

DATE 06/18/2024

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000021978

APPLICANT HEIDI MORSE PHONE 752-5822

ADDRESS 290 SE WILLOWHAVEN COURT LAKE CITY FL 32025

OWNER DANIEL & HEIDI MORSE PHONE 752-5822

ADDRESS 248 SE WILLOWHAVEN COURT LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY CR 252, TR ON CR 245, TL ON EBENEEZER ROAD, TL ON WILLOWHAVEN COURT, STRAIGHT AND CURVES AROUND ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 99500.00

HEATED FLOOR AREA 1990.00 TOTAL AREA 2193.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 15

Minimum Set Back Requirements: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 36-4S-17-09049-012 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 1.50

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

PRIVATE 04-0634-N BK HD Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 919

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 \$ 500.00 CERTIFICATION FEE \$ 10.97 SURCHARGE FEE \$ 10.97

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

FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ TOTAL FEE 571.94

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0406-21 Date Received 6/2/04 By G Permit # 21978
Application Approved by - Zoning Official B2K Date 11.06.04 Plans Examiner HO Date 6/18/04
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Special Family Lot Permit

I need septic site plan

Applicants Name Daniel & Heidi Morse Phone (386) 752-5822
Address 290 SE Willowhaven Ct. Lake city FL 32025
Owners Name Daniel & Heidi Morse Phone (386) 752-5822
911 Address 248 SE Willowhaven Ct. Lake City, FL 32025
Contractors Name NA Phone NA
Address NA
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Mark Disosway PO Box 868 Lake city, FL 32056
Mortgage Lenders Name & Address NA
Architect Name & Address Ray Douglas Shuler 2421 Raymond Dichl Rd #2 Tallahassee FL 32309
Property ID Number 36-45-17-09049-012 Estimated Cost of Construction 70,000
Subdivision Name NA Lot NA Block NA Unit NA Phase NA
Driving Directions CR 252 to CR 245, turn right go about two miles, turn left onto Ebenezer Rd. turn left onto Willowhaven Ct.
Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage 1.5 AC Lot Size See Survey Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 106' Side 75'5" Side 50'1" Rear 213'3"
Total Building Height 15'9" Number of Stories 1 Heated Floor Area 1990 sq ft Roof Pitch 4/12

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.

Daniel C Morse
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 4th day of June 2004.

Personally known X or Produced Identification

NA
Contractor Signature

Contractors License Number NA

Competency Card Number NA

NOTARY STAMP/SEAL

L. S. Martin
Commission #DD214293
Expires: Jun 22, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

[Signature]
Notary Signature

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: 5-24-04

ENHANCED 9-1-1 ADDRESS:

248 SE Willowhaven CT. (Lake City, FL 32025)

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: Danny & Heidi Morse.

OCCUPANT CURRENT MAILING ADDRESS: Not Available.


PROPERTY APPRAISER MAP SHEET NUMBER: 154

PROPERTY APPRAISER PARCEL NUMBER: 36-45-17-09049-012

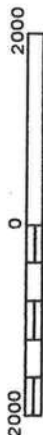
Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: NONE

Address Issued By: 
Columbia County 9-1-1 Addressing Department

APPROXIMATE SCALE IN FEET



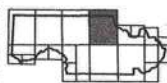
NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 200 OF 300

