Told owner per Joe 5-3-06 spoke to Nathan on 5-22-06 LH

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0604.31 Date Received 4-13-06 By G Permit # 24548

Application Approved by - Zoning Official BLK Date 18.04.06 Plans Examiner OK JTH Date 5-3-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments NOC, ~~[illegible]~~ Section 2.3.1 CK# 2751

Applicants Name PETERSEN CONSTRUCTION, NATHAN Phone 386-623-3307

Address 197 SW WATERFORD CT STE 207 LAKE CITY, FL 32025

Owners Name SCOTT CURRY Phone 386-365-4102

911 Address 8626 SW ST. Rd 47, L.C. FL 32024

Contractors Name PETERSEN CONSTRUCTION, NATHAN Phone

Address SAME AS ABOVE

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address NICHOLAS PAUL GEISLER 1758 NW BROWN RD. LAKE CITY, FL 320[illegible]

Mortgage Lenders Name & Address COLUMBIA COUNTY BANK P.O. BOX 1609 LAKE CITY, FL 32056

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progressive Energy

Property ID Number 10-5S-16-03529-401 Estimated Cost of Construction 105,000

Subdivision Name COLUMBIA ESTATES Lot 1 Block A Unit ____ Phase ____

Driving Directions HWY 47 SOUTH TO WILLIS. TURN RIGHT. FIRST LOT ON LEFT

Type of Construction HOME - FRAMED Number of Existing Dwellings on Property 0

Total Acreage .966 Lot Size .966 Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 35' ~~Side~~ FRONT 106' Side 106' Rear 73'

Total Building Height 19' Number of Stories 1 Heated Floor Area 1448 Roof Pitch 7/12

Porch 515 GARAGE 423 TOTAL 2083

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 COMMENCMENT 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.

Owner Builder or Agent (Including Contractor)

[signature]
Contractor Signature

Contractors License Number CRC1328397

Competency Card Number ____

NOTARY STAMP/SEAL

ANDREW W TYLER
MY COMMISSION # DD467686
EXPIRES: Aug. 30, 2009
(407) 398-0153 Florida Notary Service.com
NOTARY PUBLIC STATE OF FLORIDA

[signature]
Notary Signature

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 13 day of April 20 06.

Personally known ✓ or Produced Identification ____

ATTN: [redacted] LAURIE

0607-31

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 4/4/2006 **DATE ISSUED:** 4/19/2006

ENHANCED 9-1-1 ADDRESS:

8626 SW STATE ROAD 47

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

10-5S-16-03529-101

Remarks:

LOT 1 BLOCK A COLUMBIA ESTATES S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

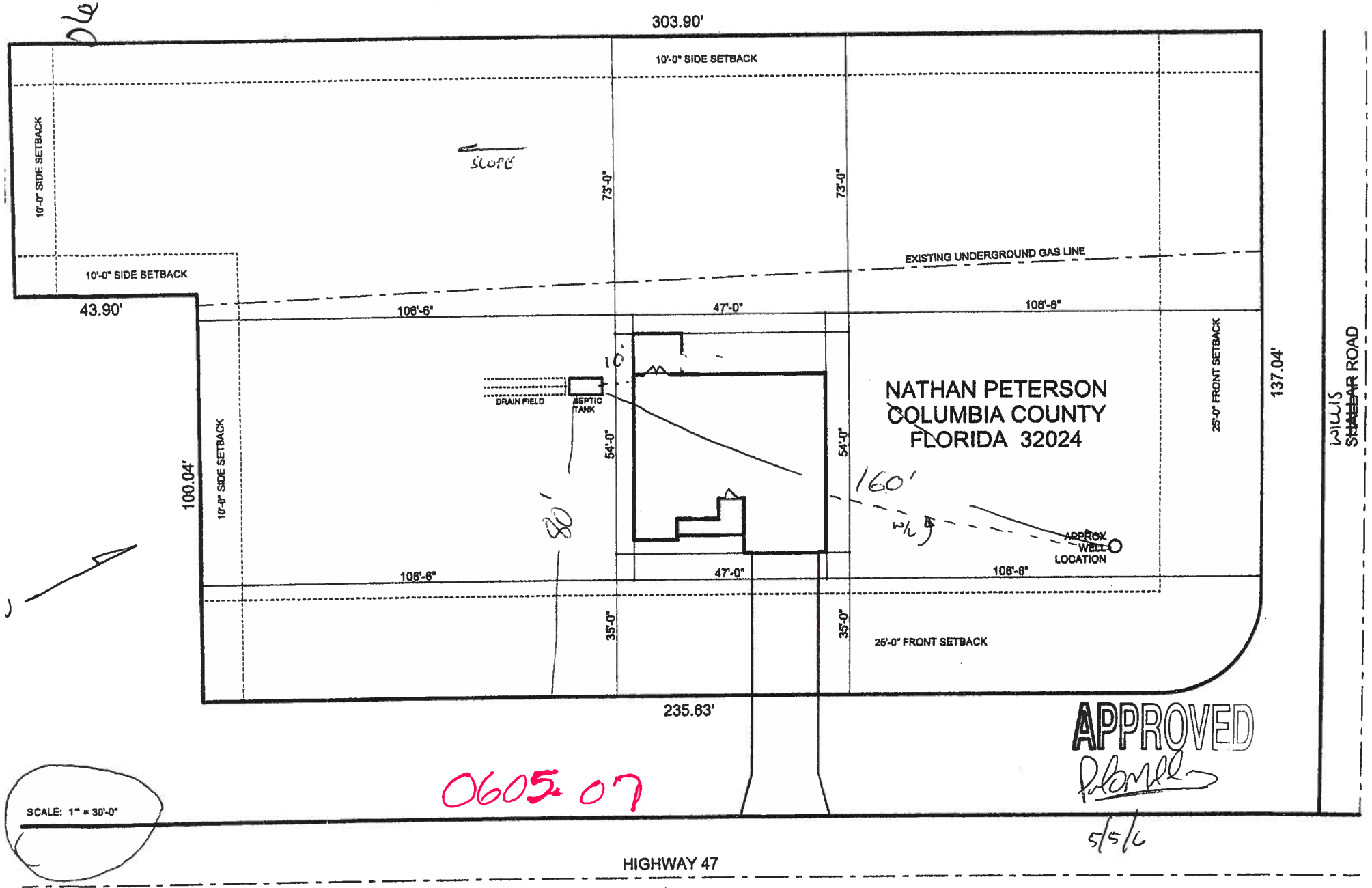
NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

