

TE 21/2004

## Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000021764

APPLICANT LAVONE COX PHONE 755-7200  
ADDRESS 456 SE ERMINE AVE., STE 101 LAKE CITY FL 32025  
OWNER VITALY TONKACH PHONE 816 243-3125  
ADDRESS 142 NW BATTLEHILL LANE LAKE CITY FL 32055  
CONTRACTOR JAMES COX PHONE \_\_\_\_\_

LOCATION OF PROPERTY 90W, TR ON TURNER ROAD, TL ON BATTLEHILL ROAD,  
2ND ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 66500.00

HEATED FLOOR AREA 1330.00 TOTAL AREA 1402.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 14

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 28-3S-16-02365-104 SUBDIVISION HAMLET

LOT 4 BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES .50

00000282 N RR0066502 Lavonne Cox  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
PERMIT 04-0435-N BK RJ Y  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE ROAD, NOC ON FILE

Check # or Cash 8067

## FOR BUILDING &amp; 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 \$ 335.00 CERTIFICATION FEE \$ 7.01 SURCHARGE FEE \$ 7.01

MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_

FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ 25.00 TOTAL FEE 424.02

INSPECTORS OFFICE [Signature] CLERKS OFFICE CX

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

For Office Use Only Application # 0404-47 Date Received 4/14/04 By TW Permit # 282/21764  
 Application Approved by - Zoning Official BLK Date 20.04.04 Plans Examiner \_\_\_\_\_ Date \_\_\_\_\_  
 Flood Zone X per plat Development Permit N/A Zoning R3F-2 Land Use Plan Map Category RES. Low Den.  
 Comments \_\_\_\_\_

Applicants Name C&S Construction Phone 386-755-7200  
 Address 456 SE Ermie Ave. Ste 101 Lake City Fl. 32025  
 Owners Name Vitaly Ironkach Phone 1-816-243-3125  
 911 Address 142 NW Battle Hill Lane Lake City Fl. 32055  
 Contractors Name James R. Cox Phone 386-755-7200  
 Address 456 SE Ermie Ave. Ste 101 Lake City Fl. 32025  
 Fee Simple Owner Name & Address Vitaly Ironkach 142 NW Battle Hill Lane - LC 32055  
 Bonding Co. Name & Address N/A  
 Architect/Engineer Name & Address Nick Geisler - 386-755-9021  
 Mortgage Lenders Name & Address \_\_\_\_\_

Property ID Number 28-3S-16-02365-104 Estimated Cost of Construction 62,000.00  
 Subdivision Name Oak Hamlet S/D Lot 4 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
 Driving Directions Take Hwy 90 West, Turn Right on Turner Rd. Turn left on Battle Hill Rd, Second on left.

Type of Construction Residential dwelling Number of Existing Dwellings on Property none  
 Total Acreage .50 Lot Size 180x127 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 30' Side 43' Side 43' Rear 115.9'  
 Total Building Height 14' Number of Stories One Heated Floor Area 1323 Roof Pitch 5/12

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.

James R. Cox  
 Owner Builder or Agent (Including Contractor)

James R. Cox  
 Contractor Signature  
 Contractors License Number RR 0066502  
 Competency Card Number \_\_\_\_\_

STATE OF FLORIDA  
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
 this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.  
 Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

NOTARY STAMP/SEAL

Notary Signature \_\_\_\_\_

## NOTICE OF COMMENCEMENT

Inst: 2004008245 Date: 04/13/2004 Time: 16:12  
MK DC, P. DeWitt Cason, Columbia County B: 1012 P: 794STATE OF FLORIDA  
COUNTY OF SUWANNEE

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 Oak Hamlet S/D
2. General Description of Improvement: Residential Construction
3. Owner Information:
  - a. Name and Address: Vitaly Tovkach P.O. Box 3413  
On the Kansas 66063
  - b. Interest in Property: OWNER
  - c. Name and Address of Fee Simple Titleholder (if other than owner):
4. Contractor (name and address): C&S Construction  
4516 SE. Gamme Ave. Suite 101 Lake City Fl. 32225
5. Surety:
  - a. Name and Address:
  - b. Amount of Bond:
6. Lender (name and address)
7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7):
8. In addition to himself, owner designates
9. to receive a copy of the Lienor's Notice as provided in Florida Statutes 713.13(1)(b).  
Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified): 6/7/2004

