

DATE 11/18/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022511

APPLICANT BRANDON STEELE PHONE 755-0841
ADDRESS P.O.BOX 2183 LAKE CITY FL 32056
OWNER AARON SIMQUE PHONE 755-0841
ADDRESS 285 SW NIGHTSHADE DRIVE LAKE CITY FL 32055
CONTRACTOR AARON SIMQUE PHONE 755-0841
LOCATION OF PROPERTY 47S, TL ON WESTER ROAD, TL ON NIGHTSHADE, 8TH ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 119800.00
HEATED FLOOR AREA 2396.00 TOTAL AREA 3121.00 HEIGHT .00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB
LAND USE & ZONING RSF1 MAX. HEIGHT 22
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 30-4S-17-08898-113 SUBDIVISION WESTERWOOD
LOT 13 BLOCK PHASE UNIT TOTAL ACRES 1.00

000000452 N RB29003130
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT PERMIT 04-1039-N BK JK Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

Check # or Cash 50408

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 \$ 600.00 CERTIFICATION FEE \$ 15.61 SURCHARGE FEE \$ 15.61
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 706.22

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.

C/K# 50408

Columbia County Building Permit Application

706.22

For Office Use Only Application # 0411-16 Date Received 11-4-04 By G Permit # 452/22511
Application Approved by - Zoning Official BLK Date 11.11.04 Plans Examiner _____ Date _____
Flood Zone Xir phd Development Permit N/A Zoning RSF-1 Land Use Plan Map Category RES. U. L. DEN.
Comments _____

Applicants Name Brandon Steele Phone 386-755-0841
Address PO Box 2183, LC, FL 32056
Owners Name Aaron Siquue Homes, Inc. Phone 386-755-0841
911 Address 285 SW Nightshade Drive
Contractors Name Aaron Siquue Homes, Inc. Phone 386-755-0841
Address PO Box 2183, Lake City, FL 32056
Fee Simple Owner Name & Address N/A
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Will Myers / Nicholas Geisler
Mortgage Lenders Name & Address CCB / Turner Rd.
Property ID Number 30-45-17-08998-113 Estimated Cost of Construction \$150,000.00
Subdivision Name Wester Woods Lot 13 Block - Unit - Phase -
Driving Directions Hwy 47 S to SW Wester Rd, TL on Wester, TL on SW Nightshade Drive, Site is 8th on Right.
Type of Construction Brick / Frame Number of Existing Dwellings on Property 0
Total Acreage 1 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 50' Side 43' Side 43' Rear 176'
Total Building Height 22' Number of Stories 1 Heated Floor Area 2396 Roof Pitch 8/12

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.

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Brandon Steele
Owner/Builder or Agent (including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 2nd day of November 2004.
Personally known X or Produced Identification _____

