqft)				472 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			1448.0		1.9		2721 Btuh		
Ceiling Total					1448 (sqft)				2721 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			165 (ft(p))		0.0		0 Btuh		
Floor Total					165.0 (sqft)				0 Btuh		
					Zone Envelope Subtotal:					16534 Btuh	
Infiltration	Type	ACH			Volume(cuft)		wall area(sqft)		CFM=		Load
	SensibleNatural	0.70			11584		1180		135.1		3551 Btuh
Internal gain		Occupants			Btuh/occupant		Appliance				Load
		6			X 230		+		2400		3780 Btuh
					Sensible Envelope Load:					23865 Btuh	
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)						(DGM of 0.170)				4060 Btuh
							Sensible Zone Load				27925 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

, FL 32055-

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

6/26/2008

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	23865 Btuh
	Sensible Duct Load	4060 Btuh
	Total Sensible Zone Loads	27925 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	27925 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4939 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	430 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6569 Btuh
	TOTAL GAIN	34494 Btuh

EQUIPMENT

1. Central Unit	#	29000 Btuh
-----------------	---	------------

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Project Title:
Lot 9, Block 'C' Suwannee Valley Est

Code Only
Professional Version
Climate: North

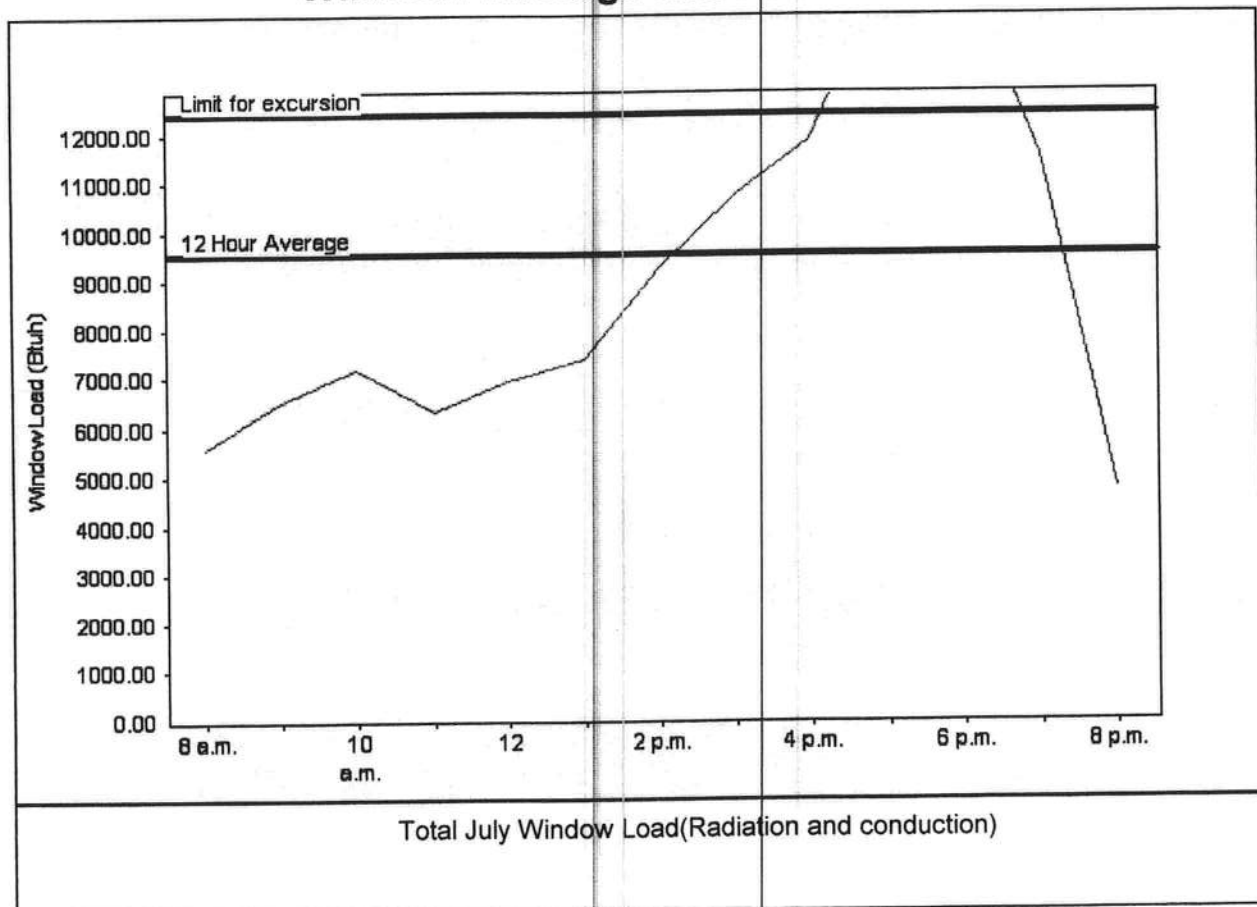
6/26/2008