Vitaly Tovkach

Type Owner Name: Vitaly TOVKACH

XXXXXXXXXXXXXXXXXX

Type Owner Name: XXXXXXXXXX

6th day of April

Sworn to and subscribed before me this  
15 2004

Mary Richardson  
Type Notary Public: Mary Richardson  
Notary Public, State of Missouri  
Commission Expiry & Number:

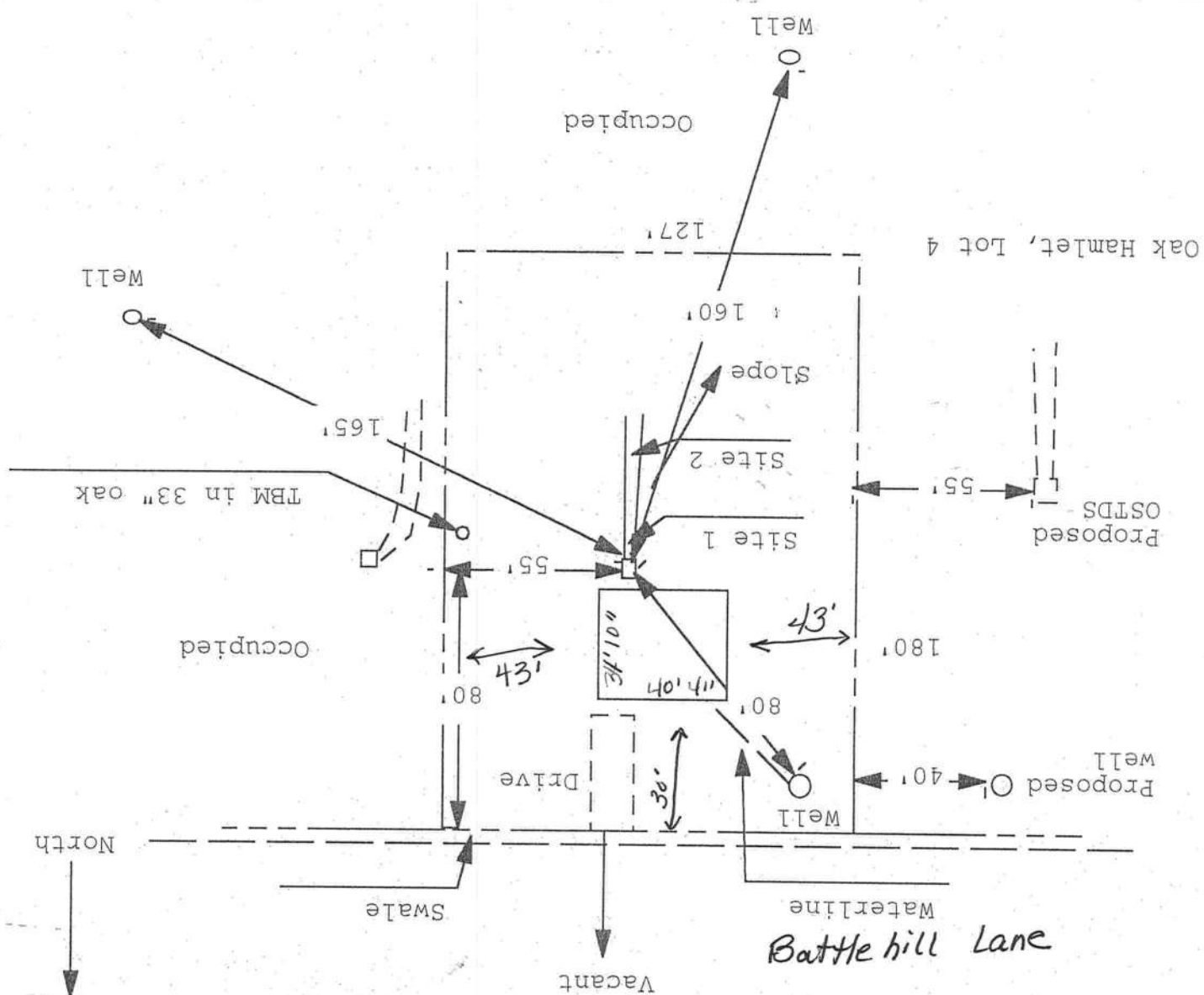
Jackson County

Personally Known to me same Vitaly Tovkach  
Produced ID MO DL - Work ID  
Did/Did Not Take an Oath



MARY A. RICHARDSON  
Notary Public - State of Missouri  
JACKSON COUNTY  
(My Comm. Exp. Sept 22, 2006)

1 inch = 50 feet






FLORIDA ENERGY EFFICIENCY CODE  
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	CnS_58EX	Builder:	C&S CONSTRUCTION
Address:	-	Permitting Office:	
City, State:	COLUMBIA COUNTY, FL	Permit Number:	21764
Owner:	C&S CONSTRUCTION	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: 23.8 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)	1329.94 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft² 120.0 ft²	a. Electric Heat Pump	Cap: 25.6 kBtu/hr
b. Default tint	0.0 ft² 0.0 ft²		HSPF: 8.00
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, 160.3(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1222.6 ft²	c. Conservation credits	
b. N/A		(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	CF,
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1389.9 ft²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 130.0 ft		
b. N/A			

Glass/Floor Area: 0.09	Total as-built points: 18410	PASS
	Total base points: 22693	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.	
PREPARED BY: <u>[Signature]</u>	
DATE: <u>05 APR. 2004</u> <u>1127085</u>	
