

DATE 11/05/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022466

APPLICANT JOHN NORRIS PHONE 758-3663
ADDRESS P.O. BOX 238 WHITE SPRINGS FL 32096
OWNER PETE GIEBEIG PHONE 752-7968
ADDRESS 173 SW WISE DRIVE LAKE CITY FL 32055
CONTRACTOR JOHN NORRIS PHONE 758-3663
LOCATION OF PROPERTY 47S, TR ON 242, TR ON WISE DRIVE, 3RD LOT ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 94350.00
HEATED FLOOR AREA 1887.00 TOTAL AREA 2642.00 HEIGHT .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-16-03113-133 SUBDIVISION WISE ESTATES
LOT 3 BLOCK PHASE UNIT TOTAL ACRES .50

00000442 N RG0066597
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT PERMIT 04-0975-N BK JK Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MINIMUM 1ST FLOOR ELEVATION TO BE 99.3 PER PLAT/ELEVATION CERTIFICATION

REQUIRED FOR POWER

noc on file

Check # or Cash 3217

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 \$ 475.00 CERTIFICATION FEE \$ 13.21 SURCHARGE FEE \$ 13.21
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ WASTE FEE \$
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 576.42

INSPECTORS OFFICE *Free Ted* CLERKS OFFICE *CH*

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 # 0410-54 Date Received 10/22/04 By GP Permit # 442/22466
 Application Approved by - Zoning Official BLK Date 03.11.04 Plans Examiner _____ Date _____
 Flood Zone X per plot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. In Dev.
 Comments Minimum 1st Floor elevation to be 99.3' per plot elevation cert. & note Required

Applicants Name Jackie Norris Phone 758-3663
 Address P.O. Box 238 White Springs Fl. 32096
 Owners Name Pete Gieberg Phone ~~758-3663~~ 752-7968
 911 Address 173 SW Wise Drive
 Contractors Name John Norris Phone 758-3663
 Address P.O. Box 238 White Springs Fl. 32096
 Fee Simple Owner Name & Address Pete Gieberg PO Box 1384 Lake City Fl 32056
 Bonding Co. Name & Address None
 Architect/Engineer Name & Address Freeman
 Mortgage Lenders Name & Address None

Property ID Number 23-45-16 03113-133 Estimated Cost of Construction 69,000.00
 Subdivision Name Wise Estates Lot 34 Block C Unit - Phase I
 Driving Directions Go 47 S to 242; Turn right sub is on the right.

Type of Construction Brick veneer Number of Existing Dwellings on Property 0
 Total Acreage 5.43 Acres Lot Size 1/2 Ac. Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 25' Side 35' Side 35' Rear 65'
 Total Building Height 18' Number of Stories 1 Heated Floor Area 1950 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.

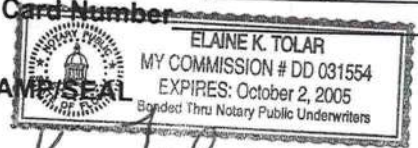
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Pete Gieberg
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 20th day of October 2004.
 Personally known X or Produced Identification _____

John D Norris
 Contractor Signature
 Contractors License Number AG 0066597
 Competency Card Number _____
 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 II	Builder:	John Norris
Address:	Lot: 3, Sub: Wise Estates, Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL 32055-	Permit Number:	22466
Owner:	Pete 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: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1887 ft²	13. Heating systems	
7. Glass area & type	Single Pane Double Pane	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
a. Clear glass, default U-factor	0.0 ft² 135.0 ft²		HSPF: 6.80
b. Default tint	0.0 ft² 0.0 ft²	b. N/A	
c. Labeled U or SHGC	0.0 ft² 0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 173.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Face Brick, Wood, Exterior	R=13.0, 1384.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 168.0 ft²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1887.0 ft²	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, 61.0 ft		
b. N/A			

Glass/Floor Area: 0.07

Total as-built points: 27096
Total base points: 31719

PASS

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

PREPARED BY: William H. Freeman

DATE: 9/30/04

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: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

