

DATE 08/18/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023508

APPLICANT GEORGE JONES PHONE 752-4560

ADDRESS 9291 SW SR 247 LAKE CITY FL 32024

OWNER GEORGE JONES PHONE 752-4560

ADDRESS 9291 SW SR 247 LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE \_\_\_\_\_

LOCATION OF PROPERTY 90 W, L 247 GO 9.5 MILES ON THE LEFT SIDE (NEW CULVERT)  
MAILBOX ON THE RIGHT SIDE WITH ADDRESS 9291 ON IT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 64650.00

HEATED FLOOR AREA 1293.00 TOTAL AREA 1584.00 HEIGHT 16.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 01-5S-15-00423-002 SUBDIVISION \_\_\_\_\_

LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 6.00

Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_  
FDOT 05-0548-N BK \_\_\_\_\_ N \_\_\_\_\_  
Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance \_\_\_\_\_ New Resident \_\_\_\_\_

COMMENTS: FDOT LETTER RECIEVED-APPROVED THE DRIVEWAY, NOC ON FILE  
ENGINEERING LETTER STATING 12" ABOVE FINISED GRADE IS APPROVED  
MH WILL BE REMOVED ONCE SFD COMPLETED Check # or Cash 2522

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power \_\_\_\_\_ Foundation \_\_\_\_\_ Monolithic \_\_\_\_\_ (footer/Slab)  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Under slab rough-in plumbing \_\_\_\_\_ Slab \_\_\_\_\_ Sheathing/Nailing \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Framing \_\_\_\_\_ Rough-in plumbing above slab and below wood floor \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Electrical rough-in \_\_\_\_\_ Heat & Air Duct \_\_\_\_\_ Peri. beam (Lintel) \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Permanent power \_\_\_\_\_ C.O. Final \_\_\_\_\_ Culvert \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ Pool \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Reconnection \_\_\_\_\_ Pump pole \_\_\_\_\_ Utility Pole \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

M/H Pole \_\_\_\_\_ Travel Trailer \_\_\_\_\_ Re-roof \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

BUILDING PERMIT FEE \$ 325.00 CERTIFICATION FEE \$ 7.92 SURCHARGE FEE \$ 7.92

MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_

FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ TOTAL FEE 390.84

INSPECTORS OFFICE LHM CLERKS OFFICE CH

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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVINCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

**FAX  
MEMORANDUM****MEMORANDUM****FLORIDA DEPARTMENT OF TRANSPORTATION**

**To:** Mr. John Kerce, Dept. Director  
Columbia Co. Building & Zoning Dept.  
**Fax No:** 904-758-2160

**From:** Neil E. Miles, FDOT Permits Coord.  
**Date:** 6-28-05 **Fax No.** 904-961-7180  
**Attention:** In-House Staff

☐ Sign and return. ☐ For your files. ☐ Please call me. ☒ FYI ☐ For Review

**REF:** Notice of Driveway Access Review / Inspected On: 8-16-05

**PROJECT:** Construction of a 16 ft. wide Earth/Limerock, Residential Access

**PROPT. OWNER:** George B. Jones,, Propt. Landowner

**PROPOSED:** Single Residential Access Connection (Safety Upgrade to Existing Drive)

**PERMITTEE'S MAILING ADDRESS:** 9291 SW State Road 247, L.C., Fl. 32024

**COUNTY PARCEL ID No:** 01-55-00423-002/ **CONTRACTOR:** Steve Jerrell

**FDOT Permit No:** 05-A-292-0032 (Safety Upgrade)

**Contractor's Phone No.** () / **Engineer:** N/A

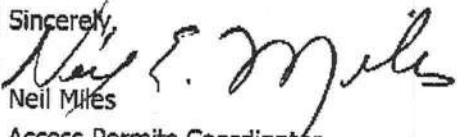
**Mr. Kerce:**

The property owner was permitted a new single residential, 16 foot wide rural earth/limerock surfaced connection. The new driveway connection was inspected today and has passed FDOT inspection.

The Permittee has now satisfied those permit requirements for FDOT ingress and egress purposes and has received a final PASSING inspection from our office. ***Please accept this as our notice of same and lift any Columbia County Permit restrictions that may have applied to this site due to State FDOT Access compliances.***

If further information is required on this project please do not hesitate to contact this office for additional access permitting information details. My office number is 961-7193 or 961-7180.

Sincerely,

  
Neil Miles

Access Permits Coordinator

**It's great to have folks like you to work with, thanks again for your assistance!**



**Columbia County Property  
Appraiser**
**2005 Proposed Values**

DB Last Updated: 6/2/2005

Parcel: 01-5S-15-00423-002 HX

[Tax Records](#) | [Property Card](#) | [Interactive GIS Map](#) | [Print](#)
**Owner & Property Info**

&lt;&lt; Prev Search Result: 2 of 2

<b>Owner's Name</b>	JONES GEORGE B
<b>Site Address</b>	SR 247
<b>Mailing Address</b>	9291 SW STATE ROAD 247 LAKE CITY, FL 32024
<b>Brief Legal</b>	COMM SW COR OF NW1/4 OF SE1/4 FOR POB, RUN N 411.21 FT TO S R/W SR-247, RUN NE ALONG S

<b>Use Desc. (code)</b>	MOBILE HOM (000200)
<b>Neighborhood</b>	1515.00
<b>Tax District</b>	3
<b>UD Codes</b>	MKTA02
<b>Market Area</b>	02
<b>Total Land Area</b>	6.000 ACRES

**Property & Assessment Values**

<b>Mkt Land Value</b>	cnt: (2)	\$27,200.00
<b>Ag Land Value</b>	cnt: (0)	\$0.00
<b>Building Value</b>	cnt: (1)	\$6,176.00
<b>XFOB Value</b>	cnt: (1)	\$300.00
<b>Total Appraised Value</b>		\$33,676.00

<b>Just Value</b>	\$33,676.00
<b>Class Value</b>	\$0.00
<b>Assessed Value</b>	\$25,470.00
<b>Exempt Value</b>	(code: HX) \$25,000.00
<b>Total Taxable Value</b>	\$470.00

**Sales History**

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
4/22/1991	744/2310	WD	V	U	03	\$0.00

**Building Characteristics**

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	MOBILE HME (000800)	1981	Alum Siding (26)	728	728	\$6,176.00
Note: All S.F. calculations are based on exterior building dimensions.						