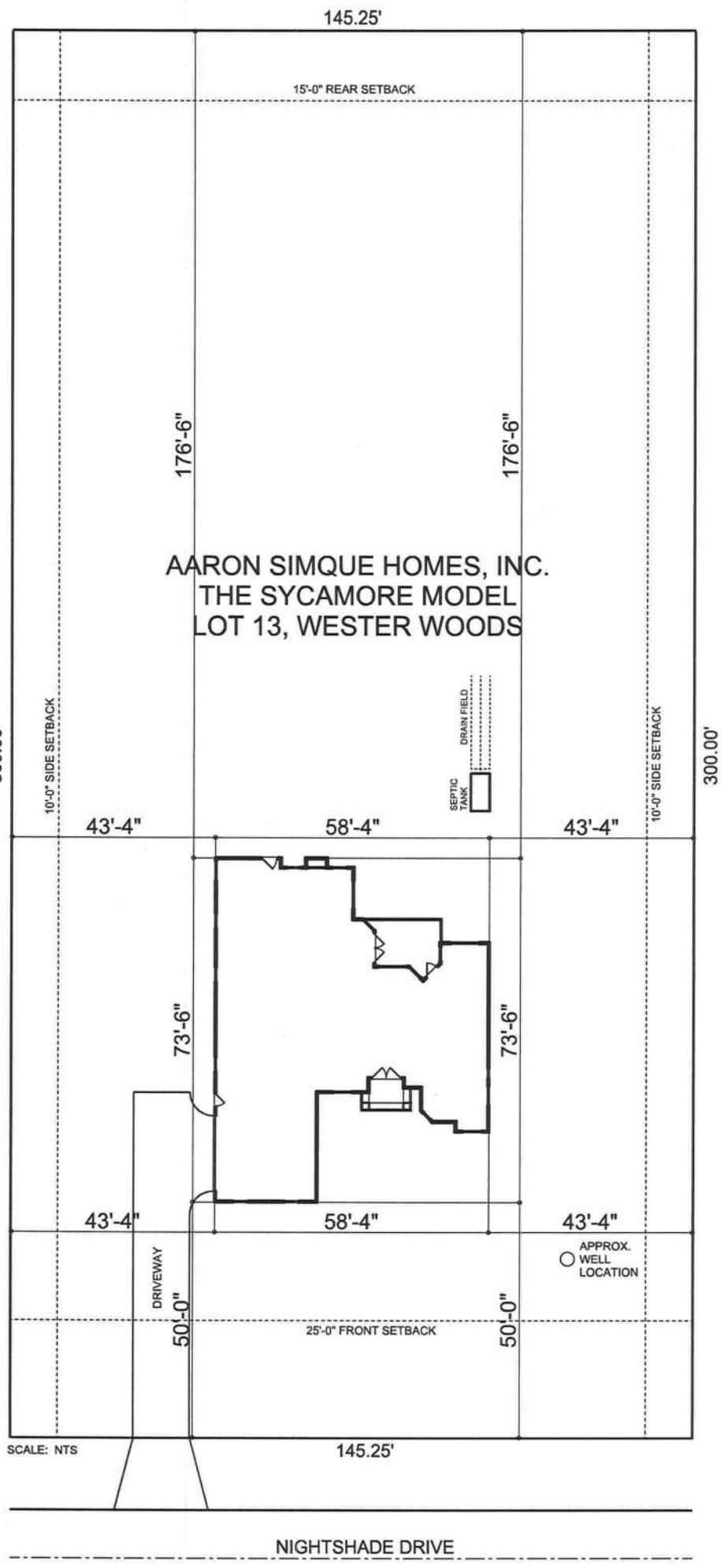
Brandon Steele
Contractor Signature

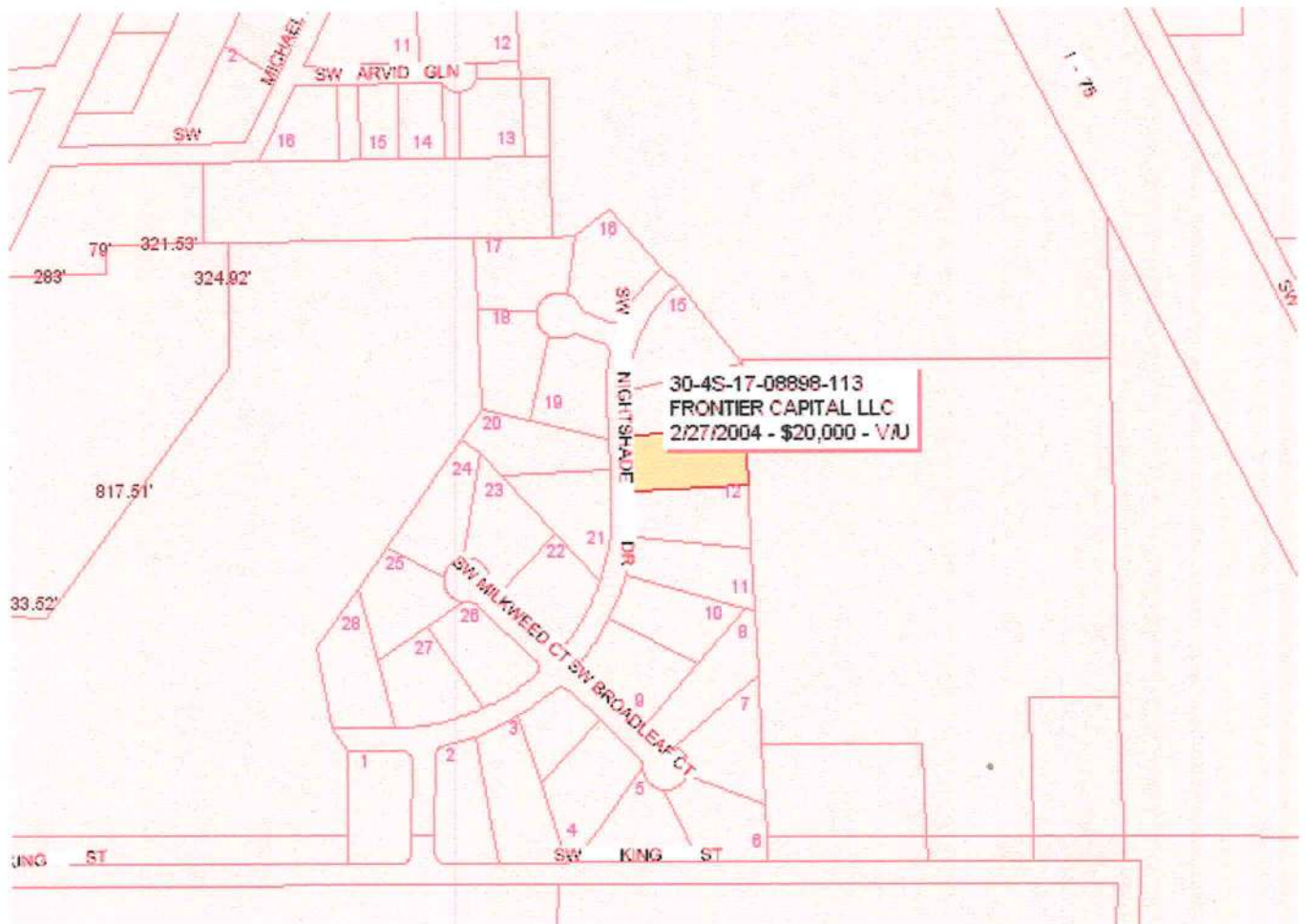
Contractors License Number 2B29003130
Competency Card Number 5323

NOTARY STAMP/SEAL

Brandon Steele
Notary Signature







30-4S-17-08898-113

Columbia County Property Appraiser

Owner & Property Info

Owner's Name	FRONTIER CAPITAL LLC
Site Address	WESTER WOODS S/D
Mailing Address	P O BOX 3566 LAKE CITY, FL 32056
Brief Legal	LOT 13 WESTER WOODS S/D. WD 1008-1904.

Show: [Tax Info](#) | [GIS Map](#) | [Property Card](#)

Use Desc. (code)	VACANT (000000)
Neighborhood	30417.02
Tax District	3
UD Codes	
Market Area	01
Total Land Area	1.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$21,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$21,000.00

Just Value	\$21,000.00
Class Value	\$0.00
Assessed Value	\$21,000.00
Exempt Value	\$0.00
Total Taxable Value	\$21,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/27/2004	1008/1964	WD	V	U	03	\$20,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