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0200 B

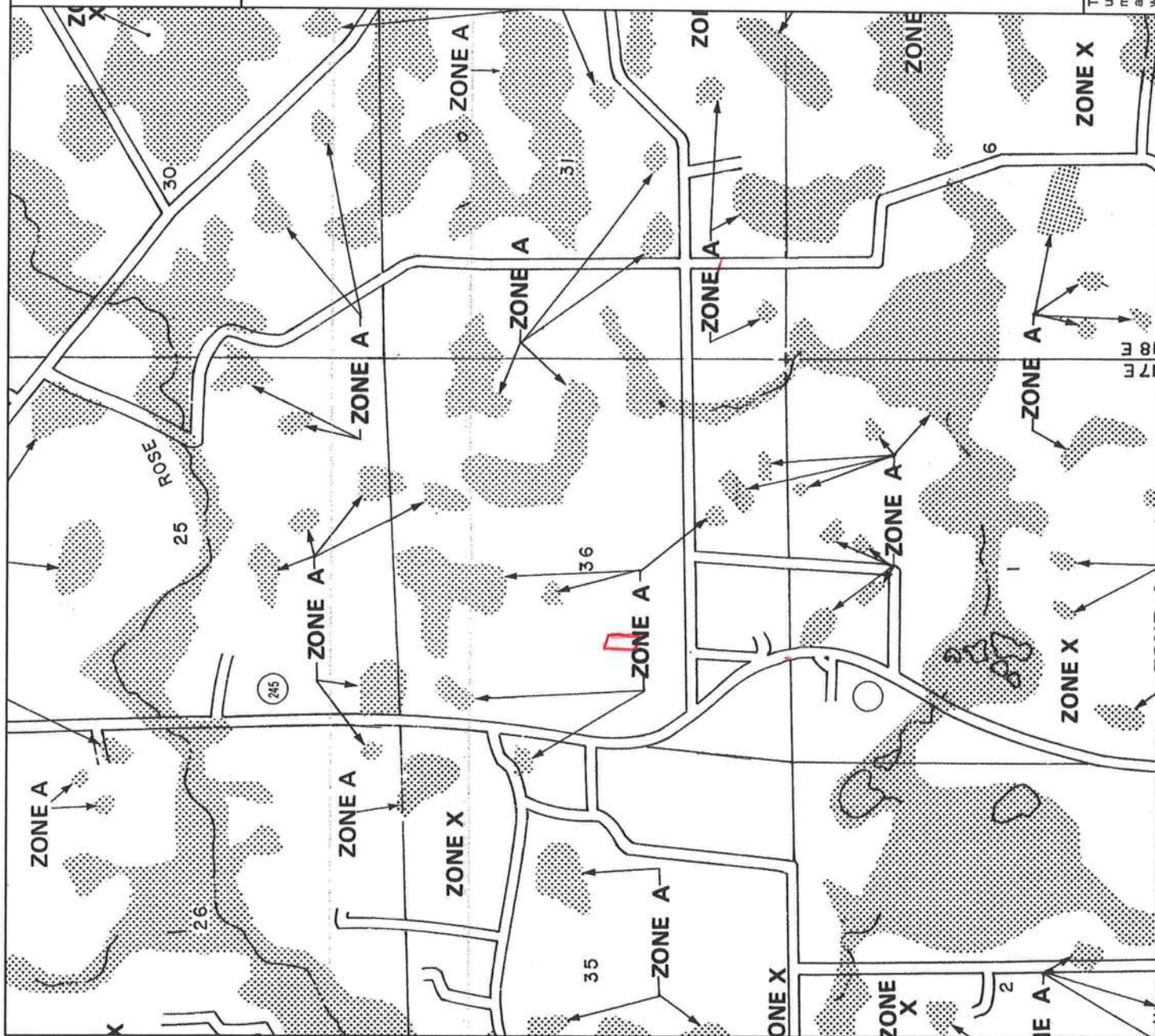
EFFECTIVE DATE:
JANUARY 6, 1988



Federal Emergency Management Agency

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

Print Date: 6/18/2004 (printed at scale and type A)



Inst:2004011205 Date:05/14/2004 Time:11:14
Doc Stamp-Deed : 0.70

MK DC, P. DeWitt Cason, Columbia County B:1015 P:997
36-45-17-09049-012

This Instrument prepared
By Duane E. Thomas
Attorney at Law
206 South Marion Avenue
Lake City, FL 32025

WARRANTY DEED

THIS WARRANTY DEED, made this 13th day of May, 2004 between **Edward N. Morse**, as Power of Attorney for **William B. Morse** and **Polly C. Morse** as grantors and **Daniel C. Morse** and **Heidi Morse** as grantees.

WITNESSETH: *That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantees, all that certain land situate in Columbia County, Florida, vis:*

Description: A part of the West ½ of section 36, Township 4 South, Range 17 East more particularly described as follows: Commence at the Southwest corner of said section 36 and run N.89°28'19"E. Along the South line thereof, 1329.29 feet, thence N.06°39'59"E., 1286.47 feet to a point in Ebenezer Road, thence continue N.06°39'59"E., 747.27 feet to the POINT OF BEGINNING, thence continue N.06°39'59"E., 382.73 feet, thence S.73°20'19"E., 188.54 feet, thence S.06°39'59"W., 321.64 feet, thence S.87°58'44"W., 187.33 feet to the POINT OF BEGINNING Columbia County, Florida. Containing 1.50 acres, more or less.

Together with the right of ingress and egress over and across a 30 foot easement being a part of the NE 1/4 of SW 1/4, Section 36, Township 4 South, Range 17 East, more particularly described as follows:

Commence at the Southwest corner of Section 36 thence run N.89°28'19"E, along the South Line of Section 36 a distance of 1329.29 feet, thence N.06°39'59"E., 1286.47 feet to the point of beginning, thence continue N.06°39'59"E., 747.27 feet, thence N.87°58'44"E., 441.54 feet, thence N.06°39'59"E., 291.29 feet, thence S.87°58'44"W., 253.71 feet, thence N.06°39'59"E., 30.35 feet, thence N.87°58'44"E., 284.06 feet, thence S.06°39'59"W., 351.97 feet, thence S.87°58'44"W., 441.55 feet, thence S.06°39'59"W., 717.32 feet, thence S.88°43'16"W., 30.29 feet to the POINT OF BEGINNING Columbia County, Florida.

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in any-wise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

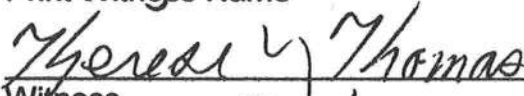
AND the Grantor hereby covenants with said Grantees that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:


Witness
Nancy Johnson
Print Witness Name


EDWARD N. MORSE

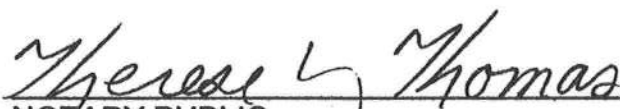

Witness
Therese Y. Thomas
Print Witness Name

STATE OF FLORIDA
COUNTY OF COLUMBIA

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid, to take acknowledgments, personally appeared EDWARD N. MORSE, acting as Power of Attorney for WILLIAM B. MORSE, to me known to be the person described in and who executed the foregoing instrument and he acknowledged before me that he executed the same.

WITNESS my hand and official seal in the County and State last aforesaid this 13th day of May, 2004.




NOTARY PUBLIC

BOUNDARY SURVEY IN SECTION 36, TOWNSHIP 4 SOUTH,
RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA.

