

DATE 03/02/2004

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT

000021571

APPLICANT DONALD EMRICK PHONE 352 472-3258
 ADDRESS 2413 NW 170TH STREET NEWBERRY FL 32669
 OWNER DONALD EMRICK PHONE 352 472-3258
 ADDRESS 776 SW COUNTY ROAD 778 HIGH SPRINGS FL 32643
 CONTRACTOR OWNER BUILDER PHONE _____
 LOCATION OF PROPERTY 441S, TR ON 778, 2ND DRIVE ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 102500.00
 HEATED FLOOR AREA 2050.00 TOTAL AREA 2591.00 HEIGHT .00 STORIES 1
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 5/12 FLOOR SLAB
 LAND USE & ZONING A-3 MAX. HEIGHT 14
 Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
 NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 16-7S-17-10006-101 SUBDIVISION SUMMERS ACRES
 LOT 1 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 10.00

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
 EXISTING 04-0177-N BK RJ
 Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: ONE FOOT ABOVE ROAD, NOC ON FILECheck # or Cash 1696**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 515.00 CERTIFICATION FEE \$ 12.96 SURCHARGE FEE \$ 12.96
 MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____
 FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ _____ TOTAL FEE 590.92

INSPECTORS OFFICE *[Signature]* CLERKS OFFICE *[Signature]*

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.

Building Permit Application

21571 / 21514
Existing driveway garage

Date 3 Feb 04

Application No. 0402-41

Applicants Name & Address Donald E Emrick Jr Phone 352-472-3258
2413 NW 170th St Newberry FL 32669
Owners Name & Address Emrick Trust Donald E Emrick Jr and Carole Walter Emrick Phone 352-472-3258
TTEES, 2413 NW 170th St Newberry FL 32669
Sole Simple Owners Name & Address Emrick Trust Donald E Emrick Jr and Carole Phone 352-472-3258
Walter Emrick TTEES, 2413 NW 170th St Newberry FL 32669
Contractors Name & Address Donald E Emrick Jr Phone 352-472-3258
413 NW 170th St Newberry FL 32669
Legal Description of Property See Tax Receipt of 11/7/03 Lot (1) of Summer Acres (CR 778)
Location of Property Scrub North on 441 from High Springs (4.2 miles from Hardy's Restaurant).
Turn left on CR 778. Go .6 miles. Lot (1) of Summers Acres on left (sign says "Donald E Emrick").
Tax Parcel Identification No. RL0006-101 - 16-75-17 Estimated Cost of Construction \$ 125,000.00
Type of Development House and detached Garage Number of Existing Dwellings on Property none
Comprehensive Plan Map Category A-3 Zoning Map Category A-3
Building Height 14'3" Number of Stories (1) Floor Area 2050 Heat 2050 Total Acreage in Development (.10)
Distance From Property Lines (Set Backs) Front 415 Side 209 Rear 331 Street Garage
Mood Zone X Certification Date Garage Development Permit A/A
Bonding Company Name & Address _____
Architect/Engineer Name & Address Gary Paulter 1215 NW 16th Ave Gainesville FL 32601
Mortgage Lenders Name & Address (none)

Application is hereby made to obtain a permit to do the 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 will 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 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.

Donald E Emrick Jr
Owner or Agent (including contractor)

Donald E Emrick Jr
Contractor
RBO020527 (Columbia County 5093)
Contractor License Number

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this _____ day of _____ by _____

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this _____ day of _____ by _____

Personally Known _____ OR Produced Identification

Personally Known _____ OR Produced Identification

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner		House:
<input checked="" type="checkbox"/>	<input type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.	2050 Heat 2591 Total Gar: 864
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Site Plan including:</u> a) Dimensions of lot N 581, S 533, E 783, W 782 b) Dimensions of building set backs Minimum 100' front; 50' sides/back c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. Utility Eas: East Line 20' d) Provide a full legal description of property.	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifiaily designed by the registered design professional	
<input type="checkbox"/>	<input type="checkbox"/>	<u>Elevations including:</u> a) All sides Minimum 100' front; 50' sides/back	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	b) Roof pitch Both House/Garage 5/12	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c) Overhang dimensions and detail with attic ventilation Both: 2'0"; vent alum soffit; cont ridge vents	
<input type="checkbox"/> N/A	<input type="checkbox"/>	d) Location, size and height above roof of chimneys	
<input type="checkbox"/> N/A	<input type="checkbox"/>	e) Location and size of skylights	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	f) Building height Approx 14'3" to ridge	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	g) Number of stories Both (1)	

