

DATE 11/05/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022465

APPLICANT BRANDON STEELE PHONE 755-0841
ADDRESS P.O. BOX 2183 LAKE CITY FL 32056
OWNER BEN ZUBER PHONE 719-7265
ADDRESS 983 SW LITTLE ROAD LAKE CITY FL 32024
CONTRACTOR AARON SIMQUE PHONE 755-0841
LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL ON LITTLE ROAD, HOUSE IS JUST BEFORE CURVE,JUST PASS HAMLET ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 188800.00
HEATED FLOOR AREA 3776.00 TOTAL AREA 5413.00 HEIGHT .00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 23
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 01-5S-16-03390-008 SUBDIVISION
LOT BLOCK PHASE UNIT TOTAL ACRES 4.40

000000441 N RB29003130
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT PERMIT 04-0785-N BK JK Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD
SPECIAL FAMILY LOT PERMT/BROTHER

Check # or Cash 1926

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 945.00 CERTIFICATION FEE \$ 27.07 SURCHARGE FEE \$ 27.07
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 1074.14

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.

Columbia County Building Permit Application

For Office Use Only Application # 0410-13 Date Received 10-7-04 By LH Permit # 441/22465
 Application Approved by - Zoning Official BLK Date 29.10.04 Plans Examiner _____ Date _____
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Special Family Lt Permit, Brother

Applicants Name BRANDON STEELE Phone 386-755-0841
 Address PO Box 2183, LC, FL 32056
 Owners Name BEN ZUBER Phone 386-719-7265
 911 Address 983 SW Little Rd, LAKE CITY, FL 32024
 Contractors Name ARZON SINGUE HOMES INC. Phone 386-755-0841
 Address PO Box 2183, LC, FL 32056
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address DDS Studios, LC, FL / Nicholas Geisler LC, FL
 Mortgage Lenders Name & Address Interfirst Construction Lending Ctr. 81 W. Main St, 8th Floor
WATERBURY, CT
 Property ID Number 01-55-16-03390-014 ⁰⁰⁸ Estimated Cost of Construction \$275,000.00
 Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions HWY 47 South to SW Walter Ave. Left on Walter to SW Little
Road, Left on Little. Go 3 blocks on SW Little to curve in road - house
/property is just before curve. Arzon Singue Homes sign is on the lot.
 Type of Construction Stucco / Wood Frame Number of Existing Dwellings on Property 1
 Total Acreage 4.4 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 42' ✓ Side 42' ✓ Side 400' ✓ Rear 100' ✓
 Total Building Height 23' Number of Stories 1 Heated Floor Area 3776 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.

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.


Brandon Steele
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 6th day of October 2004.
 Personally known X or Produced Identification _____

Arzon Singue
 Contractor Signature
 Contractors License Number TCB29003130
 Competency Card Number 5323

NOTARY STAMP/SEAL

Brandon Steele
 Notary Signature


ATTN: BRIAN K.

Prepared by:
Karen E. Zuber
Post Office Box 3523
Lake City, Florida 32056

Inst: 2003005923 Date: 03/24/2003 Time: 11:36
Doc Stamp-Deed : 0.70
MC DC, P. DeWitt Cason, Columbia County 8:978 P:948

Warranty Deed

Made this, 17th day of March, 2003 A.D. By **James R. Zuber and his wife, Karen E. Zuber**, whose address is: Post Office Box 3523, Lake City, Florida 32056, hereinafter called the grantor, to **Benjamin D. Zuber and Anne R. Zuber, his wife**, whose post office address is: Post Office Box 3523, Lake City, Florida 32056, hereinafter called the grantee:

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

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Section 1, Township 5 South, Range 16 East

Commence at the NE corner of the NW 1/4 of Section 1, Township 5 South, Range 16 East, Columbia County, Florida and run thence South 00° 06' 49" East along the East line of said NW 1/4, 419.80 feet to the Point of Beginning, thence continue South 00° 06' 49" East along said East line 283.01 feet, thence South 89° 16' 33" West 422.40 feet, thence North 00° 20' 48" West 283.00 feet, thence North 89° 16' 33" East 423.21 feet to the Point of Beginning. **IN COLUMBIA COUNTY, FLORIDA.**

Parcel ID Number: 01-5S-16-03389-008

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2002.

Inst:2003005923 Date:03/24/2003 Time:11:36

Doc Stamp-Deed : 0.70

MK DC,P.DeWitt Cason,Columbia County B:978 P:949

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

Signed and Sealed in Our Presence:

Tina S. Melgaard

Witness Signature

TINA S. MELGAARD

Witness Print Name:

Elaine R. Davis

Witness Signature

ELAINE R. DAVIS

Witness Print Name:

James R. Zuber

James R. Zuber

Karen E. Zuber

Karen E. Zuber

State of Florida

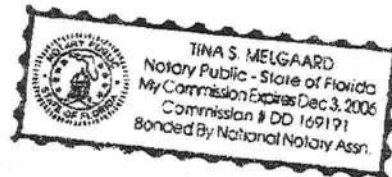
County of Columbia

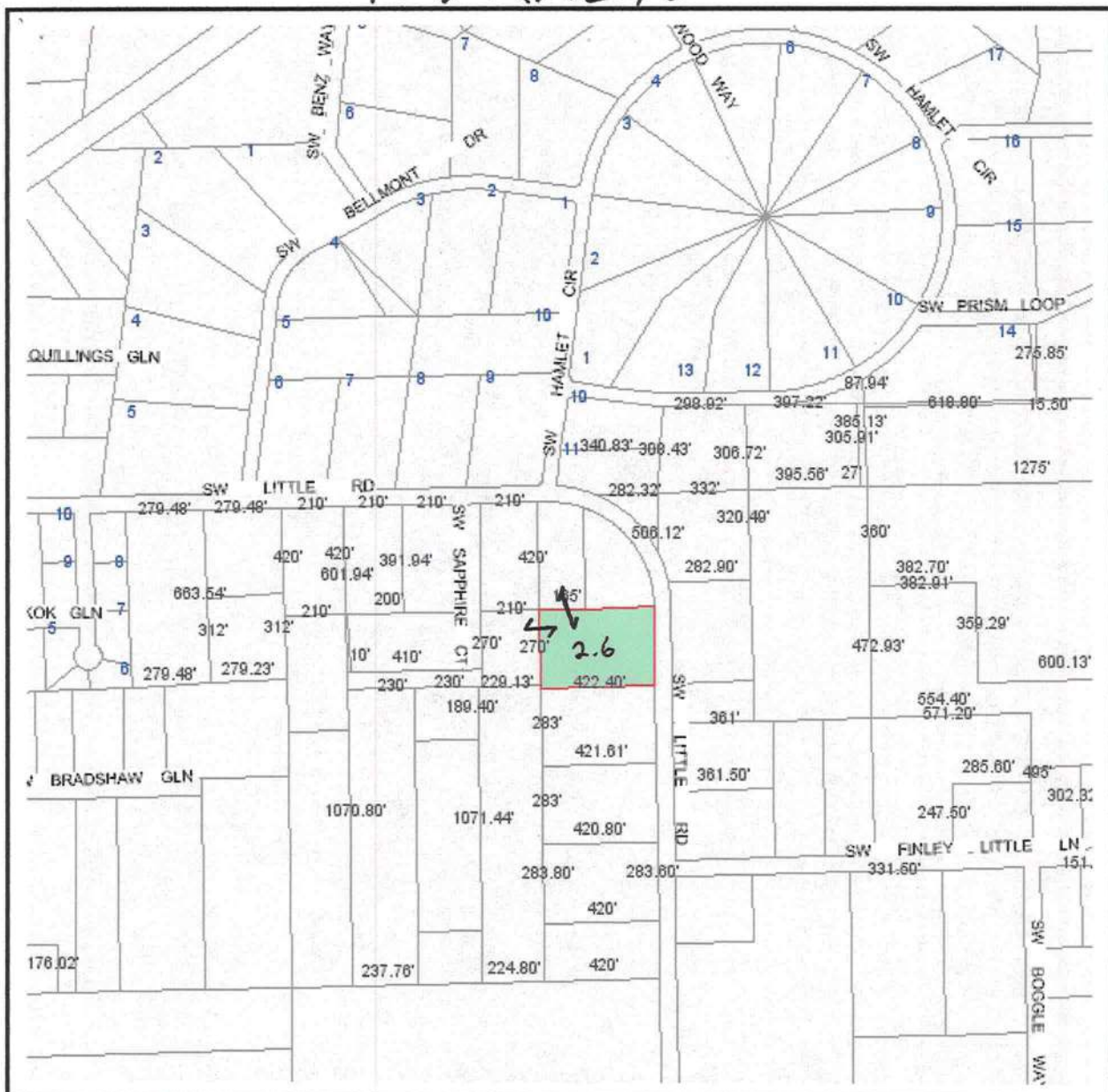
SWORN TO, SUBSCRIBED AND ACKNOWLEDGED before me this 24, day of March, 2003, by James R. Zuber and Karen E. Zuber who is/are personally known to me or has/have produced a valid driver's license as identification