171

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

06-0379

2548



4/13/06

Columbia CHD

0605-07

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0379N

PART II - SITE PLAN

Scott Curry

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

See attached

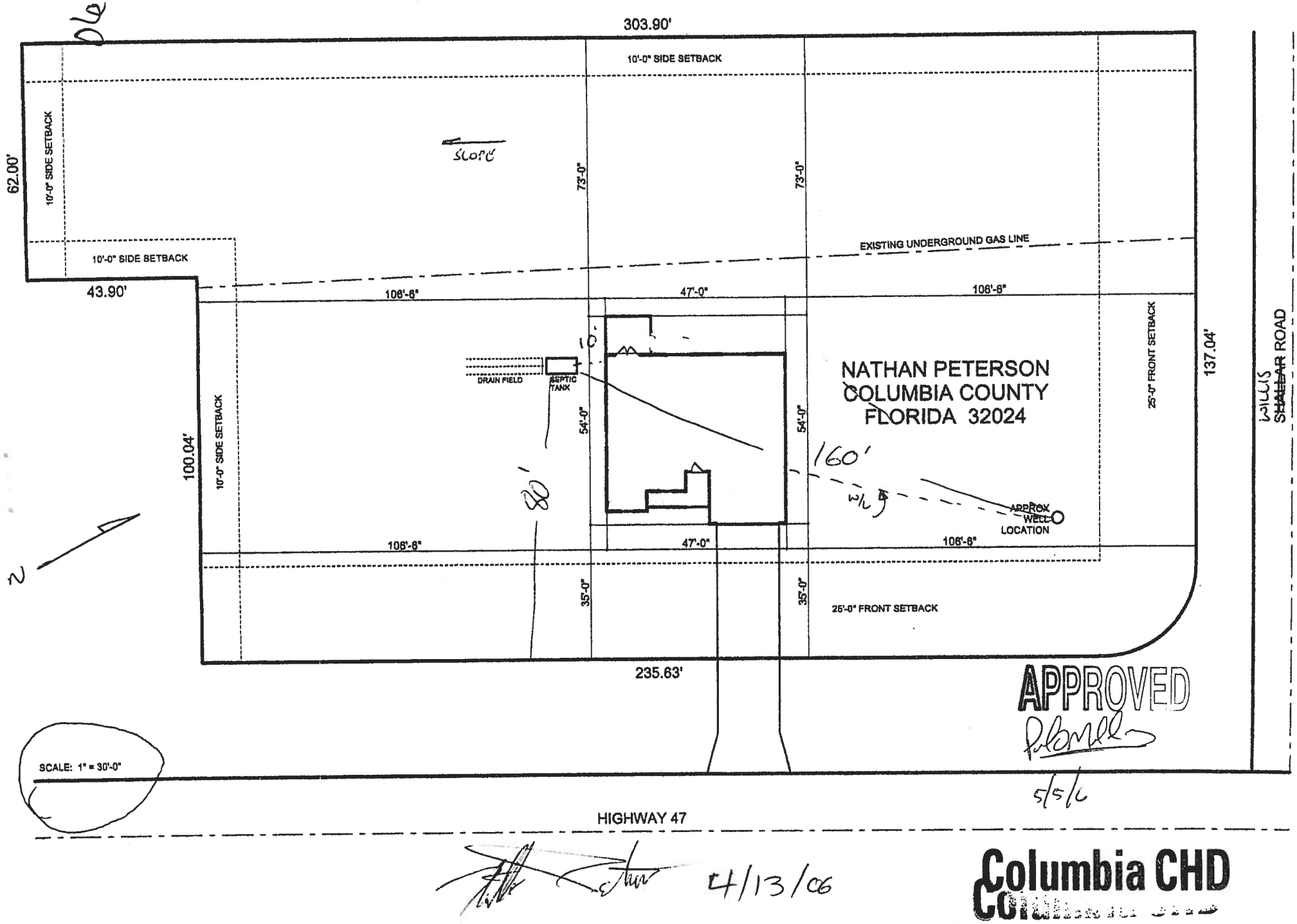
Notes: _____

Site Plan submitted by: _____ AGENT
Signature Title

Plan Approved ✓ Not Approved _____ Date 5/10/06

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT


303.90'
10'-0" SIDE SETBACK
10'-0" SIDE SETBACK
62.00'
10'-0" SIDE SETBACK
43.90'
SLOPE
73'-0"
73'-0"
EXISTING UNDERGROUND GAS LINE
106'-6"
47'-0"
106'-6"
DRAIN FIELD
SEPTIC TANK
54'-0"
54'-0"
NATHAN PETERSON
COLUMBIA COUNTY
FLORIDA 32024
25'-0" FRONT SETBACK
137.04'
100.04'
10'-0" SIDE SETBACK
160'
APPROX WELL LOCATION
106'-6"
47'-0"
106'-6"
35'-0"
35'-0"
25'-0" FRONT SETBACK
235.63'
WILLIS SHAFFAR ROAD
APPROVED
SCALE: 1" = 30'-0"
5/5/06
HIGHWAY 47
4/13/06
Columbia CHD

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Scott Curry**	Builder:	**Nathan Peterson Const.**
Address:	**Highway 47**	Permitting Office:	Columbia
City, State:	**, FL 32025-**	Permit Number:	24548
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: 29.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	1448 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 163.3 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 163.3 ft²	a. Electric Heat Pump	Cap: 29.0 kBtu/hr
8. Floor types			HSPF: 6.80
a. Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	b. N/A	
b. N/A			
c. N/A		c. N/A	
9. Wall types		14. Hot water systems	
a. Frame, Wood, Exterior	R=13.0, 1000.0 ft²	a. Electric Resistance	Cap: 50.0 gallons
b. Frame, Wood, Adjacent	R=13.0, 180.0 ft²		EF: 0.90
c. N/A		b. N/A	
d. N/A			
e. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
a. Under Attic	R=30.0, 1448.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.11	Total as-built points: 22863 Total base points: 22989	PASS

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

PREPARED BY: Will Myers

DATE: 2/14/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1448.0	20.04	5223.2	Double, Clear	W	13.5	8.0	40.0	38.52	0.43	657.8
				Double, Clear	W	1.5	8.0	60.0	38.52	0.96	2214.6
				Double, Clear	W	1.5	8.0	4.0	38.52	0.96	147.6
				Double, Clear	E	9.5	8.0	13.3	42.06	0.47	263.5
				Double, Clear	E	5.5	8.0	15.0	42.06	0.62	391.2
				Double, Clear	E	1.5	8.0	15.0	42.06	0.96	604.2
				Double, Clear	S	1.5	8.0	4.0	35.87	0.92	132.5
				Double, Clear	S	1.5	8.0	12.0	35.87	0.92	397.4
				As-Built Total:				**163.3**			**4808.7**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	180.0	0.70	126.0	Frame, Wood, Exterior			13.0	1000.0	1.50		1500.0
Exterior	1000.0	1.70	1700.0	Frame, Wood, Adjacent			13.0	180.0	0.60		108.0
Base Total:	**1180.0**		**1826.0**	**As-Built Total:**				**1180.0**			**1608.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	18.6	1.60	29.7	Exterior Insulated				20.0	4.10		82.0
Exterior	20.0	4.10	82.0	Adjacent Insulated				18.6	1.60		29.7
Base Total:	**38.6**		**111.7**	**As-Built Total:**				**38.6**			**111.7**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1448.0	1.73	2505.0	Under Attic			30.0	1448.0	1.73 X 1.00		2505.0
Base Total:	**1448.0**		**2505.0**	**As-Built Total:**				**1448.0**			**2505.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	165.0(p)	-37.0	-6105.0	Slab-On-Grade Edge Insulation			0.0	165.0(p	-41.20		-6798.0
Raised	0.0	0.00	0.0								
Base Total:			**-6105.0**	**As-Built Total:**				**165.0**			**-6798.0**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1448.0	10.21	14784.1					1448.0	10.21		14784.1

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18345.0			**Summer As-Built Points:**					**17019.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 29000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			17020	1.00	(1.09 x 1.147 x 1.00)	0.310	1.000	6602.1
18345.0	**0.4266**	**7826.0**	**17019.5**	**1.00**	**1.250**	**0.310**	**1.000**	**6602.1**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1448.0	12.74	3320.6	Double, Clear	W	13.5	8.0	40.0	20.73	1.21	1006.9	
				Double, Clear	W	1.5	8.0	60.0	20.73	1.01	1257.5	
				Double, Clear	W	1.5	8.0	4.0	20.73	1.01	83.8	
				Double, Clear	E	9.5	8.0	13.3	18.79	1.34	334.2	
				Double, Clear	E	5.5	8.0	15.0	18.79	1.19	335.3	
				Double, Clear	E	1.5	8.0	15.0	18.79	1.02	287.5	
				Double, Clear	S	1.5	8.0	4.0	13.30	1.04	55.4	
				Double, Clear	S	1.5	8.0	12.0	13.30	1.04	166.1	
				As-Built Total:				**163.3**			**3526.7**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	180.0	3.60	648.0	Frame, Wood, Exterior			13.0	1000.0	3.40		3400.0	
Exterior	1000.0	3.70	3700.0	Frame, Wood, Adjacent			13.0	180.0	3.30		594.0	
Base Total:	**1180.0**		**4348.0**	**As-Built Total:**				**1180.0**			**3994.0**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	18.6	8.00	148.5	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0	Adjacent Insulated				18.6	8.00		148.5	
Base Total:	**38.6**		**316.5**	**As-Built Total:**				**38.6**			**316.5**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1448.0	2.05	2968.4	Under Attic			30.0	1448.0	2.05 X	1.00	2968.4	
Base Total:	**1448.0**		**2968.4**	**As-Built Total:**				**1448.0**			**2968.4**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	165.0(p)	8.9	1468.5	Slab-On-Grade Edge Insulation			0.0	165.0(p	18.80		3102.0	
Raised	0.0	0.00	0.0									
Base Total:			**1468.5**	**As-Built Total:**				**165.0**			**3102.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1448.0	-0.59	-854.3					1448.0	-0.59		-854.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**11567.6**	**Winter As-Built Points:**					**13053.3**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 29000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			13053.3	1.000	(1.069 x 1.169 x 1.00)	0.501	1.000	8180.1
11567.6	**0.6274**	**7257.5**	**13053.3**	**1.00**	**1.250**	**0.501**	**1.000**	**8180.1**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-**	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	
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00	8080.7	
				As-Built Total:						**8080.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7826	**7258**	**7905**	**22989**	**6602**	**8180**	**8081**	**22863**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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* = 83.2

The higher the score, the more efficient the home.