**Extra Features & Out Buildings**

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0294	SHED WOOD/	1993	\$300.00	1.000	0 x 0 x 0	(.00)

**Land Breakdown**

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000102	SFR/MH (MKT)	6.000 AC	1.00/1.00/1.00/1.00	\$4,200.00	\$25,200.00
009945	WELL/SEPT (MKT)	1.000 UT - (.000AC)	1.00/1.00/1.00/1.00	\$2,000.00	\$2,000.00

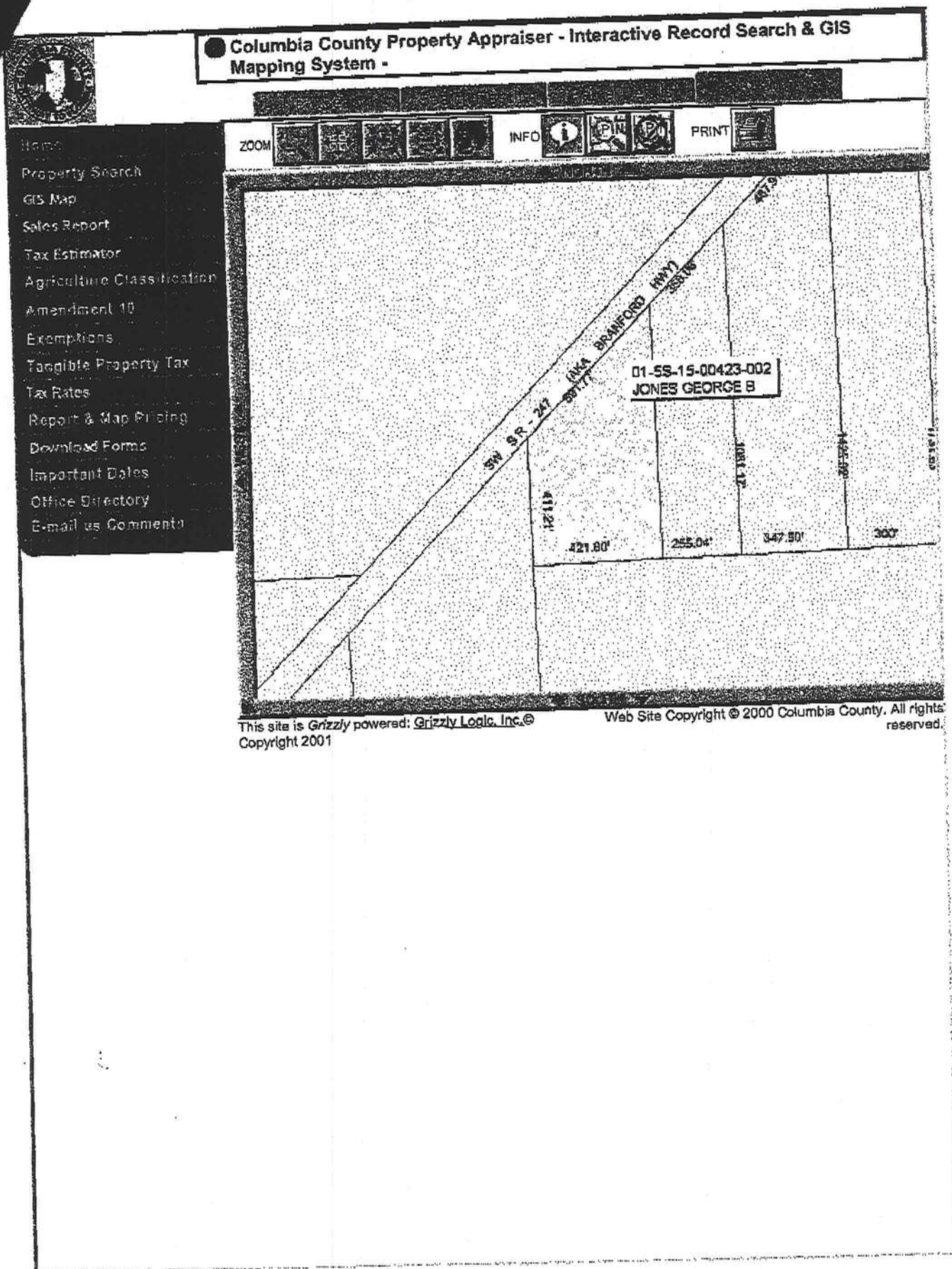
Columbia County Property Appraiser

DB Last Updated: 6/2/2005

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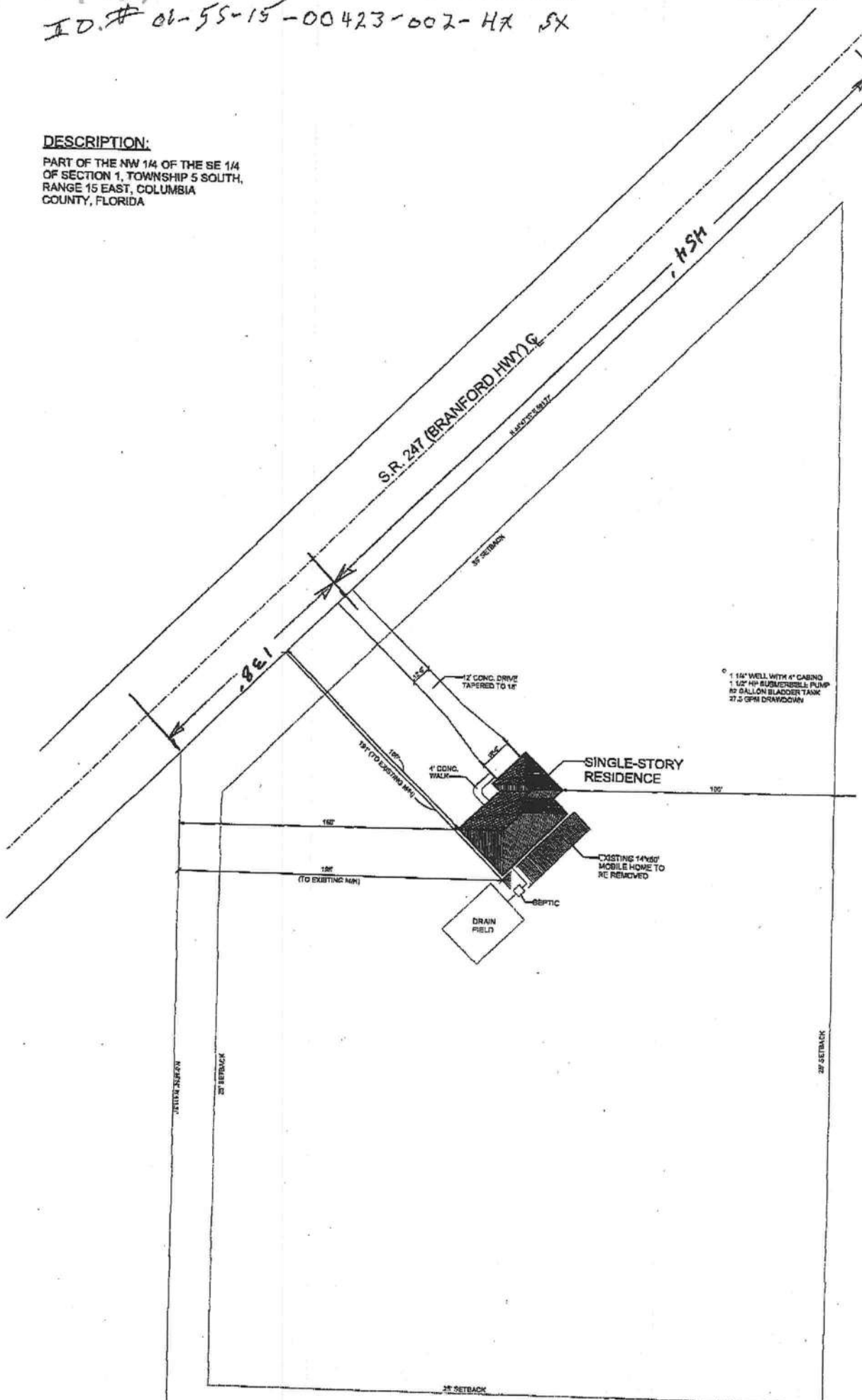