Tina S. Melgaard

Notary Public

My Commission Expires: 12/3/06





Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 01-5S-16-03389-008 - NO AG ACRE (009900)

COMM NE COR OF NW1/4, RUN S 419.80 FT FOR POB, CONT S 283.01 FT, W 422.40 FT, N 283

| | | |
|---------------------------------|---------|-------------|
| Name: ZUBER BENJAMIN D & ANNE R | LandVal | \$24,750.00 |
| Site: PARCEL G | BldgVal | \$0.00 |
| Mail: P O BX 3523 | ApprVal | \$24,750.00 |
| LAKE CITY, FL 32056 | JustVal | \$24,750.00 |
| Sales 3/17/2003 \$100.00 V / U | Assd | \$24,750.00 |
| Info 3/5/1998 \$25,000.00 V / U | Exmpt | \$0.00 |
| | Taxable | \$24,750.00 |

0 250 500 750 ft



This information, GIS Map Updated: 10/8/2004, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

904.588.2871

This Warranty Deed

Made this 15th day of May A.D. 2001
by Ronald H. Little and Anne P. Little,
husband and wife

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL

01 MAY 15 PM 2:33

hereinafter called the grantor, to 01-08643
Benjamin D. Zuber, a single man

whose post office address is: P.O.Box 362
Lake City, FL 32056

hereinafter called the grantee:

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

Witnesseth, that the grantor, for and in consideration of the sum of \$ 10.00
and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises,
releases, conveys and confirms unto the grantee, all that certain land situate in Columbia
County, Florida, viz:

See Schedule A attached hereto and by this reference made a part
hereof.

SUBJECT TO Covenants, restrictions, easements of records and taxes
for the current year. Said property is not the homestead of the
Grantor(s) under the laws and constitution of the State of Florida in
that neither Grantor(s) or any members of the household of Grantor(s)
reside thereon.

Parcel Identification Number: 03390-002 & 03389-013 and 012

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple;
that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants
the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is
free of all encumbrances except taxes accruing subsequent to December 31, 1999.

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

Signed, sealed and delivered in our presence:

Elaine R. Davis

Witness ELAINE R. DAVIS

Kylie D. Markham

Witness Kylie D. Markham

Name: Witness

Name: Witness

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 15th day of May, 2001, by

Ronald H. Little and Anne P. Little, husband and wife

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

Documentary Stamp \$257.00
Intangible Tax
P. DeWitt Cason
Clerk of Court
By [Signature] D.C.

Ronald H. Little

Name & Address: Ronald H. Little

LS

Anne P. Little

Name & Address: Anne P. Little

LS

Name & Address:

LS

BK 0926 PG 1621

Name & Address:

LS

OFFICIAL RECORDS

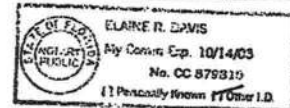
Elaine R. Davis

Notary Public ELAINE R. DAVIS

Print Name:

My Commission Expires:

PREPARED BY: Elaine R. Davis
RECORD & RETURN TO:
ASSOCIATED LAND TITLE GROUP, INC.
300 N. MARION STREET
LAKE CITY, FLORIDA 32055
File No: 0137475



Schedule A

OFFICIAL RECORDS

Parcel "E":

Commence at the Northeast corner of the Northwest 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence South 00 deg. 06 min. 49 sec. East along the East line of said Northwest 1/4, 419.80 feet, thence South 89 deg. 16 min. 33 sec. West, 423.21 feet to the Point of Beginning. thence continue South 89 deg. 16 min. 33 sec. West, 210.00 feet, thence South 00 deg. 31 min. 56 sec. East, 270.00 feet, thence North 89 deg. 16 min. 33 sec. East, 209.13 feet, thence North 00 deg. 20 min. 48 sec. West, 270.00 feet to the Point of Beginning.

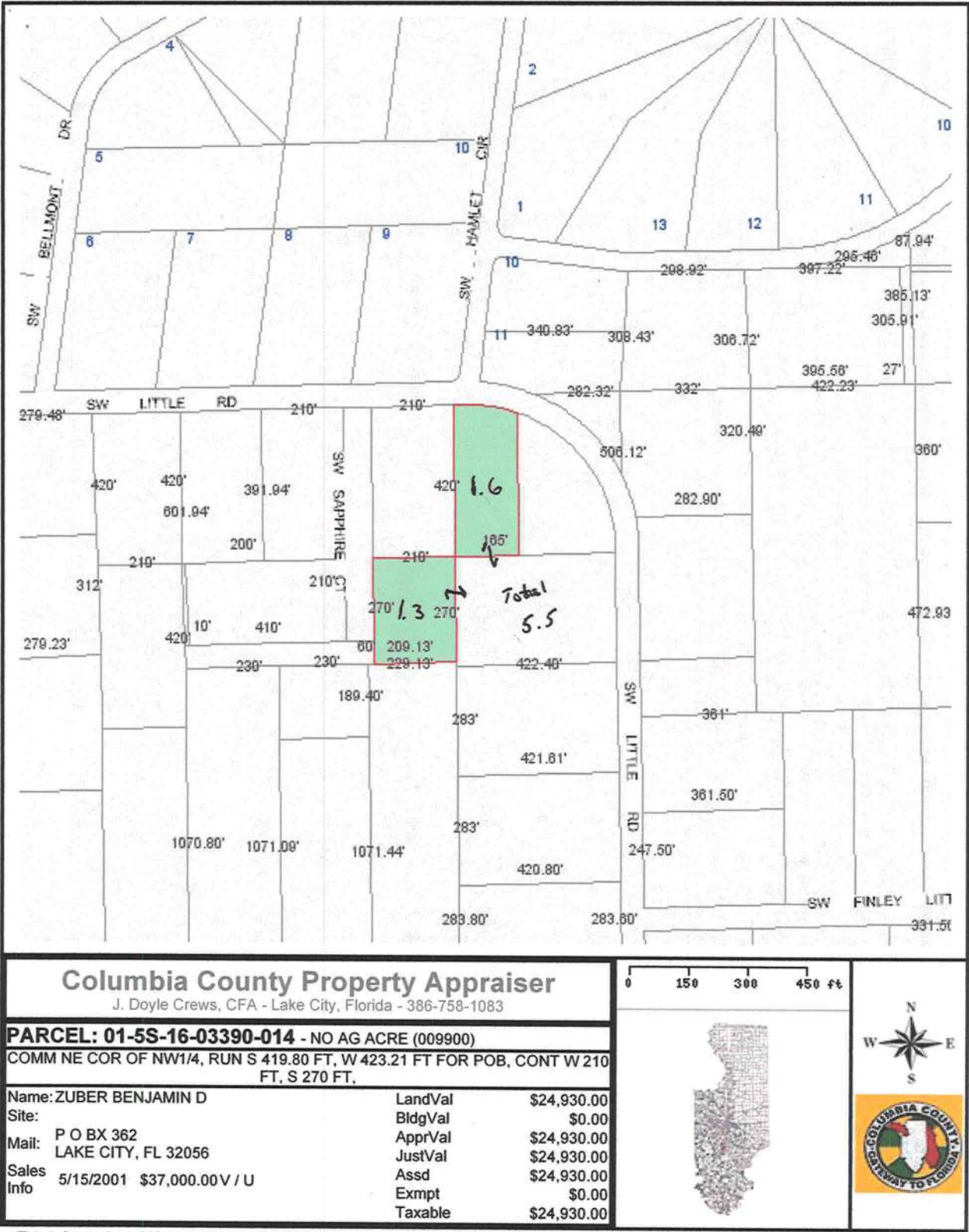
Parcel "F":