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Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

2/8 door at B-2

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement Mortar S or N
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports Fiber mesh
 - 11. Indicate where pressure treated wood will be placed Sole plates
 - 12. Provide insulation R value for the following:
 - a. Attic space R-30
 - b. Exterior wall cavity R-5
 - c. Crawl space (if applicable) N/A

☐ N/A ☐

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☐ N/A ☐

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

☐ N/A ☐

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Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s) 200 House/100 Garage
- e) Meter location with type of service entrance (overhead or underground) Clay Elec
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

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☐ N/A ☐

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HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

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☐ N/A ☐

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

- a) Size of pump motor (1) or (1½) HP
- b) Size of pressure tank (82) gal diaphragm
- c) Cycle stop valve if used Yes (Aqua Genie)

4

9

OAK

RIDGE

ROAD

5

ZONE X

16

6

41

411

25

ZONE X

0402-41

10
23
-72
21

CAM112M01 S CamaUSA Appraisal System
 2/16/2004 13:51 Legal Description Maintenance
 Year T Property Sel
 2004 R 16-7S-17-10006-101

Columbia County
 35000 Land 001
 AG 000
 Bldg 000
 Xfea 000
 35000 TOTAL B

SUMMERS ACRES UNREC
 EMRICK DONALD EUGENE JR &

1	AKA LOT 1 SUMMERS ACRES	UNREC: (LOT 1) COMM NW COR,	2
3	RN S 80.15 FT TO S R/W CR-778,	E ALONG R/W 1285.10 FT FOR	4
5	POB, CONT E 581.01 FT, S	783.33 FT, W 533.04 FT, N	6
7	782.02 FT TO POB.	ORB 981-1147,	8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 10/23/2003 KYLIE

F1=Task F3=Exit F4=Prompt F10=GoTo PGUP/PGDN F24=MoreKeys

Permit No. _____

Tax Parcel No. R10006-101

COLUMBIA COUNTY NOTICE OF COMMENCEMENT

Inst:2004003398 Date:02/16/2004 Time:14:28

PKK DC, P. DeWitt Cason, Columbia County B:1007 P:576

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: (legal description of the property, and street address if available.)

Lot 1 Summers Acres Unrec CR 778

2. General description of improvement: New Construction House and Garage

3. Owner Information:

A. Name and address:

Emrick Trust Donald E Emrick Jr and Carole Walter Emrick **TEES**

2413 NW 170th St Newberry FL 32669

B. Interest in property:

Fee Simple

C. Name and address of fee simple titleholder (if other than owner):

4. Contractor: (name and address)

Donald E Emrick Jr 2413 NW 170th St Newberry FL 32669

5. Surety

A. Name and address:

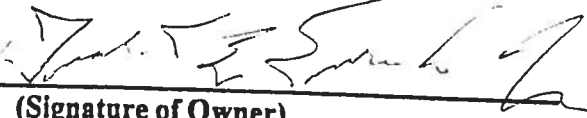
B. Amount of bond:

6. Lender: (name and address) (none)

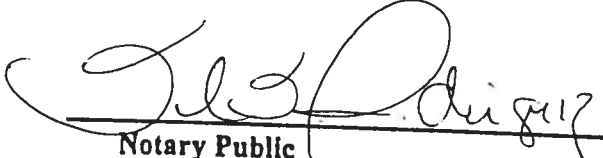
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 718.13 (1) (a) 7., Florida Statutes: (name and address) (none)

8. In addition to himself, owner designates (none)
of _____ to receive a copy of
the Lienor's Notice as provided in Section 713.13 (1) (a) 7., Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the
date of recording unless a different date is specified) _____.

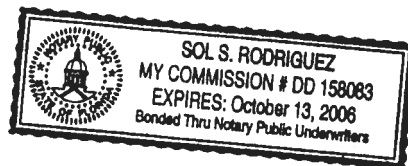

(Signature of Owner)

SWORN TO and subscribed before me this 16th day of February,
19 2004


Notary Public

(NOTARIAL
SEAL)

My Commission Expires: 10/13/2006



Inst:2004003398 Date:02/16/2004 Time:14:28
DC,P.DeWitt Cason,Columbia County B:1007 P:577

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: 2-10-04

ENHANCED 9-1-1 ADDRESS:

776 SW County Road 778 (High Springs, FL)
32643

Addressed Location 911 Phone Number: N/A

OCCUPANT NAME: Donald & Carole Emrick

OCCUPANT CURRENT MAILING ADDRESS: 2413 NW 170TH ST.
Newberry, FL. 32669.

