

DATE 2/2005

# Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000023006

APPLICANT JOHN D.NORRIS PHONE 758.3663  
ADDRESS POB 238 WHITE SPRINGS FL 32096  
OWNER PETE GIEBEIG PHONE 752.7968  
ADDRESS 198 SW WISE DRIVE LAKE CITY FL 32024  
CONTRACTOR JOHN NORRIS PHONE 752.7968  
LOCATION OF PROPERTY 47-S TO C-242,TR GO 1 MILE TO S/D ON R. SW WISE DRIVE.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 80400.00  
HEATED FLOOR AREA 1608.00 TOTAL AREA 2348.00 HEIGHT 18.00 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC  
LAND USE & ZONING A-3 MAX. HEIGHT \_\_\_\_\_  
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 23-4S-16-03113-104 SUBDIVISION WISE ESTATES  
LOT 4 BLOCK A PHASE \_\_\_\_\_ UNIT 1 TOTAL ACRES .43

000000602 N RG0066597  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
18"X32'MITERED 05-0207-N BLK N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: PER PLAT 1ST. FLOOR ELEVATION TO BE 99.5 FT. ELEVATION LETTER REQUIRED.

Check # or Cash 3326

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 405.00 CERTIFICATION FEE \$ 11.74 SURCHARGE FEE \$ 11.74  
MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_  
FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ 25.00 TOTAL FEE 503.48

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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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



# Columbia County Building Permit Application

**For Office Use Only** Application # 0503-64 Date Received 3/2/05 By ST Permit # 1802/23006  
 Application Approved by - Zoning Official BZLK Date 04/04/05 Plans Examiner OK JTH Date 3-23-05  
 Flood Zone X PP Development Permit MA Zoning RSF-2 Land Use Plan Map Category Res. Low Dg  
 Comments Per Plot 1st Floor Elevation to be 99.5 ft elevation letter required before slab

Applicants Name Johnie Norris John Norris Phone 758-3663  
 Address P.O. Box 238 White Springs Fl. 32096  
 Owners Name Pete Giebeig Phone 752-7968  
 911 Address 198 SW Wise Dr.  
 Contractors Name John Norris Phone 758-3663  
 Address P.O. Box 238 White Springs Fl. 32096  
 Fee Simple Owner Name & Address Pete Giebeig  
 Bonding Co. Name & Address None  
 Architect/Engineer Name & Address Freeman  
 Mortgage Lenders Name & Address None

Property ID Number 23-45-16-03113-104 Estimated Cost of Construction 60,000.  
 Subdivision Name Wine Estates Lot # A-4 Lot 4 Block A Unit I Phase  
 Driving Directions Go 47 S to 242 turn right & go 1 mile.  
Sub division on right

Type of Construction Bricks veneer Number of Existing Dwellings on Property 0  
 Total Acreage 0.43A Lot Size 1/2 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 30 Side 30 Side 30 Rear 80  
 Total Building Height 18' Number of Stories 1 Heated Floor Area 1600 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

**OWNERS AFFIDAVIT:** I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

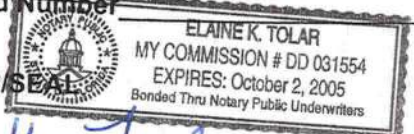
Pete  
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
 this 11th day of MARCH 2005.  
 Personally known X or Produced Identification

John D Norris  
 Contractor Signature  
 Contractors License Number R 6 0066597  
 Competency Card Number