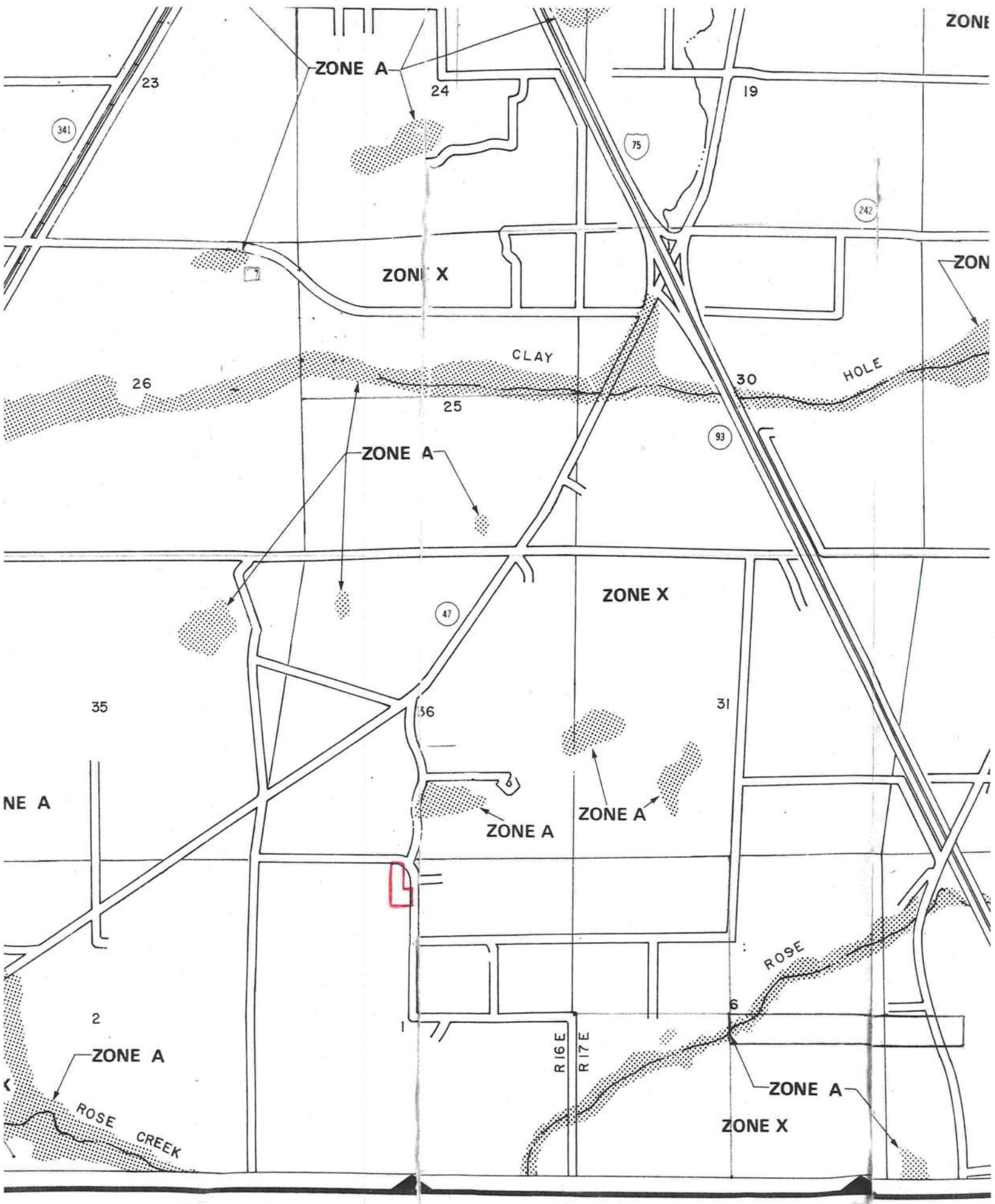
Commence at the Northeast corner of the Northwest 1/4, Section 1, Township 5 South, Range 16 East, Columbia County, Florida, and run thence South 89 deg. 16 min. 33 sec. West along the North line of said Section 1, 262.33 feet to the Point of Beginning. Thence continue South 89 deg. 16 min. 33 sec. West along said North line, 165.30 feet, thence South 00 deg. 31 min. 56 sec. East, 420.00 feet, thence North 89 deg. 16 min. 33 sec. East, 165.30 feet, thence North 00 deg. 31 min. 56 sec. West, 420.00 feet to the Point of Beginning. LESS and EXCEPT any portion thereof lying in the right-of-way of Little Road.

ALSO:

Together with a 1/5 interest in the following described parcel; A strip of land 60 feet in width, 30 feet to the right and 30 feet to the left of a line defined as follows: Commence at the NW corner of NE 1/4 of NW 1/4, Section 1, Township 5 South, Range 16 East, run thence South 0°31'56" East, along the West line of said NE 1/4 of NW 1/4, West 420 feet; thence N 89°16'33" East, 210 feet; thence South 0°31'56" East 240 feet to the center 60 foot easement which is the POINT OF BEGINNING; thence N 89°16'33", 480 feet to the POINT OF TERMINATION of said line.