7/19/2005

ID. # 01-55-15-00423-002-HA SX

DESCRIPTION:

PART OF THE NW 1/4 OF THE SE 1/4  
OF SECTION 1, TOWNSHIP 5 SOUTH,  
RANGE 15 EAST, COLUMBIA  
COUNTY, FLORIDA





# Columbia County Building Permit Application

For Office Use Only Application # 0505-111 Date Received 5/27/05 By GA Permit # 2-3508  
Application Approved by - Zoning Official BZK Date 08-07-05 Plans Examiner OK JH Date 8-10-05  
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
Comments Engineer letter provided stating 1st Floor Elevation FOOT ATTACHED  
Residential 1st/2nd needed for road

Power Co. City

Applicants Name George B Jones Phone 752 4560  
Address 9291 SW SR 247 Lake City Fl 32024  
Owners Name George B Jones Phone 752 4560  
911 Address 9291 SW SR 247 Lake City Fl 32024  
Contractors Name George B Jones Phone 752 4560  
Address 9291 SW SR 247 Lake City Fl 32024  
Fee Simple Owner Name & Address George B Jones 9291 SW SR 247 lake City Fl 32024  
Bonding Co. Name & Address none  
Architect/Engineer Name & Address Freeman Design 161 NW Madison St Suite 102 Lake City  
Mortgage Lenders Name & Address none

Property ID Number 01-5S-15-00423-002 HX SX Estimated Cost of Construction \_\_\_\_\_  
Subdivision Name \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
Driving Directions: Approx. 9.5m From US Hwy90 on SR247: on the ~~left~~ side  
(~~mailbox~~) (L) mailbox on the (R) 9291 on Mailbox

Type of Construction wood frame Number of Existing Dwellings on Property 4017  
Total Acreage 6± Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
Actual Distance of Structure from Property Lines - Front 96 Side 169 Side 190 Rear 326  
Total Building Height 15-1 1/2 Number of Stories 1 Heated Floor Area 1293 sf Roof Pitch 4/12  
1584

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.

OWNERS AFFIDAVIT: 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.

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

George B Jones  
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

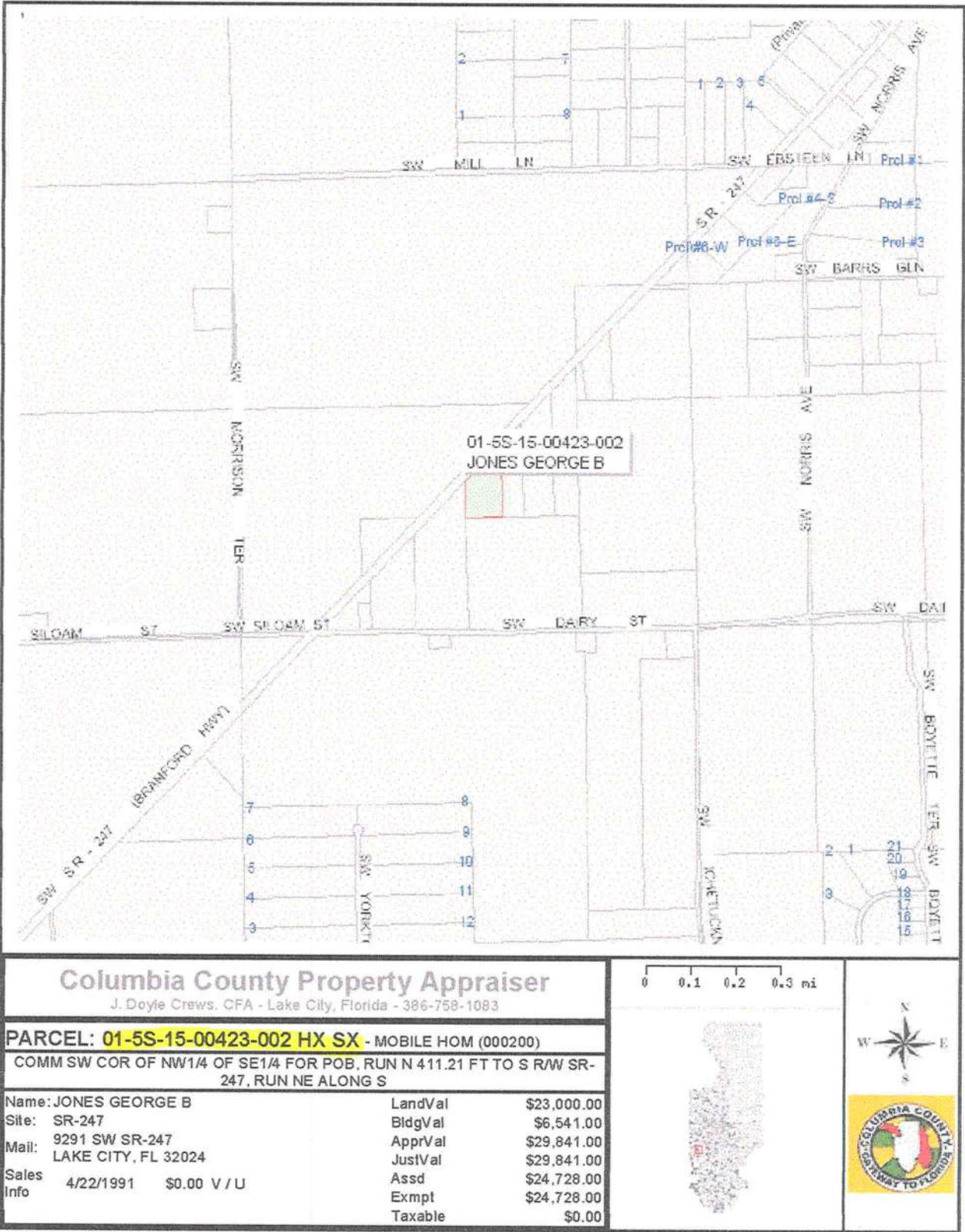
Sworn to (or affirmed) and subscribed before me  
this 27th day of MAY 20 05.  
Personally known \_\_\_\_\_ or Produced Identification DL