NOTARY STAMP/SEAL



Elaine K. Tolar  
 Notary Signature

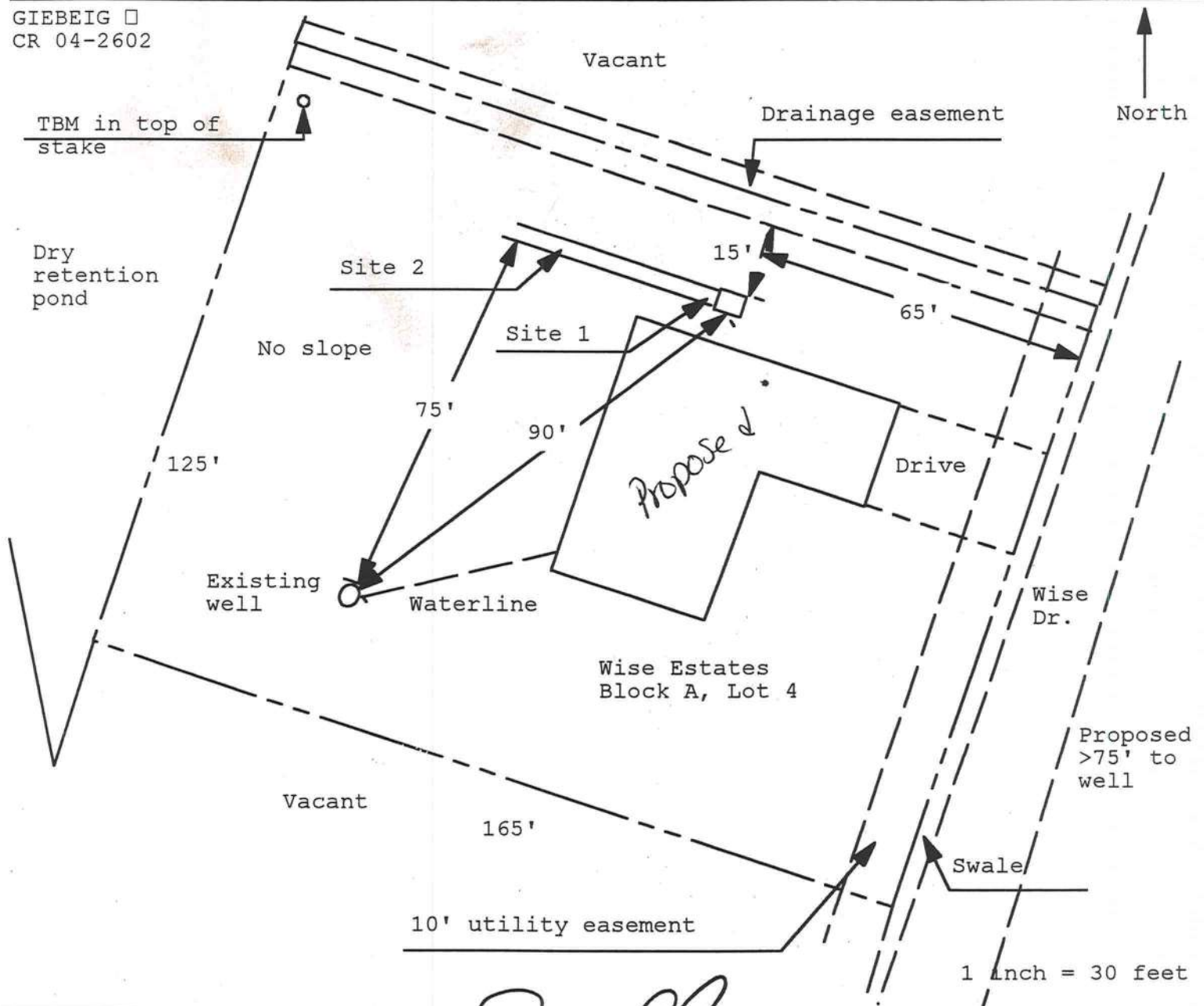


Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan

Permit Application Number: 05-~~0206N~~ 0207N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG □  
CR 04-2602



Site Plan Submitted By Paul D. [Signature] Date 2/10/05  
Plan Approved [Signature] Not Approved \_\_\_\_\_ Date 3/15/05

By [Signature] [Signature] CPHU

Notes: \_\_\_\_\_

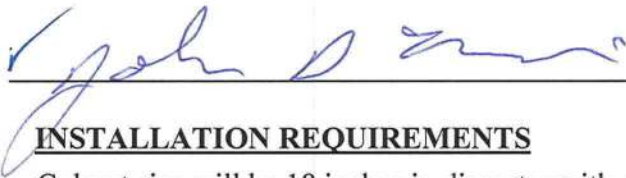
**Columbia County Building Department  
Culvert Permit**