Spec House, Highway 47, , FL, 32025-

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?	No	__
6.	Conditioned floor area (ft²)	1448 ft²	__
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. Description (Dble Default) Area 163.3 ft²	__
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 163.3 ft²	__
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	__
b.	N/A		__
c.	N/A		__
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 1000.0 ft²	__
b.	Frame, Wood, Adjacent	R=13.0, 180.0 ft²	__
c.	N/A		__
d.	N/A		__
e.	N/A		__
10.	Ceiling types		
a.	Under Attic	R=30.0, 1448.0 ft²	__
b.	N/A		__
c.	N/A		__
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 35.0 ft	__
b.	N/A		__

12.	Cooling systems		
a.	Central Unit	Cap: 29.0 kBtu/hr	__
		SEER: 11.00	__
b.	N/A		__
			__
c.	N/A		__
			__
13.	Heating systems		
a.	Electric Heat Pump	Cap: 29.0 kBtu/hr	__
		HSPF: 6.80	__
b.	N/A		__
			__
c.	N/A		__
			__
14.	Hot water systems		
a.	Electric Resistance	Cap: 50.0 gallons	__
		EF: 0.90	__
b.	N/A		__
			__
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)		__

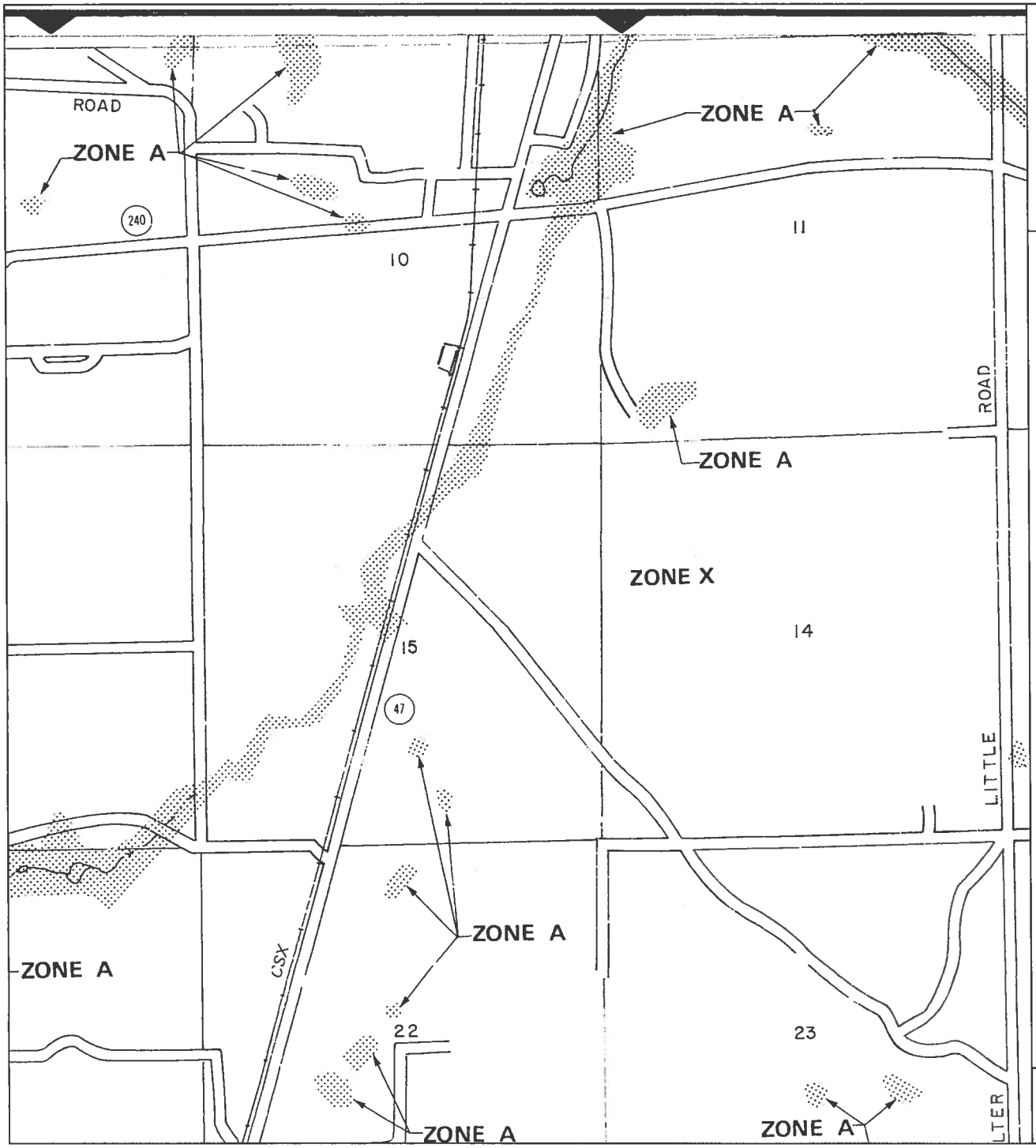
I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant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

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



N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

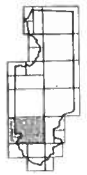
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 225 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0225 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

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

Print Date: 4/14/2006 (printed at scale and type A)