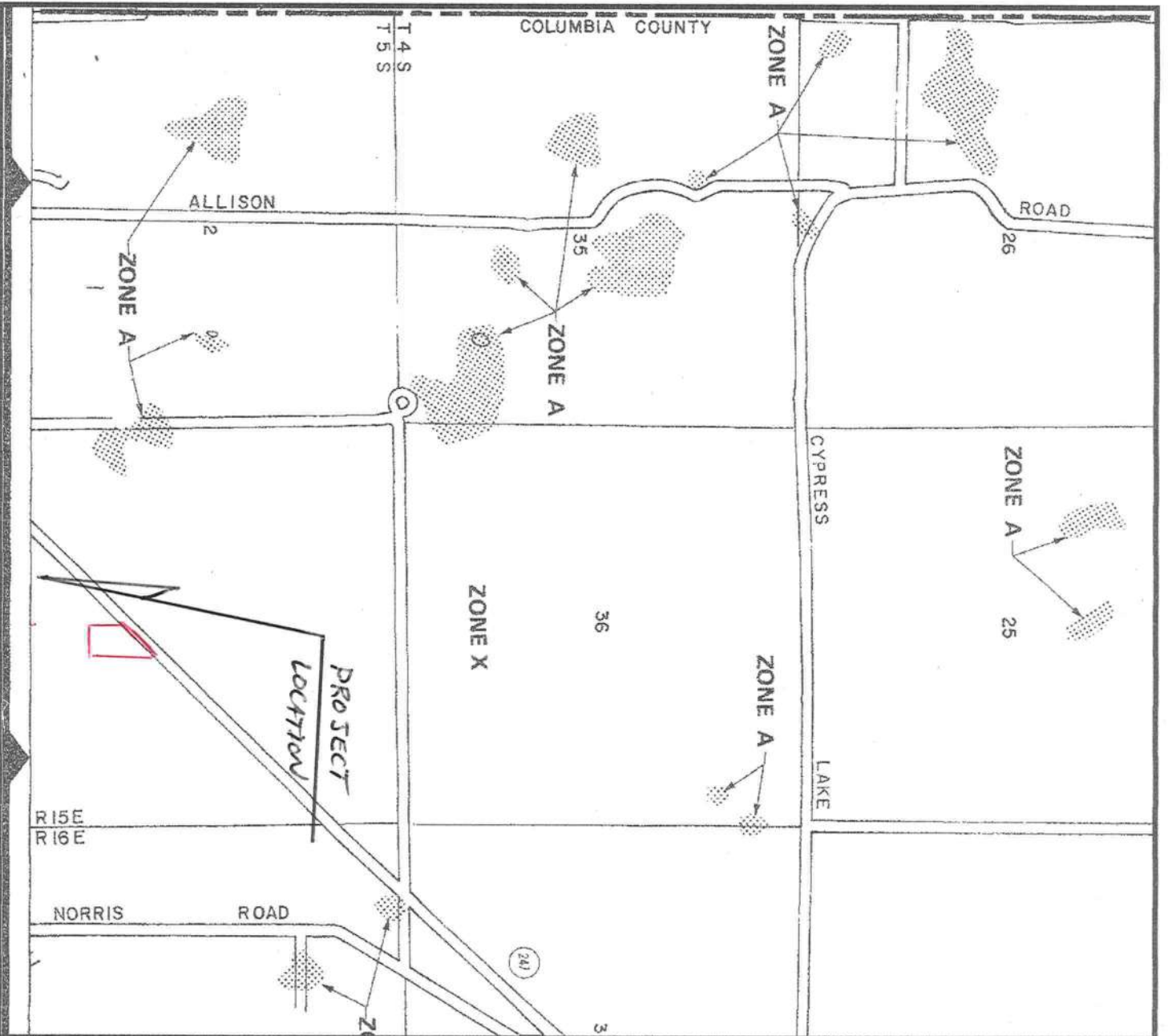
Contractor Signature \_\_\_\_\_  
Contractors License Number \_\_\_\_\_  
Competency Card Number \_\_\_\_\_



Gale Tedder  
Notary Signature







APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

COLUMBIA  
COUNTY,  
FLORIDA  
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER  
120070 0175 B  
EFFECTIVE DATE:  
JANUARY 6, 1988

Federal Emergency Management Agency



This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at [www.fema.gov/nflisid](http://www.fema.gov/nflisid)