**Culvert Permit No.  
000000602**

DATE 04/08/2005 PARCEL ID # 23-4S-16-03113-104  
APPLICANT JOHN NORRIS PHONE 758.3663  
ADDRESS POB 238 WHITE SPRINGS FL 32096  
OWNER PETE GIEBEIG PHONE 752.7968  
ADDRESS 198 SW WISE DRIVE LAKE CITY FL 32024  
CONTRACTOR JOHN NORRIS PHONE 758,3663  
LOCATION OF PROPERTY 47-S TO C-242,TR GO 1 MILE S/D ON RIGHT, WISE DRIVE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WISE ESTATES 4 A 1

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



NOTICE OF COMMENCEMENT

STATE OF: Florida  
COUNTY OF: Columbia

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

1. Description of Property: Lot #4 Block A Wise Estates  
198 SW Wise Drive
2. General Description of Improvement: Construction of Single Family Residence
3. Owner Information:
  - a. Name and Address: Peter W. Giebeig  
P.O. Box 1384 Lake City, FL 32056
  - b. Interest in Property: Fee Simple
  - c. Name and Address of Fee Simple titleholder (if other than Owner): \_\_\_\_\_
4. Contractor (Name and Address): John D. Norris  
P.O. Box 238 White Springs, FL 32096
5. Surety:
  - a. Name and Address: N/A
  - b. Amount of Bond: \_\_\_\_\_
6. Lender (Name and Address): N/A
7. Persons within the State of Florida designated by Owner upon notices or other documents may be Served as provided by 713.13 (1)(a)(7), Florida Statutes.  
N/A
8. In addition to himself, the Owner designates the following person to receive a copy of the Lienor's Notice as provided in 713.13 (1)(b), Florida Statutes (Name and Address):  
N/A
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of Recording unless a different date is specified): \_\_\_\_\_

Type Owner Name: \_\_\_\_\_

Peter W. Giebeig  
Type Owner Name: Peter W. Giebeig

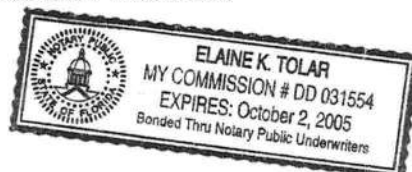
Margaret Bagley  
Witness #1  
Margaret Bagley

Elaine K. Tolar  
Witness #2  
ELAINE K TOLAR

Sworn to and subscribed before me by the Owner (s) on this 22nd day of FEB 2005

Elaine K. Tolar  
Type Name: ELAINE K. TOLAR  
Notary Public, State of Florida  
COMMISSION EXPIRY / NUMBER:

Personally Known PETER W. GIEBEIG  
Produced Identification \_\_\_\_\_  
Did Take an Oath / Did Not Take an Oath \_\_\_\_\_





23006



## BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055  
Phone (386) 752-7163 • Fax (386) 752-5573

Land Surveyors  
and Mappers

04/22/05

L-16068

To Whom It May Concern:

C/o: Trent Giebeig

Re: Lot 4 Block A of Wise Estates

The elevation of the foundation is found to be 100.50 feet. The minimum floor elevation shown on the plat of record is 99.50 feet. The highest adjacent grade is 98.3 feet and the lowest adjacent grade is 97.5 feet. The elevations shown hereon are based on NGVD 29 datum.

L. Scott Britt  
PLS #5757

23006



# Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)  
 Address: BAYD AVE Phone: 752 170 3  
 City: LAKE CITY

Site Location: Subdivision WISE ESTATES  
 Lot # 4 Block # A Permit # 23006  
 Address 198 SW WISE DR

Product used	Active Ingredient	% Concentration
<input checked="" type="checkbox"/> Dursban TC	Chlorpyrifos	0.5%
<input type="checkbox"/> Termidor	Fipronil	0.06%
<input type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☒ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>2348</u>	<u>2348</u>	<u>220</u>	<u>380</u>
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 - If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line \_\_\_\_\_