, FL 32055-

Weather data for: Gainesville - User customized

Summer design temperature	99 F	Average window load for July	9531 Btuh
Summer setpoint	75 F	Peak window load for July	15853 Btu
Summer temperature difference	24 F	Excursion limit(130% of Ave.)	12391 Btu
Latitude	29 North	Window excursion (July)	3462 Btuh

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2





Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

To: Melinda Roder

Fax: 386.758.2282

From : Brian L. Kepner, County Planner

Fax: 386.758.2160

Number of Pages : 1

Date : 22 July 2008

RE: Building Permit Application 0807-27, K & S Housing

Dear Melinda:

The above referenced building permit application is located within an Agriculture-3 (A-3) zoning district. The setback requirements in this district are as follows; 30 feet from the front, 25 feet from the sides and 25 feet from the rear. The application and site plan submitted shows the distance from the front property line to be 27 feet. Please submit a revised site plan as the house will have to be moved back three feet. If the owners wish to leave the house as indicated on the application, a variance would have to be approved. Variances require a public hearing before the Board of Adjustment and there is a \$750.00 fee involved. Applications are available here at the Building and Zoning Department.

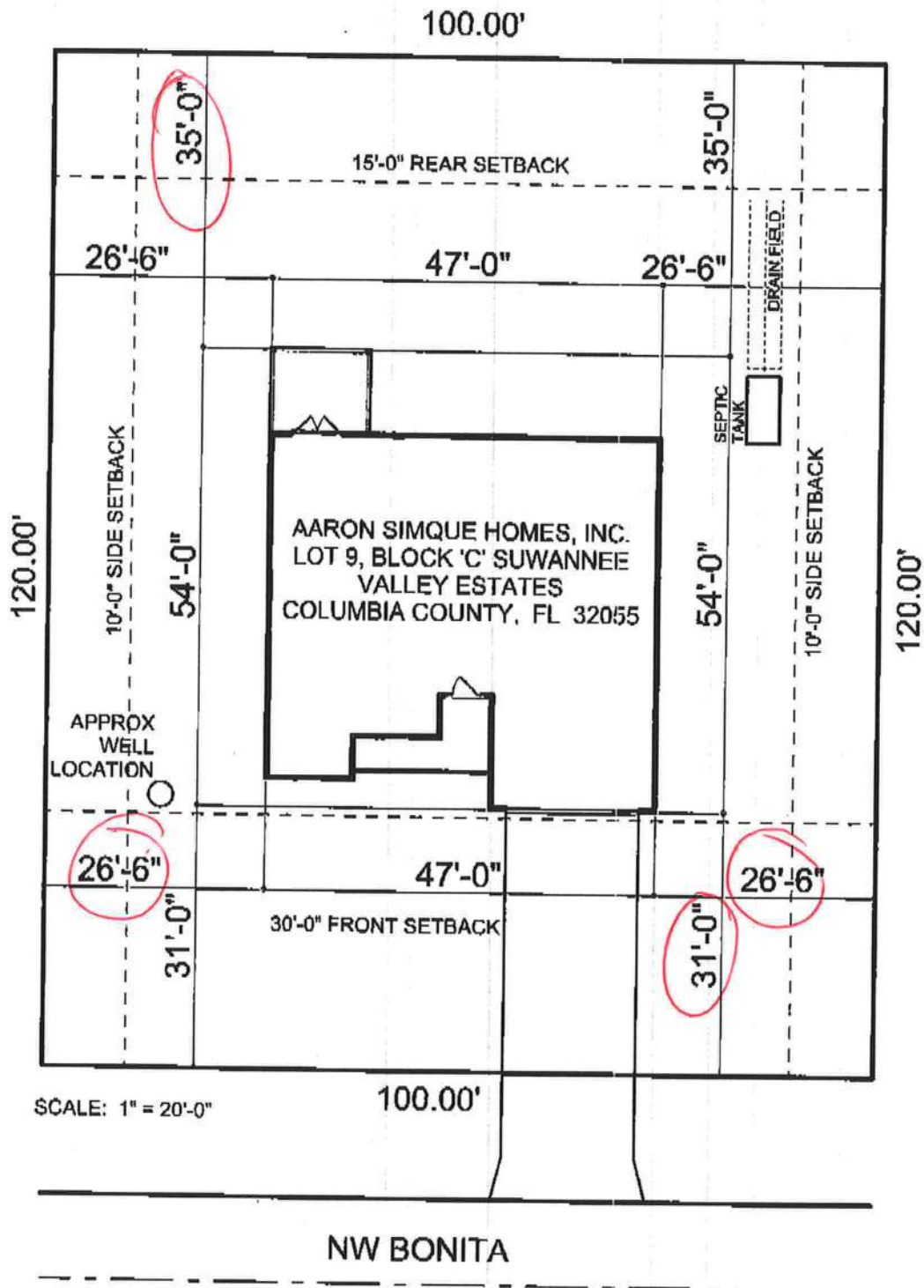
If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Kepner", written over a red diagonal line.