STATE OF FLORIDA  
DEPARTMENT OF HEALTH

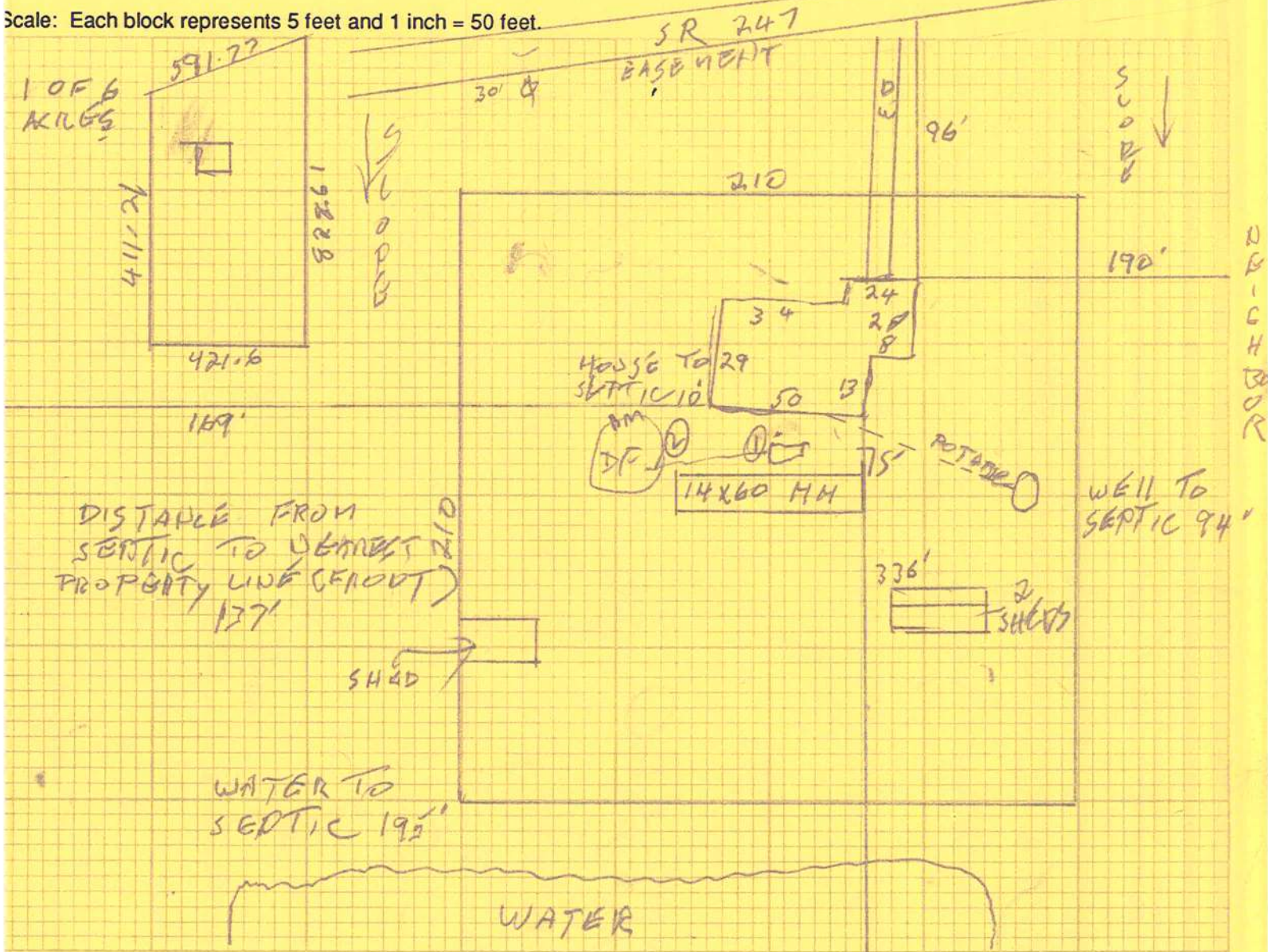
# APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

05-0548N

## PART II - SITE PLAN-

**Scale: Each block represents 5 feet and 1 inch = 50 feet.**



Notes:

Site Plan submitted by:

Signature

Title

Plan Approved

Not Approved

Date \_\_\_\_\_

 $3y$ 

County Health Department

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



## DISCLOSURE STATEMENT

### FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

#### TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling  
☐ Farm Outbuilding  
☐ New Construction  
☐ Two-Family Residence  
☐ Other \_\_\_\_\_  
☐ Addition, Alteration, Modification or other Improvement

#### NEW CONSTRUCTION OR IMPROVEMENT

I, George B Jones, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number \_\_\_\_\_

George B Jones  
Signature

5-27-03  
Date

#### FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date \_\_\_\_\_ Building Official/Representative \_\_\_\_\_





Engineers • Planners

161 N.W. Madison St., Suite 102  
Lake City, Florida 32055  
Tel: 386-758-4209  
Fax: 386-758-4290

November 8, 2004

Columbia County Building and Zoning

RE: George Jones, 9291 SW S.R. 247

To whom it may concern:

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor elevation at least 12" above finished grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

Sincerely,

A handwritten signature in black ink, reading "William H. Freeman".

William H. Freeman, P.E.  
President  
Cert. Of Authorization 00008701

## COLUMBIA COUNTY BUILDING DEPARTMENT

### RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS ALL REQUIREMENTS ARE SUBJECT TO CHANGE EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING 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 SPEED AS PER FIGURE 1606 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

#### APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

#### GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b><u>Site Plan including:</u></b> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b><u>Wind-load Engineering Summary, calculations and any details required</u></b> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m <sup>2</sup> ), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b><u>Elevations including:</u></b> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation d) Location, size and height above roof of chimneys e) Location and size of skylights f) Building height g) Number of stories



**Floor Plan including:**

- ☒ a) Rooms labeled and dimensioned
- ☒ b) Shear walls
- ☒ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☒ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☒ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☒ f) Must show and identify accessibility requirements (accessible bathroom)

**Foundation Plan including:**

- ☒ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☒ b) All posts and/or column footing including size and reinforcing
- ☒ c) Any special support required by soil analysis such as piling
- ☒ d) Location of any vertical steel

**Roof System:**

- ☒ a) Truss package including:
  - 1. Truss layout and truss details signed and sealed by FI. Pro. Eng.
  - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☒ b) Conventional Framing Layout including:
  - 1. Rafter size, species and spacing
  - 2. Attachment to wall and uplift
  - 3. Ridge beam sized and valley framing and support details
  - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

**Wall Sections including:**

- ☒ a) Masonry wall
  - 1. All materials making up wall
  - 2. Block size and mortar type with size and spacing of reinforcement
  - 3. Lintel, tie-beam sizes and reinforcement
  - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  - 7. Fire resistant construction (if required)
  - 8. Fireproofing requirements
  - 9. Shoe type of termite treatment (termicide or alternative method)
  - 10. Slab on grade
    - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
    - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  - 11. Indicate where pressure treated wood will be placed
  - 12. Provide insulation R value for the following:
    - a. Attic space
    - b. Exterior wall cavity
    - c. Crawl space (if applicable)

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□

**b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
  - a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
  - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
  - a. Attic space
  - b. Exterior wall cavity
  - c. Crawl space (if applicable)

□

□

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

**Floor Framing System:**

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

**Plumbing Fixture layout**

**Electrical layout including:**

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

**HVAC information**

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

**Energy Calculations** (dimensions shall match plans)

**Gas System** Type (LP or Natural) Location and BTU demand of equipment

**Disclosure Statement for Owner Builders**

\*\*\***Notice Of Commencement Required Before Any Inspections Will Be Done**

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**Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

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## **THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS**