Date 4/29/05 Time 0800 Print Technician's Name GUNN F254

Remarks: Exterior not complete

Applicator - White Permit File - Canary Permit Holder - Pink 6/04 ©



FLORIDA ENERGY EFFICIENCY CODE  
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	St Johns 1608 Lot 4a Wise estates	Builder:	John Norris
Address:	Lot: A4, Sub: Wise Estates, Plat:	Permitting Office:	Columbia County
City, State:	Lake City, FL	Permit Number:	23006
Owner:	Peter Giebeig	Jurisdiction Number:	221006
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1608 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	157.0 ft² 0.0 ft²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Default tint	0.0 ft² 0.0 ft²		HSPF: 7.40
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 175.0(p) ft		
b. N/A		14. Hot water systems	
c. N/A		a. Electric Resistance	Cap: 50.0 gallons
9. Wall types			EF: 0.95
a. Face Brick, Wood, Exterior	R=13.0, 879.4 ft²	b. N/A	
b. Frame, Wood, Adjacent	R=13.0, 160.0 ft²	c. Conservation credits	
c. Frame, Wood, Exterior	R=13.0, 421.3 ft²	(HR-Heat recovery, Solar	
d. N/A		DHP-Dedicated heat pump)	
e. N/A		15. HVAC credits	
10. Ceiling types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1614.7 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 53.0 ft		
b. N/A			

Glass/Floor Area: 0.07	Total as-built points: 39908	PASS
	Total base points: 45523	

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

PREPARED BY: William H. Green

DATE: 3/1/05

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


OWNER/AGENT: \_\_\_\_\_

DATE: \_\_\_\_\_

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

BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_





SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2890.0	20.04	16906.5	Single, Clear	E	1.5	6.0	15.0	47.92	0.91	656.1
				Single, Clear	E	1.5	6.0	20.0	47.92	0.91	874.8
				Single, Clear	E	1.5	6.0	25.0	47.92	0.91	1093.5
				Single, Clear	S	1.5	2.0	5.0	40.81	0.57	115.4
				Single, Clear	S	1.5	5.0	8.0	40.81	0.81	263.4
				Single, Clear	W	1.5	6.0	30.0	43.84	0.91	1201.2
				Single, Clear	W	1.5	7.0	30.0	43.84	0.94	1234.8
				Single, Clear	W	1.5	7.0	24.0	43.84	0.94	987.9
				As-Built Total:							157.0
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	160.0	0.70	112.0	Face Brick, Wood, Exterior	13.0		879.4	0.35 307.8			
Exterior	1300.6	1.70	2211.1	Frame, Wood, Adjacent	13.0		160.0	0.60 96.0			
				Frame, Wood, Exterior	13.0		421.3	1.50 631.9			
Base Total:	1460.6		2323.1	As-Built Total:		1460.6		1035.7			
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	176.8	2.40	424.3	Exterior Wood			34.0	6.10 207.4			
Exterior	58.5	6.10	356.7	Adjacent Wood			106.1	2.40 254.6			
				Adjacent Wood			57.1	2.40 137.1			
				Adjacent Wood			13.6	2.40 32.6			
				Exterior Wood			24.5	6.10 149.3			
Base Total:	235.3		781.0	As-Built Total:		235.3		781.0			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1608.0	1.73	2781.8	Under Attic	30.0		1614.7	1.73 X 1.00 2793.4			
Base Total:	1608.0		2781.8	As-Built Total:		1614.7		2793.4			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	175.0(p)	-37.0	-6475.0	Slab-On-Grade Edge Insulation	0.0		175.0(p)	-41.20 -7210.0			
Raised	0.0	0.00	0.0								
Base Total:			-6475.0	As-Built Total:		175.0		-7210.0			
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	2890.0	10.21	16417.7	2890.0 10.21 16417.7							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 80548.6				Summer As-Built Points: 74926.9									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Cooling Points
80548.6		0.4266	34362.0	74926.9		1.000		(1.090 x 1.165 x 0.91)		0.284		1.000	26639.0
				74926.9		1.00		1.250		0.341		1.000	31938.8



WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	2890.0	12.74	1227.7	Single, Clear	E	1.5	6.0	15.0	26.41	1.04	410.2
				Single, Clear	E	1.5	6.0	20.0	26.41	1.04	546.9
				Single, Clear	E	1.5	6.0	25.0	26.41	1.04	683.7
				Single, Clear	S	1.5	2.0	5.0	20.24	2.27	229.3
				Single, Clear	S	1.5	5.0	8.0	20.24	1.20	193.9
				Single, Clear	W	1.5	6.0	30.0	28.84	1.02	885.5
				Single, Clear	W	1.5	7.0	30.0	28.84	1.02	879.4
				Single, Clear	W	1.5	7.0	24.0	28.84	1.02	703.5
				As-Built Total:							157.0
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	160.0	3.60	576.0	Face Brick, Wood, Exterior	13.0			879.4	3.17	2792.0	
Exterior	1300.6	3.70	4812.4	Frame, Wood, Adjacent	13.0			160.0	3.30	528.0	
				Frame, Wood, Exterior	13.0			421.3	3.40	1432.4	
Base Total:	1460.6		5388.4	As-Built Total:			1460.6	4752.3			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	176.8	11.50	2033.2	Exterior Wood	34.0 12.30 418.2						
Exterior	58.5	12.30	719.3	Adjacent Wood	106.1 11.50 1219.9						
				Adjacent Wood	57.1 11.50 656.9						
				Adjacent Wood	13.6 11.50 156.4						
				Exterior Wood	24.5 12.30 301.1						
Base Total:	235.3		2752.5	As-Built Total:			235.3	2752.5			
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1608.0	2.05	3296.4	Under Attic	30.0			1614.7	2.05 X 1.00	3310.1	
Base Total:	1608.0		3296.4	As-Built Total:			1614.7	3310.1			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	175.0(p)	8.9	1557.5	Slab-On-Grade Edge Insulation	0.0			175.0(p)	18.80	3290.0	
Raised	0.0	0.00	0.0								
Base Total:			1557.5	As-Built Total:			175.0	3290.0			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
	2890.0	-0.59	-948.7	2890.0 -0.59 -948.7							

WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		2685.4		Winter As-Built Points:			3025.7			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
2685.4		0.6274	1684.8	<sup>3025.7</sup> 3025.7		1.000 1.00	(1.069 x 1.137 x 0.93) 1.250	0.461 0.487	1.000 1.000	<sup>1742.2</sup> 1841.8



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

ADDRESS: Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,	PERMIT #:
---	-----------

BASE				AS-BUILT					
<b>WATER HEATING</b>									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Multiplier X Ratio	Credit = Total Multiplier
4		2746.00	9476.0	50.0	0.95	4		1.00 2543.66	1.00 7631.0
				As-Built Total:					
				6127.8					

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
34362		1685	9476 45523	31939		1842	6128 39908

PASS



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	



# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 84.2**

The higher the score, the more efficient the home.

Peter Giebeig, Lot: A4, Sub: Wise Estates, Plat: , Lake City, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	1608 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	157.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 7.40
c. Tint/other SHGC - single pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>	b. N/A	
d. Tint/other SHGC - double pane		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 175.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.95
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Face Brick, Wood, Exterior	R=13.0, 879.4 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 160.0 ft <sup>2</sup>	DHP-Dedicated heat pump)	
c. Frame, Wood, Exterior	R=13.0, 421.3 ft <sup>2</sup>	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, 1614.7 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 53.0 ft		
b. N/A			

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

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_ City/FL Zip: \_\_\_\_\_



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

Energy Gauge Version: FLRCPB v3.30)

# Residential System Sizing Calculation

## Summary

Peter Giebeig  
Lake City, FL

Project Title:  
St Johns 1608 Lot 4a Wise estates

Code Only  
Professional Version  
Climate: North

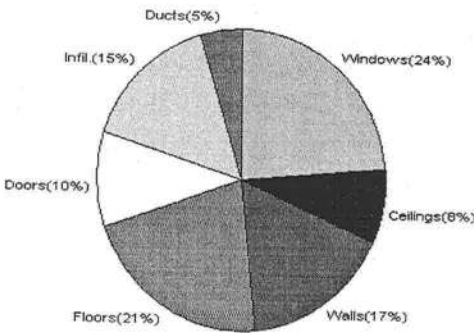
3/1/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
<b>Total heating load calculation</b>	<b>25864 Btuh</b>	<b>Total cooling load calculation</b>	<b>23453 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	92.8 24000	Sensible (SHR = 0.5)	62.2 12000
Heat Pump + Auxiliary(0.0kW)	92.8 24000	Latent	289.1 12000
		Total (Electric Heat Pump)	102.3 24000