SCALE: 1" = 100'

S Y M B O L L E G E N D

■	4"x4" CONCRETE MONUMENT FOUND
□	4"x4" CONCRETE MONUMENT SET
●	IRON PIPE FOUND
○	IRON PIN AND CAP SET
⊕	POWER POLE
▲	WATER METER
④	CENTERLINE

**POINT OF BEGINNING
OF EASEMENT**

POINT OF BEGINNING
OF PARCEL

■ 4"x4" CONCRETE
 □ 4"x4" CONCRETE
 ● IRON PIPE FOUND
 ○ IRON PIN AND CA
 ⊕ POWER POLE
 ▲ WATER METER
 ♁ CENTERLINE
 * WELL
 ⊗ SATELLITE DISH
 ⊙ TELEPHONE BOX
 ○ ELECTRIC LINES
 - - - FENCE
 - - - WIRE FENCE
 - - - CHAIN LINK FENCE
 - - - WOODEN FENCE

EBENEZER ROAD (PAVED PUBLIC)

DESCRIPTION:
A PART OF THE WEST 1/2 OF SECTION 36, TOWNSHIP 4 SOUTH, RANGE 17 EAST MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHWEST CORNER OF SAID SECTION 36 AND RUN N89°28'19"E. ALONG THE SOUTH LINE THEREOF, 1329.29 FEET; THENCE N06°39'59"E, 1286.47 FEET TO A POINT IN EBENEZER ROAD; THENCE CONTINUE N06°39'59"E, 747.27 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N06°39'59"E, 382.73 FEET; THENCE S.73°20'19"E, 188.54 FEET; THENCE S.06°39'59"W, 321.64 FEET; THENCE S.87°58'44"W, 187.33 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA, CONTAINING 1.50 ACRES, MORE OR LESS.

TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS OVER AND ACROSS A 30 FOOT EASEMENT BEING A PART OF THE NE 1/4 OF SW 1/4, SECTION 36, TOWNSHIP 4 SOUTH, RANGE 17 EAST, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF SECTION 36, THENCE RUN N89°28'19"E, ALONG THE SOUTH LINE OF SECTION 36 A DISTANCE OF 1329.29 FEET, THENCE N06°39'59"E, 1286.47 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE N06°39'59"E, 747.87 FEET, THENCE N87°58'44"E, 441.54 FEET, THENCE N06°39'59"E, 291.29 FEET, THENCE S87°58'44"W, 253.71 FEET, THENCE N06°39'59"E, 30.35 FEET, THENCE N87°58'44"E, 284.06 FEET, THENCE S06°39'59"W, 351.97 FEET, THENCE S87°58'44"W, 441.55 FEET, THENCE S06°39'59"W, 717.32 FEET, THENCE S88°43'16"W, 30.29 FEET TO THE POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

NOT
A
PART

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF A PREVIOUS SURVEY BY THIS OFFICE.
2. BEARINGS ARE BASED ON SAID PREVIOUS SURVEY BY THIS OFFICE.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOODED PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0200 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

CERTIFIED TO:

DANIEL & HEIDI MORSE

SURVEYORS CERTIFICATION

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

04/16/04
FIELD SURVEY DATE

04/21/04
DRAWING DATE

W. SCOTT BRITT, P.S.M.
CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAN OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

FIELD BOOK: 265 PAGE(S): 108

RITT SURVEYING
LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573
WORK ORDER # L-**14842**

WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573
WORK ORDER # L-14842



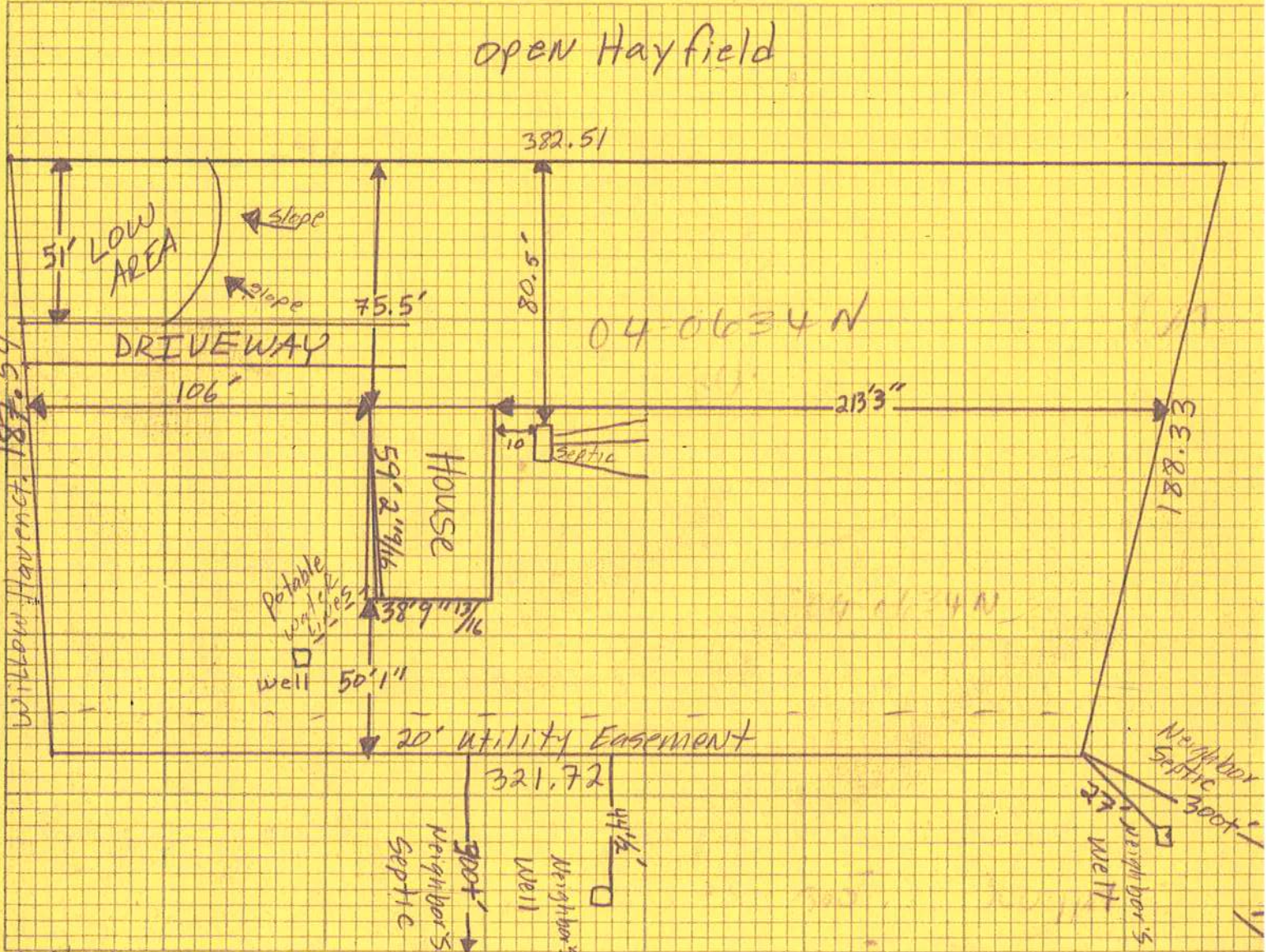
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 04-0634

PART II - SITE PLAN

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



Notes: Distance from closest Neighbor's well 134 1/2'. Septic distance from my well approx 80'.
Distance from Well to septic is approx 80 ft.

Site Plan submitted by: Daniel C. Moore Signature
Plan Approved ☒ Not Approved ☐
By Salvia A. Graddy - ESI - COLUMBIA County Health Department
OWNER Title
Date 10-8-04

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



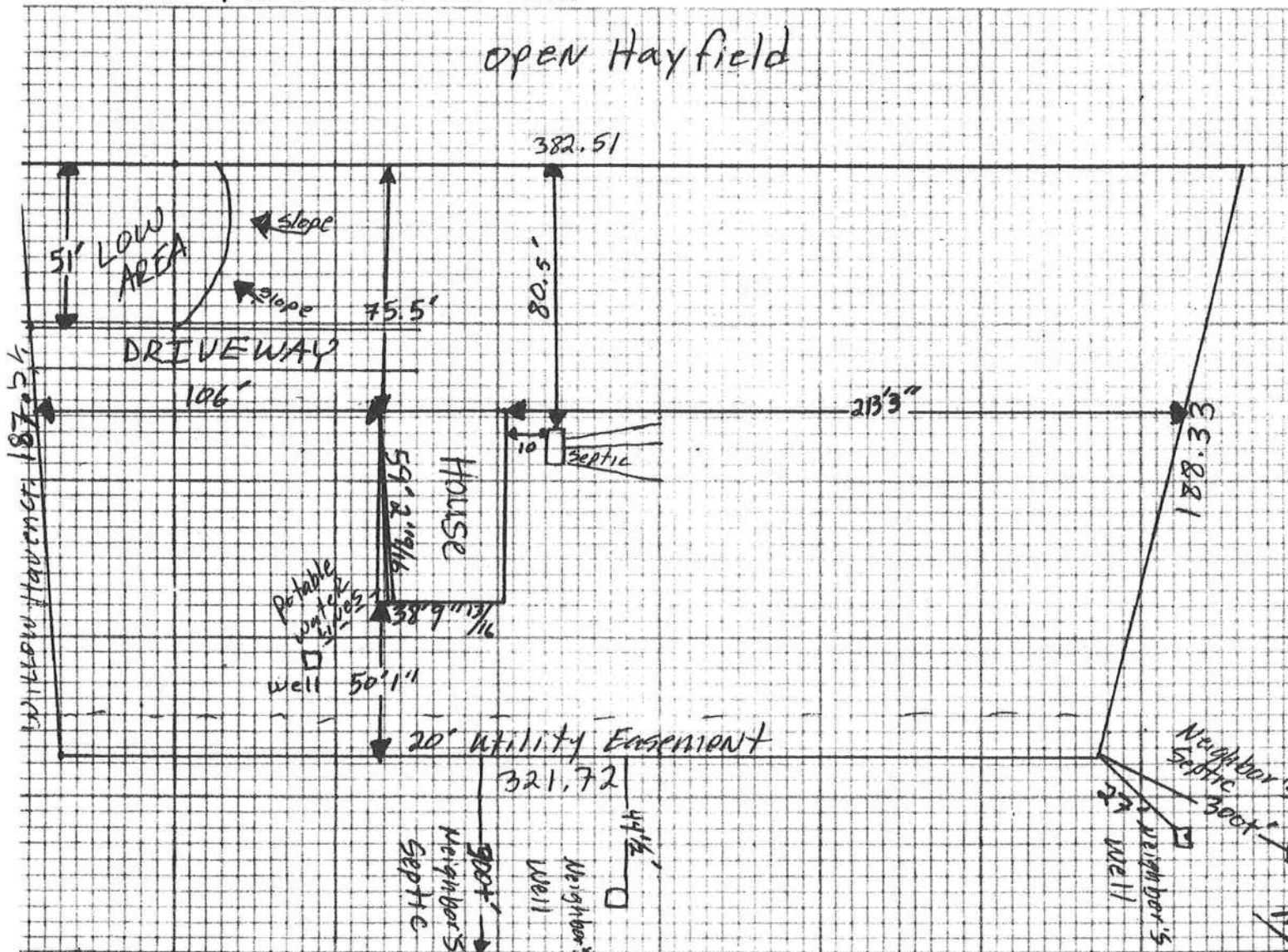
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