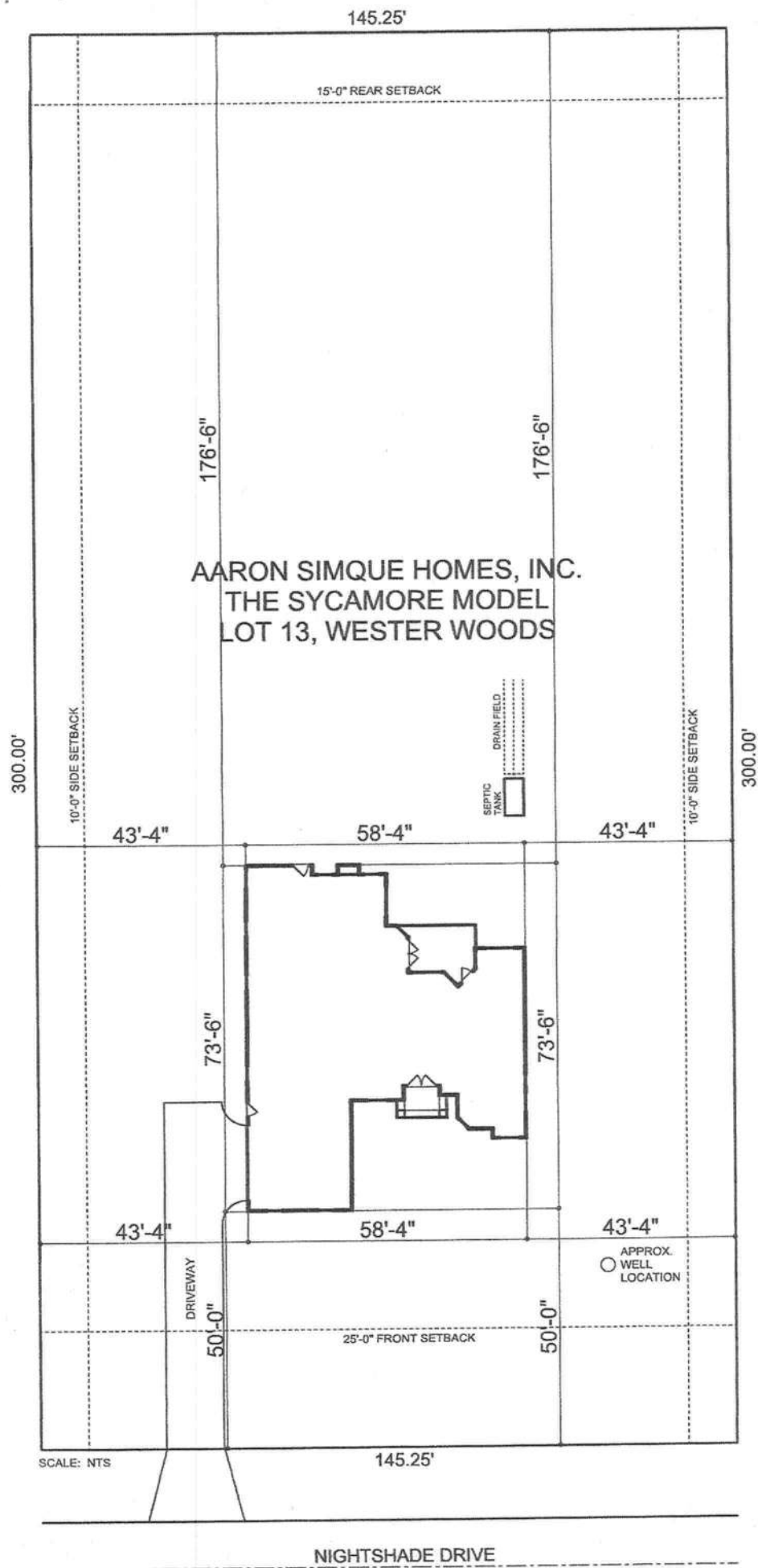
Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT	1.00/1.00/1.00/1.00	\$21,000.00	\$21,000.00

Columbia County Property Appraiser

DB Last Updated: 10/8/2004



Contract For Sale And Purchase

FLORIDA ASSOCIATION OF REALTORS® AND THE FLORIDA BAR

1* **PARTIES:** Frontier Capital, LLC ("Seller"),
 2* and Aaron Simque Homes, Inc ("Buyer"),
 3 hereby agree that Seller shall sell and Buyer shall buy the following described Real Property and Personal Property (collectively "Property")
 4 pursuant to the terms and conditions of this Contract for Sale and Purchase and any riders and addenda ("Contract"):

I. DESCRIPTION:

6* (a) Legal description of the Real Property located in Columbia County, Florida: _____
 7* Lot 13 WesterWoods
 8* _____
 9* (b) Street address, city, zip, of the Property: Nightshade
 10 (c) Personal Property includes existing range(s), refrigerator(s), dishwasher(s), ceiling fan(s), light fixture(s), and window treatment(s) unless
 11 specifically excluded below.
 12* Other items included are: vacant land
 13* _____
 14* Items of Personal Property (and leased items, if any) excluded are: _____
 15* _____

16* **II. PURCHASE PRICE** (U.S. currency): \$ 29,900.00

PAYMENT:

18* (a) Deposit held in escrow by _____ (Escrow Agent) in the amount of (checks subject to clearance) \$ _____
 19* (b) Additional escrow deposit to be made to Escrow Agent within _____ days after Effective Date
 20* (see Paragraph III) in the amount of. \$ _____
 21* (c) Financing (see Paragraph IV) in the amount of. \$ 29,900.00
 22* (d) Other \$ _____
 23 (e) Balance to close by cash, wire transfer or LOCALLY DRAWN cashier's or official bank check(s), subject
 24* to adjustments or prorations \$ 0.00

III. TIME FOR ACCEPTANCE OF OFFER AND COUNTEROFFERS; EFFECTIVE DATE:

26 (a) If this offer is not executed by and delivered to all parties OR FACT OF EXECUTION communicated in writing between the parties on or
 27* before _____, the deposit(s) will, at Buyer's option, be returned and this offer withdrawn. **UNLESS OTH-**
 28 **ERWISE STATED, THE TIME FOR ACCEPTANCE OF ANY COUNTEROFFERS SHALL BE 2 DAYS FROM THE DATE THE COUN-**
 29 **TEROFFER IS DELIVERED.**
 30 (b) The date of Contract ("Effective Date") will be the date when the last one of the Buyer and Seller has signed or initialed this offer or the
 31 final counteroffer. If such date is not otherwise set forth in this Contract, then the "Effective Date" shall be the date determined above for
 32 acceptance of this offer or, if applicable, the final counteroffer.