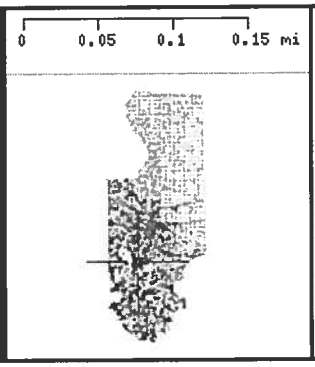
Columbia County Property Appraiser

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

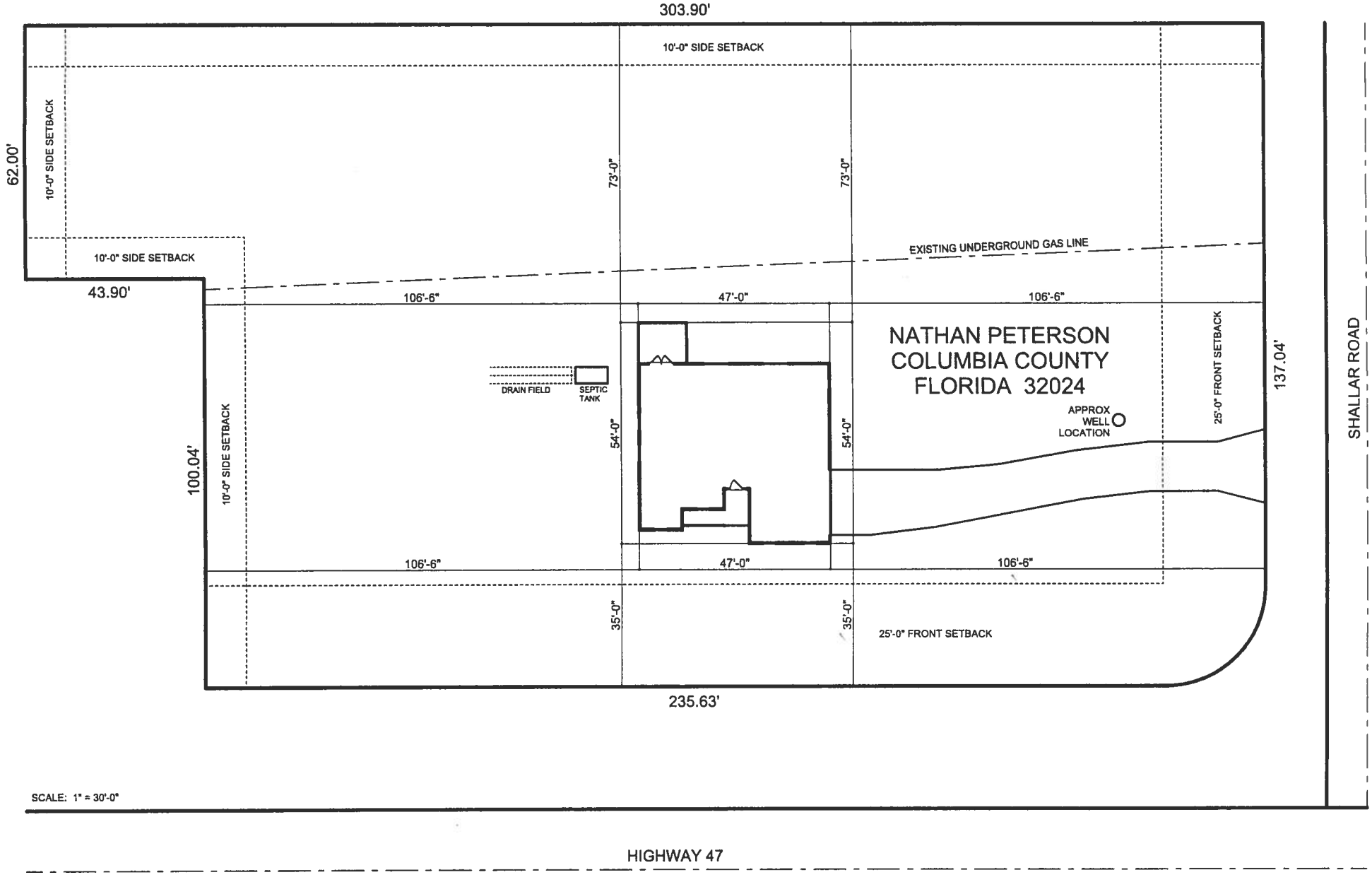
PARCEL: 10-5S-16-03529-101 - VACANT (000000)

LOT 1 BLK A COLUMBIA ESTATES. ORB 783-1466, WD 857-092, 958-2675, 970-1458.WD 1071-

Name:	CURRY SCOTT	LandVal	$8,000.00
Site:	BLK A COLUMBIA EST	BldgVal	$0.00
Mail:	310 SW BELMONT DR LAKE CITY, FL 32024	ApprVal	$8,000.00
		JustVal	$8,000.00
Sales Info	1/20/2006 $45,000.00V / Q 12/12/2002 $15,000.00V / U 9/15/1988 $14,500.00V / U	Assd	$8,000.00
		Exmpt	$0.00
		Taxable	$8,000.00



This information, GIS Map Updated: 4/6/2006, 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, it's use, or it's 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.


303.90'
10'-0" SIDE SETBACK
10'-0" SIDE SETBACK
62.00'
10'-0" SIDE SETBACK
43.90'
73'-0"
73'-0"
EXISTING UNDERGROUND GAS LINE
106'-6"
47'-0"
106'-6"
NATHAN PETERSON
COLUMBIA COUNTY
FLORIDA 32024
DRAIN FIELD
SEPTIC TANK
APPROX WELL LOCATION
25'-0" FRONT SETBACK
137.04'
SHALLAR ROAD
54'-0"
54'-0"
100.04'
10'-0" SIDE SETBACK
106'-6"
47'-0"
106'-6"
35'-0"
35'-0"
25'-0" FRONT SETBACK
235.63'
SCALE: 1" = 30'-0"
HIGHWAY 47

Inst:200600171? Date:01/24/2006 Time:15:27
Doc Stamp-Deed : 315.00
DC,P.DeWitt Cason,Columbia County B:1071 P:

Warranty Deed

Made this January 20, 2006 A.D.

By Shirley Hitson and Tom Eagle, Post Office Box 1419, Lake City, Florida 32056, hereinafter called the grantor, to

Scott Curry, whose post office address is: 310 SW Belmont Drive, Lake City, Florida 32024, 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:

Lots 1 and 2 Block A Columbia Estates, according to the Plat thereof as recorded in Plat Book 5 Page 112 and 112A of the Public Records of Columbia County, Florida

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 ID Number: 03529-101 & 03529-102

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, 2005.

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:

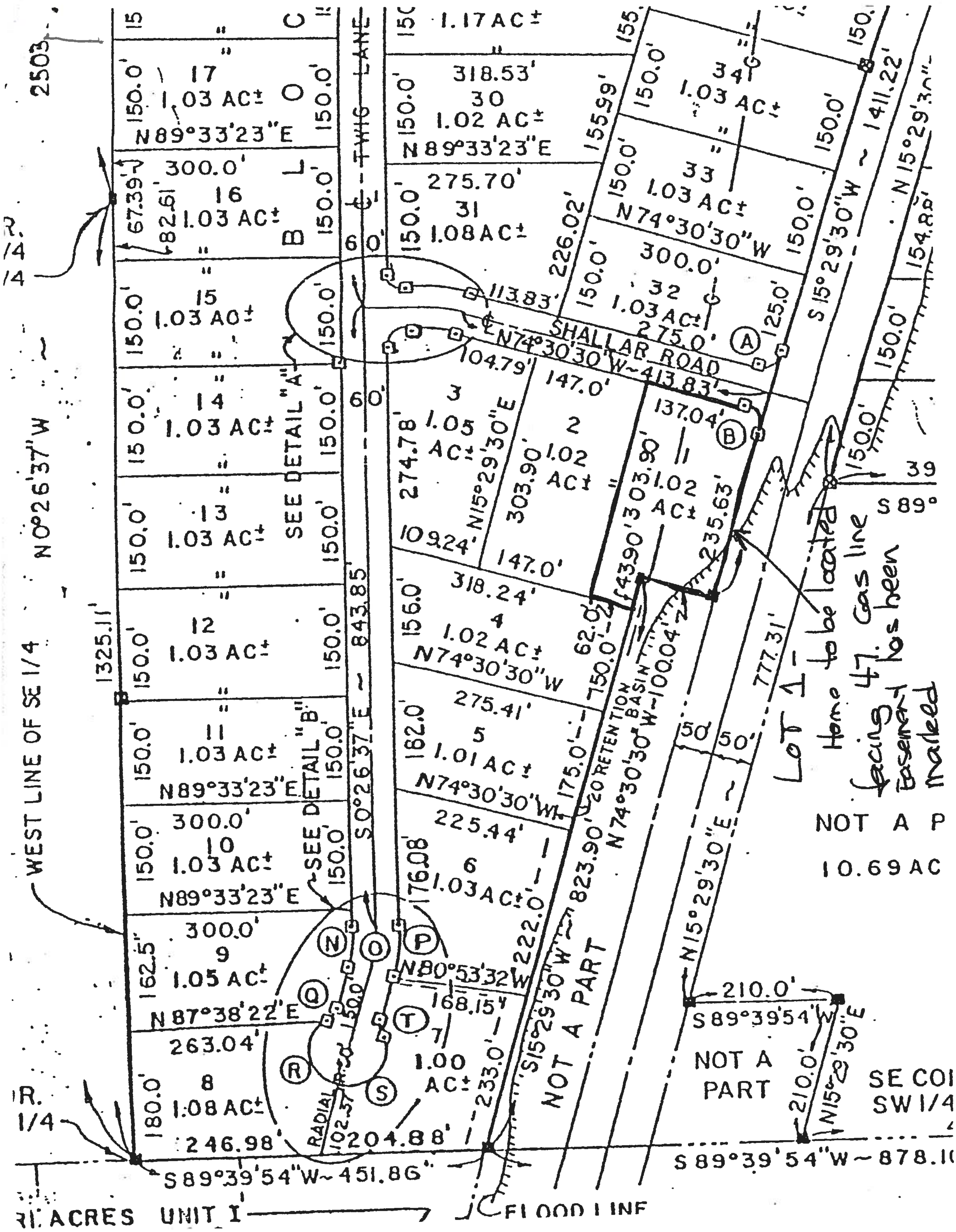
Elaine R. Davis
Witness Printed Name Elaine R. Davis