PROPERTY APPRAISER MAP SHEET NUMBER: 135

PROPERTY APPRAISER PARCEL NUMBER: 16-75-17-10006-101

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: LOT 1, Summers Acres Ugr S/D.

Address Issued By: 
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.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **2050 MODEL**
Address:
City, State: ,
Owner:
Climate Zone: **North**

Builder: **DON EMRICK BUILDERS**
Permitting Office:
Permit Number: **21571/21572**
Jurisdiction Number: **24000**

- | | | | | | |
|--|--------------------------------|-----------------------|--|-------------------|-----|
| 1. New construction or existing | New | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 42.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family | 1 | ___ | | SEER: 12.00 | ___ |
| 4. Number of Bedrooms | 3 | ___ | b. N/A | | ___ |
| 5. Is this a worst case? | Yes | ___ | c. N/A | | ___ |
| 6. Conditioned floor area (ft ²) | 2050 ft ² | ___ | | | ___ |
| 7. Glass area & type | Single Pane | Double Pane | 13. Heating systems | | |
| a. Clear glass, default U-factor | 0.0 ft ² | 213.0 ft ² | a. Electric Heat Pump | Cap: 40.0 kBtu/hr | ___ |
| b. Default tint | 0.0 ft ² | 0.0 ft ² | | HSPF: 7.00 | ___ |
| c. Labeled U or SHGC | 0.0 ft ² | 0.0 ft ² | b. N/A | | ___ |
| 8. Floor types | | | c. N/A | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 202.0(p) ft | ___ | | | ___ |
| b. N/A | | ___ | 14. Hot water systems | | |
| c. N/A | | ___ | a. Electric Resistance | Cap: 40.0 gallons | ___ |
| 9. Wall types | | | | EF: 0.88 | ___ |
| a. Frame, Wood, Adjacent | R=11.0, 192.0 ft ² | ___ | b. N/A | | ___ |
| b. Concrete, Int Insul, Exterior | R=4.2, 1424.0 ft ² | ___ | c. Conservation credits | | ___ |
| c. N/A | | ___ | (HR-Heat recovery, Solar | | ___ |
| d. N/A | | ___ | DHP-Dedicated heat pump) | | ___ |
| e. N/A | | ___ | 15. HVAC credits | | ___ |
| 10. Ceiling types | | | (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| a. Under Attic | R=30.0, 2050.0 ft ² | ___ | HF-Whole house fan, | | ___ |
| b. Under Attic | R=19.0, 150.0 ft ² | ___ | PT-Programmable Thermostat, | | ___ |
| c. N/A | | ___ | MZ-C-Multizone cooling, | | ___ |
| 11. Ducts | | | MZ-H-Multizone heating) | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 110.0 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.10

Total as-built points: 28809

Total base points: 30000

PASS

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

PREPARED BY: SUNCOAST INSULATORS

DATE: 2/6/04

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: _____

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.	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
Number of Bedrooms	X	Multiplier	= Total							
3		2746.00	8238.0	40.0	0.88	3	1.00	2746.00	1.00	8238.0
As-Built Total:										8238.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
11622		10140		8238 30000	8115		12456		8238 28809

