

DATE 02/25/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022850

APPLICANT JOHN NORRIS PHONE 758-3663
ADDRESS P.O. BOX 238 WHITE SPRINGS FL 32096
OWNER PETE GIEBEIG PHONE 752-7968
ADDRESS 251 SW WISE DRIVE LAKE CITY FL 32055
CONTRACTOR JOHN NORRIS PHONE 758-3663
LOCATION OF PROPERTY 47S, TR ON 242, TR ON WISE DRIVE, 6TH ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 78000.00
HEATED FLOOR AREA 1560.00 TOTAL AREA 2262.00 HEIGHT 18.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 18
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 23-4S-16-03113-136 SUBDIVISION WISE ESTATES
LOT 6 BLOCK PHASE UNIT TOTAL ACRES .50

000000556 N RG0066597
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 05-0075-N BK RJ Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: PLAT REQUIRES 1ST FLOOR ELEVATION T BE 99 FEET, ELEVATION LETTER
REQUIRED BEFORE SLAB, NOC ON FILE

Check # or Cash 3297

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 390.00 CERTIFICATION FEE \$ 11.31 SURCHARGE FEE \$ 11.31
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 487.62

INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

1st message

For Office Use Only Application # 0502-30 Date Received 2/10/05 By GT Permit # 556/22850
 Application Approved by - Zoning Official BLK Date 24.02.05 Plans Examiner _____ Date _____
 Flood Zone X per plot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Den.
 Comments Plot Requires 1st Floor Elevation to be 97.0 feet 1st Floor Elevation Letter Required
before S/AB.

Applicants Name Judith Norris Phone 758-3663
 Address PO Box 238 White Springs FL 32096
 Owners Name Pete Gieberg Phone 752-7968
 911 Address 251 SW Wise Dr.
 Contractors Name John Norris Phone 758-3663
 Address PO Box 238 White Springs
 Fee Simple Owner Name & Address Pete Gieberg PO Box 1324 L.C. FL
 Bonding Co. Name & Address None
 Architect/Engineer Name & Address Freeman
 Mortgage Lenders Name & Address None

Property ID Number 23-45-16-031103-136 Estimated Cost of Construction 56,000.00
 Subdivision Name Wise Estates Lot 6 Block C Unit I Phase _____
 Driving Directions 47 South to 242, turn right & go 1 mile on
right 6th on right

Type of Construction Brick veneer Number of Existing Dwellings on Property 0
 Total Acreage 43 Ac. 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 30.21 Side 40.55 Side 20 30 Rear 100
 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.

Owner Builder or Agent (Including Contractor) Peter W. Norris

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 4th day of Feb 2005.
 Personally known X or Produced Identification _____

Contractor Signature John Norris
 Contractors License Number _____
 Competency Card Number _____
 ELAINE K. TOLAR
 MY COMMISSION # DD 031554
 EXPIRES: October 2, 2005
 Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Elaine K. Tolar
 Notary Signature

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A


Project Name:	St. Johns Model	Builder:	John Norris
Address:	Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136	Permitting Office:	Columbia County
City, State:	Lake City, FL	Permit Number:	22850
Owner:	Peter Giebeig	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: 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	0.0 ft² 177.5 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. Frame, Wood, Exterior	R=13.0, 421.3 ft²	c. Conservation credits	
d. N/A		(HR-Heat recovery, Solar	
e. N/A		DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 1614.7 ft²	(CF-Ceiling fan, CV-Cross ventilation,	
b. N/A		HF-Whole house fan,	
c. N/A		PT-Programmable Thermostat,	
11. Ducts		MZ-C-Multizone cooling,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 53.0 ft	MZ-H-Multizone heating)	
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 21554
Total base points: 25628

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.	
PREPARED BY: <u>W. H. H. H.</u>	BUILDING OFFICIAL: _____	
DATE: <u>11/14/05</u>	DATE: _____	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.		
OWNER/AGENT: _____		
DATE: _____		

SUMMER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, Lake Creek, FL, T #:

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	1608.0	20.04	5800.4	Double, Clear	W	2.0	6.0	30.0	38.52	0.85	981.7
				Double, Clear	SW	1.0	6.0	7.5	40.16	0.96	290.0
				Double, Clear	W	0.3	6.0	15.0	38.52	1.00	576.4
				Double, Clear	NW	1.0	6.0	7.5	25.97	0.97	189.8
				Double, Clear	W	2.0	6.0	15.0	38.52	0.85	490.8
				Double, Clear	E	2.0	7.0	24.0	42.06	0.89	894.3
				Double, Clear	E	2.0	7.0	52.3	42.06	0.89	1947.4
				Double, Clear	E	9.3	8.0	13.2	42.06	0.48	264.4
				Double, Clear	S	2.0	5.0	8.0	35.87	0.72	207.6
				Double, Clear	S	2.0	2.0	5.0	35.87	0.52	93.4
				As-Built Total:				177.5			5935.7
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	17.7	2.40	42.5	Exterior Insulated			20.0	4.10	82.0		
Exterior	20.0	6.10	122.0	Adjacent Insulated			17.7	1.60	28.4		
Base Total:	37.7		164.5	As-Built Total:				37.7	110.4		
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		
	1608.0	10.21	16417.7			1608.0		10.21	16417.7		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, Lake Creek, FL 33411, T #:

BASE				AS-BUILT							
Summer Base Points: 21012.5				Summer As-Built Points: 19082.9							
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	
21012.5		0.4266	8963.9	19082.9		1.00	1.138	0.284	1.000	6174.9	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, Lake Creek, FL, UNIT #:

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	1608.0	12.74	3687.5	Double, Clear	W	2.0	6.0	30.0	20.73	1.04	648.4
				Double, Clear	SW	1.0	6.0	7.5	16.74	1.02	128.1
				Double, Clear	W	0.3	6.0	15.0	20.73	1.00	311.2
				Double, Clear	NW	1.0	6.0	7.5	24.30	1.00	182.2
				Double, Clear	W	2.0	6.0	15.0	20.73	1.04	324.2
				Double, Clear	E	2.0	7.0	24.0	18.79	1.05	471.5
				Double, Clear	E	2.0	7.0	52.3	18.79	1.05	1026.8
				Double, Clear	E	9.3	8.0	13.2	18.79	1.33	330.2
				Double, Clear	S	2.0	5.0	8.0	13.30	1.40	149.0
				Double, Clear	S	2.0	2.0	5.0	13.30	2.73	181.6
				As-Built Total:			177.5			3753.3	
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	R-Value			Area X WPM = Points			
Adjacent	17.7	11.50	203.8	Exterior Insulated				20.0	8.40	168.0	
Exterior	20.0	12.30	246.0	Adjacent Insulated				17.7	8.00	141.8	
Base Total:	37.7		449.8	As-Built Total:			37.7			309.8	
CEILING TYPESArea 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							
	1608.0	-0.59	-948.7	1608.0 -0.59 -948.7							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, Lake City, FL Permit #:

BASE				AS-BUILT							
Winter Base Points: 13430.8				Winter As-Built Points: 14466.7							
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	
13430.8		0.6274	8426.5	14466.7		1.000	(1.069 x 1.169 x 0.93)	0.461	1.000	7747.6	
				14466.7		1.00	1.162	0.461	1.000	7747.6	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, Lake CRYSTAL, PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit Multiplier	= Total
3		2746.00	8238.0	50.0	0.95	3		1.00	2543.66	1.00 7631.0
				As-Built Total:						7631.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
8964		8426		8238 25628	6175		7748		7631 21554

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, Lake City, FL, Tract #:

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* = 85.9

The higher the score, the more efficient the home.

Peter Giebeig, Lot: 6C, Sub: WISE ESTATES, Plat: book 6 pages 133-136, 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 ²)	1608 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 177.5 ft ²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 7.40
c. Tint/other SHGC - single pane	0.0 ft ² 0.0 ft ²	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 ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 160.0 ft ²	DHP-Dedicated heat pump)	
c. Frame, Wood, Exterior	R=13.0, 421.3 ft ²	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 ²	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 EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs Energy Gauge[®] Version: FLRCPB v3.30)*

Residential System Sizing Calculation

Summary

Peter Giebeig
Lake City, FL

Project Title:
St. Johns Model

Code Only
Professional Version
Climate: North

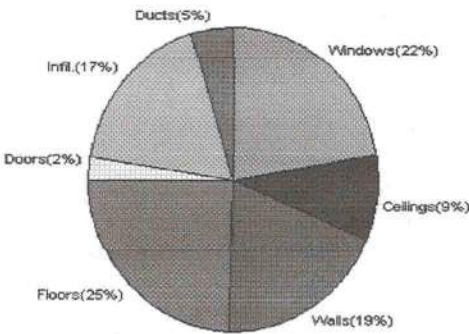
1/14/2005

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
Total heating load calculation		22459	Total cooling load calculation		21911
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	106.9	24000	Sensible (SHR = 0.5)	67.6	12000
Heat Pump + Auxiliary(0.0kW)	106.9	24000	Latent	289.1	12000
			Total (Electric Heat Pump)	109.5	24000