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	1887.0	20.04	6806.8	Double, Clear	W	2.0	6.0	30.0	38.52	0.85	981.7
				Double, Clear	W	2.0	6.0	20.0	38.52	0.85	654.4
				Double, Clear	W	2.0	6.0	30.0	38.52	0.85	981.7
				Double, Clear	E	2.0	7.0	24.0	42.06	0.89	894.3
				Double, Clear	E	2.0	6.3	20.0	42.06	0.86	725.2
				Double, Clear	S	2.0	4.0	6.0	35.87	0.66	142.0
				Double, Clear	S	2.0	2.0	5.0	35.87	0.52	93.4
				As-Built Total:			135.0			4472.6	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	168.0	0.70	117.6	Face Brick, Wood, Exterior	13.0		1384.0	0.35		484.4	
Exterior	1384.0	1.70	2352.8	Frame, Wood, Adjacent	13.0		168.0	0.60		100.8	
Base Total: 1552.0 2470.4				As-Built Total:			1552.0			585.2	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	16.7	2.40	40.0	Exterior Insulated				40.0	4.10		164.0
Exterior	73.3	6.10	447.4	Exterior Insulated				33.3	4.10		136.7
				Adjacent Insulated				16.7	1.60		26.7
Base Total: 90.0 487.4				As-Built Total:			90.0			327.4	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1887.0	1.73	3264.5	Under Attic	30.0		1887.0	1.73 X 1.00		3264.5	
Base Total: 1887.0 3264.5				As-Built Total:			1887.0			3264.5	
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	173.0(p)	-37.0	-6401.0	Slab-On-Grade Edge Insulation	0.0		173.0(p)	-41.20		-7127.6	
Raised	0.0	0.00	0.0								
Base Total: -6401.0				As-Built Total:			173.0			-7127.6	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1887.0 10.21 19266.3				1887.0 10.21 19266.3							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 25894.4				Summer As-Built Points: 20788.4							
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
25894.4		0.4266	11046.6	20788.4		1.000	(1.090 x 1.147 x 0.91)	0.341	1.000		8072.1
				20788.4		1.00	1.138	0.341	1.000		8072.1

WINTER CALCULATIONS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

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	1887.0	12.74	4327.3	Double, Clear	W	2.0	6.0	30.0	20.73	1.04	648.4
				Double, Clear	W	2.0	6.0	20.0	20.73	1.04	432.3
				Double, Clear	W	2.0	6.0	30.0	20.73	1.04	648.4
				Double, Clear	E	2.0	7.0	24.0	18.79	1.05	471.5
				Double, Clear	E	2.0	6.3	20.0	18.79	1.05	396.5
				Double, Clear	S	2.0	4.0	6.0	13.30	1.64	130.8
				Double, Clear	S	2.0	2.0	5.0	13.30	2.73	181.6
				As-Built Total:					135.0	2909.6	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	168.0	3.60	604.8	Face Brick, Wood, Exterior	13.0			1384.0	3.17	4394.2	
Exterior	1384.0	3.70	5120.8	Frame, Wood, Adjacent	13.0			168.0	3.30	554.4	
Base Total: 1552.0 5725.6				As-Built Total:					1552.0	4948.6	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	16.7	11.50	191.7	Exterior Insulated				40.0	8.40	336.0	
Exterior	73.3	12.30	902.2	Exterior Insulated				33.3	8.40	280.1	
				Adjacent Insulated				16.7	8.00	133.4	
Base Total: 90.0 1093.9				As-Built Total:					90.0	749.5	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1887.0	2.05	3868.3	Under Attic	30.0			1887.0	2.05 X 1.00	3868.3	
Base Total: 1887.0 3868.3				As-Built Total:					1887.0	3868.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	173.0(p)	8.9	1539.7	Slab-On-Grade Edge Insulation	0.0			173.0(p)	18.80	3252.4	
Raised	0.0	0.00	0.0								
Base Total: 1539.7				As-Built Total:					173.0	3252.4	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1887.0 -0.59 -1113.3				1887.0 -0.59 -1113.3							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		15441.5		Winter As-Built Points:				14615.1			
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	
15441.5		0.6274	9688.0	14615.1		1.000	(1.069 x 1.169 x 0.93)	0.501	1.000	8517.7	
				14615.1		1.00	1.162	0.501	1.000	8517.7	

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

ADDRESS: Lot: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

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
4		2746.00		10984.0	50.0	0.92	4		1.00	2626.61 1.00 10506.4
					As-Built Total:					10506.4

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
11047		9688		10984 31719	8072		8518		10506 27096

PASS



Code Compliance Checklist
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

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* = 85.3

The higher the score, the more efficient the home.