File No: 0137475

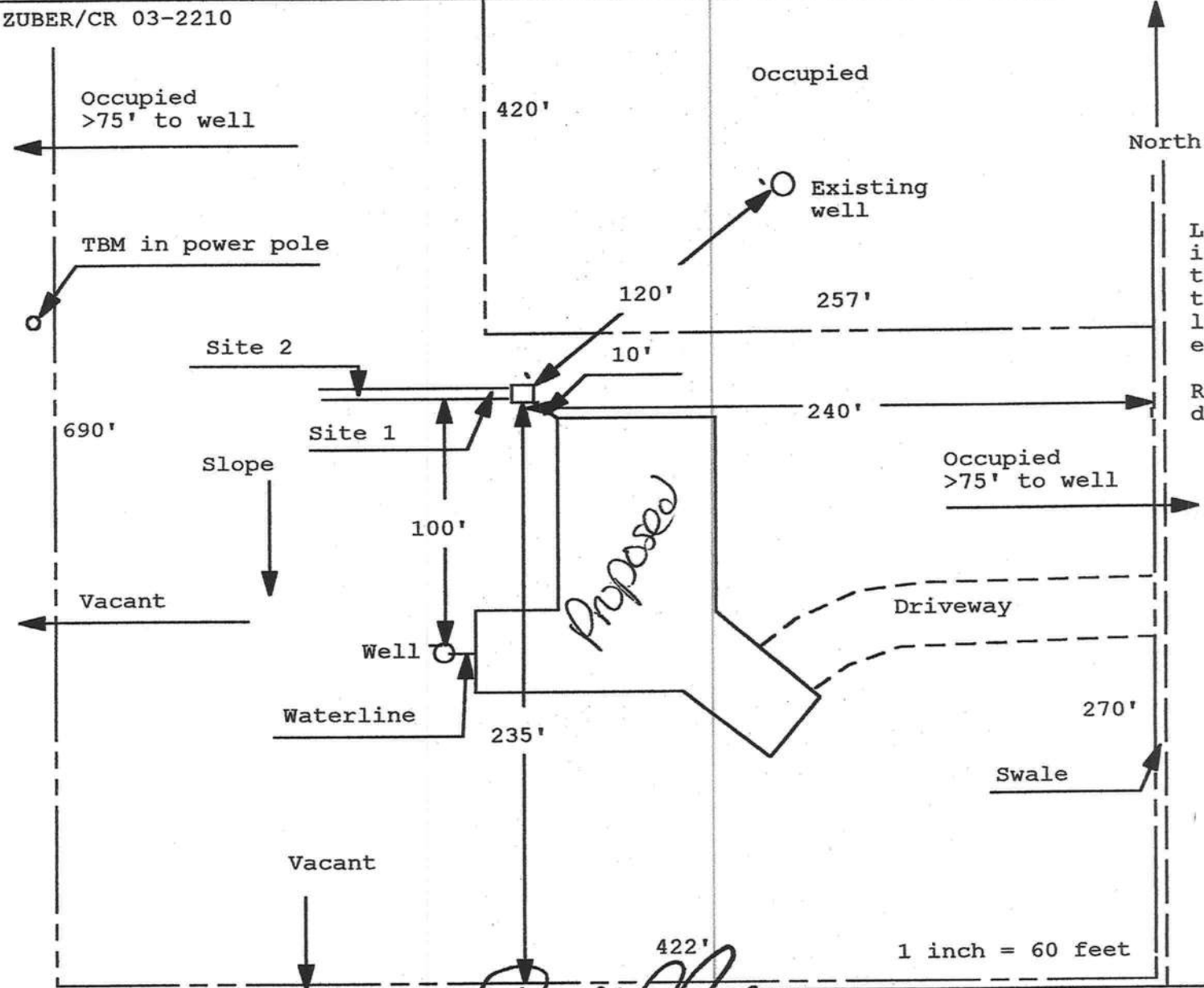




0410-13

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-0785N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Lloyd Date 7/19/04
Plan Approved Not Approved Date 7/19/04
By Paul Lloyd Lakimbe Smith CPHU 7-230
Notes: _____

LYNCH WELL DRILLING, INC.

RT. 6 BOX 464
LAKE CITY, FL 32025
PHONE (386) 752-6677
FAX (386) 752-1477

RESIDENTIAL WATER WELL BUILDING PERMIT INFORMATION

Building Permit # _____ Owners Name _____

Well Depth 130 Ft. Casing Depth 130 Ft. Water Level 120 Ft.Casing Size 4 PVC _____ Steel XPump Installation: Submersible X Deep Well Jet _____ Shallow Well _____Pump Make Aermotor Pump Model # S20-100 Hp 1System Pressure (PSI) _____ On 30 Off 50 Avg. Pressure _____
(PSI)Pumping System GPM at average pressure and pumping level 20 (GPM)Tank Installation: Precharged (Baldder) X Atmospheric (Galvanized)Make Challenger Model FC 244 Size 81 GallonTank Draw-down per cycle at system pressure 25.1 Gallons

I HEREBY CERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN
INSTALLED AS PER ABOVE INFORMATION.

Lynch Well Drilling
Signature

Lynch Well Drilling, Inc.
Print Name

1274 or 2609
License Number

Date

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000441**

DATE 11/05/2004 PARCEL ID # 01-5S-16-03390-008
APPLICANT BRANDON STEELE PHONE 755-0841
ADDRESS P.O. BOX 2183 LAKE CITY FL 32024
OWNER BEN ZUBER PHONE 719-7265
ADDRESS 983 SW LITTLE ROAD LAKE CITY FL 32024
CONTRACTOR AARON SIMQUE PHONE 755-0841
LOCATION OF PROPERTY 47S, TL ON WALTER AVE, TL ON LITTLE ROAD, HOUSE IS JUST BEFORE
CURVE, JUST PAST HAMLET ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

SIGNATURE _____

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Zuber Residence
Address: Little Rd
City, State: Lake City, FL
Owner: Ben Zuber
Climate Zone: North
Builder:
Permitting Office:
Permit Number: 22464
Jurisdiction Number: 221080

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 3
5. Is this a worst case? Yes
6. Conditioned floor area (ft²) 3776 ft²
7. Glass area & type
a. Clear - single pane 0.0 ft²
b. Clear - double pane 751.6 ft²
c. Tint/other SHGC - single pane 0.0 ft²
d. Tint/other SHGC - double pane 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 352.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=13.0, 3656.0 ft²
b. Frame, Wood, Adjacent R=13.0, 216.0 ft²
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 3776.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 220.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 36.0 kBtu/hr SEER: 10.00
b. Central Unit Cap: 36.0 kBtu/hr SEER: 10.00
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 36.0 kBtu/hr HSPF: 6.80
b. Electric Heat Pump Cap: 36.0 kBtu/hr HSPF: 6.80
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 50.0 gallons EF: 0.88
b. Electric Resistance Cap: 50.0 gallons EF: 0.88
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

Glass/Floor Area: 0.20 Total as-built points: 51302 PASS
Total base points: 52533

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.
PREPARED BY:
DATE:
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:
GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Little Rd, Lake City, FL,

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 | 3776.0 | 20.04 | 13620.8 | Double, Clear | SW | 1.5 | 8.0 | 90.0 | 38.46 | 0.95 | 3273.7 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.0 | 12.0 | 38.46 | 0.67 | 310.5 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.0 | 10.7 | 38.46 | 0.67 | 276.0 | | | |
| | | | | Double, Clear | W | 1.5 | 3.3 | 9.3 | 36.99 | 0.76 | 263.4 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.3 | 9.3 | 38.46 | 0.71 | 253.9 | | | |
| | | | | Double, Clear | S | 1.5 | 3.3 | 9.3 | 34.50 | 0.69 | 221.7 | | | |
| | | | | Double, Clear | SE | 1.5 | 3.3 | 9.3 | 40.86 | 0.71 | 268.9 | | | |
| | | | | Double, Clear | E | 1.5 | 3.3 | 16.7 | 40.22 | 0.76 | 509.2 | | | |
| | | | | Double, Clear | SE | 1.5 | 2.5 | 15.0 | 40.86 | 0.61 | 376.4 | | | |
| | | | | Double, Clear | E | 1.5 | 6.0 | 40.0 | 40.22 | 0.91 | 1468.5 | | | |
| | | | | Double, Clear | NE | 8.5 | 4.0 | 18.0 | 28.72 | 0.47 | 242.4 | | | |
| | | | | Double, Clear | E | 6.0 | 7.0 | 36.0 | 40.22 | 0.55 | 801.5 | | | |
| | | | | Double, Clear | NE | 4.0 | 7.0 | 18.0 | 28.72 | 0.72 | 372.8 | | | |
| | | | | Double, Clear | NE | 4.0 | 3.0 | 6.0 | 28.72 | 0.53 | 91.3 | | | |
| | | | | Double, Clear | N | 5.0 | 7.0 | 36.0 | 19.22 | 0.76 | 529.1 | | | |
| | | | | Double, Clear | SE | 30.0 | 3.0 | 12.0 | 40.86 | 0.38 | 186.1 | | | |
| | | | | Double, Clear | SE | 15.0 | 3.0 | 20.0 | 40.86 | 0.38 | 310.1 | | | |
| | | | | Double, Clear | NE | 1.5 | 7.0 | 72.0 | 28.72 | 0.94 | 1952.4 | | | |
| | | | | Double, Clear | NE | 1.5 | 3.0 | 24.0 | 28.72 | 0.76 | 523.2 | | | |
| | | | | Double, Clear | NW | 1.5 | 7.0 | 44.0 | 25.46 | 0.95 | 1061.0 | | | |
| | | | | Double, Clear | NW | 1.5 | 3.0 | 14.7 | 25.46 | 0.78 | 292.7 | | | |
| | | | | Double, Clear | NW | 1.5 | 5.0 | 8.0 | 25.46 | 0.89 | 182.3 | | | |
| | | | | Double, Clear | NW | 1.5 | 7.0 | 36.0 | 25.46 | 0.95 | 868.1 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.0 | 9.0 | 38.46 | 0.67 | 232.9 | | | |
| | | | | Double, Clear | NE | 15.0 | 9.5 | 93.5 | 28.72 | 0.50 | 1351.2 | | | |
| | | | | Double, Clear | E | 7.0 | 9.5 | 46.8 | 40.22 | 0.60 | 1124.8 | | | |
| | | | | Double, Clear | NE | 6.0 | 9.0 | 12.0 | 28.72 | 0.68 | 234.4 | | | |
| | | | | Double, Clear | SE | 13.0 | 9.5 | 24.0 | 40.86 | 0.44 | 435.3 | | | |
| | | | | | | | | As-Built Total: | | 751.6 | | 18013.6 | | |
| | | | | WALL TYPES Area X BSPM = Points | | | | Type | R-Value | | Area X | SPM | = | Points |
| | | | | Adjacent | 216.0 | 0.70 | 151.2 | Frame, Wood, Exterior | 13.0 | | 3656.0 | 1.50 | 5484.0 | |
| Exterior | 3656.0 | 1.70 | 6215.2 | Frame, Wood, Adjacent | 13.0 | | 216.0 | 0.60 | 129.6 | | | | | |
| Base Total: 3872.0 6366.4 | | | | As-Built Total: | | 3872.0 | | 5613.6 | | | | | | |