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **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.
3. **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** )
4. **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
5. **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. Development permit cost is \$50.00
6. **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.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

**ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK**



# **NOTICE:**

## **ADDRESSES BY APPOINTMENT ONLY!**

**TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:**

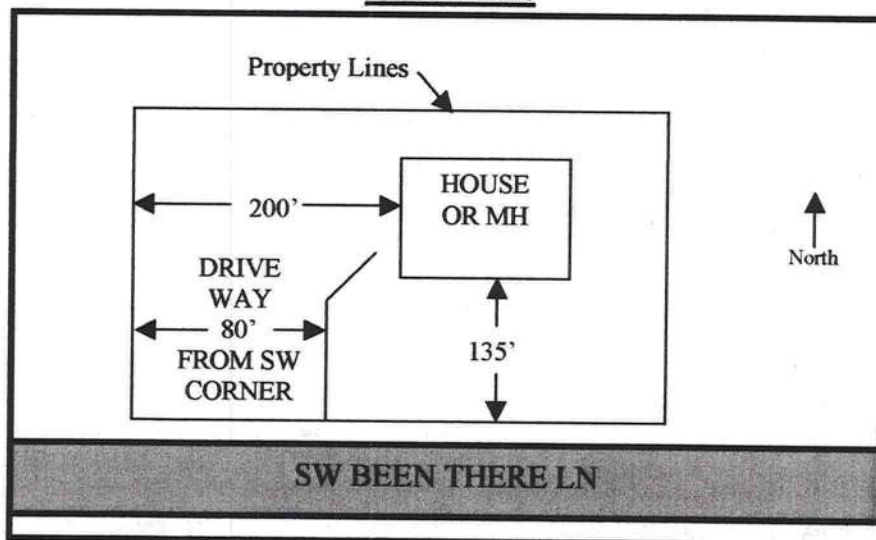
## **YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!**

**THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).**

### **THE REQUESTER WILL NEED THE FOLLOWING:**

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
  - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
  - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
  - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

### **SAMPLE:**



**NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.**



FLORIDA ENERGY EFFICIENCY CODE  
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	George Jones	Builder:	
Address:		Permitting Office:	
City, State:	,	Permit Number:	23363
Owner:	George Jones	Jurisdiction Number:	221000
Climate Zone:	South		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1293 ft²	13. Heating systems	
7. Glass area & type	Single Pane Double Pane	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
a. Clear glass, default U-factor	0.0 ft² 132.0 ft²		HSPF: 7.40
b. Default tint	0.0 ft² 0.0 ft²	b. N/A	
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 198.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1584.0 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1422.3 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 58.0 ft		
b. N/A			

Glass/Floor Area: 0.10

Total as-built points: 17422  
Total base points: 23248

PASS

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

PREPARED BY: William H. Freeman

DATE: 6/13/05

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:



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	1293.0	32.50	7564.1	Double, Clear	N	1.5	4.0	18.0	31.93	0.89	508.8
				Double, Clear	N	1.5	6.0	15.0	31.93	0.94	450.4
				Double, Clear	N	1.5	5.0	24.0	31.93	0.92	703.6
				Double, Clear	E	1.5	6.0	30.0	68.60	0.92	1888.1
				Double, Clear	S	1.5	6.0	30.0	58.45	0.87	1532.9
				Double, Clear	W	1.5	6.0	15.0	61.59	0.92	848.1
				As-Built Total:						132.0	5931.8
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1584.0	2.40	3801.6	
Exterior	1584.0	2.70	4276.8								
Base Total:		1584.0	4276.8	As-Built Total:			1584.0			3801.6	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	6.40	261.1	
Exterior	40.8	6.40	261.1								
Base Total:		40.8	261.1	As-Built Total:			40.8			261.1	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1293.0	2.80	3620.4	Under Attic	30.0			1422.3	2.77 X 1.00	3939.8	
Base Total:		1293.0	3620.4	As-Built Total:			1422.3			3939.8	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	198.0(p)	-20.0	-3960.0	Slab-On-Grade Edge Insulation	0.0			198.0(p)	-20.00	-3960.0	
Raised	0.0	0.00	0.0								
Base Total:			-3960.0	As-Built Total:			198.0			-3960.0	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
		1293.0	18.79				1293.0	18.79	24295.5		



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

ADDRESS: , , ,	PERMIT #:
----------------	-----------

BASE				AS-BUILT							
Summer Base Points: 36057.8				Summer As-Built Points: 34269.8							
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
36057.8		0.4266	15382.3	34269.8		1.000	(1.073 x 1.165 x 0.90)	0.284	0.902	9887.8	
				34269.8		1.00	1.125	0.284	0.902	9887.8	

WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1293.0	2.36	549.3	Double, Clear	N	1.5	4.0	18.0	4.38	0.99	77.7
				Double, Clear	N	1.5	6.0	15.0	4.38	0.99	65.1
				Double, Clear	N	1.5	5.0	24.0	4.38	0.99	104.0
				Double, Clear	E	1.5	6.0	30.0	3.30	1.02	101.1
				Double, Clear	S	1.5	6.0	30.0	3.12	1.02	95.3
				Double, Clear	W	1.5	6.0	15.0	3.98	1.00	59.6
				As-Built Total:			132.0			502.7	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1584.0	0.60		950.4	
Exterior	1584.0	0.60	950.4								
Base Total: 1584.0 950.4				As-Built Total:			1584.0			950.4	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	1.80		73.4
Exterior	40.8	1.80	73.4								
Base Total: 40.8 73.4				As-Built Total:			40.8			73.4	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1293.0	0.10	129.3	Under Attic	30.0		1422.3	0.10 X 1.00		142.2	
Base Total: 1293.0 129.3				As-Built Total:			1422.3			142.2	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	198.0(p)	-2.1	-415.8	Slab-On-Grade Edge Insulation	0.0		198.0(p)	-2.10		-415.8	
Raised	0.0	0.00	0.0								
Base Total: -415.8				As-Built Total:			198.0			-415.8	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1293.0 -0.06 -77.6							1293.0 -0.06			-77.6	



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points: 1209.0				Winter As-Built Points: 1175.4							
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
1209.0		0.6274	758.5	1175.4		1.000	(1.099 x 1.137 x 0.91)	0.461	0.950	585.1	
				1175.4		1.00	1.137	0.461	0.950	585.1	

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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		2369.00		7107.0	50.0	0.90	3		1.00	2316.36 1.00 6949.1
					As-Built Total:					6949.1

CODE COMPLIANCE STATUS											
BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
15382		759		7107	23248	9888		585		6949	17422

PASS





Code Compliance Checklist  
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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 6-12. 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.	



# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE\* = 88.0

The higher the score, the more efficient the home.

George Jones, , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	1293 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft <sup>2</sup> 132.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 7.40
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 198.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1584.0 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1422.3 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 58.0 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 EnergyStar<sup>TM</sup> 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](http://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 Energy Gauge Program (Version: FLRCPB v3.30)*

# Residential System Sizing Calculation

George Jones

## Summary

Project Title:  
George Jones

Code Only  
Professional Version  
Climate: South

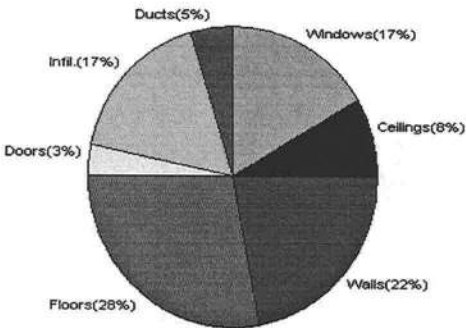
6/13/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
<b>Total heating load calculation</b>	<b>22265 Btuh</b>	<b>Total cooling load calculation</b>	<b>21876 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	107.8 24000	Sensible (SHR = 0.5)	67.1 12000
Heat Pump + Auxiliary(0.0kW)	107.8 24000	Latent	299.9 12000
		Total (Electric Heat Pump)	109.7 24000

## WINTER CALCULATIONS

Winter Heating Load (for 1293 sqft)

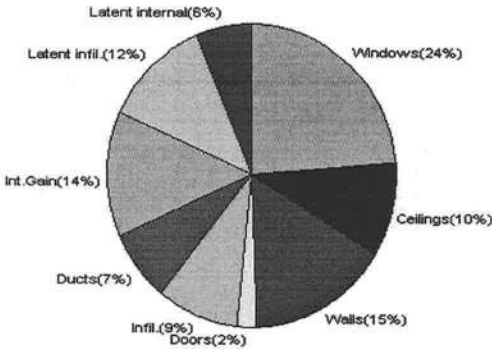
Load component		Load	
Window total	132 sqft	3736	Btuh
Wall total	1584 sqft	4910	Btuh
Door total	41 sqft	748	Btuh
Ceiling total	1422 sqft	1849	Btuh
Floor total	198 ft	6257	Btuh
Infiltration	86 cfm	3705	Btuh
<b>Subtotal</b>		<b>21205</b>	<b>Btuh</b>
Duct loss		1060	Btuh
<b>TOTAL HEAT LOSS</b>		<b>22265</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1293 sqft)

Load component		Load	
Window total	132 sqft	5220	Btuh
Wall total	1584 sqft	3390	Btuh
Door total	41 sqft	509	Btuh
Ceiling total	1422 sqft	2219	Btuh
Floor total		0	Btuh
Infiltration	76 cfm	1912	Btuh
Internal gain		3000	Btuh
<b>Subtotal(sensible)</b>		<b>16250</b>	<b>Btuh</b>
Duct gain		1625	Btuh
<b>Total sensible gain</b>		<b>17875</b>	<b>Btuh</b>
Latent gain(infiltration)		2621	Btuh
Latent gain(internal)		1380	Btuh
<b>Total latent gain</b>		<b>4001</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>21876</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: W.H. H. Pro

DATE: 6/13/05



# System Sizing Calculations - Winter

## Residential Load - Component Details

George Jones

Project Title:  
George Jones

Code Only  
Professional Version  
Climate: South

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

6/13/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	18.0	28.3	509 Btuh
2	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
3	2, Clear, Metal, DEF	N	24.0	28.3	679 Btuh
4	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
5	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
Window Total			132		3736 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1584	3.1	4910 Btuh
Wall Total			1584		4910 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		41	18.3	748 Btuh
Door Total			41		748Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1422	1.3	1849 Btuh
Ceiling Total			1422		1849Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	198.0 ft(p)	31.6	6257 Btuh
Floor Total			198		6257 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	12930(sqft)	86	3705 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				86	3705 Btuh

Totals for Heating	Subtotal	21205 Btuh
	Duct Loss(using duct multiplier of 0.05)	1060 Btuh
	Total Btuh Loss	22265 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 )

# System Sizing Calculations - Summer

## Residential Load - Component Details

George Jones

Project Title:  
George Jones

Code Only  
Professional Version  
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 6/13/2005

Window	Type	Overhang	Window Area(sqft)			HTM		Load					
	Panes/SHGC/U/InSh/ExSh Ornt		Len	Hgt	Gross	Shaded	Unshaded		Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	4	18.0	0.0	18.0	24	24	432 Btuh			
2	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360 Btuh			
3	2, Clear, DEF, N, N	N	1.5	5	24.0	0.0	24.0	24	24	576 Btuh			
4	2, Clear, DEF, N, N	E	1.5	6	30.0	4.0	26.0	24	74	2022 Btuh			
5	2, Clear, DEF, N, N	S	1.5	6	30.0	30.0	0.0	24	39	720 Btuh			
6	2, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	24	74	1110 Btuh			
Window Total					132					5220 Btuh			
Walls	Type	R-Value		Area			HTM		Load				
	1	Frame - Exterior		13.0			1584.0			2.1		3390 Btuh	
	Wall Total					1584.0			3390 Btuh				
Doors	Type				Area			HTM		Load			
	1	Insulated - Exter			40.8			12.5		509 Btuh			
	Door Total					40.8			509 Btuh				
Ceilings	Type/Color	R-Value			Area			HTM		Load			
	1	Under Attic/Dark			30.0			1422.3			1.6		2219 Btuh
	Ceiling Total					1422.3			2219 Btuh				
Floors	Type	R-Value			Size			HTM		Load			
	1	Slab-On-Grade Edge Insulation			0.0			198.0 ft(p)			0.0		0 Btuh
	Floor Total					198.0			0 Btuh				
Infiltration	Type	ACH			Volume			CFM=		Load			
	Natural		0.35			12930			75.6		1912 Btuh		
	Mechanical								0		0 Btuh		
	Infiltration Total								76		1912 Btuh		

Internal gain	Occupants	Btuh/occupant		Appliance	Load	
	6	X	300 +		1200	3000 Btuh

Totals for Cooling	Subtotal	16250 Btuh
	Duct gain(using duct multiplier of 0.10)	1625 Btuh
	Total sensible gain	17875 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	2621 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	21876 Btuh

Key: Window types (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/Daperies(B) or Roller Shades(R))  
(ExSh - Exterior shading device: none(N) or numerical value)  
(Ornt - compass orientation)