Pete Giebeig, Lot: 3, Sub: Wise Estates, Plat: , Lake City, FL, 32055-

1. New construction or existing	New	—	12. Cooling systems	
2. Single family or multi-family	Single family	—	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1	—		SEER: 10.00
4. Number of Bedrooms	4	—	b. N/A	—
5. Is this a worst case?	Yes	—	c. N/A	—
6. Conditioned floor area (ft ²)	1887 ft ²	—	13. Heating systems	
7. Glass area & type	Single Pane	Double Pane	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
a. Clear - single pane	0.0 ft ²	135.0 ft ²		HSPF: 6.80
b. Clear - double pane	0.0 ft ²	0.0 ft ²	b. N/A	—
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²	c. N/A	—
d. Tint/other SHGC - double pane			14. Hot water systems	
8. Floor types			a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 173.0(p) ft	—		EF: 0.92
b. N/A	—	—	b. N/A	—
c. N/A	—	—	c. Conservation credits	—
9. Wall types			(HR-Heat recovery, Solar	—
a. Face Brick, Wood, Exterior	R=13.0, 1384.0 ft ²	—	DHP-Dedicated heat pump)	—
b. Frame, Wood, Adjacent	R=13.0, 168.0 ft ²	—	15. HVAC credits	—
c. N/A	—	—	(CF-Ceiling fan, CV-Cross ventilation,	—
d. N/A	—	—	HF-Whole house fan,	—
e. N/A	—	—	PT-Programmable Thermostat,	—
10. Ceiling types			MZ-C-Multizone cooling,	—
a. Under Attic	R=30.0, 1887.0 ft ²	—	MZ-H-Multizone heating)	—
b. N/A	—	—		
c. N/A	—	—		
11. Ducts				
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 61.0 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 Rater: _____ Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Pete Giebeig

Project Title:
St. Johns Model II

Code Only
Professional Version
Climate: North

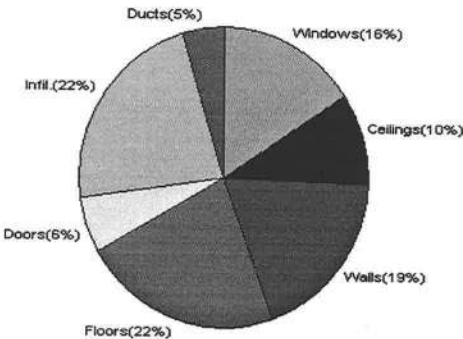
9/30/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	24369 Btuh	Total cooling load calculation	21826 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	123.1 30000	Sensible (SHR = 0.5)	92.8 15000
Heat Pump + Auxiliary(0.0kW)	123.1 30000	Latent	264.8 15000
		Total (Electric Heat Pump)	137.4 30000

WINTER CALCULATIONS

Winter Heating Load (for 1887 sqft)

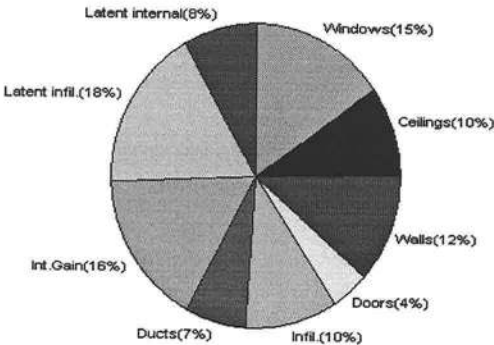
Load component		Load	
Window total	135 sqft	3821	Btuh
Wall total	1552 sqft	4559	Btuh
Door total	90 sqft	1501	Btuh
Ceiling total	1887 sqft	2453	Btuh
Floor total	173 ft	5467	Btuh
Infiltration	126 cfm	5408	Btuh
Subtotal		23208	Btuh
Duct loss		1160	Btuh
TOTAL HEAT LOSS		24369	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1887 sqft)

Load component		Load	
Window total	135 sqft	3299	Btuh
Wall total	1552 sqft	2583	Btuh
Door total	90 sqft	913	Btuh
Ceiling total	1887 sqft	2113	Btuh
Floor total		0	Btuh
Infiltration	110 cfm	2184	Btuh
Internal gain		3600	Btuh
Subtotal(sensible)		14692	Btuh
Duct gain		1469	Btuh
Total sensible gain		16161	Btuh
Latent gain(infiltration)		3825	Btuh
Latent gain(internal)		1840	Btuh
Total latent gain		5665	Btuh
TOTAL HEAT GAIN		21826	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: William H. Lee