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Little Rd, Lake City, FL,

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 | 3776.0 | 12.74 | 8659.1 | Double, Clear | SW | 1.5 | 8.0 | 90.0 | 7.17 | 1.03 | 663.8 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.0 | 12.0 | 7.17 | 1.24 | 106.9 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.0 | 10.7 | 7.17 | 1.24 | 95.0 | | | |
| | | | | Double, Clear | W | 1.5 | 3.3 | 9.3 | 10.77 | 1.07 | 107.7 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.3 | 9.3 | 7.17 | 1.20 | 80.4 | | | |
| | | | | Double, Clear | S | 1.5 | 3.3 | 9.3 | 4.03 | 1.52 | 57.0 | | | |
| | | | | Double, Clear | SE | 1.5 | 3.3 | 9.3 | 5.33 | 1.31 | 65.1 | | | |
| | | | | Double, Clear | E | 1.5 | 3.3 | 16.7 | 9.09 | 1.10 | 166.9 | | | |
| | | | | Double, Clear | SE | 1.5 | 2.5 | 15.0 | 5.33 | 1.50 | 119.7 | | | |
| | | | | Double, Clear | E | 1.5 | 6.0 | 40.0 | 9.09 | 1.04 | 376.5 | | | |
| | | | | Double, Clear | NE | 8.5 | 4.0 | 18.0 | 13.40 | 1.06 | 255.1 | | | |
| | | | | Double, Clear | E | 6.0 | 7.0 | 36.0 | 9.09 | 1.25 | 408.0 | | | |
| | | | | Double, Clear | NE | 4.0 | 7.0 | 18.0 | 13.40 | 1.03 | 248.1 | | | |
| | | | | Double, Clear | NE | 4.0 | 3.0 | 6.0 | 13.40 | 1.05 | 84.5 | | | |
| | | | | Double, Clear | N | 5.0 | 7.0 | 36.0 | 14.30 | 1.01 | 522.2 | | | |
| | | | | Double, Clear | SE | 30.0 | 3.0 | 12.0 | 5.33 | 2.65 | 169.6 | | | |
| | | | | Double, Clear | SE | 15.0 | 3.0 | 20.0 | 5.33 | 2.65 | 282.7 | | | |
| | | | | Double, Clear | NE | 1.5 | 7.0 | 72.0 | 13.40 | 1.00 | 968.3 | | | |
| | | | | Double, Clear | NE | 1.5 | 3.0 | 24.0 | 13.40 | 1.02 | 329.4 | | | |
| | | | | Double, Clear | NW | 1.5 | 7.0 | 44.0 | 14.03 | 1.00 | 618.3 | | | |
| | | | | Double, Clear | NW | 1.5 | 3.0 | 14.7 | 14.03 | 1.01 | 208.5 | | | |
| | | | | Double, Clear | NW | 1.5 | 5.0 | 8.0 | 14.03 | 1.01 | 112.8 | | | |
| | | | | Double, Clear | NW | 1.5 | 7.0 | 36.0 | 14.03 | 1.00 | 505.9 | | | |
| | | | | Double, Clear | SW | 1.5 | 3.0 | 9.0 | 7.17 | 1.24 | 80.2 | | | |
| | | | | Double, Clear | NE | 15.0 | 9.5 | 93.5 | 13.40 | 1.05 | 1320.0 | | | |
| | | | | Double, Clear | E | 7.0 | 9.5 | 46.8 | 9.09 | 1.21 | 512.9 | | | |
| | | | | Double, Clear | NE | 6.0 | 9.0 | 12.0 | 13.40 | 1.03 | 166.1 | | | |
| | | | | Double, Clear | SE | 13.0 | 9.5 | 24.0 | 5.33 | 2.21 | 283.1 | | | |
| | | | | | | | | As-Built Total: | | | 751.6 | 8914.8 | | |
| | | | | WALL TYPES Area X BWPM = Points | | | | Type | R-Value | | Area X WPM | = | Points | |
| Adjacent | 216.0 | 3.60 | 777.6 | Frame, Wood, Exterior | 13.0 | | 3656.0 | 3.40 | 12430.4 | | | | | |
| Exterior | 3656.0 | 3.70 | 13527.2 | Frame, Wood, Adjacent | 13.0 | | 216.0 | 3.30 | 712.8 | | | | | |
| Base Total: | | | | As-Built Total: | | | 3872.0 | 13143.2 | | | | | | |

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Little Rd, Lake City, FL,

PERMIT #:

| BASE | | | | AS-BUILT | | | |
|------------------------------------|----------|-------------------|------------------|---------------------------------|---------------------|---------------------------|--|
| DOOR TYPES Area X BWPM = Points | | | | Type | Area X WPM = Points | | |
| Adjacent | 20.0 | 11.50 | 230.0 | Exterior Wood | 59.0 | 12.30 | 725.7 |
| Exterior | 203.0 | 12.30 | 2496.9 | Exterior Wood | 144.0 | 12.30 | 1771.2 |
| | | | | Adjacent Wood | 20.0 | 11.50 | 230.0 |
| Base Total: | 223.0 | | 2726.9 | As-Built Total: | 223.0 | | 2726.9 |
| CEILING TYPES Area X BWPM = Points | | | | Type | R-Value | Area X WPM X WCM = Points | |
| Under Attic | 3776.0 | 2.05 | 7740.8 | Under Attic | 30.0 | 3776.0 2.05 X 1.00 | 7740.8 |
| Base Total: | 3776.0 | | 7740.8 | As-Built Total: | | 3776.0 | 7740.8 |
| FLOOR TYPES Area X BWPM = Points | | | | Type | R-Value | Area X WPM = Points | |
| Slab | 352.0(p) | 8.9 | 3132.8 | Slab-On-Grade Edge Insulation | 0.0 | 352.0(p) 18.80 | 6617.6 |
| Raised | 0.0 | 0.00 | 0.0 | | | | |
| Base Total: | | | 3132.8 | As-Built Total: | | 352.0 | 6617.6 |
| INFILTRATION Area X BWPM = Points | | | | | | Area X WPM = Points | |
| | 3776.0 | -0.59 | -2227.8 | | | 3776.0 -0.59 | -2227.8 |
| Winter Base Points: 34336.6 | | | | Winter As-Built Points: 36915.4 | | | |
| Total Winter Points | X | System Multiplier | = Heating Points | Total Component | X Cap Ratio | X Duct Multiplier | X System Multiplier X Credit Multiplier = Heating Points |
| | | | | | (DM x DSM x AHU) | | |
| | | | | 36915.4 | 0.500 | (1.069 x 1.169 x 0.93) | 0.501 1.000 10757.2 |
| | | | | 36915.4 | 0.500 | (1.00 x 1.169 x 1.00) | 0.501 1.000 10757.2 |
| 34336.6 | 0.6274 | | 21542.8 | 36915.4 | 1.00 | 1.162 | 0.501 1.000 21514.4 |