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



Notes: Distance from closest Neighbor's well 134 1/2'. Septic distance from my well approx 80'.

Distance from well to septic is approx 80 ft.

Site Plan submitted by: _____

David C. Moore

Signature

Title

Plan Approved _____

Not Approved _____

Date _____

By _____

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 405172MorseRes.	Builder: Owner builder
Address:	Permitting Office:
City, State:	Permit Number: 21978
Owner: Danny & Heidi Morse	Jurisdiction Number: 221000
Climate Zone: North	

1. New construction or existing New <input type="checkbox"/>	12. Cooling systems
2. Single family or multi-family Single family <input type="checkbox"/>	a. Central Unit Cap: 45.0 kBtu/hr
3. Number of units, if multi-family 1 <input type="checkbox"/>	SEER: 10.00 <input type="checkbox"/>
4. Number of Bedrooms 3 <input type="checkbox"/>	b. N/A <input type="checkbox"/>
5. Is this a worst case? Yes <input type="checkbox"/>	c. N/A <input type="checkbox"/>
6. Conditioned floor area (ft ²) 2114 ft² <input type="checkbox"/>	13. Heating systems
7. Glass area & type Single Pane Double Pane <input type="checkbox"/>	a. Electric Heat Pump Cap: 45.0 kBtu/hr
a. Clear glass, default U-factor 238.0 ft² 0.0 ft² <input type="checkbox"/>	HSPF: 6.80 <input type="checkbox"/>
b. Default tint 0.0 ft² 0.0 ft² <input type="checkbox"/>	b. N/A <input type="checkbox"/>
c. Labeled U or SHGC 0.0 ft² 0.0 ft² <input type="checkbox"/>	c. N/A <input type="checkbox"/>
8. Floor types <input type="checkbox"/>	14. Hot water systems
a. Slab-On-Grade Edge Insulation R=0.0, 200.0(p) ft <input type="checkbox"/>	a. Electric Resistance Cap: 40.0 gallons
b. N/A <input type="checkbox"/>	EF: 0.89 <input type="checkbox"/>
c. N/A <input type="checkbox"/>	b. N/A <input type="checkbox"/>
9. Wall types <input type="checkbox"/>	c. Conservation credits <input type="checkbox"/>
a. Frame, Wood, Exterior R=13.0, 1482.0 ft² <input type="checkbox"/>	(HR-Heat recovery, Solar
b. N/A <input type="checkbox"/>	DHP-Dedicated heat pump)
c. N/A <input type="checkbox"/>	15. HVAC credits <input type="checkbox"/>
d. N/A <input type="checkbox"/>	(CF-Ceiling fan, CV-Cross ventilation,
e. N/A <input type="checkbox"/>	HF-Whole house fan,
10. Ceiling types <input type="checkbox"/>	PT-Programmable Thermostat,
a. Under Attic R=30.0, 2114.0 ft² <input type="checkbox"/>	MZ-C-Multizone cooling,
b. N/A <input type="checkbox"/>	MZ-H-Multizone heating)
c. N/A <input type="checkbox"/>	
11. Ducts <input type="checkbox"/>	
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 190.0 ft <input type="checkbox"/>	
b. N/A <input type="checkbox"/>	

Glass/Floor Area: 0.11

Total as-built points: 30479

Total base points: 30537

PASS

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

PREPARED BY: Evan Beamsley

DATE: 5/17/04

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

OWNER/AGENT: Danny & Heidi Morse

DATE: 6-7-04

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: , , ,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	2114.0	20.04	7625.6	Single, Clear	W	1.5	7.0	45.0	43.84	0.94	1852.2
				Single, Clear	W	1.5	8.0	40.0	43.84	0.96	1680.
				Single, Clear	W	1.5	5.0	6.0	43.84	0.88	230.3
				Single, Clear	N	1.5	9.0	12.0	21.73	0.98	254.4
				Single, Clear	E	1.5	7.0	45.0	47.92	0.94	2023.4
				Single, Clear	E	5.8	7.0	60.0	47.92	0.56	1611.2
				Single, Clear	S	1.5	9.0	30.0	40.81	0.94	1155.9
				As-Built Total:				238.0			
WALL TYPES Area X BSPM = Points				Type							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT										
Summer Base Points:		28474.2			Summer As-Built Points:					28359.7					
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
28474.2		0.4266		12147.1	28359.7		1.000		(1.090 x 1.147 x 0.91)		0.341		1.000		11012.1
					28359.7		1.00		1.138		0.341		1.000		11012.1