EnergyGauge® FLRCPB v3.30



NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 01-5S-15-00423-002 HX SX

1. Description of property: (legal description of the property and street address or 911 address)  
9291 SW SR 247  
Comm SW COR OF NW 1/4 SE 1/4 For POB RUN N411.21 FT TO SR/W SR-247  
RUN NE ALONG SR/W SR247 A DIST OF 591.77FT  
S828.61 FT W 421.60FT
2. General description of improvement: \_\_\_\_\_
3. Owner Name & Address George B Jones 9291 SW SR 247 Lake City Fl 32024  
Interest in Property \_\_\_\_\_
4. Name & Address of Fee Simple Owner (if other than owner): \_\_\_\_\_
5. Contractor Name George B Jones Phone Number 752 4560  
Address 9291 SW SR 247 Lake City Fl 32024
6. Surety Holders Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_ Inst:2005012577 Date:05/27/2005 Time:11:23  
Amount of Bond 7M DC, P. Dewitt Cason, Columbia County B:1047 P:1111
7. Lender Name \_\_\_\_\_  
Address \_\_\_\_\_
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:  
Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_
9. In addition to himself/herself the owner designates \_\_\_\_\_ of \_\_\_\_\_  
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -  
(a) 7. Phone Number of the designee \_\_\_\_\_
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) \_\_\_\_\_

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

George B Jones  
Signature of Owner

Sworn to (or affirmed) and subscribed before 27<sup>th</sup>  
day of MAY, 20 05



Dale Tedder  
Signature of Notary

BOARD OF COUNTY COMMISSIONERS  
OFFICE OF

**BUILDING & ZONING**  
COLUMBIA COUNTY, FLORIDA

752-84560

**BUILDING PERMIT RECEIPT**

RECEIPT NUMBER / PERMIT NUMBER 000023508 DATE 08/18/2005  
APPLICANT GEORGE JONES  
OWNER GEORGE JONES  
CONTRACTOR OWNER BUILDER  
PARCEL ID NUMBER 01-5S-15-00423-002 NUMBER OF EXISTING DWELLINGS 1  
TYPE OF DEVELOPMENT SFD, UTILITY

**FEES:**

BUILDING PERMIT	<u>325.00</u>	CERTIFICATION FEE	<u>7.92</u>
ZONING FEE	<u>50.00</u>	SURCHARGE FEE	<u>7.92</u>
MOBILE HOME PERMIT	<u>                    </u>	FLOOD DEVELOPMENT PERMIT	<u>                    </u>
TRAVEL TRAILER PERMIT	<u>                    </u>	RELOCATION PERMIT	<u>                    </u>
UTILITY POLE PERMIT	<u>                    </u>	RECONNECTION PERMIT	<u>                    </u>
FIRE ASSESSMENT FEE	<u>                    </u>	WASTE ASSESSMENT FEE	<u>                    </u>
		CULVERT PERMIT	<u>                    </u>

**TOTAL FEES CHARGES** 390.84

CHECK NUMBER 2522

MAKE CHECKS PAYABLE TO: BCC (Board of County Commissioners)

NOTE: A SEPARATE CHECK IS REQUIRED FOR THE CULVERT WAIVER PERMITS

135 NE HERNANDO AVE.  
SUITE B-21  
LAKE CITY, FL 32055  
Phone: 386-758-1008  
Fax: 386-758-2160





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5. Contractor Name George B Jones Phone Number 752 4560  
Address 9291 SW SR 247 Lake City Fl 32024
6. Surety Holders Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Amount of Bond \_\_\_\_\_  
Inst: 2005012577 Date: 05/27/2005 Time: 11:23  
MK DC, P. Dewitt Cason, Columbia County B: 1047 P: 1111
7. Lender Name \_\_\_\_\_  
Address \_\_\_\_\_
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:  
Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_
9. In addition to himself/herself the owner designates \_\_\_\_\_ of \_\_\_\_\_  
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -  
(a) 7. Phone Number of the designee \_\_\_\_\_
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) \_\_\_\_\_

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

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George B Jones  
Signature of Owner

Sworn to (or affirmed) and subscribed before 27<sup>th</sup>  
day of MAY, 20 05



Gale Tedder  
Signature of Notary

DATE 08/18/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023508

APPLICANT GEORGE JONES PHONE 752-4560  
ADDRESS 9291 SW SR 247 LAKE CITY FL 32024  
OWNER GEORGE JONES PHONE 752-4560  
ADDRESS 9291 SW SR 247 LAKE CITY FL 32024  
CONTRACTOR OWNER BUILDER PHONE \_\_\_\_\_  
LOCATION OF PROPERTY 90 W, L 247 GO 9.5 MILES ON THE LEFT SIDE (NEW CULVERT)  
MAILBOX ON THE RIGHT SIDE WITH ADDRESS 9291 ON IT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 64650.00  
HEATED FLOOR AREA 1293.00 TOTAL AREA 1584.00 HEIGHT 16.00 STORIES 1  
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB  
LAND USE & ZONING A-3 MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 01-5S-15-00423-002 SUBDIVISION \_\_\_\_\_  
LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 6.00

Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_  
FDOT 05-0548-N BK \_\_\_\_\_ N \_\_\_\_\_  
Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance \_\_\_\_\_ New Resident \_\_\_\_\_

COMMENTS: FDOT LETTER RECIEVED-APPROVED THE DRIVEWAY, NOC ON FILE  
ENGINEERING LETTER STATING 12" ABOVE FINISED GRADE IS APPROVED

MH WILL BE REMOVED ONCE SFD COMPLETED Check # or Cash 2522

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power \_\_\_\_\_ Foundation \_\_\_\_\_ Monolithic \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Under slab rough-in plumbing \_\_\_\_\_ Slab \_\_\_\_\_ Sheathing/Nailing \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Framing \_\_\_\_\_ Rough-in plumbing above slab and below wood floor \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Electrical rough-in \_\_\_\_\_ Heat & Air Duct \_\_\_\_\_ Peri. beam (Lintel) \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Permanent power \_\_\_\_\_ C.O. Final \_\_\_\_\_ Culvert \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ Pool \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Reconnection \_\_\_\_\_ Pump pole \_\_\_\_\_ Utility Pole \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
M/H Pole \_\_\_\_\_ Travel Trailer \_\_\_\_\_ Re-roof \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

BUILDING PERMIT FEE \$ 325.00 CERTIFICATION FEE \$ 7.92 SURCHARGE FEE \$ 7.92  
MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_  
FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ TOTAL FEE 390.84

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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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