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.	
OWNER/AGENT: _____	BUILDING OFFICIAL: _____
DATE: _____	DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, 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	1329.9	20.04	4797.4	Double, Clear	S	2.0	4.8	40.0	35.87	0.71	1023.8
				Double, Clear	S	7.0	4.8	30.0	35.87	0.48	512.7
				Double, Clear	E	2.0	2.8	6.0	42.06	0.61	154.0
				Double, Clear	N	2.0	4.8	15.0	19.20	0.87	249.2
				Double, Clear	N	2.0	2.8	9.0	19.20	0.77	132.5
				Double, Clear	N	2.0	4.8	20.0	19.20	0.87	332.2
				As-Built Total:						120.0	2404.4
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1222.6	1.50		1834.0	
Exterior	1222.6	1.70	2078.5								
Base Total:		1222.6	2078.5	As-Built Total:				1222.6	1834.0		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood	40.0 6.10 244.0						
Exterior	40.0	6.10	244.0								
Base Total:		40.0	244.0	As-Built Total:				40.0	244.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1329.9	1.73	2300.8	Under Attic	30.0		1389.9	1.73 X 1.00		2404.5	
Base Total:		1329.9	2300.8	As-Built Total:				1389.9	2404.5		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	160.3(p)	-37.0	-5932.2	Slab-On-Grade Edge Insulation	0.0		160.3(p)	-41.20		-6605.6	
Raised	0.0	0.00	0.0								
Base Total:			-5932.2	As-Built Total:				160.3	-6605.6		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
		1329.9	10.21	13578.7				1329.9	10.21	13578.7	



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 17067.1				Summer As-Built Points: 13860.0							
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	
17067.1		0.4266	7280.8	13860.0		1.000	(1.081 x 1.147 x 0.91)	0.284	0.950	4225.4	
				13860.0		1.00	1.128	0.284	0.950	4225.4	

WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, 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	1329.9	12.74	3049.8	Double, Clear	S	2.0	4.8	40.0	13.30	1.43	762.1
				Double, Clear	S	7.0	4.8	30.0	13.30	3.24	1291.3
				Double, Clear	E	2.0	2.8	6.0	18.79	1.20	134.9
				Double, Clear	N	2.0	4.8	15.0	24.58	1.01	371.2
				Double, Clear	N	2.0	2.8	9.0	24.58	1.01	224.3
				Double, Clear	N	2.0	4.8	20.0	24.58	1.01	495.0
				As-Built Total:			120.0			3278.8	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1222.6	3.40	4157.0	
Exterior	1222.6	3.70	4523.8								
Base Total: 1222.6 4523.8				As-Built Total:			1222.6			4157.0	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Wood	40.0 12.30 492.0						
Exterior	40.0	12.30	492.0								
Base Total: 40.0 492.0				As-Built Total:			40.0			492.0	
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1329.9	2.05	2726.4	Under Attic	30.0			1389.9	2.05 X 1.00	2849.3	
Base Total: 1329.9 2726.4				As-Built Total:			1389.9			2849.3	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	160.3(p)	8.9	1426.9	Slab-On-Grade Edge Insulation	0.0			160.3(p)	18.80	3014.2	
Raised	0.0	0.00	0.0								
Base Total: 1426.9				As-Built Total:			160.3			3014.2	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1329.9 -0.59 -784.7				1329.9 -0.59 -784.7							



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points: 11434.2				Winter As-Built Points: 13006.6							
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	
11434.2		0.6274	7173.8	13006.6		1.000	(1.060 x 1.169 x 0.93)	0.426	1.000	6389.0	
				13006.6		1.00	1.152	0.426	1.000	6389.0	

# WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, FL,

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 = Total Multiplier
3		2746.00	8238.0	50.0	0.93	3		1.00	2598.37	1.00 7795.1
				As-Built Total:						7795.1

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
7281		7174		8238 22693	4225		6389		7795 18410

PASS





# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: -, COLUMBIA COUNTY, 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\* = 86.7

The higher the score, the more efficient the home.

C&S CONSTRUCTION, -, COLUMBIA COUNTY, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 23.8 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> )	1329.94 ft <sup>2</sup>		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft <sup>2</sup> 120.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 25.6 kBtu/hr
b. Clear - double pane	0.0 ft <sup>2</sup> 0.0 ft <sup>2</sup>		HSPF: 8.00
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, 160.3(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.93
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1222.6 ft <sup>2</sup>	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	CF,
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, 1389.9 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Con. AH: Interior	Sup. R=6.0, 130.0 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 at 850/487-1824.*

EnergyGauge® (Version: FLRCPB v3.30)



# System Sizing Calculations - Winter

## Residential Load - Component Details

C&S CONSTRUCTION  
COLUMBIA COUNTY, FL

Project Title:  
CnS\_58EX

Code Only  
Professional Version  
Climate: North

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

05-Apr-04

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
2	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
3	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
4	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
5	2, Clear, Metal, DEF	S	9.0	28.3	255 Btuh
6	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
Window Total			120		3396 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1223	3.1	3790 Btuh
Wall Total			1223		3790 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		40	17.9	718 Btuh
Door Total			40		718Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1390	1.3	1807 Btuh
Ceiling Total			1390		1807Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	160.3 ft(p)	31.6	5066 Btuh
Floor Total			160		5066 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	10972(sqft)	73	3144 Btuh
	Mechanical			150	6435 Btuh
Infiltration Total				223	9579 Btuh

Totals for Heating	Subtotal	24356 Btuh
	Duct Loss(using duct multiplier of 0.05)	1218 Btuh
	Total Btuh Loss	25574 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

C&S CONSTRUCTION

COLUMBIA COUNTY, FL

Project Title:

CnS\_58EX

Code Only

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

05-Apr-04

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, B, N	N	2	4.83	40.0	0.0	40.0	15	15	600	Btuh
2	2, Clear, DEF, B, N	N	7	4.83	30.0	0.0	30.0	15	15	450	Btuh
3	2, Clear, DEF, B, N	W	2	2.83	6.0	3.1	2.9	15	46	179	Btuh
4	2, Clear, DEF, B, N	S	2	4.83	15.0	15.0	0.0	15	24	225	Btuh
5	2, Clear, DEF, B, N	S	2	2.83	9.0	9.0	0.0	15	24	135	Btuh
6	2, Clear, DEF, B, N	S	2	4.83	20.0	20.0	0.0	15	24	300	Btuh
	Window Total				120					1889	Btuh
Walls 1	Type		R-Value		Area			HTM		Load	
	Frame - Exterior		13.0		1222.6			1.7		2127 Btuh	
	Wall Total				1222.6					2127	Btuh
Doors 1	Type				Area			HTM		Load	
	Wood - Exter				40.0			10.0		399 Btuh	
	Door Total				40.0					399	Btuh
Ceilings 1	Type/Color		R-Value		Area			HTM		Load	
	Under Attic/Dark		30.0		1389.9			1.4		1974 Btuh	
	Ceiling Total				1389.9					1974	Btuh
Floors 1	Type		R-Value		Size			HTM		Load	
	Slab-On-Grade Edge Insulation		0.0		160.3 ft(p)			0.0		0 Btuh	
	Floor Total				160.3					0	Btuh
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.35		10972			64.1		1270 Btuh	
	Mechanical							150		2970 Btuh	
	Infiltration Total							214		4240 Btuh	

Internal gain	Occupants		Btuh/occupant		Appliance	Load
	6	X	300	+	1200	3000 Btuh

Totals for Cooling	Subtotal	13629 Btuh
	Duct gain(using duct multiplier of 0.10)	1363 Btuh
	Total sensible gain	14992 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7426 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	23798 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)

EnergyGauge® FLRCPB v3.30





This Instrument Prepared by & return to:

Name: KIM WATSON, an employee of  
TITLE OFFICES, LLC  
Address: 1089 SW MAIN BLVD.  
LAKE CITY, FLORIDA 32025  
04Y-03030KW  
Parcel I.L. #: 02365-101, 102, 103, 104

Inst: 2004006011 Date: 03/17/2004 Time: 16:06  
Doc Stamp-Deed : 336.00

MC P. DeWitt Cason, Columbia County B: 1009 P: 2692

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

**THIS WARRANTY DEED** Made the 17th day of March, A.D. 2004, by **CHARLES TIMMONS** and **REGINA G. TIMMONS**, HIS WIFE, hereinafter called the grantors, to **VITALY TOVKACH**, single, whose post office address is **601 BRASILIA AVE., KANSAS CITY, MO 64153**, hereinafter called the grantee:

(Wherever used herein the terms "grantors" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

**Witnesseth:** That the grantors, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in **Columbia County, State of FLORIDA**, viz:

Lots 1, 2, 3 and 4, OAK HAMLET, according to the map or plat thereof as recorded in Plat Book 6, Page 204-205, of the Public Records of Columbia County, FLORIDA.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

In Witness Whereof, the said grantors have signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Martha Bryan  
Witness Signature

Martha Bryan  
Printed Name

Regina Simpkins  
Witness Signature

Regina Simpkins  
Printed Name

Charles Timmons L.S.  
CHARLES TIMMONS

Address:  
641 NW HARRIS LAKE DRIVE, LAKE CITY,  
FLORIDA 32055

Regina G. Timmons L.S.  
REGINA G. TIMMONS

Address:  
641 NW HARRIS LAKE DRIVE, LAKE CITY,  
FLORIDA 32055

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 17th day of March, 2004, by CHARLES



# COLUMBIA COUNTY 9-1-1 ADDRESSING

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

## Addressing Maintenance

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

DATE ISSUED: 4-8-04

ENHANCED 9-1-1 ADDRESS:

142 NW Battle Hill Ln. (Lake City, Fl.)  
32055

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: \_\_\_\_\_

OCCUPANT CURRENT MAILING ADDRESS: \_\_\_\_\_

PROPERTY APPRAISER MAP SHEET NUMBER: 44

PROPERTY APPRAISER PARCEL NUMBER: 28-35-16-02365-104

Other Contact Phone Number (If any): \_\_\_\_\_

Building Permit Number (If known): \_\_\_\_\_

Remarks: LOT 4 Oak Hamlet S/D.