WINTER CALCULATIONS

Winter Heating Load (for 1608 sqft)

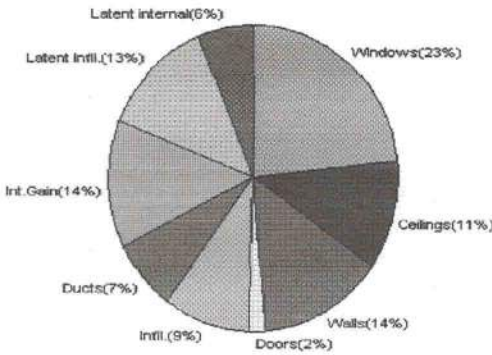
Load component		Load	
Window total	177 sqft	5022	Btuh
Wall total	1461 sqft	4288	Btuh
Door total	38 sqft	533	Btuh
Ceiling total	1615 sqft	2099	Btuh
Floor total	175 ft	5530	Btuh
Infiltration	91 cfm	3917	Btuh
Subtotal		21389	Btuh
Duct loss		1069	Btuh
TOTAL HEAT LOSS		22459	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1608 sqft)

Load component		Load	
Window total	177 sqft	5122	Btuh
Wall total	1461 sqft	3014	Btuh
Door total	38 sqft	471	Btuh
Ceiling total	1615 sqft	2519	Btuh
Floor total		0	Btuh
Infiltration	80 cfm	2021	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		16146	Btuh
Duct gain		1615	Btuh
Total sensible gain		17761	Btuh
Latent gain(infiltration)		2771	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		4151	Btuh
TOTAL HEAT GAIN		21911	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Peter Giebeig

Project Title:
St. Johns Model

Code Only
Professional Version
Climate: North

Lake City, FL

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

1/14/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
2	2, Clear, Metal, DEF	NW	7.5	28.3	212 Btuh
3	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
4	2, Clear, Metal, DEF	NE	7.5	28.3	212 Btuh
5	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
6	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
7	2, Clear, Metal, DEF	S	52.3	28.3	1479 Btuh
8	2, Clear, Metal, DEF	S	13.2	28.3	374 Btuh
9	2, Clear, Metal, DEF	W	8.0	28.3	226 Btuh
10	2, Clear, Metal, DEF	W	5.0	28.3	142 Btuh
Window Total			177		5022 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	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		18	9.4	167 Btuh
Door Total			38		533Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1615	1.3	2099 Btuh
Ceiling Total			1615		2099Btuh
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	21389 Btuh
	Duct Loss(using duct multiplier of 0.05)	1069 Btuh
	Total Btuh Loss	22459 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Peter Giebeig

Project Title:
St. Johns Model

Code Only
Professional Version
Climate: North

1/14/2005

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

Project Title:
St. Johns Model

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 1/14/2005

Window	Type	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	2	6	30.0	0.0	30.0	24	24	720	Btuh
2	2, Clear, DEF, N, N	NW	1	6	7.5	0.0	7.5	24	52	390	Btuh
3	2, Clear, DEF, N, N	N	0.33	6	15.0	0.0	15.0	24	24	360	Btuh
4	2, Clear, DEF, N, N	NE	1	6	7.5	0.0	7.5	24	52	390	Btuh
5	2, Clear, DEF, N, N	N	2	6	15.0	0.0	15.0	24	24	360	Btuh
6	2, Clear, DEF, N, N	S	2	7	24.0	24.0	0.0	24	39	576	Btuh
7	2, Clear, DEF, N, N	S	2	7	52.3	52.3	0.0	24	39	1254	Btuh
8	2, Clear, DEF, N, N	S	9.33	8	13.2	13.2	0.0	24	39	317	Btuh
9	2, Clear, DEF, N, N	W	2	5	8.0	0.0	8.0	24	74	592	Btuh
10	2, Clear, DEF, N, N	W	2	2	5.0	4.1	0.9	24	74	163	Btuh
Window Total					177					5122 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	R-Value		Area			HTM		Load		
1	Insulated - Exter			20.0			12.5		250 Btuh		
2	Insulated - Adjac			17.7			12.5		221 Btuh		
Door Total						37.7			471 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 Model

Code Only
Professional Version
Climate: North

1/14/2005

Totals for Cooling	Subtotal	16146 Btuh
	Duct gain(using duct multiplier of 0.10)	1615 Btuh
	Total sensible gain	17761 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	21911 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 Building Department
Culvert Permit**