IV. FINANCING:

34* ☐ (a) This is a cash transaction with no contingencies for financing;
 35* ☐ (b) This Contract is contingent on Buyer obtaining approval of a loan ("Loan Approval") within _____ days (if blank, then 30 days) after
 36* Effective Date ("Loan Approval Date") for (CHECK ONLY ONE): ☐ a fixed; ☐ an adjustable; or ☐ a fixed or adjustable rate loan, in the prin-
 37* cipal amount of \$ _____, at an initial interest rate not to exceed _____%, discount and origination fees not to exceed
 38* _____% of principal amount, and for a term of _____ years. Buyer will make application within _____ days (if blank, then 5 days) after
 39 Effective Date. Buyer shall use reasonable diligence to: obtain Loan Approval and notify Seller in writing of Loan Approval by Loan
 40 Approval Date; satisfy terms and conditions of the Loan Approval; and close the loan. Loan Approval which requires a condition related to
 41 the sale of other property shall not be deemed Loan Approval for purposes of this subparagraph. Buyer shall pay all loan expenses. If Buyer
 42 does not deliver written notice to Seller by Loan Approval Date stating Buyer has either obtained Loan Approval or waived this financing con-
 43 tingency, then either party may cancel this Contract by delivering written notice ("Cancellation Notice") to the other, not later than seven (7)
 44 days prior to Closing. Seller's Cancellation Notice must state that Buyer has three (3) days to deliver to Seller written notice waiving this
 45 financing contingency. If Buyer has used due diligence and has not obtained Loan Approval before cancellation as provided above, Buyer
 46 shall be refunded the deposit(s). Unless this financing contingency has been waived, this Contract shall remain subject to the satisfaction,
 47 by Closing, of those conditions of Loan Approval related to the Property;
 48* ☐ (c) Assumption of existing mortgage (see rider for terms); or
 49* ☒ (d) Purchase money note and mortgage to Seller (see Standards B and K and riders; addenda; or special clauses for terms).

50* **V. TITLE EVIDENCE:** At least _____ days (if blank, then 5 days) before Closing a title insurance commitment with legible copies of instruments
 51 listed as exceptions attached thereto ("Title Commitment") and, after Closing, an owner's policy of title insurance (see Standard A for terms) shall
 52 be obtained by:

53* (CHECK ONLY ONE): ☒ (1) Seller, at Seller's expense and delivered to Buyer or Buyer's attorney; or
 54* ☐ (2) Buyer at Buyer's expense.

55* (CHECK HERE): ☐ If an abstract of title is to be furnished instead of title insurance, and attach rider for terms.

56* **VI. CLOSING DATE:** This transaction shall be closed and the closing documents delivered on Oct 15, 2004 ("Closing"), unless
 57 modified by other provisions of this Contract. If Buyer is unable to obtain Hazard, Wind, Flood, or Homeowners' insurance at a reasonable rate
 58 due to extreme weather conditions, Buyer may delay Closing for up to 5 days after such coverage becomes available.

59 **VII. RESTRICTIONS; EASEMENTS; LIMITATIONS:** Seller shall convey marketable title subject to: comprehensive land use plans, zoning,
 60 restrictions, prohibitions and other requirements imposed by governmental authority; restrictions and matters appearing on the plat or otherwise

61 common to the subdivision; outstanding oil, gas and mineral rights of record without right of entry; unplatted public utility easements of record
62 (located contiguous to real property lines and not more than 10 feet in width as to the rear or front lines and 7 1/2 feet in width as to the side
63 lines); taxes for year of Closing and subsequent years; and assumed mortgages and purchase money mortgages, if any (if additional items, see
64 addendum); provided, that there exists at Closing no violation of the foregoing and none prevent use of the Property for
65* residential purpose(s).

66 **VIII. OCCUPANCY:** Seller shall deliver occupancy of Property to Buyer at time of Closing unless otherwise stated herein. If Property is intended
67 to be rented or occupied beyond Closing, the fact and terms thereof and the tenant(s) or occupants shall be disclosed pursuant to Standard F.
68 If occupancy is to be delivered before Closing, Buyer assumes all risks of loss to Property from date of occupancy, shall be responsible and liable
69 for maintenance from that date, and shall be deemed to have accepted Property in its existing condition as of time of taking occupancy.

70 **IX. TYPEWRITTEN OR HANDWRITTEN PROVISIONS:** Typewritten or handwritten provisions, riders and addenda shall control all printed pro-
71 visions of this Contract in conflict with them.

72* **X. ASSIGNABILITY:** (CHECK ONLY ONE): Buyer ☐ may assign and thereby be released from any further liability under this Contract; ☐ may
73* assign but not be released from liability under this Contract; or ☒ may not assign this Contract.

74 **XI. DISCLOSURES:**

75* (a) ☐ CHECK HERE if the Property is subject to a special assessment lien imposed by a public body payable in installments which
76* continue beyond Closing and, if so, specify who shall pay amounts due after Closing: ☐ Seller ☐ Buyer ☐ Other (see addendum).

77 (b) Radon is a naturally occurring radioactive gas that when accumulated in a building in sufficient quantities may present health risks to per-
78 sons who are exposed to it over time. Levels of radon that exceed federal and state guidelines have been found in buildings in Florida.
79 Additional information regarding radon or radon testing may be obtained from your County Public Health unit.

80 (c) Mold is naturally occurring and may cause health risks or damage to property. If Buyer is concerned or desires additional information
81 regarding mold, Buyer should contact an appropriate professional.

82 (d) Buyer acknowledges receipt of the Florida Energy-Efficiency Rating Information Brochure required by Section 553.996, F.S.

83 (e) If the real property includes pre-1978 residential housing then a lead-based paint rider is mandatory.

84 (f) If Seller is a "foreign person" as defined by the Foreign Investment in Real Property Tax Act, the parties shall comply with that Act.

85 (g) **BUYER SHOULD NOT EXECUTE THIS CONTRACT UNTIL BUYER HAS RECEIVED AND READ THE HOMEOWNERS' ASSOCIA-
86 TION/COMMUNITY DISCLOSURE.**

87 (h) **PROPERTY TAX DISCLOSURE SUMMARY:** BUYER SHOULD NOT RELY ON THE SELLER'S CURRENT PROPERTY TAXES AS THE AMOUNT
88 OF PROPERTY TAXES THAT THE BUYER MAY BE OBLIGATED TO PAY IN THE YEAR SUBSEQUENT TO PURCHASE. A CHANGE OF OWNER-
89 SHIP OR PROPERTY IMPROVEMENTS TRIGGERS REASSESSMENTS OF THE PROPERTY THAT COULD RESULT IN HIGHER PROPERTY TAXES.
90 IF YOU HAVE ANY QUESTIONS CONCERNING VALUATION, CONTACT THE COUNTY PROPERTY APPRAISER'S OFFICE FOR INFORMATION.