DATE: 9/30/04

System Sizing Calculations - Winter

Residential Load - Component Details

Pete Giebeig

Project Title:
St. Johns Model II

Code Only
Professional Version
Climate: North

Lake City, FL 32055-

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

9/30/2004

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	N	20.0	28.3	566 Btuh
3	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
4	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
5	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
6	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
7	2, Clear, Metal, DEF	W	5.0	28.3	142 Btuh
Window Total			135		3821 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1384	3.1	4290 Btuh
2	Frame - Adjacent	13.0	168	1.6	269 Btuh
Wall Total			1552		4559 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		40	18.3	733 Btuh
2	Insulated - Exter		33	18.3	611 Btuh
3	Insulated - Adjac		17	9.4	157 Btuh
Door Total			90		1501Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1887	1.3	2453 Btuh
Ceiling Total			1887		2453Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	173.0 ft(p)	31.6	5467 Btuh
Floor Total			173		5467 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18870(sqft)	126	5408 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				126	5408 Btuh

Totals for Heating	Subtotal	23208 Btuh
	Duct Loss(using duct multiplier of 0.05)	1160 Btuh
	Total Btuh Loss	24369 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Pete Giebeig

Project Title:
St. Johns Model II

Code Only
Professional Version
Climate: North

Lake City, FL 32055-

Reference City: Gainesville (Defaults) Summer Temperature Difference: 18.0 F

9/30/2004

Window	Type	Overhang		Window Area(sqft)			HTM		Load			
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, DEF, N, N	N	2	6	30.0	0.0	30.0	22	22	660	Btuh	
2	2, Clear, DEF, N, N	N	2	6	20.0	0.0	20.0	22	22	440	Btuh	
3	2, Clear, DEF, N, N	N	2	6	30.0	0.0	30.0	22	22	660	Btuh	
4	2, Clear, DEF, N, N	S	2	7	24.0	24.0	0.0	22	37	528	Btuh	
5	2, Clear, DEF, N, N	S	2	6.33	20.0	20.0	0.0	22	37	440	Btuh	
6	2, Clear, DEF, N, N	W	2	4	6.0	0.3	5.7	22	72	419	Btuh	
7	2, Clear, DEF, N, N	W	2	2	5.0	4.1	0.9	22	72	153	Btuh	
Window Total					135					3299	Btuh	
Walls	Type	R-Value			Area			HTM		Load		
1	Frame - Exterior	13.0			1384.0			1.7		2408		Btuh
2	Frame - Adjacent	13.0			168.0			1.0		175		Btuh
Wall Total					1552.0					2583	Btuh	
Doors	Type				Area			HTM		Load		
1	Insulated - Exter				40.0			10.1		406		Btuh
2	Insulated - Exter				33.4			10.1		338		Btuh
3	Insulated - Adjac				16.7			10.1		169		Btuh
Door Total					90.0					913	Btuh	
Ceilings	Type/Color	R-Value			Area			HTM		Load		
1	Under Attic/Light	30.0			1887.0			1.1		2113		Btuh
Ceiling Total					1887.0					2113	Btuh	
Floors	Type	R-Value			Size			HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0			173.0 ft(p)			0.0		0		Btuh
Floor Total					173.0					0	Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			18870			110.3		2184		Btuh
	Mechanical							0		0		Btuh
Infiltration Total								110		2184		Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load
	8	X	300	+	1200	3600 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pete Giebeig
Lake City, FL 32055-