Address Issued By: [Signature]  
Columbia County 9-1-1 Addressing Department

# COLUMBIA COUNTY 9-1-1 ADDRESSING

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

## Posting of Address Numbers in accordance with Ordinance 2001-9, Section 5:

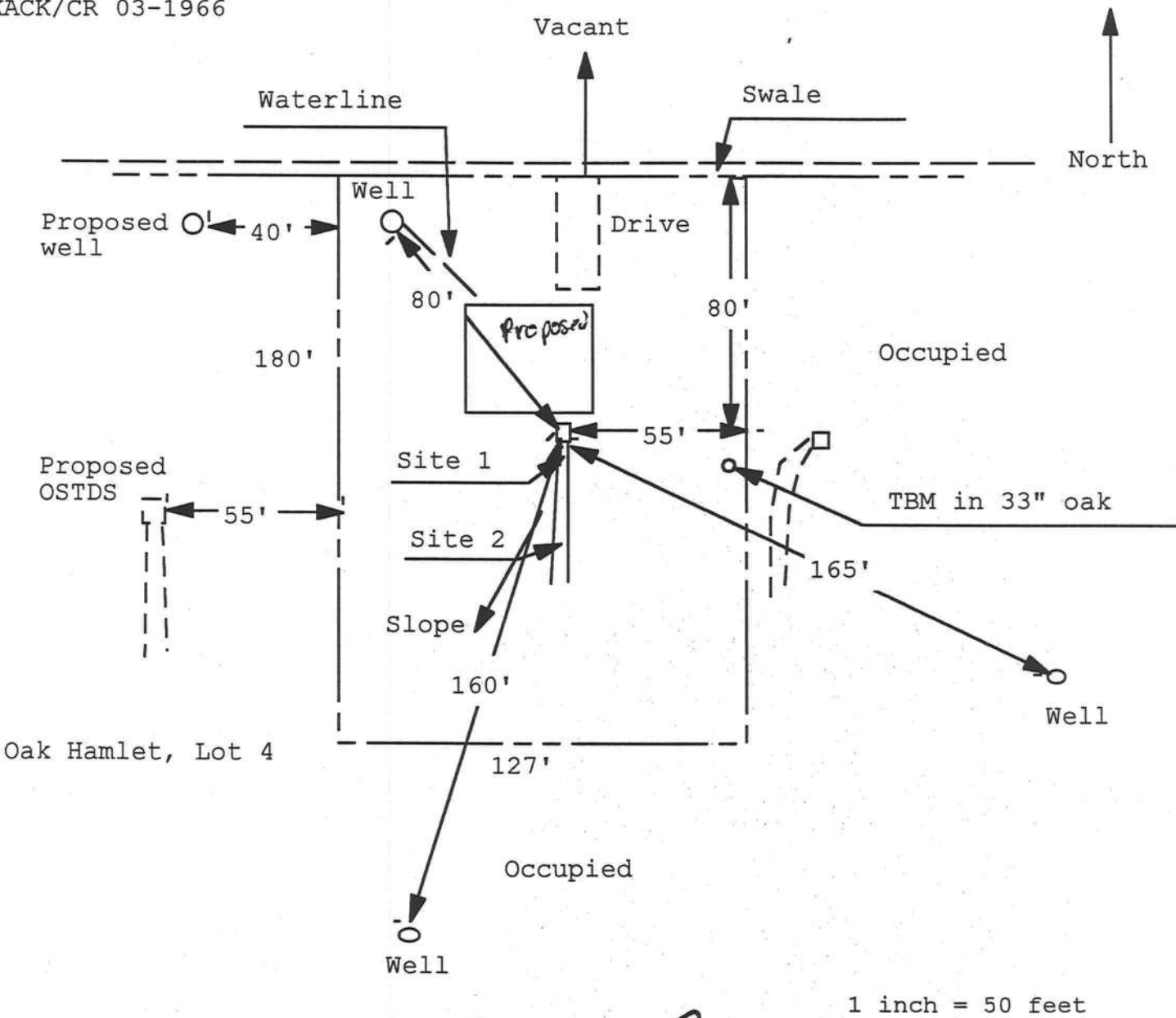
- A. Principal Buildings (residence, apartment building or "In Town" business) shall display the assigned address number made of Arabic numerals not less than 3 inches in height and 1 ½ inches in width of a contrasting color to the background on which affixed, as near to the front entrance as possible and practical so that the number is visible and legible from the sidewalk (if any), the public or private way on which the principal building fronts and the opposite side of the public or private way, day or night.
- B. Private Lane and Long Driveways: for any principal building (residence, apartment building or business) (except malls or shopping centers) located so that the address number is not clearly legible and visible from the public or private way, shall post an additional set of numbers at the intersection of the driveway to the principal building at the public or private way. The additional address number shall be made up of Arabic numerals not less than 3 inches in height and 1-1/2 inches in width. Numbers shall be contrasting in color with the background on which they are affixed, visible day or night, and placed upon a post or other structure which displays the number so it is visible and legible to emergency services personnel approaching from either direction along the public or private way.
- C. Industrial and Commercial Structures in Low Density Areas: All industrial and commercial structures located in low-density development areas (areas in which small residential style address numbers are not visible from the public or private way) shall display address numbers of not less than 10 inches in height. The numbers shall contrast in color with the background on which they are affixed and shall be visible and legible day or night from the public or private way. When possible, the number shall be displayed beside or over the main entrances of the structure.
- D. Apartment Buildings and High-Rises: All apartment buildings and high-rises style principal buildings shall display address numbers above or to the side of the primary entrance to the Addressed location. Numbers shall contrast with the color of the background to which they are affixed, and shall be at least 6 inches in height and visible and legible day or night. Apartment numbers for individual units within the complex shall be displayed on, above, or to the side of the doorway of each unit. Assigned number shall be displayed on each separate front entrance in the case of a principal building which is occupied by more than one business or family dwelling unit.
- E. Any different numbers, which might be mistaken for or confused with the numbers assigned in accordance with the "Numbering System", shall be removed upon proper display of the assigned address number.
- F. The responsibility of placement and maintenance of the building address numbers is that of the occupant or property owner.



Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 04-0435N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

TOVKACK/CR 03-1966



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 4/12/04  
Plan Approved Paul Lloyd Not Approved La Kaul Bush Date 4/12/04  
By Paul Lloyd La Kaul Bush Columbus CPHU 4-16-04

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

**Columbia County Building Department  
Culvert Permit**

**Culvert Permit No.  
000000282**

DATE 04/21/2004 PARCEL ID # 28-3S-16-02365-104

APPLICANT LAVONE COX PHONE 755-7200

ADDRESS 456 SE ERMINE AVE, STE 101 LAKE CITY FL 32025

OWNER VITALY TONKACH PHONE 816 243-3125

ADDRESS 142 NW BATTLE HILL LANE LAKE CITY FL 32055

CONTRACTOR JAMES COX PHONE 755-7200

LOCATION OF PROPERTY 90 W, TR ON TURNER ROAD, TL ON BATTLEHILL ROAD, 2ND ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HAMLET 4

SIGNATURE

*Lavonne Cox*

**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





**CERTIFICATE OF  
OCCUPANCY**

**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 28-3S-16-02365-104

Building permit No. 000021764

Use Classification SFD, UTILITY

Fire: 17.01

Permit Holder JAMES COX

Waste: 36.75

Owner of Building VITALY TONKACH

Total: 53.76

Location: 142 NW BATTLE HILL LANE (OAK HAMLET, LOT 4)

Date: 07/15/2004



*[Signature]*

Building Inspector

**POST IN A CONSPICUOUS PLACE  
(Business Places Only)**



# Notice of Treatment

10841

**Applicator** Florida Pest Control & Chemical Co.

**Address** BAYVIEW

**City** LC **Phone** 7521703

**Site Location** **Subdivision** \_\_\_\_\_

**Lot#** 4 **Block#** \_\_\_\_\_ **Permit#** 21764

**Address** 142 NW BATTLEHILL

## AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	5/1/04	0730	244	Gunny
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** Durs BAIT .05 %

**Remarks** Exterior not to grade