## WINTER CALCULATIONS

Winter Heating Load (for 1608 sqft)

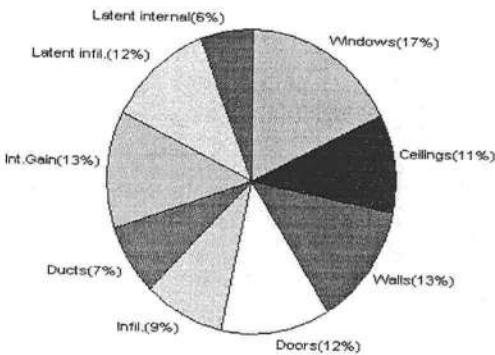
Load component		Load
Window total	157 sqft	6123 Btuh
Wall total	1461 sqft	4288 Btuh
Door total	235 sqft	2676 Btuh
Ceiling total	1615 sqft	2099 Btuh
Floor total	175 ft	5530 Btuh
Infiltration	91 cfm	3917 Btuh
<b>Subtotal</b>		<b>24633 Btuh</b>
Duct loss		1232 Btuh
<b>TOTAL HEAT LOSS</b>		<b>25864 Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1608 sqft)

Load component		Load
Window total	157 sqft	4104 Btuh
Wall total	1461 sqft	3014 Btuh
Door total	235 sqft	2889 Btuh
Ceiling total	1615 sqft	2519 Btuh
Floor total		0 Btuh
Infiltration	80 cfm	2021 Btuh
Internal gain		3000 Btuh
<b>Subtotal(sensible)</b>		<b>17547 Btuh</b>
Duct gain		1755 Btuh
<b>Total sensible gain</b>		<b>19302 Btuh</b>
Latent gain(infiltration)		2771 Btuh
Latent gain(internal)		1380 Btuh
<b>Total latent gain</b>		<b>4151 Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>23453 Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.  
PREPARED BY: Walter H. Gie  
DATE: 3/1/05

EnergyGauge® FLRCPB v3.30



# System Sizing Calculations - Winter

## Residential Load - Component Details

Peter Giebeig

Lake City, FL

Project Title:  
St Johns 1608 Lot 4a Wise estates

Code Only  
Professional Version  
Climate: North

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

3/1/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Wood, 1.00	N	15.0	39.0	585 Btuh
2	1, Clear, Wood, 1.00	N	20.0	39.0	780 Btuh
3	1, Clear, Wood, 1.00	N	25.0	39.0	975 Btuh
4	1, Clear, Wood, 1.00	E	5.0	39.0	195 Btuh
5	1, Clear, Wood, 1.00	E	8.0	39.0	312 Btuh
6	1, Clear, Wood, 1.00	S	30.0	39.0	1170 Btuh
7	1, Clear, Wood, 1.00	S	30.0	39.0	1170 Btuh
8	1, Clear, Wood, 1.00	S	24.0	39.0	936 Btuh
Window Total			157		6123 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	879	3.1	2726 Btuh
2	Frame - Adjacent	13.0	160	1.6	256 Btuh
3	Frame - Exterior	13.0	421	3.1	1306 Btuh
Wall Total			1461		4288 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		34	17.9	610 Btuh
2	Wood - Adjac		106	9.2	976 Btuh
3	Wood - Adjac		57	9.2	526 Btuh
4	Wood - Adjac		14	9.2	125 Btuh
5	Wood - Exter		24	17.9	439 Btuh
Door Total			235		2676 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1615	1.3	2099 Btuh
Ceiling Total			1615		2099 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	175.0 ft(p)	31.6	5530 Btuh
Floor Total			175		5530 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13668(sqft)	91	3917 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				91	3917 Btuh