Project Title:
St. Johns Model II

Code Only
Professional Version
Climate: North

9/30/2004

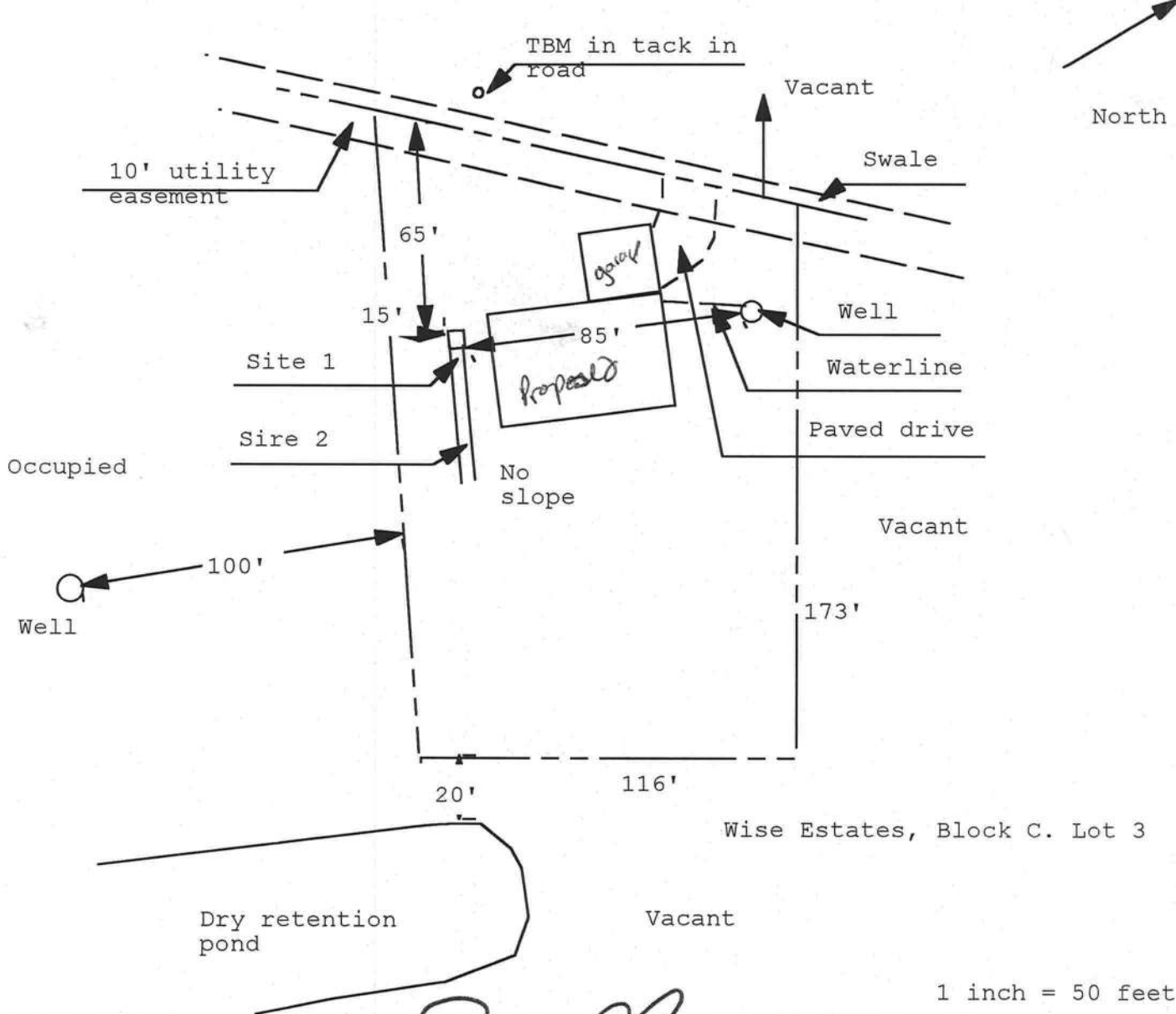
Totals for Cooling	Subtotal	14692 Btuh
	Duct gain(using duct multiplier of 0.10)	1469 Btuh
	Total sensible gain	16161 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3825 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	21826 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)

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
Permit Application Number: 04-0975N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 04-2335



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 9/24/04
Plan Approved Not Approved Date 9/24/04
By Paul Lloyd Mrs. J. J. CPHU
Notes: _____

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000442**

DATE 11/05/2004 PARCEL ID # 23-4S-16-03113-133
APPLICANT JOHN NORRIS PHONE 758-3663
ADDRESS P.O. BOX 238 WHITE SPRINGS FL 32096
OWNER PETE GIEBEIG PHONE 752-7968
ADDRESS 173 SW WISE DRIVE LAKE CITY FL 32055
CONTRACTOR JOHN NORRIS PHONE 758-3663
LOCATION OF PROPERTY 47S, TR ON 242, TR ON WISE DRIVE, 3RD LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT WISE ESTATES 3