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.



PERMIT # 0807-27, K & S HOUSING

FROM : COLUMBIA CO BUILDING + ZONING

FAX NO. : 386-758-2160

Jul. 22 2008 12:02PM P1

Att: Will



Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

To: Melinda Roder

Fax: 386.758.2282

From : Brian L. Kepner, County Planner

Fax: 386.758.2160

Number of Pages : 1

Date : 22 July 2008

RE: Building Permit Application 0807-27, K. & S Housing

Dear Melinda:

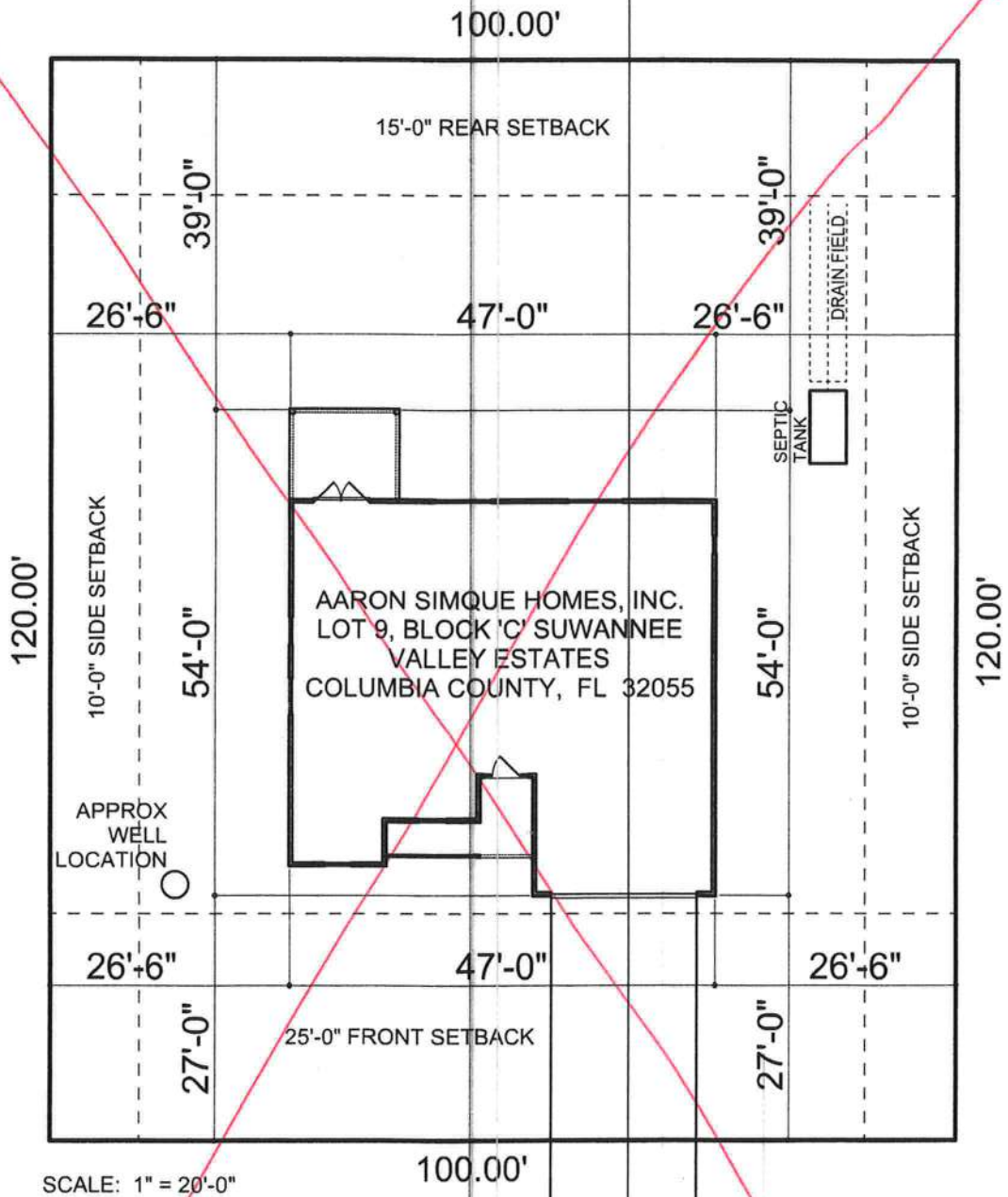
The above referenced building permit application is located within an Agriculture-3 (A-3) zoning district. The setback requirements in this district are as follows; 30 feet from the front, 25 feet from the sides and 25 feet from the rear. The application and site plan submitted shows the distance from the front property line to be 27 feet. Please submit a revised site plan as the house will have to be moved back three feet. If the owners wish to leave the house as indicated on the application, a variance would have to be approved. Variances require a public hearing before the Board of Adjustment and there is a \$750.00 fee involved. Applications are available here at the Building and Zoning Department.