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	2114.0	12.74	4847.8	Single, Clear	W	1.5	7.0	45.0	28.84	1.02	1319.1	
				Single, Clear	W	1.5	8.0	40.0	28.84	1.01	1166.4	
				Single, Clear	W	1.5	5.0	6.0	28.84	1.03	179.0	
				Single, Clear	N	1.5	9.0	12.0	33.22	1.00	398.8	
				Single, Clear	E	1.5	7.0	45.0	26.41	1.03	1220.0	
				Single, Clear	E	5.8	7.0	60.0	26.41	1.24	1964.4	
				Single, Clear	S	1.5	9.0	30.0	20.24	1.02	621.4	
				As-Built Total:			238.0		6869.1			
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			1482.0	3.40	5038.8		
Exterior	1482.0	3.70	5483.4									
Base Total:				1482.0			5483.4					
				As-Built Total:			1482.0		5038.8			
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	8.40	336.0		
Exterior	80.0	12.30	984.0	Exterior Insulated				20.0	8.40	168.0		
				Exterior Insulated				20.0	8.40	168.0		
Base Total:				80.0			984.0					
				As-Built Total:			80.0		672.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points				
Under Attic	2114.0	2.05	4333.7	Under Attic	30.0			2114.0	2.05 X 1.00	4333.7		
Base Total:				2114.0			4333.7					
				As-Built Total:			2114.0		4333.7			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points				
Slab	200.0(p)	8.9	1780.0	Slab-On-Grade Edge Insulation	0.0			200.0(p)	18.80	3760.0		
Raised	0.0	0.00	0.0									
Base Total:				1780.0			200.0			3760.0		
				As-Built Total:			200.0		3760.0			
INFILTRATION Area X BWPM = Points							Area X WPM = Points					
2114.0 -0.59 -1247.3							2114.0 -0.59 -1247.3					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		16181.7		Winter As-Built Points:				19426.3		
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
16181.7		0.6274	10152.4	19426.3 19426.3		1.000 1.00	(1.069 x 1.169 x 0.93) 1.162	0.501 0.501	1.000 1.000	11321.7 11321.7

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	40.0	0.89	3		1.00	2715.15	1.00	8145.4
					As-Built Total:							8145.4

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Hot Water	=	Total	
Points		Points		Points		Points	
12147		10152		8238		30537	
11012		11322		8145		30479	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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* = 82.6

The higher the score, the more efficient the home.

Danny & Heidi Morse, , , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 45.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2114 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	238.0 ft ² 0.0 ft ²	a. Electric Heat Pump	Cap: 45.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 6.80
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, 200.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.89
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1482.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		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, 2114.0 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, 190.0 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 at 850/487-1824.*

EnergyGauge® (Version: FLRCSB v3.30)

Residential System Sizing Calculation

Summary

Danny & Heidi Morse

Project Title:
405172MorseRes.

Class 3 Rating
Registration No. 0
Climate: North

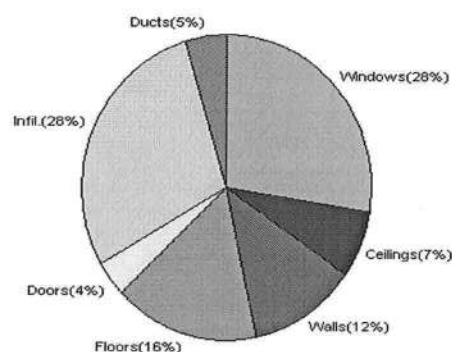
5/17/2004

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	38581 Btuh	Total cooling load calculation	34540 Btuh
Submitted heating capacity	45000 Btuh	Submitted cooling capacity	45000 Btuh
Submitted as % of calculated	116.6 %	Submitted as % of calculated	130.3 %

WINTER CALCULATIONS

Winter Heating Load (for 2114 sqft)

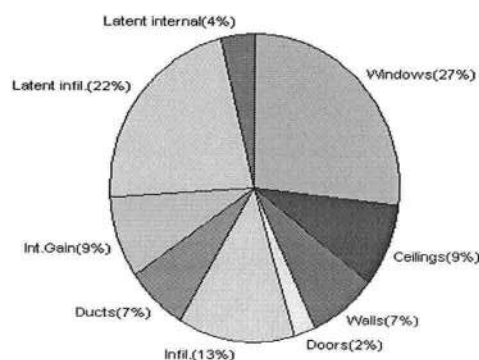
Load component		Load	
Window total	238 sqft	10710	Btuh
Wall total	1482 sqft	4594	Btuh
Door total	80 sqft	1466	Btuh
Ceiling total	2114 sqft	2748	Btuh
Floor total	200 ft	6320	Btuh
Infiltration	254 cfm	10905	Btuh
Subtotal		36743	Btuh
Duct loss		1837	Btuh
TOTAL HEAT LOSS		38581	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2114 sqft)

Load component		Load	
Window total	238 sqft	9338	Btuh
Wall total	1482 sqft	2579	Btuh
Door total	80 sqft	811	Btuh
Ceiling total	2114 sqft	3002	Btuh
Floor total		0	Btuh
Infiltration	222 cfm	4404	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		23134	Btuh
Duct gain		2313	Btuh
Total sensible gain		25447	Btuh
Latent gain(infiltration)		7713	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		9093	Btuh
TOTAL HEAT GAIN		34540	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Danny & Heidi Morse

Project Title:
405172MorseRes.