SIGNATURE *John D Norris*

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 INSTALLATION 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

Inst:2004023326 Date:10/18/2004 Time:15:19
MK DC,P.DeWitt Cason,Columbia County B:1028 P:993

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 #3 Block C Wise Estates
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

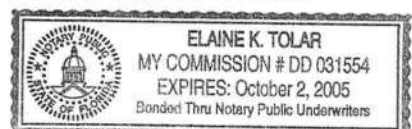
Kimberly Wynne
Witness #1
Kimberly Wynne

Margaret Basley
Witness #2
margaret Basley

Sworn to and subscribed before me by the
Owner (s) on this 15th day of Oct 2004

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



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-16-03113-133

Building permit No. 000022466

Use Classification SFD, UTILITY

Fire: 34.02

Permit Holder JOHN NORRIS

Waste: 73.50

Owner of Building PETE GIEBEIG

Total: 107.52

Location: 173 SW WISE DR (WISE EST, LOT 3)

Date: 03/02/2005



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION		For Insurance Company Use:
BUILDING OWNER'S NAME Peter W. Giebeig		Policy Number
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.		Company NAIC Number

CITY Lake city	STATE FL	ZIP CODE 32024
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PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 3 Block C of Wise Estates

BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)
Residential

LATITUDE/LONGITUDE (OPTIONAL) (##°-##'-###" or ###.###")	HORIZONTAL DATUM: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983	SOURCE: <input type="checkbox"/> GPS (Type): <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Other:
---	--	--

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER 120070 Columbia	B2. COUNTY NAME Columbia	B3. STATE FL
---	-----------------------------	-----------------

B4. MAP AND PANEL NUMBER 120070 0175	B5. SUFFIX B	B6. FIRM INDEX DATE 6 Jan 1988	B7. FIRM PANEL EFFECTIVE/REVISED DATE 6 JAN 1988	B8. FLOOD ZONE(S) X	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding) 99.3
---	-----------------	-----------------------------------	---	------------------------	---

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.

☐ FIS Profile ☐ FIRM ☐ Community Determined ☒ Other (Describe): Arthur N. Bedenbaugh PE #9062

B11. Indicate the elevation datum used for the BFE in B9: ☒ NGVD 1929

☐ NAVD 1988 ☐ Other (Describe):

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No Designation Date

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☒ Building Under Construction* ☐ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO

Complete Items C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.

Datum 29 Conversion/Comments N/A

Elevation reference mark used N/A Does the elevation reference mark used appear on the FIRM? ☐ Yes ☒ No

- a) Top of bottom floor (including basement or enclosure) 99.49 ft.(m)
- b) Top of next higher floor N. A ft.(m)
- c) Bottom of lowest horizontal structural member (V zones only) N. A ft.(m)
- d) Attached garage (top of slab) N. A ft.(m)
- e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area) N. A ft.(m)
- f) Lowest adjacent (finished) grade (LAG) 97.3 ft.(m)
- g) Highest adjacent (finished) grade (HAG) 98.5 ft.(m)
- h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade N/A
- i) Total area of all permanent openings (flood vents) in C3.h N/A sq. in. (sq. cm)

License Number, Embossed Seal, Signature, and Date

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information.

I certify that the information in Sections A, B, and C on this certificate represents my best efforts to interpret the data available.

I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

CERTIFIER'S NAME L. Scott Britt

LICENSE NUMBER PLS #5757

TITLE Chief Surveyor	COMPANY NAME Britt Surveying
----------------------	------------------------------

ADDRESS 830 W Duval St.	CITY Lake City	STATE FL	ZIP CODE 32055
SIGNATURE 	DATE 11/18/04	TELEPHONE 386-752-7163	

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
BUILDING-STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.			Policy Number
CITY Lake City	STATE FL	ZIP CODE 32024	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

COMMENTS

Building foundation under construction.

L-15541

☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zone AO and Zone A (without BFE), complete Items E1 through E4. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

E1. Building Diagram Number __ (Select the building diagram most similar to the building for which this certificate is being completed – see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

E2. The top of the bottom floor (including basement or enclosure) of the building is __ ft.(m) __ in.(cm) ☐ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is __ ft.(m) __ in.(cm) above the highest adjacent grade. Complete items C3.h and C3.i on front of form.