91 **XII. MAXIMUM REPAIR COSTS:** Seller shall not be responsible for payments in excess of:

92* (a) \$_____ for treatment and repair under Standard D (if blank, then 1.5% of the Purchase Price).

93* (b) \$_____ for repair and replacement under Standard N not caused by Wood Destroying Organisms (if blank, then 1.5%
94 of the Purchase Price).

95* **XIII. HOME WARRANTY:** ☐ Seller ☐ Buyer ☐ N/A will pay for a home warranty plan issued by _____
96* at a cost not to exceed \$_____.

97 **XIV. RIDERS; ADDENDA; SPECIAL CLAUSES:** CHECK those riders which are applicable AND are attached to and made part of this Contract:

98* ☐ CONDOMINIUM ☐ VA/FHA ☐ HOMEOWNERS' ASSN. ☐ LEAD-BASED PAINT ☐ COASTAL CONSTRUCTION CONTROL LINE

99* ☐ INSULATION ☐ "AS IS" ☐ Other Comprehensive Rider Provisions ☐ Addenda

100* Special Clause(s):

101* **seller will finance lot at 8% for one year or until the builder spec home**

102* **sells, and will subordinate to a first mortgage construction lender**

103*

104 **XV. STANDARDS FOR REAL ESTATE TRANSACTIONS ("Standards"):** Buyer and Seller acknowledge receipt of a copy of Standards A
105 through Y on the reverse side or attached, which are incorporated as part of this Contract.

106 **THIS IS INTENDED TO BE A LEGALLY BINDING CONTRACT. IF NOT FULLY UNDERSTOOD,
107 SEEK THE ADVICE OF AN ATTORNEY PRIOR TO SIGNING.**

108 THIS FORM HAS BEEN APPROVED BY THE FLORIDA ASSOCIATION OF REALTORS® AND THE FLORIDA BAR.

109 Approval does not constitute an opinion that any of the terms and conditions in this Contract should be accepted by the parties in a
110 particular transaction. Terms and conditions should be negotiated based upon the respective interests, objectives and bargaining
111 positions of all interested persons.

112 AN ASTERISK (*) FOLLOWING A LINE NUMBER IN THE MARGIN INDICATES THE LINE CONTAINS A BLANK TO BE COMPLETED.

113* [Signature] 9-24-04 [Signature] 9-24-04
114 (BUYER) (DATE) (SELLER) (DATE)

115* _____
116 (BUYER) (DATE) [Signature] 9/24/04
(SELLER) (DATE)

117* Buyers' address for purposes of notice _____ Sellers' address for purposes of notice _____

118* _____

119* _____ Phone _____ Phone _____

120 **BROKERS:** The brokers (including cooperating brokers, if any) named below are the only brokers entitled to compensation in connection with
121 this Contract:

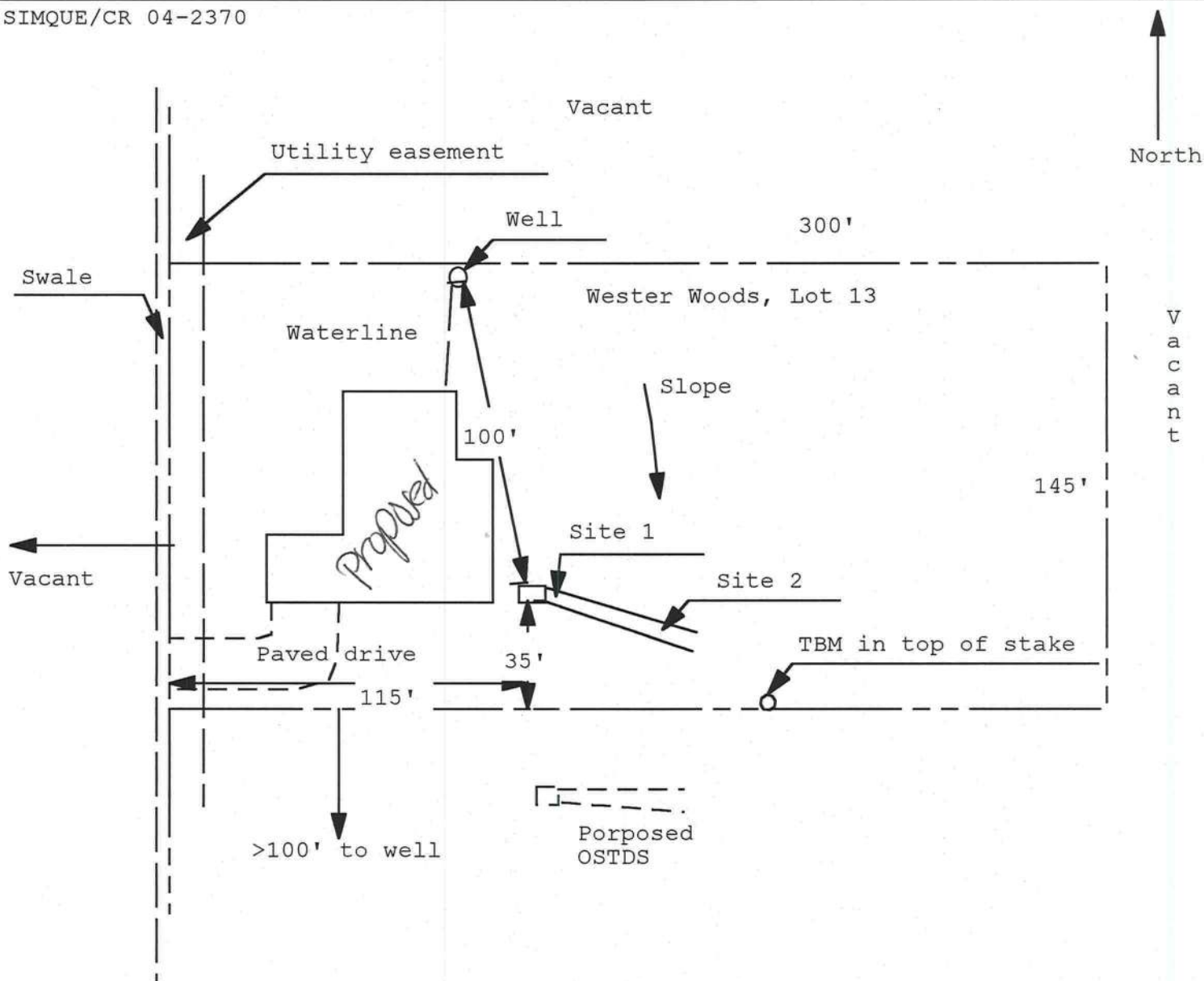
122* Name: _____

123 **Cooperating Brokers, if any** **Listing Broker**

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-1039N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