Class 3 Rating
Registration No. 0
Climate: North

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

5/17/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, Metal, DEF	N	45.0	45.0	2025 Btuh
2	1, Clear, Metal, DEF	N	40.0	45.0	1800 Btuh
3	1, Clear, Metal, DEF	N	6.0	45.0	270 Btuh
4	1, Clear, Metal, DEF	E	12.0	45.0	540 Btuh
5	1, Clear, Metal, DEF	S	45.0	45.0	2025 Btuh
6	1, Clear, Metal, DEF	S	60.0	45.0	2700 Btuh
7	1, Clear, Metal, DEF	W	30.0	45.0	1350 Btuh
Window Total			238		10710 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1482	3.1	4594 Btuh
Wall Total			1482		4594 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		40	18.3	733 Btuh
2	Insulated - Exter		20	18.3	367 Btuh
3	Insulated - Exter		20	18.3	367 Btuh
Door Total			80		1466Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2114	1.3	2748 Btuh
Ceiling Total			2114		2748Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	200.0 ft(p)	31.6	6320 Btuh
Floor Total			200		6320 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	19026(sqft)	254	10905 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				254	10905 Btuh

Totals for Heating	Subtotal	36743 Btuh
	Duct Loss(using duct multiplier of 0.05)	1837 Btuh
	Total Btuh Loss	38581 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

Danny & Heidi Morse

Project Title:
405172MorseRes.

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

5/17/2004

Window	Type		Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, DEF, N, N	N	1.5	7	45.0	0.0	45.0	29	29	1305	Btuh
2	1, Clear, DEF, N, N	N	1.5	8	40.0	0.0	40.0	29	29	1160	Btuh
3	1, Clear, DEF, N, N	N	1.5	5	6.0	0.0	6.0	29	29	174	Btuh
4	1, Clear, DEF, N, N	E	1.5	9	12.0	0.0	12.0	29	87	1044	Btuh
5	1, Clear, DEF, N, N	S	1.5	7	45.0	45.0	0.0	29	46	1305	Btuh
6	1, Clear, DEF, N, N	S	5.83	7	60.0	60.0	0.0	29	46	1740	Btuh
7	1, Clear, DEF, N, N	W	1.5	9	30.0	0.0	30.0	29	87	2610	Btuh
Window Total					238					9338 Btuh	
Walls	Type		R-Value		Area			HTM		Load	
	1	Frame - Exterior	13.0		1482.0			1.7		2579 Btuh	
	Wall Total			1482.0					2579 Btuh		
Doors	Type					Area		HTM		Load	
	1	Insulated - Exter				40.0		10.1		406 Btuh	
	2	Insulated - Exter				20.0		10.1		203 Btuh	
	3	Insulated - Exter				20.0		10.1		203 Btuh	
	Door Total			80.0					811 Btuh		
Ceilings	Type/Color		R-Value		Area			HTM		Load	
	1	Under Attic/Dark	30.0		2114.0			1.4		3002 Btuh	
	Ceiling Total			2114.0					3002 Btuh		
Floors	Type		R-Value		Size			HTM		Load	
	1	Slab-On-Grade Edge Insulation	0.0		200.0 ft(p)			0.0		0 Btuh	
	Floor Total			200.0					0 Btuh		
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.70		19026			222.4		4404 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total						222		4404 Btuh		

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

Totals for Cooling	Subtotal	23134 Btuh
	Duct gain(using duct multiplier of 0.10)	2313 Btuh
	Total sensible gain	25447 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7713 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		34540 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Danny & Heidi Morse

Project Title:
405172MorseRes.

Class 3 Rating
Registration No. 0
Climate: North

5/17/2004

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)

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 36-45-17-09049-012

248 SE Willowhaven
Lake City, FL 32

1. Description of property: (legal description of the property and street address or 911 address)
A part of the West 1/2 of Section 36, township 4 South, Range 17 East more particularly described as follows: Commence at the SW corner of said section 36 and run N. 89° 28' 19" E. Along the S. line 1329.29 feet thence N. 06° 39' 59" E, 1286.47 ft. to a point in Ebenezer Rd. thence cont. N. 06° 39' 59" E, 747.27 ft to the POB, thence cont. N. 06° 39' 59" E 382.73 ft. thence S. 73° 20' 19" E 188.54 ft, S 06° 39' 5
2. General description of improvement: One story SFD 321.64 ft thence S. 87° 58' 44" W 187.33 ft to POB Columbia C
3. Owner Name & Address 290 SE Willowhaven Ct. FL containing 1.5 acres
Lake City, FL 32025 Danny & Heidi Morse Interest in Property Owner
4. Name & Address of Fee Simple Owner (if other than owner): Owner
5. Contractor Name ~~NA~~ Daniel Morse Phone Number ~~NA~~ 752-582
Address ~~NA~~ 290 SE Willowhaven Ct. L.C. FL 32025
6. Surety Holders Name NA Phone Number NA
Address NA
Amount of Bond NA
7. Lender Name NA Inst: 2004013134 Date: 06/07/2004 Time: 11:00
Address NA YMK DC, P. DeWitt Cason, Columbia County B: 1017 P: 1824
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name NA Phone Number NA
Address NA
9. In addition to himself/herself the owner designates NA of NA
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee NA
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) June 4, 2005

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Daniel C Morse
Signature of Owner

Sworn to (or affirmed) and subscribed before
this day of June 4th, 2004

NOTARY STAMP
Commission #DD214293
Expires: Jun 22, 2007
Bonded Thru
Atlantic Bonding Co., Inc.