Kimberly A Albritton
Witness Printed Name Kimberly A Albritton

Shirley Hitson (Seal)
Address: Post Office Box 1419, Lake City, Florida 32056

Tom Eagle (Seal)
Address:

State of Florida
County of Columbia
The foregoing instrument was acknowledged before me this 20th day of January, 2006, by Shirley Hitson and Tom Eagle, who is/are personally known to me or who has produced Known



SHALLAR ROAD
TWIG LANE
BLOCK
SEE DETAIL "A"
SEE DETAIL "B"
WEST LINE OF SE 1/4
N0°26'37"W
1325.11'
S0°26'37"E ~ 843.85'
N74°30'30"W ~ 413.83'
S15°29'30"W ~ 1411.22'
N15°29'30"E
N74°30'30"W ~ 100.04'
N15°29'30"E ~ 823.90'
S15°29'30"W ~ 222.0'
S89°39'54"W ~ 451.86'
S89°39'54"W ~ 878.1
S89°39'54"W
210.0'
17
1.03 AC±
16
1.03 AC±
15
1.03 AC±
14
1.03 AC±
13
1.03 AC±
12
1.03 AC±
11
1.03 AC±
10
1.03 AC±
9
1.05 AC±
8
1.08 AC±
7
1.00 AC±
6
1.03 AC±
5
1.01 AC±
4
1.02 AC±
3
1.05 AC±
2
1.02 AC±
1
1.02 AC±
30
1.02 AC±
31
1.08 AC±
32
1.03 AC±
33
1.03 AC±
34
1.03 AC±
1.17 AC±
N89°33'23"E
N74°30'30"W
N87°38'22"E
N80°53'32"W
N15°29'30"E
300.0'
318.53'
275.70'
113.83'
275.0'
104.79'
147.0'
137.04'
303.90'
235.63'
274.78'
109.24'
318.24'
275.41'
225.44'
168.15'
263.04'
246.98'
204.88'
RADIAL 102.37'
233.0'
175.0'
150.0'
155.99'
226.02'
777.31'
60'
50' 50'
20' RETENTION BASIN
NOT A PART
NOT A PART
NOT A PART
10.69 AC
SE COR. SW 1/4
FLOOD LINE
ACRES UNIT I
Lot 1 - Home to be located facing 47. Gas line easement has been marked

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
~~XXXNORTH FIRST STREETX~~
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

Columbia County Building Department
Culvert Permit

24548

Culvert Permit No.
000001235

DATE 10/12/2006 PARCEL ID # 10-5S-16-03529-101

APPLICANT NATHAN PETERSEN PHONE 386.623.3307

ADDRESS 197 SW WATERFORD COURT, STE 207 LAEK CITY FL 32025

OWNER SCOTT CURRY PHONE 386.365.4102

ADDRESS 8626 SW ST ROAD 47 LAKE CITY FL 32024

CONTRACTOR NATHAN PETERESEN PHONE 386.623.3307

LOCATION OF PROPERTY 47-S TO WILLIS,TR ND IT'S THE 1ST. LOT ON THE L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COLUMBIA ESTATES 1 A

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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

Tax Parcel ID Number 10-5S-16-03529-101 PERMIT NUMBER 0000 24548

1. Description of property: (legal description of the property and street address or 911 address)
COLUMBIA ESTATES LOT 1, BLOCK A

8626 SW STATE ROAD 47

2. General description of improvement: NEW HOME

3. Owner Name & Address SCOTT CURRY 310 SW BELLMONT DR LAKE CITY, FL 32024
P.O BOX 658 LAKE CITY FL 32056 Interest in Property

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name PETERSEN CONSTRUCTION Phone Number 623-3307
Address 197 SW WATERFORD CT STE 207 LAKE CITY FL 32025

6. Surety Holders Name Phone Number
Address
Amount of Bond

Inst:2006012599 Date:05/24/2006 Time:12:27
D.C.,P.DeWitt Cason,Columbia County B:1084 P:1853

7. Lender Name
Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name Phone Number
Address

9. In addition to himself/herself the owner designates of
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –
(a) 7. Phone Number of the designee

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Sworn to (or affirmed) and subscribed before day of May 23, 2006

NOTARY STAMP/SEAL

BEVERLY J. SWARTZ
MY COMMISSION # DD 268292
EXPIRES: November 17, 2007
Bonded Thru Budget Notary Services

Signature of Notary

Referenced Standard and Year (of Standard)	**Standard** Accepted Engineering Practice TAS 201 and TAS 203 TAS 202
Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	12/31/2005
Date Validated	12/31/2005
Date Pending FBC Approval	01/10/2006
Date Approved	02/07/2006

Summary of Products

FL #	Model, Number or Name	Description
4242.1	a. Masonite Metal-Edge Steel Door	Up to a 3'0 x 6'8 In-swing Metal-Edge Steel Door in Adjustable Steel Frame
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** This product meets the requirements for the State of Florida including the "HVHZ". When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require a protective covering. Maximum Design Pressure Rating – Positive 66.0 PSF and Negative 66.0 PSF (see 4242.1 INST for any additional size and use limitations).		**Certification Agency Ce** **Installation Instruction** PTID 4242 R1 I 4242.1 PTID 4242 R1 I 4242.2 PTID 4242 R1 I 4242.3 Verified By:
4242.2	b. Masonite Metal-Edge Steel Door	Up to a 3'0 x 8'0 In-swing Metal-Edge Steel Door in Adjustable Steel Frame
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** This product meets the requirements for the State of Florida including the "HVHZ". When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require a protective covering. Maximum		**Certification Agency Ce** **Installation Instruction** Verified By:

Design Pressure Rating – Positive 55.0 PSF and Negative 55.0 PSF (see 4242.2 INST for any additional size and use limitations).		
4242.3	C. Masonite Metal-Edge Steel Door	Up to a 6'0 x 6'8 In-swing Metal-Edge Steel Door in Adjustable Steel Frame
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** This product meets the requirements for the State of Florida including the "HVHZ". When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require a protective covering. Maximum Design Pressure Rating – Positive 50.5 PSF and Negative 50.5 PSF (see 4242.3 INST for any additional size and use limitations).		**Certification Agency Ce** **Installation Instruction** Verified By:

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

Certification Agency	Miami-Dade BCCO - CER
Referenced Standard and Year (of Standard)	**Standard** ASTM D3462 TAS 107 TAS100
Equivalence of Product Standards Certified By	
Sections from the Code	1523.6.5.1 1523.6.5.1 1523.6.5.1
Product Approval Method	Method 1 Option A
Date Submitted	06/01/2005
Date Validated	06/13/2005
Date Pending FBC Approval	06/14/2005
Date Approved	06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
728.1	Capstone	Laminated Asphalt Shingl
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Mean roof height should not exceed 33 ft.		**Certification Agency Ce** **Installation Instruction** PTID 728 R1 I Capston PTID 728 R1 I Capston PTID 728 R1 I Prestiqu NOA.pdf PTID 728 R1 I Prestiqu NOA.pdf PTID 728 R1 I Seal-A-I NOA.pdf PTID 728 R1 I Starter NOA.pdf PTID 728 R1 I Tuscalo Verified By:
728.2	Prestique I	Laminated Asphalt Shingl
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:**		**Certification Agency Ce** **Installation Instruction** Verified By:

Design Pressure: +/- **Other:** Mean roof height should not exceed 33 ft.		
728.3	Prestique Plus / Gallery Colle	Laminated Asphalt Shingl
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Mean roof height should not exceed 33 ft.		**Certification Agency Ce** **Installation Instruction** Verified By:
728.4	Seal-A-Ridge "SAR"	Accessory - Ridge Shingle
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Mean roof height should not exceed 33 ft.		**Certification Agency Ce** **Installation Instruction** Verified By:
728.5	Starter Strip	Accessory - Starter Cours
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Mean roof height should not exceed 33 ft.		**Certification Agency Ce** **Installation Instruction** Verified By:

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** LC-50 DP-50 Per manufacturers installation instructions.		**Certification Agency Ce** **Installation Instruction** Verified By:
5438.15	455 Fin Frame	54x90 Insulated DSB Ann
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** LC-35 DP-50 Per manufacturers installation instructions.		**Certification Agency Ce** **Installation Instruction** Verified By:
5438.16	650 Fin Frame	53x90 Insulated SSB Ann
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** LC-30 DP-47.2 Per manufacturers installation instructions.		**Certification Agency Ce** **Installation Instruction** Verified By:
5438.17	650 Fin Oriel	48x84 Insulated 3/16" An
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** R-35 DP-47.2 Per manufacturers installation instructions.		**Certification Agency Ce** **Installation Instruction** Verified By:
5438.18	650 Flange Frame	48x84 Insulated SSB Ann
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** LC-35 DP-47.2 Per manufacturers installation instructions.		**Certification Agency Ce** **Installation Instruction** Verified By:
5438.19	650 Flange Frame Oriel	48x84 Insulated 3/16" An
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** R-35 DP-47.2 Per manufacturers installation instructions.		**Certification Agency Ce** **Installation Instruction** Verified By:

Impact Resistant: **Design Pressure:** +/- **Other:** For use in HVHZ install in accordance with NOA 02-0729-02		
889.4	Hardipanel siding	fiber-cement cladding
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** For use in HVHZ install in accordance with NOA 02-0729-02		**Installation Instruction** Verified By: **Evaluation Reports**
889.5	Hardiplank lap siding	fiber-cement cladding
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** For use in HVHZ install in accordance with NOA 02-0729-02		**Installation Instruction** Verified By: **Evaluation Reports**
889.6	Hardishingle cladding shingle	fiber-cement cladding
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Not for use in HVHZ		**Installation Instruction** Verified By: **Evaluation Reports**
889.7	Hardishingle notched panel	fiber-cement cladding
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Not for use in HVHZ		**Installation Instruction** Verified By: **Evaluation Reports**
889.8	Hardisoffit panel	fiber-cement cladding
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** For use in HVHZ install in accordance with NOA 02-0729-02		**Installation Instruction** Verified By: **Evaluation Reports**
889.9	Harditex baseboard	fiber-cement cladding
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:**		**Installation Instruction** Verified By: **Evaluation Reports**

Residential System Sizing Calculation

Summary

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

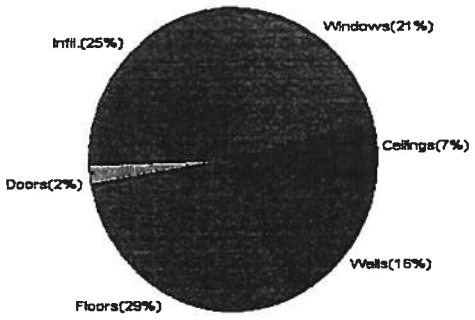
2/14/2006

Location for weather data: Gainesville - User customized: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	99	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	24	F
Total heating load calculation	**24798**	**Btuh**	**Total cooling load calculation**	**33466**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.9	29000	Sensible (SHR = 0.75)	79.6	21750
Heat Pump + Auxiliary(0.0kW)	116.9	29000	Latent	118.1	7250
			Total (Electric Heat Pump)	86.7	29000

WINTER CALCULATIONS

Winter Heating Load (for 1448 sqft)

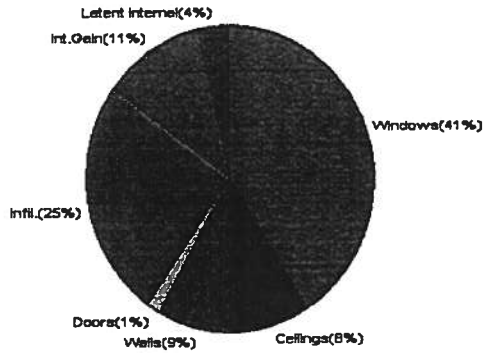
Load component			Load	
Window total	163	sqft	5257	Btuh
Wall total	1180	sqft	3875	Btuh
Door total	39	sqft	499	Btuh
Ceiling total	1448	sqft	1706	Btuh
Floor total	165	sqft	7204	Btuh
Infiltration	154	cfm	6256	Btuh
Duct loss			0	Btuh
Subtotal			**24798**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**24798**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1448 sqft)

Load component			Load	
Window total	163	sqft	13712	Btuh
Wall total	1180	sqft	3091	Btuh
Door total	39	sqft	472	Btuh
Ceiling total	1448	sqft	2721	Btuh
Floor total			0	Btuh
Infiltration	135	cfm	3551	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**27327**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4939	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**6139**	**Btuh**
TOTAL HEAT GAIN			**33466**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Will Myers
DATE: 2/14/06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

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

2/14/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
2	2, Clear, Metal, 0.87	W	60.0	32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	4.0	32.2	129 Btuh
4	2, Clear, Metal, 0.87	E	13.3	32.2	428 Btuh
5	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
6	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	S	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	S	12.0	32.2	386 Btuh
	Window Total		163(sqft)		5257 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1000	3.3	3284 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180	3.3	591 Btuh
	Wall Total		1180		3875 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		19	12.9	240 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		39		499Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1448	1.2	1706 Btuh
	Ceiling Total		1448		1706Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	165.0 ft(p)	43.7	7204 Btuh
	Floor Total		165		7204 Btuh
			Zone Envelope Subtotal:		18541 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	11584	154.5	6256 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**24798 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

2/14/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	24798 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24798 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)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

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

2/14/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
2	2, Clear, Metal, 0.87	W	60.0	32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	4.0	32.2	129 Btuh
4	2, Clear, Metal, 0.87	E	13.3	32.2	428 Btuh
5	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
6	2, Clear, Metal, 0.87	E	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	S	4.0	32.2	129 Btuh
8	2, Clear, Metal, 0.87	S	12.0	32.2	386 Btuh
	Window Total		163(sqft)		5257 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1000	3.3	3284 Btuh
2	Frame - Wood - Adj(0.09)	13.0	180	3.3	591 Btuh
	Wall Total		1180		3875 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		19	12.9	240 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		39		499Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1448	1.2	1706 Btuh
	Ceiling Total		1448		1706Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	165.0 ft(p)	43.7	7204 Btuh
	Floor Total		165		7204 Btuh
			Zone Envelope Subtotal:		18541 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	11584	154.5	6256 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**24798 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

2/14/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	24798 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24798 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)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 2/14/2006

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	13.5f	8ft.	40.0	40.0	0.0	35	86	1402 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	35	86	5136 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	4.0	0.0	4.0	35	86	342 Btuh
4	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	13.3	13.1	0.2	35	86	478 Btuh
5	2, Clear, 0.87, None,N,N	E	5.5ft	8ft.	15.0	4.7	10.3	35	86	1047 Btuh
6	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	35	86	1284 Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	35	40	140 Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	12.0	12.0	0.0	35	40	421 Btuh
	Excursion									3462 Btuh
	Window Total				163 (sqft)					13712 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1000.0	2.7	2707 Btuh
2	Frame - Wood - Adj	13.0/0.09	180.0	2.1	383 Btuh
	Wall Total		1180 (sqft)		3091 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.6	12.3	227 Btuh
2	Insulated - Exterior	20.0	12.3	245 Btuh
	Door Total	39 (sqft)		472 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1448.0	1.9	2721 Btuh
	Ceiling Total		1448 (sqft)		2721 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	165 (ft(p))	0.0	0 Btuh
	Floor Total		165.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:		19996 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	11584	135.1	3551 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 230 +	2400	3780 Btuh

Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**27327 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

2/14/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**27327 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**27327 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**27327 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4939 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6139 Btuh**
	TOTAL GAIN	**33466 Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 2/14/2006