PASS



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X WPM X WOF = Point							
.18	2050.0	12.74	4701.1	Double, Clear	E	2.0	6.0	64.0	18.79	1.06	1275.6
				Double, Clear	W	2.0	6.0	116.0	20.73	1.04	2507.2
				Double, Clear	N	2.0	6.0	33.0	24.58	1.00	814.9
				As-Built Total:				213.0	4597.6		
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	192.0	3.60	691.2	Frame, Wood, Adjacent			11.0	192.0	3.60		691.2
Exterior	1424.0	3.70	5268.8	Concrete, Int Insul, Exterior			4.2	1424.0	6.34		9028.2
Base Total:				As-Built Total:				1616.0	9719.4		
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	19.0	11.50	218.5	Exterior Insulated				40.0	8.40		336.0
Exterior	40.0	12.30	492.0	Adjacent Insulated				19.0	8.00		152.0
Base Total:				As-Built Total:				59.0	488.0		
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	2050.0	2.05	4202.5	Under Attic			30.0	2050.0	2.05 X 1.00		4202.5
				Under Attic			19.0	150.0	2.70 X 1.00		405.0
Base Total:				As-Built Total:				2200.0	4607.5		
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	202.0(p)	8.9	1797.8	Slab-On-Grade Edge Insulation			0.0	202.0(p)	18.80		3797.6
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				202.0	3797.6		
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2050.0 -0.59 -1209.5				2050.0 -0.59 -1209.5							
Winter Base Points: 16162.4				Winter As-Built Points: 22000.6							
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)							
16162.4 0.6274 10140.3				22000.6 1.00 1.162 0.487 1.000 12455.6							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points							
.18	2050.0	20.04	7394.8	Double, Clear	E	2.0	6.0	64.0	42.06	0.85	2282.9
				Double, Clear	W	2.0	6.0	116.0	38.52	0.85	3795.8
				Double, Clear	N	2.0	6.0	33.0	19.20	0.90	570.3
				As-Built Total: 213.0 6649.0							
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	192.0	0.70	134.4	Frame, Wood, Adjacent			11.0	192.0	0.70		134.4
Exterior	1424.0	1.70	2420.8	Concrete, Int Insul, Exterior			4.2	1424.0	1.12		1594.9
Base Total: 1616.0 2555.2				As-Built Total: 1616.0 1729.3							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	19.0	2.40	45.6	Exterior Insulated				40.0	4.10		164.0
Exterior	40.0	6.10	244.0	Adjacent Insulated				19.0	1.60		30.4
Base Total: 59.0 289.6				As-Built Total: 59.0 194.4							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	2050.0	1.73	3546.5	Under Attic			30.0	2050.0	1.73 X 1.00		3546.5
				Under Attic			19.0	150.0	2.34 X 1.00		351.0
Base Total: 2050.0 3546.5				As-Built Total: 2200.0 3897.5							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	202.0(p)	-37.0	-7474.0	Slab-On-Grade Edge Insulation			0.0	202.0(p)	-41.20		-8322.4
Raised	0.0	0.00	0.0								
Base Total: -7474.0				As-Built Total: 202.0 -8322.4							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
2050.0 10.21 20930.5				2050.0 10.21 20930.5							
Summer Base Points: 27242.6				Summer As-Built Points: 25078.3							
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)							
27242.6	0.4266	11621.7		25078.3	1.000	(1.090 x 1.147 x 0.91)	0.284	1.000	8114.9		
				25078.3	1.00	1.138	0.284	1.000	8114.9		

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.0

The higher the score, the more efficient the home.

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 42.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2050 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft ² 213.0 ft ²	a. Electric Heat Pump	Cap: 40.0 kBtu/hr
b. Clear - double pane	0.0 ft ² 0.0 ft ²		HSPF: 7.00
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, 202.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.88
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Adjacent	R=11.0, 192.0 ft ²	(HR-Heat recovery, Solar	
b. Concrete, Int Insul, Exterior	R=4.2, 1424.0 ft ²	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, 2050.0 ft ²	MZ-C-Multizone cooling,	
b. Under Attic	R=19.0, 150.0 ft ²	MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 110.0 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)

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-754-6749

March 30, 2003

Building and Zoning, Columbia County, Florida

Re: Site Evaluation, Don Emrick Residence, Columbia County, FL

Dear Building Inspector:

I have reviewed the Flood Insurance Rate Map and performed a site evaluation for the Don Emrick Residence, Lot 1 Summers Acres, Columbia County, FL, Parcel ID 16-7S-17-10006-101. The existing grade elevation within the building perimeter is less than one foot above the adjacent unpaved road.

However, it is visually apparent based on the owner's observations that the lot grade generally slopes down toward the south east, (away from the building site), and from there on toward the river. This is confirmed in the attached topographic data. There is an existing home on adjacent property with finished floor elevation lower than existing grade at Emrick site. I recommend the finished floor elevation be a minimum of 12" above the existing grade elevation within the building perimeter to avoid flood and water damage.

Grade the perimeter so that all runoff drains away from the building.

FBC 2001, SECTION 1804 FOOTINGS AND FOUNDATIONS

§1804.1 General

§1804.1.1 Foundations shall be built on undisturbed soil or properly compacted fill material. Foundations shall be constructed of materials described in this chapter.

§1804.1.2 Pile foundations shall be designed and constructed in accordance with §1805.

§1804.1.3 The bottom of foundations shall extend no less than 12 inches (305 mm) below finish grade.

§1804.1.4 Temporary buildings and buildings not exceeding one story in height and 400 sq ft (37 m²) in area shall be exempt from these requirements.


§1804.1.5 Excavations for foundations shall be backfilled with soil which is free of organic material, construction debris and large rocks.