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

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NW BONITA

See revised site plan dated July 22, 2008



0867-27

SUWANNEE VALLEY ESTATES

BR 3, Pg. 8
RECORDED IN PLAT BOOK 3
PAGE 87



DESCRIPTION:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 2 SOUTH, RANGE 16 EAST, AND RUN THENCE NORTHERLY ALONG THE WEST LINE OF SAID SECTION 22, 85.0 FEET TO THE NORTHWEST CORNER OF SUWANNEE ACRES ACCORDING TO THE PLAT RECORDED IN PLAT BOOK 3, PAGE 39, FOR A POINT OF BEGINNING, THENCE N1°07'45"E, ALONG THE WEST LINE OF SECTION 22, 123.415 FEET TO THE SOUTHWEST CORNER OF NW1/4, SECTION 22, 123.415 FEET TO THE 398.51 FEET THENCE N70°46'E, 500 FEET THENCE S79°14'E, PARALLEL TO U.S. HIGHWAY NO. 41, 330.0 FEET THENCE N70°46'E, 270.0 FEET THENCE S79°14'E, ALONG THE WEST LINE OF U.S. HIGHWAY NO. 41, 123.65 FEET THENCE S89°10'W, ALONG THE NORTH LINE OF SAID SUWANNEE ACRES, 124.25 FEET TO THE POINT OF BEGINNING.