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	W	13.5f	8ft.	40.0	40.0	0.0	35	86	1402 Btuh
2	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	35	86	5136 Btuh
3	2, Clear, 0.87, None,N,N	W	1.5ft	8ft.	4.0	0.0	4.0	35	86	342 Btuh
4	2, Clear, 0.87, None,N,N	E	9.5ft	8ft.	13.3	13.1	0.2	35	86	478 Btuh
5	2, Clear, 0.87, None,N,N	E	5.5ft	8ft.	15.0	4.7	10.3	35	86	1047 Btuh
6	2, Clear, 0.87, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	35	86	1284 Btuh
7	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	4.0	4.0	0.0	35	40	140 Btuh
8	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	12.0	12.0	0.0	35	40	421 Btuh
	Excursion									3462 Btuh
	Window Total				163 (sqft)					13712 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1000.0	2.7	2707 Btuh
2	Frame - Wood - Adj	13.0/0.09	180.0	2.1	383 Btuh
	Wall Total		1180 (sqft)		3091 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	18.6	12.3	227 Btuh
2	Insulated - Exterior	20.0	12.3	245 Btuh
	Door Total	39 (sqft)		472 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1448.0	1.9	2721 Btuh
	Ceiling Total		1448 (sqft)		2721 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	165 (ft(p))	0.0	0 Btuh
	Floor Total		165.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		19996 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	11584	135.1	3551 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	2400	3780 Btuh

Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**27327 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

Code Only
Professional Version
Climate: North

2/14/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**27327 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**27327 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**27327 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4939 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6139 Btuh**
	TOTAL GAIN	**33466 Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

Spec House
Highway 47
, FL 32025-

Project Title:
Scott Curry

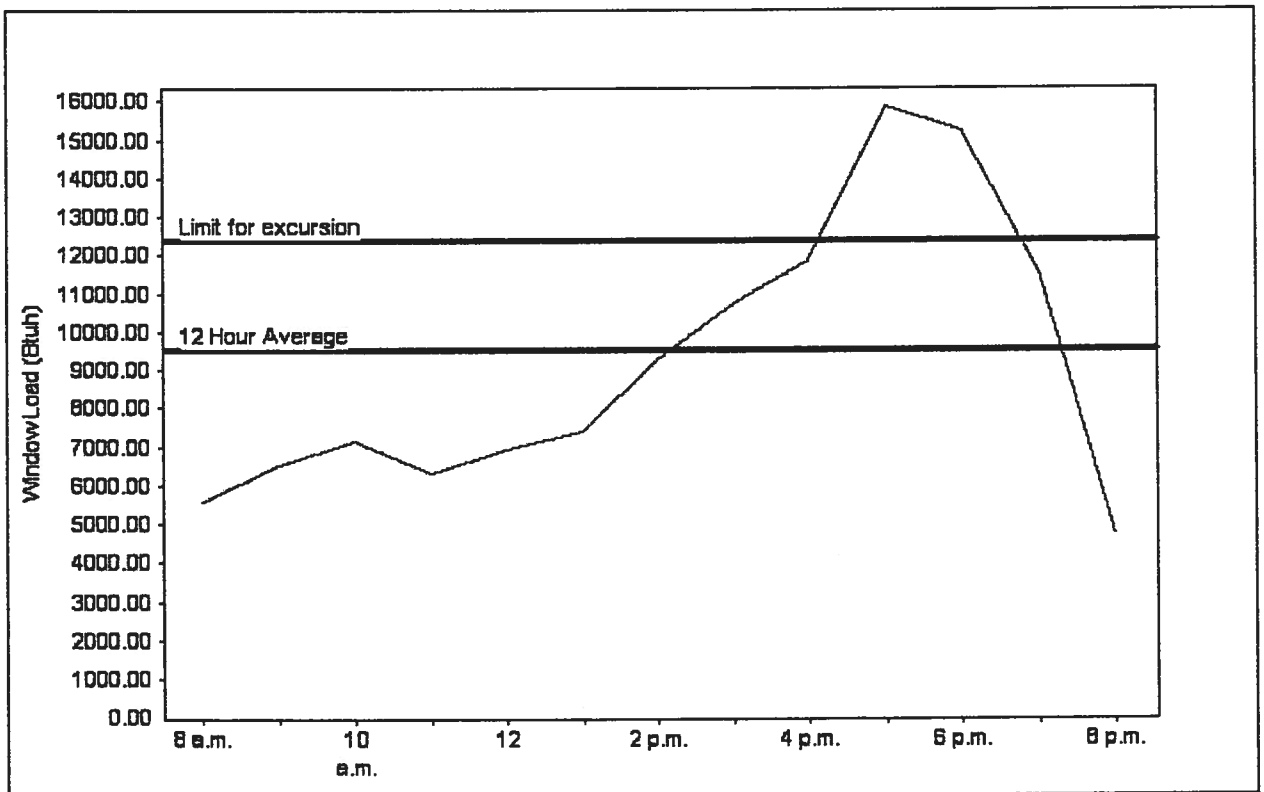
Code Only
Professional Version
Climate: North

2/14/2006

Weather data for: Gainesville - User customized

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

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: _____

FORM 600A-2004

EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Scott Curry**	Builder:	**Nathan Peterson Const.**
Address:	**Highway 47**	Permitting Office:	
City, State:	**, FL 32025-**	Permit Number:	
Owner:	**Spec House**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 29.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1448 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 29.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 163.3 ft²		HSPF: 6.80
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 163.3 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 165.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1000.0 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 180.0 ft²	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1448.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 35.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 22863

Total base points: 22989

PASS

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

PREPARED BY: Will Myers

DATE: 2/14/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1448.0	20.04	5223.2	Double, Clear	W	13.5	8.0	40.0	38.52	0.43	657.8
				Double, Clear	W	1.5	8.0	60.0	38.52	0.96	2214.6
				Double, Clear	W	1.5	8.0	4.0	38.52	0.96	147.6
				Double, Clear	E	9.5	8.0	13.3	42.06	0.47	263.5
				Double, Clear	E	5.5	8.0	15.0	42.06	0.62	391.2
				Double, Clear	E	1.5	8.0	15.0	42.06	0.96	604.2
				Double, Clear	S	1.5	8.0	4.0	35.87	0.92	132.5
				Double, Clear	S	1.5	8.0	12.0	35.87	0.92	397.4
				As-Built Total:				**163.3**			**4808.7**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	180.0	0.70	126.0	Frame, Wood, Exterior	13.0	1000.0	1.50	1500.0
Exterior	1000.0	1.70	1700.0	Frame, Wood, Adjacent	13.0	180.0	0.60	108.0
Base Total:	**1180.0**		**1826.0**	**As-Built Total:**		**1180.0**		**1608.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	18.6	1.60	29.7	Exterior Insulated	20.0	4.10	82.0
Exterior	20.0	4.10	82.0	Adjacent Insulated	18.6	1.60	29.7
Base Total:	**38.6**		**111.7**	**As-Built Total:**	**38.6**		**111.7**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1448.0	1.73	2505.0	Under Attic	30.0	1448.0	1.73 X 1.00	2505.0
Base Total:	**1448.0**		**2505.0**	**As-Built Total:**		**1448.0**		**2505.0**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	165.0(p)	-37.0	-6105.0	Slab-On-Grade Edge Insulation	0.0	165.0(p	-41.20	-6798.0
Raised	0.0	0.00	0.0					
Base Total:			**-6105.0**	**As-Built Total:**		**165.0**		**-6798.0**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1448.0	10.21	14784.1	1448.0	10.21	14784.1