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Little Rd, Lake City, FL,

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 Multiplier | = Total |
| 3 | | 2746.00 | 8238.0 | 50.0 | 0.88 | 3 | | 0.50 | 2746.00 | 4119.0 |
| | | | | 50.0 | 0.88 | 3 | | 0.50 | 2746.00 | 4119.0 |
| | | | | As-Built Total: | | | | | | 8238.0 |

| CODE COMPLIANCE STATUS | | | | | | | | | |
|------------------------|---|----------------|---|---------------------------------|----------------|---|----------------|---|---------------------------------|
| BASE | | | | | AS-BUILT | | | | |
| Cooling Points | + | Heating Points | + | Hot Water Points = Total Points | Cooling Points | + | Heating Points | + | Hot Water Points = Total Points |
| 22753 | | 21543 | | 8238 52533 | 21549 | | 21514 | | 8238 51302 |

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Little Rd, Lake City, FL,

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* = 82.2

The higher the score, the more efficient the home.

Ben Zuber, Little Rd, Lake City, FL,

| | | | |
|--|--------------------------------|--|-------------------|
| 1. New construction or existing | New | 12. Cooling systems | |
| 2. Single family or multi-family | Single family | a. Central Unit | Cap: 36.0 kBtu/hr |
| 3. Number of units, if multi-family | 1 | | SEER: 10.00 |
| 4. Number of Bedrooms | 3 | b. Central Unit | Cap: 36.0 kBtu/hr |
| 5. Is this a worst case? | Yes | | SEER: 10.00 |
| 6. Conditioned floor area (ft ²) | 3776 ft ² | c. N/A | |
| 7. Glass area & type | | | |
| a. Clear - single pane | 0.0 ft ² | 13. Heating systems | |
| b. Clear - double pane | 751.6 ft ² | a. Electric Heat Pump | Cap: 36.0 kBtu/hr |
| c. Tint/other SHGC - single pane | 0.0 ft ² | | HSPF: 6.80 |
| d. Tint/other SHGC - double pane | 0.0 ft ² | b. Electric Heat Pump | Cap: 36.0 kBtu/hr |
| 8. Floor types | | | HSPF: 6.80 |
| a. Slab-On-Grade Edge Insulation | R=0.0, 352.0(p) ft | c. N/A | |
| b. N/A | | | |
| c. N/A | | 14. Hot water systems | |
| 9. Wall types | | a. Electric Resistance | Cap: 50.0 gallons |
| a. Frame, Wood, Exterior | R=13.0, 3656.0 ft ² | | EF: 0.88 |
| b. Frame, Wood, Adjacent | R=13.0, 216.0 ft ² | b. Electric Resistance | Cap: 50.0 gallons |
| c. N/A | | | EF: 0.88 |
| d. N/A | | c. Conservation credits | |
| e. N/A | | (HR-Heat recovery, Solar | |
| 10. Ceiling types | | DHP-Dedicated heat pump) | |
| a. Under Attic | R=30.0, 3776.0 ft ² | 15. HVAC credits | |
| b. N/A | | (CF-Ceiling fan, CV-Cross ventilation, | |
| c. N/A | | HF-Whole house fan, | |
| 11. Ducts | | PT-Programmable Thermostat, | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 220.0 ft | RB-Attic radiant barrier, | |
| b. N/A | | MZ-C-Multizone cooling, | |
| | | MZ-H-Multizone heating) | |

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.*

EnergyGauge® (Version: FLRCPB v3.2)

Residential System Sizing Calculation

Summary

Ben Zuber
Little Rd
Lake City, FL

Project Title:
Zuber Residence

Code Only
Professional Version
Climate: North

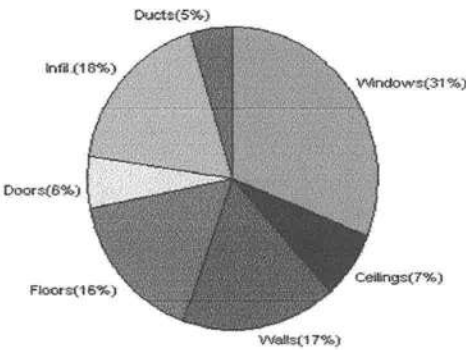
2/26/2004

| | | | |
|--|-------------------|---------------------------------------|-------------------|
| Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M) | | | |
| Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.) | | | |
| Winter design temperature | 31 F | Summer design temperature | 93 F |
| Winter setpoint | 70 F | Summer setpoint | 75 F |
| Winter temperature difference | 39 F | Summer temperature difference | 18 F |
| Total heating load calculation | 67945 Btuh | Total cooling load calculation | 66969 Btuh |
| Submitted heating capacity | 72000 Btuh | Submitted cooling capacity | 72000 Btuh |
| Submitted as % of calculated | 106.0 % | Submitted as % of calculated | 107.5 % |

WINTER CALCULATIONS

Winter Heating Load (for 3776 sqft)

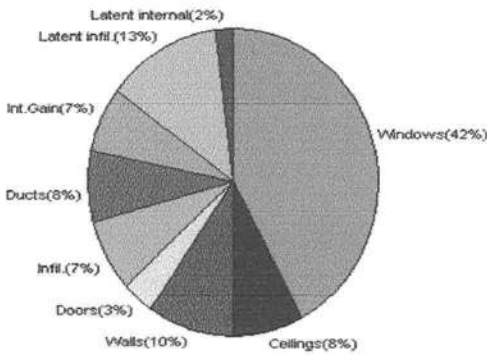
| Load component | | Load | |
|------------------------|-----------|--------------|-------------|
| Window total | 752 sqft | 21270 | Btuh |
| Wall total | 3872 sqft | 11679 | Btuh |
| Door total | 223 sqft | 3826 | Btuh |
| Ceiling total | 3776 sqft | 4909 | Btuh |
| Floor total | 352 ft | 11123 | Btuh |
| Infiltration | 277 cfm | 11903 | Btuh |
| Subtotal | | 64710 | Btuh |
| Duct loss | | 3235 | Btuh |
| TOTAL HEAT LOSS | | 67945 | Btuh |



SUMMER CALCULATIONS

Summer Cooling Load (for 3776 sqft)

| Load component | | Load | |
|----------------------------|-----------|--------------|-------------|
| Window total | 752 sqft | 28192 | Btuh |
| Wall total | 3872 sqft | 6586 | Btuh |
| Door total | 223 sqft | 2226 | Btuh |
| Ceiling total | 3776 sqft | 5362 | Btuh |
| Floor total | | 0 | Btuh |
| Infiltration | 243 cfm | 4807 | Btuh |
| Internal gain | | 4800 | Btuh |
| Subtotal(sensible) | | 51972 | Btuh |
| Duct gain | | 5197 | Btuh |
| Total sensible gain | | 57169 | Btuh |
| Latent gain(infiltration) | | 8420 | Btuh |
| Latent gain(internal) | | 1380 | Btuh |
| Total latent gain | | 9800 | Btuh |
| TOTAL HEAT GAIN | | 66969 | Btuh |