[Signature]
Signature of Notary

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

☒ Single Family Dwelling
☐ Farm Outbuilding

☐ Two-Family Residence
☐ Other _____

NEW CONSTRUCTION OR IMPROVEMENT

☒ New Construction ☐ Addition, Alteration, Modification or other Improvement

I Daniel & Heidi Morse, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Daniel C Morse
Signature

5/26/04
Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 6-18-04 Building Official/Representative Harry Dicks



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-6456
Tel. (904) 262-4046 • Fax (904) 262-4047

JOB NO.: 04-402
DATE TESTED: 08/26/04
DATE REPORTED: 08/27/04

REPORT OF IN-PLACE DENSITY TEST

PROJECT:	Morris Residence, Lake City, Florida
CLIENT:	Heldi Morris, 290 SE Willowhaven Court, Lake City, FL 32025
GENERAL CONTRACTOR:	Same as Client
EARTHWORK CONTRACTOR:	Same as Client
INSPECTOR:	Don Taylor
ASTM METHOD	
(D-2922) Nuclear	
SOIL USE	
BUILDING FILL	
SPECIFICATION REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1 A	15' E of SW Corner	0-12"	115.4	11.7	103.3	1	106.9	96.6% **
2 A	18' N of SE Corner	0-12"	112.3	9.3	102.7	1	106.9	98.1% **
3 A	28' E of NW Corner	0-12"	117.2	14.4	102.4	1	106.9	95.8% **
4 A	12' N of SW Corner	0-12"	115.3	12.8	102.2	1	106.9	95.8% **

REMARKS: ** Denotes Passing Retest After Further Compaction.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tannish Gray Sand with Silt	106.9	9.3	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer

Linda M. Creamer
President - CEO

cm

Reviewed By:

[Signature]

Date: 8/27/04
Florida Registration No: 52612

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

"Excellence in Engineering & Geoscience"

- 21978 -



Cal-Tech Testing, Inc.

• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456

6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)4047

permit # 21978

Richard

JOB NO.: 04-402

DATE TESTED: 8/6/2004

DATE REPORTED: 8/11/2004

REPORT OF IN-PLACE DENSITY TEST

PROJECT: Morris Residence, Lake City, Florida
CLIENT: Heidi Morris, 290 SE Willowhaven Court, Lake City, FL 32025
GENERAL CONTRACTOR: Same as Client
EARTHWORK CONTRACTOR: Same as Client
INSPECTOR: Mike Stalvey

ASTM METHOD (D-2922) Nuclear SOIL USE BUILDING FILL

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	15' SW of Corner (Footings)	0 - 12"	104.2	13.0	92.2	1	106.9	86.3%
2	18' N of SE Corner (Footings)	0 - 12"	104.3	9.3	95.4	1	106.9	89.3%
3	28' E of NW Corner (Footings)	0 - 12"	99.5	10.6	90.0	1	106.9	84.2%
4	12' N of SW Corner (Footings)	0 - 12"	106.5	9.5	97.3	1	106.9	91.0%
5	15' W x 6' N of SE Corner (Pad)	0 - 12"	107.5	5.6	101.8	1	106.9	95.2%
6	28' E x 8' S of NW Corner (Pad)	0-12"	111.1	5.4	105.4	1	106.9	98.6%
7	12' N x 10' E of SW Corner (Pad)	0 - 12"	107.3	5.1	102.1	1	106.9	95.5%

REMARKS: * Denotes Failing Density Test.

PROCTORS				
TEST NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Tannish Gray Sand with Silt	106.9	9.3	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda M. Creamer

Linda M. Creamer
President - CEO

cm

Reviewed By:

John C. Dorman

John C. Dorman, P.E., PhD
Florida Registration No.: 52612

Date: 8/12/04

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and

"Excellence in Engineering & Geoscience"

NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

Attn: Harry Dicks

Daniel & Heidi Morse permit # 21978

Notice of Treatment <u>11102</u>				
Applicator <u>Florida Pest Control & Chemical Co.</u>				
Address <u>536 SE TARA DR.</u>				
City <u>Lake City</u>		Phone <u>(386) 752-1703</u>		
Site Location Subdivision _____				
Lot# _____	Block# _____	Permit# <u>21978</u>		
Address _____				
AREAS TREATED				
Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body				
Patio/s #				
Stoop/s #				
Porch/s #				
Brick Veneer				
Extension Walls				
A/C Pad				
Walk/s #				
Exterior of Foundation				
Driveway Apron	<u>12-01-04</u>	<u>12:20</u>	<u>75</u>	<u>RDC Crawford</u>
Out Building				
Tub Trap/s				
(Other)				
Name of Product Applied <u>Dursban TC</u> <u>0.5</u> %				
Remarks _____				

Applicator - White • Permit File - Canary • Permit Holder - Pink

COLUMBIA COUNTY OFFICE OF 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 36-4S-17-09049-012

Building permit No. 000021978

Use Classification SFD, UTILITY

Fire: 56.70

Permit Holder OWNER BUILDER

Waste: 122.50

Owner of Building DANIEL & HEIDI MORSE

Total: 179.20

Location: 248 SE WILLOW HAVEN COURT, LAKE CITY

Date: 12/02/2004



Harry Dieke

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)