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18345.0			**Summer As-Built Points:**					**17019.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 29000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			17020	1.00	(1.09 x 1.147 x 1.00)	0.310	1.000	6602.1
18345.0	**0.4266**	**7826.0**	**17019.5**	**1.00**	**1.250**	**0.310**	**1.000**	**6602.1**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1448.0	12.74	3320.6	Double, Clear	W	13.5	8.0	40.0	20.73	1.21	1006.9	
				Double, Clear	W	1.5	8.0	60.0	20.73	1.01	1257.5	
				Double, Clear	W	1.5	8.0	4.0	20.73	1.01	83.8	
				Double, Clear	E	9.5	8.0	13.3	18.79	1.34	334.2	
				Double, Clear	E	5.5	8.0	15.0	18.79	1.19	335.3	
				Double, Clear	E	1.5	8.0	15.0	18.79	1.02	287.5	
				Double, Clear	S	1.5	8.0	4.0	13.30	1.04	55.4	
				Double, Clear	S	1.5	8.0	12.0	13.30	1.04	166.1	
				As-Built Total:				**163.3**			**3526.7**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	180.0	3.60	648.0	Frame, Wood, Exterior			13.0	1000.0	3.40		3400.0	
Exterior	1000.0	3.70	3700.0	Frame, Wood, Adjacent			13.0	180.0	3.30		594.0	
Base Total:	**1180.0**		**4348.0**	**As-Built Total:**				**1180.0**			**3994.0**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	18.6	8.00	148.5	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0	Adjacent Insulated				18.6	8.00		148.5	
Base Total:	**38.6**		**316.5**	**As-Built Total:**				**38.6**			**316.5**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	1448.0	2.05	2968.4	Under Attic			30.0	1448.0	2.05 X 1.00		2968.4	
Base Total:	**1448.0**		**2968.4**	**As-Built Total:**				**1448.0**			**2968.4**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	165.0(p)	8.9	1468.5	Slab-On-Grade Edge Insulation			0.0	165.0(p	18.80		3102.0	
Raised	0.0	0.00	0.0									
Base Total:			**1468.5**	**As-Built Total:**				**165.0**			**3102.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1448.0	-0.59	-854.3					1448.0	-0.59		-854.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-**	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**11567.6**	**Winter As-Built Points:**						**13053.3**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
			(sys 1: Electric Heat Pump 29000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
			13053.3	1.000	(1.069 x 1.169 x 1.00)	0.501	1.000	8180.1	
11567.6	**0.6274**	**7257.5**	**13053.3**	**1.00**	**1.250**	**0.501**	**1.000**	**8180.1**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** 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
3		2635.00	7905.0	50.0	0.90	3	1.00	2693.56	1.00	8080.7
				As-Built Total:						**8080.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	Heating Points	Hot Water Points	Total Points	Cooling Points	Heating Points	Hot Water Points	Total Points
7826	**7258**	**7905**	**22989**	**6602**	**8180**	**8081**	**22863**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Highway 47, , FL, 32025-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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* = 83.2

The higher the score, the more efficient the home.

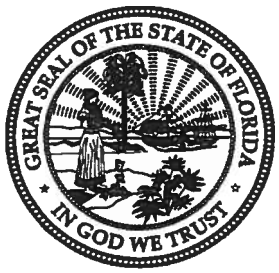
Spec House, Highway 47, , FL, 32025-

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 29.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 11.00
4.	Number of Bedrooms	3		b.	N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	1448 ft²		c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 163.3 ft²		a.	Electric Heat Pump	Cap: 29.0 kBtu/hr
b.	SHGC:					HSPF: 6.80
	(or Clear or Tint DEFAULT)	7b. (Clear) 163.3 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 165.0(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, 1000.0 ft²				EF: 0.90
b.	Frame, Wood, Adjacent	R=13.0, 180.0 ft²		b.	N/A	
c.	N/A					
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, 1448.0 ft²		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: Garage	Sup. R=6.0, 35.0 ft			MZ-C-Multizone cooling,	
b.	N/A				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 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.*

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

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☐	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☐	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☐	☐	a) All sides
☐	☐	b) Roof pitch
☐	☐	c) Overhang dimensions and detail with attic ventilation

☐ ☐ d) Location, size and height above roof of chimneys.
☐ ☐ e) Location and size of skylights
☑ ☐ f) Building height
☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☐ ☐ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☐ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
☐ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

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

Roof System:

☑ ☐ a) Truss package including:
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☐ ☐ b) Conventional Framing Layout including:
1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☐ ☐ a) Masonry wall
1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☐ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☐ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☐ ☐ b) Ceiling fans

☐ ☐ c) Smoke detectors

☐ ☐ d) Service panel and sub-panel size and location(s)

☐ ☐ e) Meter location with type of service entrance (overhead or underground)

☐ ☐ f) Appliances and HVAC equipment

☐ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☐ ☐ h) Exhaust fans in bathroom

HVAC information

☐ ☐ a) Energy Calculations (dimensions shall match plans)

☐ ☐ b) Manual J sizing equipment or equivalent computation

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

☐ ☐ **Disclosure Statement for Owner Builders**

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

☐ ☐ **Private Potable Water**

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval: If the project is to be located within the city limits of the Town of Fort White**, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. **(386) 497-2321**

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit **($25.00)** must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver **($50.00)**. All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, than an F.D.O.T. access permit is required.**

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

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

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

_____

_____

_____

_____ _____

Contractor or Contractor's Authorized Agent Signature Print Name Date

_____ _____

Location Permit # **(FOR STAFF USE ONLY)**

Columbia County 9-1-1 Addressing / GIS Department
P.O. Box 1787, Lake City, FL 32056
Telephone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

9-1-1 Address Request Form

NOTE: ADDRESS ASSIGNMENT MAY REQUIRE UP TO 10 WORKING DAYS. IF THE ADDRESSING DEPARTMENT NEEDS TO CONDUCT ON SITE GPS LOCATION IDENTIFICATION, ADDITIONAL TIME MAY BE REQUIRED.

Date of Request: _____

Requester Last Name: _____

First Name: _____

Contact Telephone Number: _____

(Cell Phone Number if Provided): _____

Requested for Self: _____ or Requested for Company: _____
(check one)
If Address is Requested by a Company, Provide Name of Requesting Company:

_____

Parcel Identification Number: ____ - ____ - ____ - _____

If in Subdivision, Provide Name Of Subdivision:

_____

Phase or Unit Number (if any): _____ Block Number (if any): _____

Lot Number: _____

Attach Site Plan or you may use back of Request Form for Site Plan:

Requirements for Site Plan Are Listed on Back of Request From:
(NOTE: Site Plan Does NOT have to be a survey or to scale; FURTHER a Environmental Health Dept. Site Plan showing only a 210 by 210 cutout of a property will NOT suffice for Addressing Requirements.)

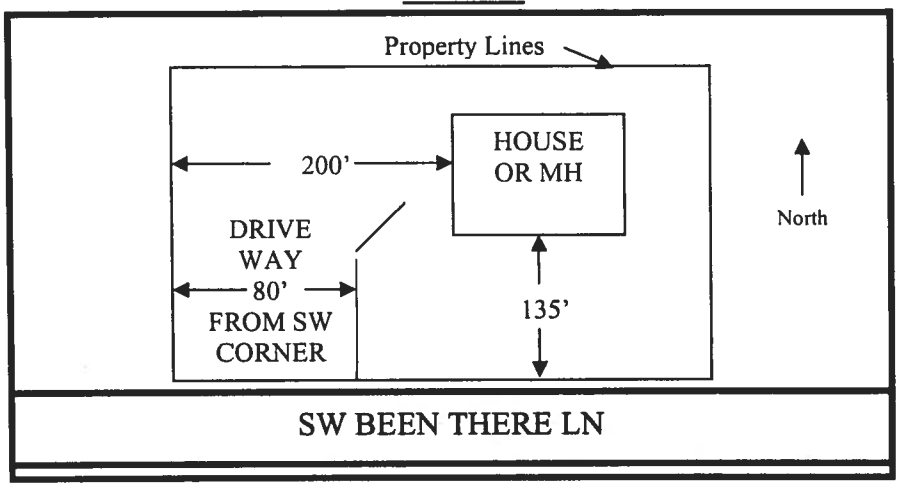
Addressing / GIS Department Use Only:

Date Received: _____ Date Assigned: _____

ID Number: _____

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0604-31

Petersen Construction Owners Petersen Construction Lot 1 Block A Columbia Estates

On the date of April 13, 2006 application 0604-31 and plans for placement of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0604-31 when making reference to this application.

1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

3. Please make application with the Columbia County 911 addressing coordinator Mr. Ron Croft 758-1125 for a 911 address for this dwelling.
4. Please submit an approved State of Florida Department of Transportation driveway permit to gain access to the dwelling driveway from State Road 47.
5. The attic access opening (pull down ladder type attic egress door) in the garage ceiling shall have the same protection requirements as required in FRC-2004 C: R309.2 Separation required. The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.
6. The electrical plans show the location of the electrical panel and include the total amperage rating of the electrical service panel. Also show the overcurrent protection device which shall be installed on the exterior of structures to serve as a disconnecting means. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

Thank you,

Joe Haltiwanger
Plan Examiner