E4. The top of the platform of machinery and/or equipment servicing the building is __ ft.(m) __ in.(cm) ☐ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E5. For Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?
☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, C (Items C3.h and C3.i only), and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, C, and E are correct to the best of my knowledge.

PROPERTY OWNER'S OR OWNER'S AUTHORIZED REPRESENTATIVE'S NAME

ADDRESS

CITY

STATE

ZIP CODE

SIGNATURE

DATE

TELEPHONE

COMMENTS

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below.

G1. ☐ The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. PERMIT NUMBER	G5. DATE PERMIT ISSUED	G6. DATE CERTIFICATE OF COMPLIANCE/OCCUPANCY ISSUED
-------------------	------------------------	---

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building is:

_____. ft.(m)

Datum: _____

G9. BFE or (in Zone AO) depth of flooding at the building site is:

_____. ft.(m)

Datum: _____

LOCAL OFFICIAL'S NAME

TITLE

COMMUNITY NAME

TELEPHONE

SIGNATURE

DATE

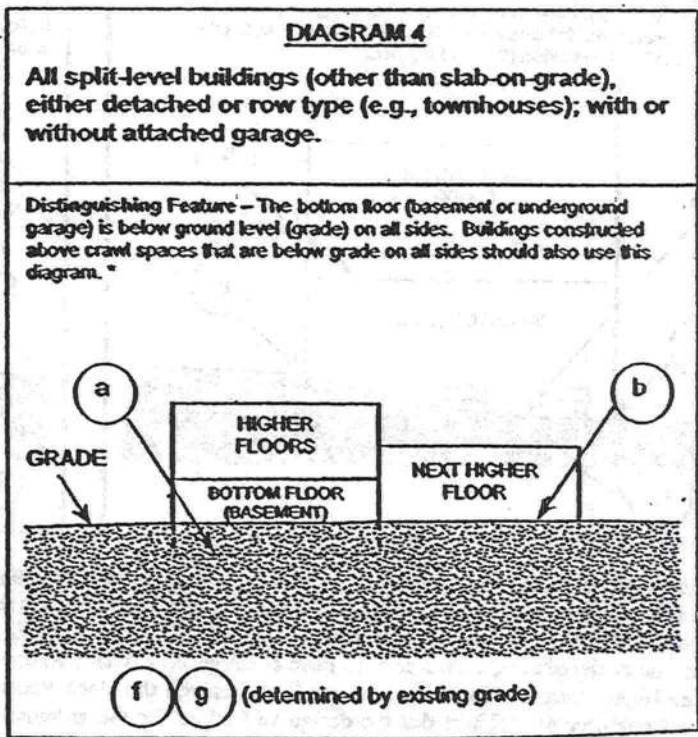