**Culvert Permit No.
000000556**

DATE 02/28/2005 PARCEL ID # 23-4S-16-03113-136
APPLICANT JOHN NORRIS PHONE 758-3663
ADDRESS P.O. BOX 238 WHITE SPINGS FL 32096
OWNER PETE GIEBEIG PHONE 752-7968
ADDRESS 251 SW WISE DRIVE LAKE CITY FL 32055
CONTRACTOR JOHN NORRIS PHONE 758-3663
LOCATION OF PROPERTY 47S, TR ON 242, TR ON WISE DRIVE, 6TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WISE ESTATES 6

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



Norris - Greberg Wise Est Lot 6

① ~~Porch post details~~

② ~~Energy codes & Manual J~~
~~wrong sq. ft.~~

③ ~~Shingle spec~~

④ ~~Garage door specs~~

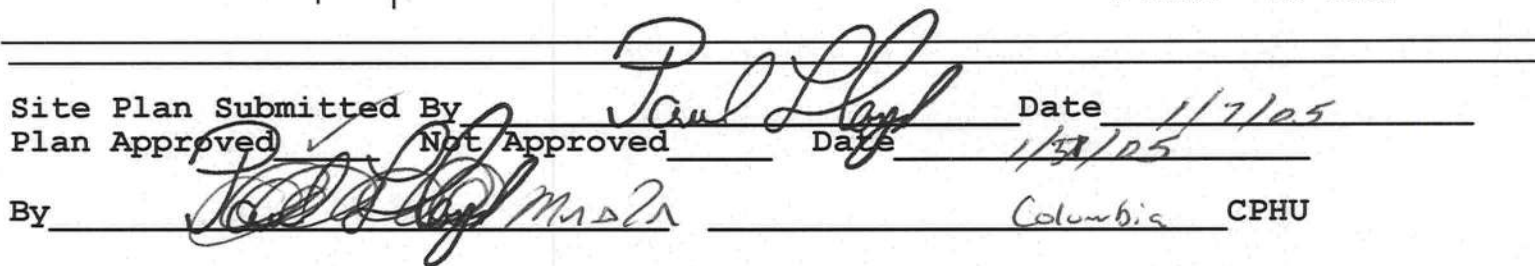
Floor Area 1560 sq. ft. - Heated

2262 sq. ft. - TOTAL

6/12 Roof Pitch

Permit Application Number: 05-0075

GIEBEIG/CR 04-2522



Notes: _____

NOTICE OF COMMENCEMENT

Inst:2005001020 Date:01/14/2005 Time:12:01

MK DC, P. DeWitt Cason, Columbia County B:1035 P:1724

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 6 Block C Wise Estates
251 SW Wise Drive Lake City, FL. 32025
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 Statues.
N/A
8. In addition to himself, the Owner designates the following person to recieve a copy of the Lienor's Notice as provided in 713.13 (1)(b), Florida Statues (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

Elaine H. Jolar
Witness #1 Elaine H. Jolar

Margaret Bayley
Witness #2 Margaret Bayley



Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
650 West Market Street
Gratz, Pennsylvania 17030-0370

Report No: 01-41045.01
Test Date: 03/04/02
And: 03/05/02
And: 03/21/02
Report Date: 04/19/02
Expiration Date: 03/21/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness tests on three Series/Model BB165/744/740, aluminum picture windows with fin at their test facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: F-R45 71 x 71; Test Specimen #2: F-R45 59 x 72; Test Specimen #3: F-R45* 47 x 47.

General Note: An asterisk (*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: BB165/744/740

Type: Aluminum Picture Window with Fin

Test Specimen #1: F-R45 71 x 71

Overall Size: 5' 11-1/4" wide by 5' 11-1/4" high

Daylight Opening Size: 5' 9" wide by 5' 9-1/8" high

Glass Type: Single sheet 1/8" tempered.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen M. Roman
19 APRIL 2002

Test Specimen Description: (Continued)

Test Specimen #2: F-R45 59 x 72

Overall Size: 4' 1/4" wide by 6' 0" high

Daylight Opening Size: 4' 10-1/8" wide by 5' 9-1/8" high

Glass Type: 7/8" insulated utilizing two sheets of 3/16" clear annealed.

Test Specimen #3: F-R45* 47 x 47

Overall Size: 3' 1/4" wide by 3' 11-1/4" high

Daylight Opening Size: 3' 9-1/4" wide by 3' 9-1/4" high

Glass Type: 7/8" insulated utilizing two sheets of 3/16" clear annealed.

The following descriptions apply to all specimens.

Finish: All aluminum was painted white.

Glazing Details: The units were interior glazed against double-sided adhesive foam tape and secured with aluminum glazing beads that were secured with #8 x 3/4" screws placed 8" on center.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.170" high by 0.187" backed polypile with center fin	1 Row	Glazing beads

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 5/8" screws through the head and sill into each jamb screw boss.