DEDICATION:

KNOW ALL MEN BY THESE PRESENTS THAT ORIN D. LEE, AND HELEN J. LEE, HIS WIFE, HAVE CAUSED THE LANDS HEREON DESCRIBED TO BE SURVEYED, LAYOUT, SUBDIVIDED, AND PLATTED TO BE KNOWN AS SUWANNEE VALLEY ESTATES, AND DEDICATE THE STREETS AS HEREON SHOWN TO THE USE OF THE PUBLIC.

WITNESS: Orin D. Lee SIGNED: Orin D. Lee

WITNESS: Helen J. Lee SIGNED: Helen J. Lee

ACKNOWLEDGEMENT:
STATE OF FLORIDA:
COUNTY OF COLUMBIA:

ON THIS 9th DAY OF JANUARY, 1969, PERSONALLY APPEARED BEFORE ME ORIN D. LEE, AND HELEN J. LEE, HIS WIFE, TO ME WELL KNOWN AND KNOWN TO ME TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING DEDICATION FOR THE PURPOSES THEREIN EXPRESSED.

WITNESS MY HAND AND OFFICIAL SEAL AT WHITE SPRINGS, STATE OF FLORIDA THIS 9th DAY OF JANUARY, 1969, SIGNED: [Signature]
NOTARY PUBLIC, IN
SUWANNEE CERTIFICATE:

I HEREBY CERTIFY THAT I AM A DULY QUALIFIED LAND SURVEYOR AND THAT THE LAND HEREON DESCRIBED HAS BEEN SURVEYED, LAYOUT, SUBDIVIDED, AND PLATTED AS SHOWN ON THIS PLAT UNDER MY DIRECTION AND THAT R.R.'S HAVE BEEN SET.

SIGNED: [Signature]
B. S. INGLE, LAND SURVEYOR, P.L.A. CERT. NO.

APPROVED BY BOARD OF COUNTY COMMISSIONERS, COLUMBIA COUNTY, FLORIDA

SIGNED: [Signature], CHAIRMAN

ATTEST: [Signature], CLERK

DATE: Jan. 14, 1969

Sub. 710- 69-5-52
STATE OF FLORIDA, COUNTY OF COLUMBIA
This is a plat of land in the
County of Columbia, State of Florida,
containing 13.62 acres and recorded in
Plat Book 3, Page 87.
Witness my hand and official seal this 14th day of
January, 1969.
By: [Signature]
N. E. CRICK, Clerk Circuit Court



Cal-Tech Testing, Inc.

- Engineering
 - Geotechnical
 - Environmental
- Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902

Att: David

27250

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 08-00413

DATE TESTED: 8/12/08

DATE REPORTED: 8/15/08

PROJECT:	Mike Kautz Spec House, Lake City
CLIENT:	Mike Kautz Painting, PO Box 1191, Lake City, FL 32056
GENERAL CONTRACTOR:	Mike Kautz Painting
EARTHWORK CONTRACTOR:	Mike Kautz Painting
INSPECTOR:	Richard Kramer
ASTM METHOD (D-2922) Nuclear	SOIL USE BUILDING FILL
SPECIFIED REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	MAXIMUM DENSITY
1	5' South of NE Corner x 6' West of NE Corner	12"	122.0	10.4	110.5	1	115.9	95%
2	12' North of SE Corner x 20' West of SE Corner	12"	120.9	9.7	110.2	1	115.9	95%
3	12' East of NW Corner x 8' South of NW Corner	12"	119.6	8.1	110.6	1	115.9	95%

REMARKS: The Above Tests Meet Specified Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Light Brown Fine Sand	115.9	9.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Reviewed By:

Pending Signature

Linda M. Creamer
President - CEO

Date:
Licensed, Florida No: 57842

ee

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

COLUMBIA COUNTY OFFICE CALVARY

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 22-2S-16-01718-009

Building permit No. 000027250

Use Classification SFD, UTILITY

Fire: 64.20

Permit Holder AARON SIMQUE

Waste: 167.50

Owner of Building K&S HOUSING

Total: 231.70

Location: 190 NW BONITA WAY

Date: 12/19/2008



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Builders FirstSource
2525 E. Duval St.
Lake City, FL 32055

Exposure: B

License # : 34869

A circular professional engineer seal for Julius Lee. The outer ring contains the text "JULIUS LEE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is arched over the license number "NO. 34869". Below the number, it says "STATE OF FLORIDA". A large, stylized signature or scribble is drawn across the center of the seal.