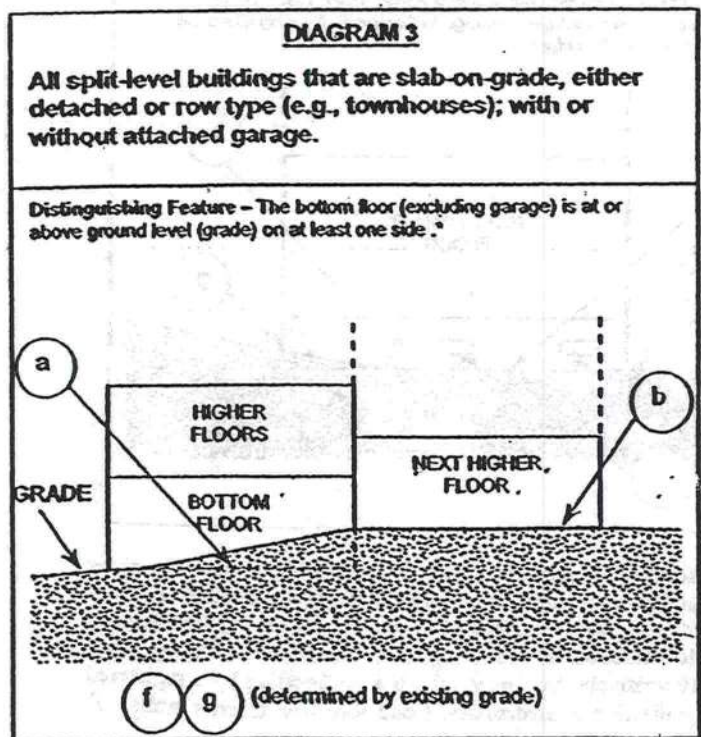
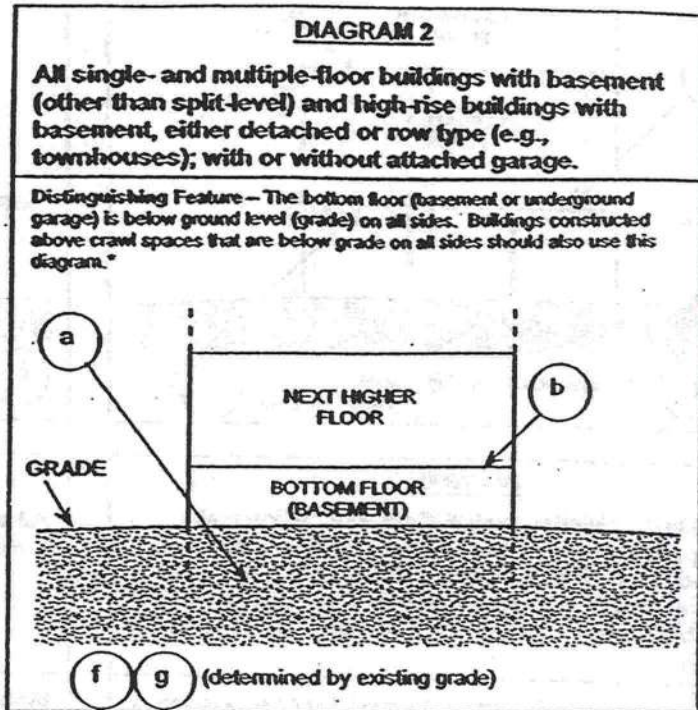
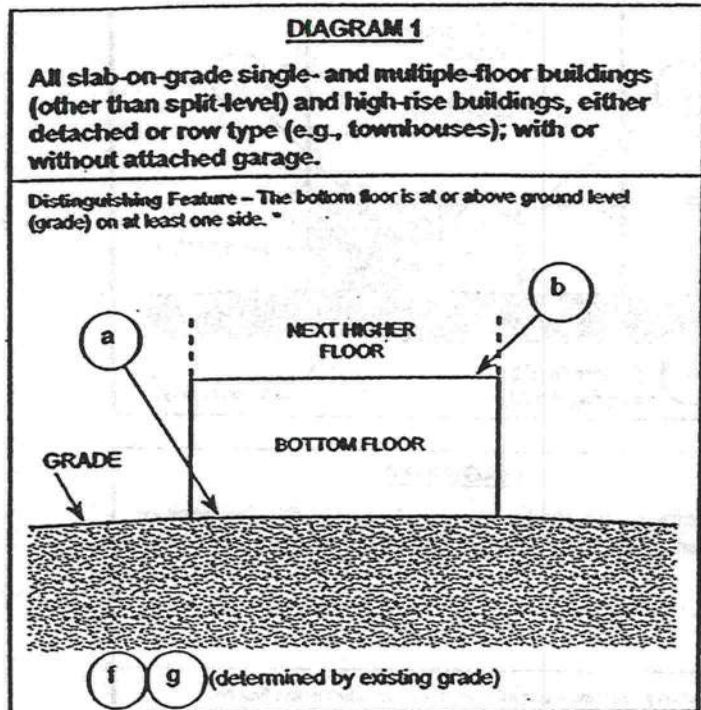
COMMENTS

☐ Check here if attachments

BUILDING DIAGRAMS

The following eight diagrams illustrate various types of buildings. Compare the features of the building being certified with the features shown in the diagrams and select the diagram most applicable. Enter the diagram number in Item C2 and the elevations in Items C3a-C3g.

In A zones, the floor elevation is taken at the top finished surface of the floor indicated; in V zones, the floor elevation is taken at the bottom of the lowest horizontal structural member (see drawing in instructions for Section C).



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

Notice of Treatment

Applicator Florida Pest Control & Chemical Co.

Address 536 SE BAY A DR.

City Lake City Phone (386) 752-1703

Site Location Subdivision Wise Estates

Lot# 3C Block# 22466 Permit# 22466

Address _____

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	11-19-04	7:25	420	TC Crawford
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 Dursban TC .05%

Remarks _____