Reinforcement: No reinforcement was utilized.

Installation: The test specimens were installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck. The nailing fin was set against a polyurethane bedding and secured 12" on center using 1-5/8" drywall screws.

Allen M. Reimer
19 APRIL 2002

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u> F-R45 71 x 71			
2.1.2	Air Infiltration (ASTM E 283-99) @ 1.57 psf (25 mph)	0.08 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.</i>			
	Water Resistance (ASTM E 547-00) WTP = 2.86 psf	No leakage	No leakage
2.1.4.	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds)		
	@ 32.6 psf (positive)	0.01"	0.38" max.
	@ 41.9 psf (negative)	0.02"	0.38" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds)		
	@ 48.9 psf (positive)	0.00"	0.27" max
	@ 62.8 psf (negative)	0.00"	0.27" max
	Forced Entry Resistance (ASTM F 588-97)		
	Type: D Grade: 10		
	Hand and Tool Manipulation Test	No entry	No entry

Allen M. Remond
19 APR 11 7:07

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1: F-R45 71 x 71 (Continued)</u>			
<u>Optional Performance</u>			
4.3	Water Resistance (ASTM E 547-00) WTP = 8.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds) @ 45.0 psf (positive) @ 47.2 psf (negative)	0.01" 0.02"	0.38" max 0.38" max
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 67.5 psf (positive) @ 70.8 psf (negative)	0.01" 0.01"	0.27" max. 0.27" max.

Test Specimen #2: F-R45 59 x 72

Optional Performance

4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds) @ 45.0 psf (positive) @ 47.2 psf (negative)	0.05" 0.03"	0.38" max 0.38" max
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds) @ 67.5 psf (positive) @ 70.8 psf (negative)	0.02" 0.03"	0.27" max. 0.27" max.

Allen H. Reiman
19 APR 11

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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Test Specimen #3: F-R45* 47 x 47

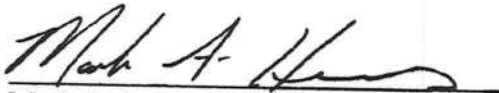
Optional Performance

Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 33 seconds)		
@ 45.0 psf (positive)	0.07"	0.23" max.
@ 47.2 psf (negative)	0.06"	0.23" max.

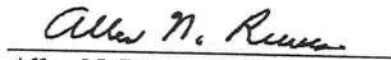
Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the jamb) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.02"	0.16" max.
@ 70.8 psf (negative)	0.01"	0.16" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess
Technician

MAH:nlb
01-41045.01


Allen N. Reeves, P.E.
Director - Engineering Services
19 APRIL 2002



BRITT SURVEYING

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

22850

Land Surveyors
and Mappers

03/02/05

L-15714A

To Whom It May Concern:

C/o: Trent Giebeig

Re: Lot 6 Block C of Wise Estates

The elevation of the foundation is found to be 98.23 feet. The minimum floor elevation shown on the plat of record is 97.00 feet. The highest adjacent grade is 97.18 feet and the lowest adjacent grade is 96.95 feet. The elevations shown hereon are based on NGVD 29 datum.

L. Scott Britt
PLS #5757

COLUMBIA COUNTY FLORIDA

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-16-03113-136

Building permit No. 000022850

Use Classification SFD, UTILITY

Fire: 5.67

Permit Holder JOHN NORRIS

Waste: 12.25

Owner of Building PETE GIEBEIG

Total: 17.92

Location: 251 SW WISE DRIVE(WISE EST., LOT 6)

Date: 08/08/2005



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

11352

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)
Address: 536 22 Bay A Dr.
City Lake City Phone (386) 782-0703

Site Location: Subdivision Wise Estates
Lot # 6C Block# 28850 Permit # 28850
Address 251 50 Wise Est. Lake City

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>Driveway porch FEB porch</u>	<u>269</u>	<u>—</u>	<u>30</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </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 06-21-05 Time 1030 Print Technician's Name R.D. Crawford

Remarks: _____

Notice of Treatment				
Applicator	Florida Pest Control & Chemical Co. 11352			
Address	Bay Ave			
City	L.C.		Phone 7521703	
Site Location	Subdivision Whse Estates			
Lot#	66	Block#	Permit# 22850	
Address	251 SW WISE DR			
AREAS TREATED				
Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	3/8/05	0900	307	FZ54
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron				
Out Building				
Tub Trap/s				
(Other)				
Name of Product Applied	DURSBOND TC			0.05 %
Remarks	Pierches to be done later			
Applicator - White • Permit File - Canary • Permit Holder - Pink				