By julius lee at 3:32 pm, Jul 08, 2008

© Builders FirstSource, Inc. 2002

BEARING HEIGHT SCHEDULE

8' 0"

INDICATES CATH. CLG.

NOTES:

- 1) REFER TO MB 91 (RECOMMENDATIONS FOR BEARING WALLS AND BEAMS) AND REFER TO ENGINEER DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE CONSIDEREDLY DECKED OR REFER TO DETAIL V05 FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2' OC MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) 5/4x2 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSS HANGERS TO BE SHIPSON H026 UNLESS OTHERWISE NOTED. ALL LOAD TRUSSES MUST BE SHIPSON H042 UNLESS OTHERWISE NOTED.
- 8) BEAM/HEADER/INTEL (NOK) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND WALLS. ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE ADJUST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Expedited Delivery Date _____

Approved by _____ Date _____



Bunnell
PHONE: 904-437-3348 FAX: 904-437-3404
JACKSONVILLE

PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 386-795-6804 FAX: 386-795-7973

Sanford
PHONE: 407-322-0094 FAX: 407-322-5953

SUBJECT:

AARON SIMONE HOMES

LEGAL ADDRESS:

LOT 9 SUWANNEE VALLEY ST.

MODEL:

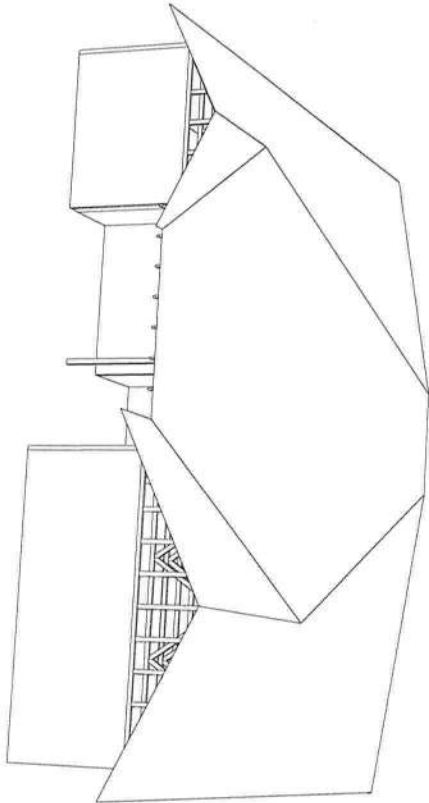
144B

DATE:

07/07/06

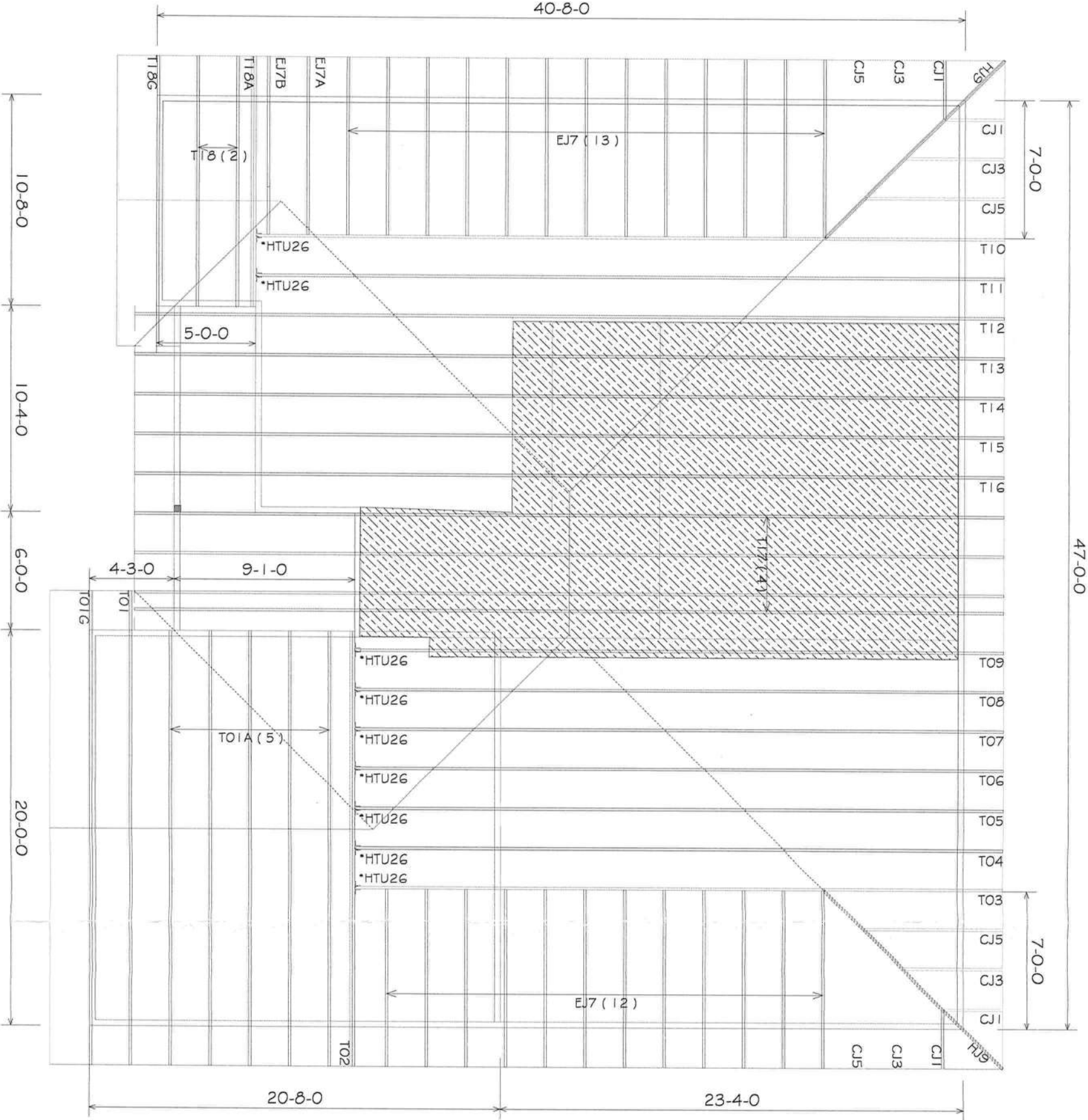
SCALE: NTS

JOB # L282743



ROOFLINE TRUSS HANGER LIST

Truss	Location	Material	Product	Member
Order : T16A	7-0-12	55T	*HTU26	T10
	9-0-12	55T	*HTU26	T11
Order : T02	7-0-12	55T	*HTU26	T03
	9-0-12	55T	*HTU26	T04
	11-0-12	55T	*HTU26	T05
	13-0-12	55T	*HTU26	T06
	15-0-12	55T	*HTU26	T07
	17-0-12	55T	*HTU26	T08
	19-0-12	55T	*HTU26	T09



TRUSS INFORMATION:

ROOF PITCH: 6/12

CEILING: 3/12 @ GREAT ROOM/FOYER

OVERHANG: 2' 0"

HANGER LIST:

9 - HTU26

VALLEY:

BY OTHERS

NOTE: GARAGE WALLS BEARING
ALL HEADERS AND BEAMS BY OTHERS

FEEs:

ROAD IMPACT FEE \$1,046.00 CODE 210 UNIT 1
10100003632400

EMS IMPACT FEE \$29.88
10300003632210

FIRE PROTECTION IMPACT FEE \$78.63
10200003632220

CORRECTIONS IMPACT FEE \$409.16
00100003632200

SCHOOL IMPACT FEE \$1,500.00
00100003632900

TOTAL FEES CHARGED \$3,063.67 CHECK NUMBER _____