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Ben Zuber
Little Rd
Lake City, FL

Project Title:
Zuber Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

2/26/2004

| Window | Panes/SHGC/Frame/U | Orientation | Area X | HTM= | Load |
|---------------|--------------------------|-------------|-------------|------|------------|
| 1 | 2, Clear, Metal, DEF | N | 90.0 | 28.3 | 2547 Btuh |
| 2 | 2, Clear, Metal, DEF | N | 12.0 | 28.3 | 340 Btuh |
| 3 | 2, Clear, Metal, DEF | N | 10.7 | 28.3 | 302 Btuh |
| 4 | 2, Clear, Metal, DEF | NE | 9.3 | 28.3 | 264 Btuh |
| 5 | 2, Clear, Metal, DEF | N | 9.3 | 28.3 | 264 Btuh |
| 6 | 2, Clear, Metal, DEF | NW | 9.3 | 28.3 | 264 Btuh |
| 7 | 2, Clear, Metal, DEF | W | 9.3 | 28.3 | 264 Btuh |
| 8 | 2, Clear, Metal, DEF | SW | 16.7 | 28.3 | 472 Btuh |
| 9 | 2, Clear, Metal, DEF | W | 15.0 | 28.3 | 424 Btuh |
| 10 | 2, Clear, Metal, DEF | SW | 40.0 | 28.3 | 1132 Btuh |
| 11 | 2, Clear, Metal, DEF | S | 18.0 | 28.3 | 509 Btuh |
| 12 | 2, Clear, Metal, DEF | SW | 36.0 | 28.3 | 1019 Btuh |
| 13 | 2, Clear, Metal, DEF | S | 18.0 | 28.3 | 509 Btuh |
| 14 | 2, Clear, Metal, DEF | S | 6.0 | 28.3 | 170 Btuh |
| 15 | 2, Clear, Metal, DEF | SE | 36.0 | 28.3 | 1019 Btuh |
| 16 | 2, Clear, Metal, DEF | W | 12.0 | 28.3 | 340 Btuh |
| 17 | 2, Clear, Metal, DEF | W | 20.0 | 28.3 | 566 Btuh |
| 18 | 2, Clear, Metal, DEF | S | 72.0 | 28.3 | 2038 Btuh |
| 19 | 2, Clear, Metal, DEF | S | 24.0 | 28.3 | 679 Btuh |
| 20 | 2, Clear, Metal, DEF | E | 44.0 | 28.3 | 1245 Btuh |
| 21 | 2, Clear, Metal, DEF | E | 14.7 | 28.3 | 415 Btuh |
| 22 | 2, Clear, Metal, DEF | E | 8.0 | 28.3 | 226 Btuh |
| 23 | 2, Clear, Metal, DEF | E | 36.0 | 28.3 | 1019 Btuh |
| 24 | 2, Clear, Metal, DEF | N | 9.0 | 28.3 | 255 Btuh |
| 25 | 2, Clear, Metal, DEF | S | 93.5 | 28.3 | 2646 Btuh |
| 26 | 2, Clear, Metal, DEF | SW | 46.8 | 28.3 | 1323 Btuh |
| 27 | 2, Clear, Metal, DEF | S | 12.0 | 28.3 | 340 Btuh |
| 28 | 2, Clear, Metal, DEF | W | 24.0 | 28.3 | 679 Btuh |
| Window Total | | | 752 | | 21270 Btuh |
| Walls | Type | R-Value | Area X | HTM= | Load |
| 1 | Frame - Exterior | 13.0 | 3656 | 3.1 | 11334 Btuh |
| 2 | Frame - Adjacent | 13.0 | 216 | 1.6 | 346 Btuh |
| Wall Total | | | 3872 | | 11679 Btuh |
| Doors | Type | | Area X | HTM= | Load |
| 1 | Wood - Exter | | 59 | 17.9 | 1058 Btuh |
| 2 | Wood - Exter | | 144 | 17.9 | 2583 Btuh |
| 3 | Wood - Adjac | | 20 | 9.2 | 184 Btuh |
| Door Total | | | 223 | | 3826Btuh |
| Ceilings | Type | R-Value | Area X | HTM= | Load |
| 1 | Under Attic | 30.0 | 3776 | 1.3 | 4909 Btuh |
| Ceiling Total | | | 3776 | | 4909Btuh |
| Floors | Type | R-Value | Size X | HTM= | Load |
| 1 | Slab-On-Grade Edge Insul | 0 | 352.0 ft(p) | 31.6 | 11123 Btuh |

EnergyGauge® FLRCPB v3.2

Manual J Winter Calculations

Residential Load - Component Details (continued)

Ben Zuber
Little Rd
Lake City, FL

Project Title:
Zuber Residence

Code Only
Professional Version
Climate: North

2/26/2004

| Infiltration | Type | ACH X | Building Volume | CFM= | Load |
|--------------|--------------------|-------|-----------------|------|------------|
| | Natural | 0.40 | 41536(sqft) | 277 | 11903 Btuh |
| | Mechanical | | | 0 | 0 Btuh |
| | Infiltration Total | | | 277 | 11903 Btuh |

| | | |
|--------------------|--|------------|
| Totals for Heating | Subtotal | 64710 Btuh |
| | Duct Loss(using duct multiplier of 0.05) | 3235 Btuh |
| | Total Btuh Loss | 67945 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

Ben Zuber
Little Rd
Lake City, FL

Project Title:
Zuber Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F 2/26/2004