SIMQUE/CR 04-2370



Site Plan Submitted By Paul L. Lyle Date 10/15/04
Plan Approved Not Approved Date 10/15/04
By Paul L. Lyle Sallie Maddy CPHU
Notes: ESI - COLUMBIA

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949
PHONE: (386) 752-8787 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE ISSUED: October 28, 2004

ENHANCED 9-1-1 ADDRESS:

285 SW NIGHTSHADE DR (LAKE CITY, FL 32024)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER MAP SHEET NUMBER: 99B

PROPERTY APPRAISER PARCEL NUMBER: 30-4S-17-08898-113

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 13 WESTER WOODS S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing Department

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

Residential System Sizing Calculation

Summary

Spec House
Lake City, FL 32024-

Project Title:
Aaron Simque Homes-Sycamore Model

Class 3 Rating
Registration No. 0
Climate: North

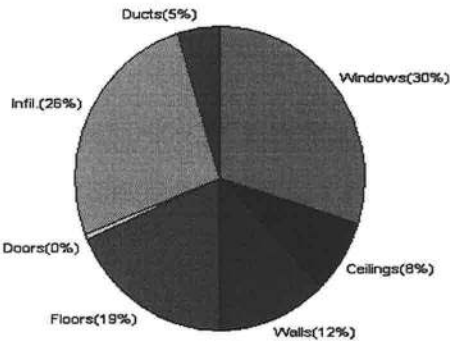
10/19/2004

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	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	42231 Btuh	Total cooling load calculation	50648 Btuh
Submitted heating capacity	50000 Btuh	Submitted cooling capacity	50000 Btuh
Submitted as % of calculated	118.4 %	Submitted as % of calculated	98.7 %

WINTER CALCULATIONS

Winter Heating Load (for 2396 sqft)

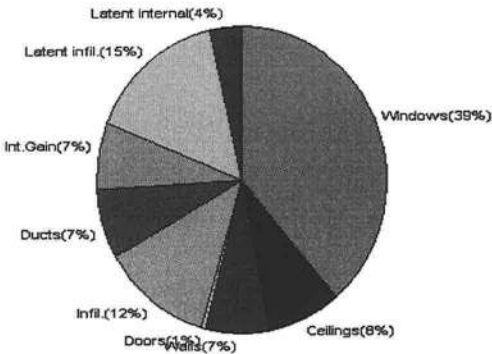
Load component		Load	
Window total	451 sqft	12773	Btuh
Wall total	1728 sqft	5123	Btuh
Door total	20 sqft	188	Btuh
Ceiling total	2549 sqft	3314	Btuh
Floor total	248 ft	7837	Btuh
Infiltration	256 cfm	10986	Btuh
Subtotal		40220	Btuh
Duct loss		2011	Btuh
TOTAL HEAT LOSS		42231	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2396 sqft)

Load component		Load	
Window total	451 sqft	19778	Btuh
Wall total	1728 sqft	3727	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	2549 sqft	4027	Btuh
Floor total		0	Btuh
Infiltration	224 cfm	5916	Btuh
Internal gain		3600	Btuh
Subtotal(sensible)		37307	Btuh
Duct gain		3731	Btuh
Total sensible gain		41037	Btuh
Latent gain(infiltration)		7771	Btuh
Latent gain(internal)		1840	Btuh
Total latent gain		9611	Btuh
TOTAL HEAT GAIN		50648	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House
Lake City, FL 32024-

Project Title:
Aaron Simque Homes-Sycamore Model

Class 3 Rating
Registration No. 0
Climate: North

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

10/19/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
2	2, Clear, Metal, DEF	W	42.0	28.3	1189 Btuh
3	2, Clear, Metal, DEF	W	5.3	28.3	151 Btuh
4	2, Clear, Metal, DEF	N	42.0	28.3	1189 Btuh
5	2, Clear, Metal, DEF	NW	21.0	28.3	594 Btuh
6	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
7	2, Clear, Metal, DEF	W	42.0	28.3	1189 Btuh
8	2, Clear, Metal, DEF	NW	21.0	28.3	594 Btuh
9	2, Clear, Metal, DEF	SW	20.0	28.3	566 Btuh
10	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
11	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
12	2, Clear, Metal, DEF	N	6.0	28.3	170 Btuh
13	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
14	2, Clear, Metal, DEF	E	8.0	28.3	226 Btuh
15	2, Clear, Metal, DEF	SE	6.0	28.3	170 Btuh
16	2, Clear, Metal, DEF	E	40.0	28.3	1132 Btuh
17	2, Clear, Metal, DEF	E	28.0	28.3	792 Btuh
18	2, Clear, Metal, DEF	S	45.0	28.3	1274 Btuh
19	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
Window Total			451		12773 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1572	3.1	4873 Btuh
2	Frame - Adjacent	13.0	156	1.6	250 Btuh
Wall Total			1728		5123 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjac		20	9.4	188 Btuh
Door Total			20		188Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2549	1.3	3314 Btuh
Ceiling Total			2549		3314Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	248.0 ft(p)	31.6	7837 Btuh
Floor Total			248		7837 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	19168(sqft)	256	10986 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				256	10986 Btuh

Totals for Heating	Subtotal	40220 Btuh
	Duct Loss(using duct multiplier of 0.05) EnergyGauge® FLR1PB v3.22	2011 Btuh
	Total Btuh Loss	42231 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Class 3 Rating