Totals for Heating	Subtotal	24633 Btuh
	Duct Loss(using duct multiplier of 0.05)	1232 Btuh
	Total Btuh Loss	25864 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Peter Giebeig  
Lake City, FL

Project Title:  
St Johns 1608 Lot 4a Wise estates

Code Only  
Professional Version  
Climate: North

3/1/2005

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

Peter Giebeig

Lake City, FL

Project Title:

St Johns 1608 Lot 4a Wise estates

Code Only

Professional Version

Climate: North

Reference City: Gainesville (User customized)

Summer Temperature Difference: 23.0 F

3/1/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.00, B, N	N	1.5	6	15.0	0.0	15.0	24	24	360 Btuh
2	1, Clear, 1.00, B, N	N	1.5	6	20.0	0.0	20.0	24	24	480 Btuh
3	1, Clear, 1.00, B, N	N	1.5	6	25.0	0.0	25.0	24	24	600 Btuh
4	1, Clear, 1.00, B, N	E	1.5	2	5.0	3.1	1.9	24	58	184 Btuh
5	1, Clear, 1.00, B, N	E	1.5	5	8.0	0.0	8.0	24	58	464 Btuh
6	1, Clear, 1.00, B, N	S	1.5	6	30.0	30.0	0.0	24	34	720 Btuh
7	1, Clear, 1.00, B, N	S	1.5	7	30.0	30.0	0.0	24	34	720 Btuh
8	1, Clear, 1.00, B, N	S	1.5	7	24.0	24.0	0.0	24	34	576 Btuh
Window Total					157					4104 Btuh
Walls	Type	R-Value			Area		HTM		Load	
1	Frame - Exterior	13.0			879.4		2.1		1882 Btuh	
2	Frame - Adjacent	13.0			160.0		1.4		230 Btuh	
3	Frame - Exterior	13.0			421.3		2.1		902 Btuh	
Wall Total					1460.6				3014 Btuh	
Doors	Type				Area		HTM		Load	
1	Wood - Exter				34.0		12.3		418 Btuh	
2	Wood - Adjac				106.1		12.3		1303 Btuh	
3	Wood - Adjac				57.1		12.3		701 Btuh	
4	Wood - Adjac				13.6		12.3		167 Btuh	
5	Wood - Exter				24.5		12.3		301 Btuh	
Door Total					235.3				2889 Btuh	
Ceilings	Type/Color	R-Value			Area		HTM		Load	
1	Under Attic/Dark	30.0			1614.7		1.6		2519 Btuh	
Ceiling Total					1614.7				2519 Btuh	
Floors	Type	R-Value			Size		HTM		Load	
1	Slab-On-Grade Edge Insulation	0.0			175.0 ft(p)		0.0		0 Btuh	
Floor Total					175.0				0 Btuh	
Infiltration	Type	ACH			Volume		CFM=		Load	
	Natural	0.35			13668		79.9		2021 Btuh	
	Mechanical						0		0 Btuh	
Infiltration Total							80		2021 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load	
	6			X 300 +			1200		3000 Btuh	

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Peter Giebeig  
Lake City, FL

Project Title:  
St Johns 1608 Lot 4a Wise estates

Code Only  
Professional Version  
Climate: North

3/1/2005

Totals for Cooling	Subtotal	17547 Btuh
	Duct gain(using duct multiplier of 0.10)	1755 Btuh
	Total sensible gain	19302 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	2771 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	23453 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)  
(U - Window U-Factor or 'DEF' for default)  
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))  
(ExSh - Exterior shading device: none(N) or numerical value)  
(Ornt - compass orientation)



# COLUMBIA COUNTY, FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION OCCUPANCY

## COLUMBIA COUNTY, FLORIDA

### Department of Building and Zoning Inspection

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

Parcel Number 23-4S-16-03113-104

Building permit No. 000023006

Use Classification SFD & UTILITY

Fire: .00

Permit Holder JOHN NORRIS

Waste: .00

Owner of Building PETE GIEBEIG

Total: .00

Location: 198 SW WISE DR(WISE EST., LOT 4)

Date: 09/13/2005



*[Signature]*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)