| Window | Type | | Overhang | | Window Area(sqft) | | | HTM | | Load | |
|----------|------------------------|------------------|----------|-------|-------------------|--------|----------|-----------|-----------|-----------|------|
| | Panes/SHGC/U/InSh/ExSh | Omt | Len | Hgt | Gross | Shaded | Unshaded | Shaded | Unshaded | | |
| 1 | 2, Clear, DEF, N, N | N | 1.5 | 8 | 90.0 | 0.0 | 90.0 | 22 | 22 | 1980 | Btuh |
| 2 | 2, Clear, DEF, N, N | N | 1.5 | 3 | 12.0 | 0.0 | 12.0 | 22 | 22 | 264 | Btuh |
| 3 | 2, Clear, DEF, N, N | N | 1.5 | 3 | 10.7 | 0.0 | 10.7 | 22 | 22 | 235 | Btuh |
| 4 | 2, Clear, DEF, N, N | NE | 1.5 | 3.33 | 9.3 | 0.0 | 9.3 | 22 | 50 | 467 | Btuh |
| 5 | 2, Clear, DEF, N, N | N | 1.5 | 3.33 | 9.3 | 0.0 | 9.3 | 22 | 22 | 205 | Btuh |
| 6 | 2, Clear, DEF, N, N | NW | 1.5 | 3.33 | 9.3 | 0.0 | 9.3 | 22 | 50 | 467 | Btuh |
| 7 | 2, Clear, DEF, N, N | W | 1.5 | 3.33 | 9.3 | 1.0 | 8.4 | 22 | 72 | 623 | Btuh |
| 8 | 2, Clear, DEF, N, N | SW | 1.5 | 3.33 | 16.7 | 13.4 | 3.2 | 22 | 62 | 496 | Btuh |
| 9 | 2, Clear, DEF, N, N | W | 1.5 | 2.5 | 15.0 | 1.2 | 13.8 | 22 | 72 | 1019 | Btuh |
| 10 | 2, Clear, DEF, N, N | SW | 1.5 | 6 | 40.0 | 6.1 | 33.9 | 22 | 62 | 2236 | Btuh |
| 11 | 2, Clear, DEF, N, N | S | 8.5 | 4 | 18.0 | 9.0 | 9.0 | 22 | 37 | 531 | Btuh |
| 12 | 2, Clear, DEF, N, N | SW | 6 | 7 | 36.0 | 18.0 | 18.0 | 22 | 62 | 1512 | Btuh |
| 13 | 2, Clear, DEF, N, N | S | 4 | 7 | 18.0 | 18.0 | 0.0 | 22 | 37 | 396 | Btuh |
| 14 | 2, Clear, DEF, N, N | S | 4 | 3 | 6.0 | 6.0 | 0.0 | 22 | 37 | 132 | Btuh |
| 15 | 2, Clear, DEF, N, N | SE | 5 | 7 | 36.0 | 18.0 | 18.0 | 22 | 62 | 1512 | Btuh |
| 16 | 2, Clear, DEF, N, N | W | 30 | 3 | 12.0 | 12.0 | 0.0 | 22 | 72 | 264 | Btuh |
| 17 | 2, Clear, DEF, N, N | W | 15 | 3 | 20.0 | 20.0 | 0.0 | 22 | 72 | 440 | Btuh |
| 18 | 2, Clear, DEF, N, N | S | 1.5 | 7 | 72.0 | 36.0 | 36.0 | 22 | 37 | 2124 | Btuh |
| 19 | 2, Clear, DEF, N, N | S | 1.5 | 3 | 24.0 | 12.0 | 12.0 | 22 | 37 | 708 | Btuh |
| 20 | 2, Clear, DEF, N, N | E | 1.5 | 7 | 44.0 | 0.9 | 43.1 | 22 | 72 | 3123 | Btuh |
| 21 | 2, Clear, DEF, N, N | E | 1.5 | 3 | 14.7 | 0.9 | 13.8 | 22 | 72 | 1011 | Btuh |
| 22 | 2, Clear, DEF, N, N | E | 1.5 | 5 | 8.0 | 0.5 | 7.5 | 22 | 72 | 552 | Btuh |
| 23 | 2, Clear, DEF, N, N | E | 1.5 | 7 | 36.0 | 1.5 | 34.5 | 22 | 72 | 2518 | Btuh |
| 24 | 2, Clear, DEF, N, N | N | 1.5 | 3 | 9.0 | 0.0 | 9.0 | 22 | 22 | 198 | Btuh |
| 25 | 2, Clear, DEF, N, N | S | 15 | 9.5 | 93.5 | 46.8 | 46.8 | 22 | 37 | 2758 | Btuh |
| 26 | 2, Clear, DEF, N, N | SW | 7 | 9.5 | 46.8 | 46.8 | 0.0 | 22 | 62 | 1028 | Btuh |
| 27 | 2, Clear, DEF, N, N | S | 6 | 9 | 12.0 | 12.0 | 0.0 | 22 | 37 | 264 | Btuh |
| 28 | 2, Clear, DEF, N, N | W | 13 | 9.5 | 24.0 | 12.0 | 12.0 | 22 | 72 | 1128 | Btuh |
| | Window Total | | | | 752 | | | | | 28192 | Btuh |
| Walls | Type | R-Value | | Area | | HTM | | Load | | | |
| | 1 | Frame - Exterior | | 13.0 | | 3656.0 | | 1.7 | | 6361 Btuh | |
| | 2 | Frame - Adjacent | | 13.0 | | 216.0 | | 1.0 | | 225 Btuh | |
| | Wall Total | | | | 3872.0 | | | | 6586 Btuh | | |
| Doors | Type | | | Area | | HTM | | Load | | | |
| | 1 | Wood - Exter | | 59.0 | | 10.0 | | 589 Btuh | | | |
| | 2 | Wood - Exter | | 144.0 | | 10.0 | | 1437 Btuh | | | |
| | 3 | Wood - Adjac | | 20.0 | | 10.0 | | 200 Btuh | | | |
| | Door Total | | | | 223.0 | | | | 2226 Btuh | | |
| Ceilings | Type/Color | R-Value | | Area | | HTM | | Load | | | |
| | 1 | Under Attic/Dark | | 30.0 | | 3776.0 | | 1.4 | | 5362 Btuh | |
| | Ceiling Total | | | | 3776.0 | | | | 5362 Btuh | | |

Manual J Summer Calculations

Residential Load - Component Details (continued)

Ben Zuber
Little Rd
Lake City, FL

Project Title:
Zuber Residence

Code Only
Professional Version
Climate: North

2/26/2004

| Floors | Type | R-Value | Size | HTM | Load |
|--------------|-------------------------------|---------|-------------|-------|-----------|
| 1 | Slab-On-Grade Edge Insulation | 0.0 | 352.0 ft(p) | 0.0 | 0 Btuh |
| | Floor Total | | 352.0 | | 0 Btuh |
| Infiltration | Type | ACH | Volume | CFM= | Load |
| | Natural | 0.35 | 41536 | 242.8 | 4807 Btuh |
| | Mechanical | | | 0 | 0 Btuh |
| | Infiltration Total | | | 243 | 4807 Btuh |

| Internal gain | Occupants | Btuh/occupant | Appliance | Load |
|---------------|-----------|---------------|-----------|-----------|
| | 6 | X 300 + | 3000 | 4800 Btuh |

| | | |
|--------------------|---|------------|
| Totals for Cooling | Subtotal | 51972 Btuh |
| | Duct gain(using duct multiplier of 0.10) | 5197 Btuh |
| | Total sensible gain | 57169 Btuh |
| | Latent infiltration gain (for 51 gr. humidity difference) | 8420 Btuh |
| | Latent occupant gain (6 people @ 230 Btuh per person) | 1380 Btuh |
| | Latent other gain | 0 Btuh |
| | TOTAL GAIN | 66969 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)

COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 01-5S-16-03390-008

Building permit No. 000022465

Use Classification SFD, UTILITY

Fire: 53.28

Permit Holder AARON SIMQUE

Waste: 110.25

Owner of Building BEN ZUBER

Total: 163.53

Location: 983 SW LITTLE ROAD, LAKE CITY, FL

Date: 01/04/2006

Thany Dieke

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

22465

ATS

Permit No. _____ Tax Folio No. _____

NOTICE OF COMMENCEMENT

STATE OF FL
COUNTY OF Columbia

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

1. Description of property:

See Exhibit "A" attached hereto and by this reference made a part hereof.

2. General description of improvement:

Construction of Single Family Dwelling

3. Owner information:

a. Name and address:

Benjamin D. Zuber and his wife, Anne Rebecca Zuber

b. Interest in property: Fee Simple

c. Name and address of fee simple titleholder (if other than Owner):

4. Contractor:

Aaron Sique Homes
P.O. Box 2183, Lake City, FL 32056

5. Surety

a. Name and address:

b. Amount of bond \$ _____

6. Lender:

ATTN: Lawrence P. Bailey, Sr., Vice President,
ABN AMRO Mortgage Group, Inc.
Construction Lending Center
81 West Main Street St., 8th Floor
Waterbury, CT 06702

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:

8. In addition to himself, Owner designates Lawrence P. Bailey, Sr. VP of ABN AMRO Mtg. Group, Inc. to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____

Signature of Owner

Signature of Owner

Sworn to and subscribed before me this 4th day of October, 2004

Notary Public, State of

FL

My Commission Expires:



Matthew Rocco
My Commission DD150709
Expires September 17, 2006

Inst:2004022840 Date:10/12/2004 Time:09:53

MK DC, P. Dewitt Cason, Columbia County B:1027 P:2184

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

224658

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-2511
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Ben Zuber Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 943 S.W. Little Rd
Zuber City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill 12.5x

Section 4: Treatment Information

Date(s) of Treatment(s) 12-15-04
Brand Name of Product(s) Used Surround
EPA Registration No. 70907-7-53447
Approximate Final Mix Solution % 0.5
Approximate Size of Treatment Area: Sq. ft. 5413 Linear ft. 380 Linear ft. of Masonry Voids 390
Approximate Total Gallons of Solution Applied 1300
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Steve Brannon Date 12-15-04

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

Reorder Product #2581 • From Crown Graphics, Inc. • 1-800-252-4011