Lake City, FL 32024-

Aaron Simque Homes-Sycamore Model

Registration No. 0

Climate: North

10/19/2004

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

Spec House
Lake City, FL 32024-

Project Title:
Aaron Simque Homes-Sycamore Model

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 10/19/2004

Window	Type	Len	Hgt	Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt			Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	W	1.5	6	20.0	0.0	20.0	25	74	1480 Btuh
2	2, Clear, DEF, N, N	W	1.5	8	42.0	0.0	42.0	25	74	3108 Btuh
3	2, Clear, DEF, N, N	W	1.5	3	5.3	1.3	4.1	25	74	332 Btuh
4	2, Clear, DEF, N, N	N	1.5	8	42.0	0.0	42.0	25	25	1050 Btuh
5	2, Clear, DEF, N, N	NW	1.5	8	21.0	0.0	21.0	25	53	1113 Btuh
6	2, Clear, DEF, N, N	N	15.5	9.66	40.0	0.0	40.0	25	25	1000 Btuh
7	2, Clear, DEF, N, N	W	11.5	8	42.0	42.0	0.0	25	74	1050 Btuh
8	2, Clear, DEF, N, N	NW	15.5	8	21.0	0.0	21.0	25	53	1113 Btuh
9	2, Clear, DEF, N, N	SW	13.5	9.66	20.0	20.0	0.0	25	65	500 Btuh
10	2, Clear, DEF, N, N	S	1.5	7	15.0	15.0	0.0	25	39	375 Btuh
11	2, Clear, DEF, N, N	W	1.5	7	30.0	0.0	30.0	25	74	2220 Btuh
12	2, Clear, DEF, N, N	N	1.5	4	6.0	0.0	6.0	25	25	150 Btuh
13	2, Clear, DEF, N, N	N	1.5	5	16.0	0.0	16.0	25	25	400 Btuh
14	2, Clear, DEF, N, N	E	1.5	3	8.0	3.0	5.0	25	74	443 Btuh
15	2, Clear, DEF, N, N	SE	1.5	4	6.0	2.4	3.6	25	65	295 Btuh
16	2, Clear, DEF, N, N	E	8.33	9.66	40.0	22.6	17.4	25	74	1852 Btuh
17	2, Clear, DEF, N, N	E	1.5	8	28.0	0.0	28.0	25	74	2072 Btuh
18	2, Clear, DEF, N, N	S	1.5	6	45.0	45.0	0.0	25	39	1125 Btuh
19	2, Clear, DEF, N, N	S	1.5	2	4.0	4.0	0.0	25	39	100 Btuh
	Window Total				451					19778 Btuh
Walls	Type	R-Value			Area			HTM		Load
1	Frame - Exterior	13.0			1572.0			2.2		3490 Btuh
2	Frame - Adjacent	13.0			156.0			1.5		237 Btuh
	Wall Total				1728.0					3727 Btuh
Doors	Type				Area			HTM		Load
1	Insulated - Adjac				20.0			12.9		259 Btuh
	Door Total				20.0					259 Btuh
Ceilings	Type/Color	R-Value			Area			HTM		Load
1	Under Attic/Dark	30.0			2549.0			1.6		4027 Btuh
	Ceiling Total				2549.0					4027 Btuh
Floors	Type	R-Value			Size			HTM		Load
1	Slab-On-Grade Edge Insulation	0.0			248.0 ft(p)			0.0		0 Btuh
	Floor Total				248.0					0 Btuh
Infiltration	Type	ACH			Volume			CFM=		Load
	Natural	0.70			19168			224.1		5916 Btuh
	Mechanical							0		0 Btuh
	Infiltration Total							224		5916 Btuh
Internal gain	Occupants			Btuh/occupant			Appliance		Load	
	8			X 300 +			1200		3600 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL 32024-

Project Title:
Aaron Simque Homes-Sycamore Model

Class 3 Rating
Registration No. 0
Climate: North

10/19/2004

Totals for Cooling	Subtotal	37307 Btuh
	Duct gain(using duct multiplier of 0.10)	3731 Btuh
	Total sensible gain	41037 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7771 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	50648 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)

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A


Project Name:	Aaron Simque Homes-Sycamore Model	Builder:	Aaron Simque Homes
Address:	Lot: 13, Sub: Wester Woods, Plat:	Permitting Office:	
City, State:	Lake City, FL 32024-	Permit Number:	22511
Owner:	Spec House	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.50
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2396 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
b. Clear - double pane	451.3 ft²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 248.0(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, 1572.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 156.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
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, 2549.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 55.0 ft		
b. N/A			

Glass/Floor Area: 0.19

Total as-built points: 34991
Total base points: 35341

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	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.	
PREPARED BY: Will Myers	BUILDING OFFICIAL:	
DATE: 10.19.04	DATE:	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.		
OWNER/AGENT:		
DATE:		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

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	2396.0	20.04	8642.9	Double, Clear	W	1.5	6.0	20.0	36.99	0.91	675.6
				Double, Clear	W	1.5	8.0	42.0	36.99	0.96	1488.3
				Double, Clear	W	1.5	3.0	5.3	36.99	0.73	143.9
				Double, Clear	N	1.5	8.0	42.0	19.22	0.97	780.8
				Double, Clear	NW	1.5	8.0	21.0	25.46	0.96	515.1
				Double, Clear	N	15.5	9.7	40.0	19.22	0.65	495.9
				Double, Clear	W	11.5	8.0	42.0	36.99	0.46	708.4
				Double, Clear	NW	15.5	8.0	21.0	25.46	0.55	292.6
				Double, Clear	SW	13.5	9.7	20.0	38.46	0.43	334.0
				Double, Clear	S	1.5	7.0	15.0	34.50	0.89	462.9
				Double, Clear	W	1.5	7.0	30.0	36.99	0.94	1041.8
				Double, Clear	N	1.5	4.0	6.0	19.22	0.88	101.6
				Double, Clear	N	1.5	5.0	16.0	19.22	0.92	281.5
				Double, Clear	E	1.5	3.0	8.0	40.22	0.73	233.4
				Double, Clear	SE	1.5	4.0	6.0	40.86	0.76	187.5
				Double, Clear	E	8.3	9.7	40.0	40.22	0.55	888.6
				Double, Clear	E	1.5	8.0	28.0	40.22	0.96	1078.4
				Double, Clear	S	1.5	6.0	45.0	34.50	0.86	1329.2
				Double, Clear	S	1.5	2.0	4.0	34.50	0.57	78.0
				As-Built Total:				451.3			
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM	=	Points	
Adjacent	156.0	0.70	109.2	Frame, Wood, Exterior	13.0		1572.0	1.50	2358.0		
Exterior	1572.0	1.70	2672.4	Frame, Wood, Adjacent	13.0		156.0	0.60	93.6		
Base Total: 1728.0 2781.6				As-Built Total:		1728.0		2451.6			
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM	=	Points	
Adjacent	20.0	2.40	48.0	Adjacent Insulated			20.0	1.60	32.0		
Exterior	0.0	0.00	0.0								
Base Total: 20.0 48.0				As-Built Total:		20.0		32.0			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM	=	Points	
Under Attic	2396.0	1.73	4145.1	Under Attic	30.0		2549.0	1.73 X 1.00	4409.8		
Base Total: 2396.0 4145.1				As-Built Total:		2549.0		4409.8			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT									
FLOOR TYPES	Area	X	BSPM = Points	Type	R-Value	Area	X	SPM = Points					
Slab	248.0(p)	-37.0	-9176.0	Slab-On-Grade Edge Insulation	0.0	248.0(p)	-41.20	-10217.6					
Raised	0.0	0.00	0.0										
Base Total:			-9176.0	As-Built Total:			248.0	-10217.6					
INFILTRATION													
Area	X	BSPM	= Points	Area	X	SPM	= Points						
2396.0	10.21	24463.2		2396.0	10.21	24463.2							
Summer Base Points:			30904.7	Summer As-Built Points:			32256.6						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
				(DM x DSM x AHU)									
30904.7	0.4266	13183.9		32256.6	1.000	(1.090 x 1.147 x 1.00)	0.297	1.000	1.000	11968.7			
				32256.6	1.00	1.250	0.297	1.000	11968.7				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

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	2396.0	12.74	5494.5	Double, Clear	W	1.5	6.0	20.0	10.77	1.02	220.4
				Double, Clear	W	1.5	8.0	42.0	10.77	1.01	457.2
				Double, Clear	W	1.5	3.0	5.3	10.77	1.08	62.2
				Double, Clear	N	1.5	8.0	42.0	14.30	1.00	601.3
				Double, Clear	NW	1.5	8.0	21.0	14.03	1.00	294.8
				Double, Clear	N	15.5	9.7	40.0	14.30	1.02	585.5
				Double, Clear	W	11.5	8.0	42.0	10.77	1.20	543.0
				Double, Clear	NW	15.5	8.0	21.0	14.03	1.03	304.3
				Double, Clear	SW	13.5	9.7	20.0	7.17	1.78	254.8
				Double, Clear	S	1.5	7.0	15.0	4.03	1.07	64.9
				Double, Clear	W	1.5	7.0	30.0	10.77	1.02	328.3
				Double, Clear	N	1.5	4.0	6.0	14.30	1.01	86.3
				Double, Clear	N	1.5	5.0	16.0	14.30	1.00	229.7
				Double, Clear	E	1.5	3.0	8.0	9.09	1.12	81.4
				Double, Clear	SE	1.5	4.0	6.0	5.33	1.22	39.0
				Double, Clear	E	8.3	9.7	40.0	9.09	1.25	453.8
				Double, Clear	E	1.5	8.0	28.0	9.09	1.02	259.6
				Double, Clear	S	1.5	6.0	45.0	4.03	1.12	202.7
				Double, Clear	S	1.5	2.0	4.0	4.03	2.27	36.5
				As-Built Total:				451.3 5105.7			
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	156.0	3.60	561.6	Frame, Wood, Exterior	13.0		1572.0	3.40	5344.8		
Exterior	1572.0	3.70	5816.4	Frame, Wood, Adjacent	13.0		156.0	3.30	514.8		
Base Total:				As-Built Total:		1728.0 5859.6					
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	Adjacent Insulated			20.0	8.00	160.0		
Exterior	0.0	0.00	0.0								
Base Total:				As-Built Total:		20.0 160.0					
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2396.0	2.05	4911.8	Under Attic	30.0		2549.0	2.05 X 1.00		5225.4	
Base Total:				As-Built Total:		2549.0 5225.4					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X	WPM	= Points	
Slab	248.0(p)	8.9	2207.2	Slab-On-Grade Edge Insulation	0.0	248.0(p)	18.80	4662.4	
Raised	0.0	0.00	0.0						
Base Total:			2207.2	As-Built Total:		248.0		4662.4	
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
	2396.0	-0.59	-1413.6			2396.0	-0.59	-1413.6	
Winter Base Points:			17807.9	Winter As-Built Points:					19599.5
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)					
17807.9		0.6274	11172.7	19599.5	1.000	(1.069 x 1.169 x 1.00)	0.501	1.000	12282.4
				19599.5	1.00	1.250	0.501	1.000	12282.4

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

ADDRESS: Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier = Total
4		2746.00	10984.0	50.0	0.90	4	1.00	2684.98	1.00 10739.9
				As-Built Total:					10739.9

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
13184		11173	10984 35341	11969		12282	10740 34991

PASS



Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

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* = 83.0

The higher the score, the more efficient the home.

Spec House, Lot: 13, Sub: Wester Woods, Plat: , Lake City, FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.50
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2396 ft²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft²	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
b. Clear - double pane	451.3 ft²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 248.0(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, 1572.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 156.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
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, 2549.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 55.0 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™ 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: FLR1PB v3.22)

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000452**

DATE 11/18/2004 PARCEL ID # 30-4S-17-08898-113
APPLICANT BRANDON STEELE PHONE 755-0841
ADDRESS P.O. BOX 2183 LAKE CITY FL 32056
OWNER AARON SIMQUE PHONE 755-0841
ADDRESS 285 SW NIGHSHADE DRIVE LAKE CITY FL 32055
CONTRACTOR AARON SIMQUE PHONE 755-0841
LOCATION OF PROPERTY 47S, TL SW WESTER ROAD, TL ON SW NIGHTSHADE, 8TH ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WESTERWOOD 13

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