§1804.1.6 Where water impacts the ground from a roof valley, downspout, scupper or other rain water collection or diversion device, provisions shall be made to prevent soil erosion and direct the water away from the foundation.

§1804.1.7 Finish grade shall be sloped away from the foundation for drainage.

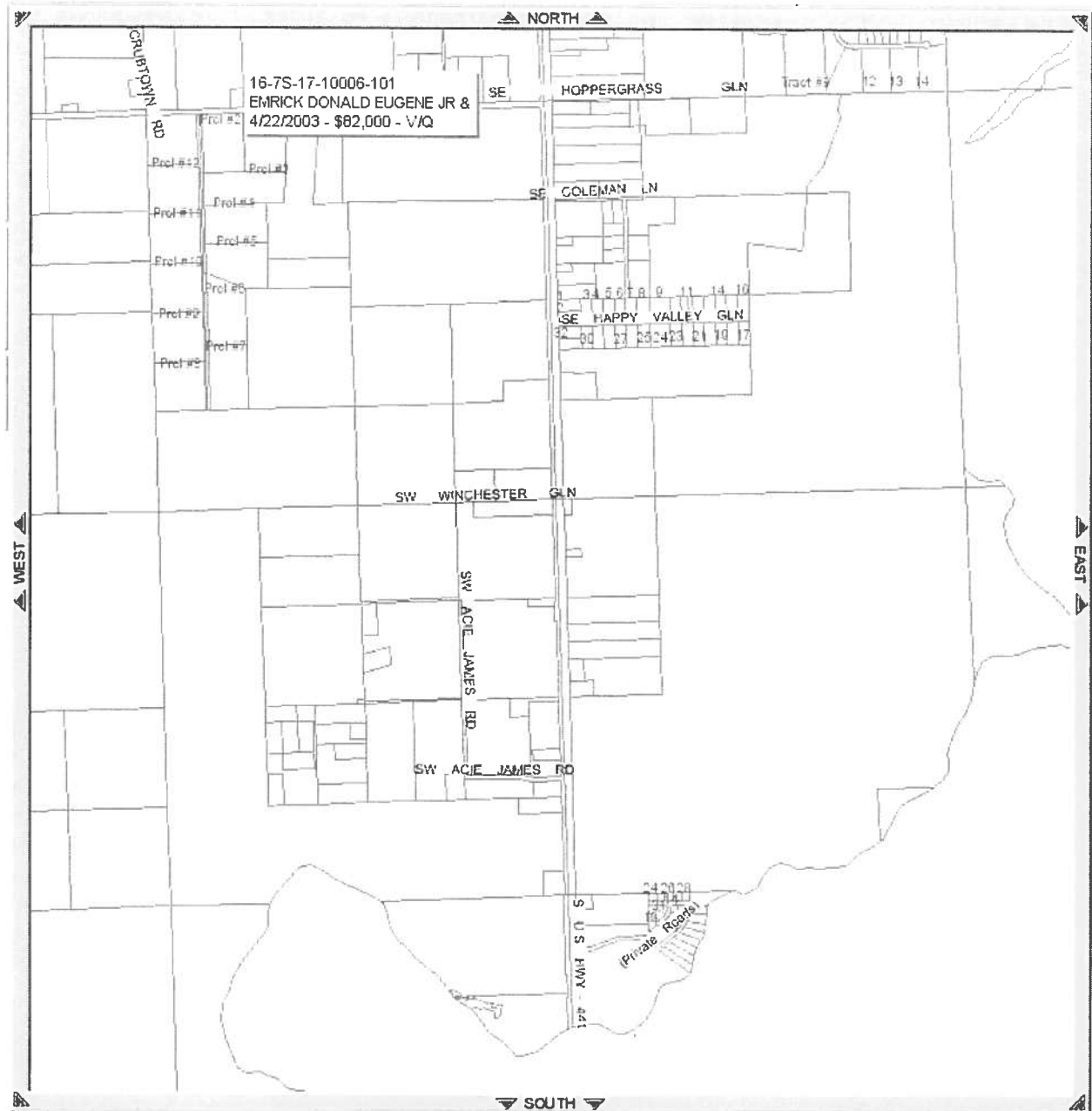
§1804.1.8 The area under footings, foundations and concrete slabs on grade shall have all vegetation, stumps, roots and foreign materials removed prior to their construction. Fill material shall be free of vegetation and foreign material.

Sincerely,


30 MAR 04

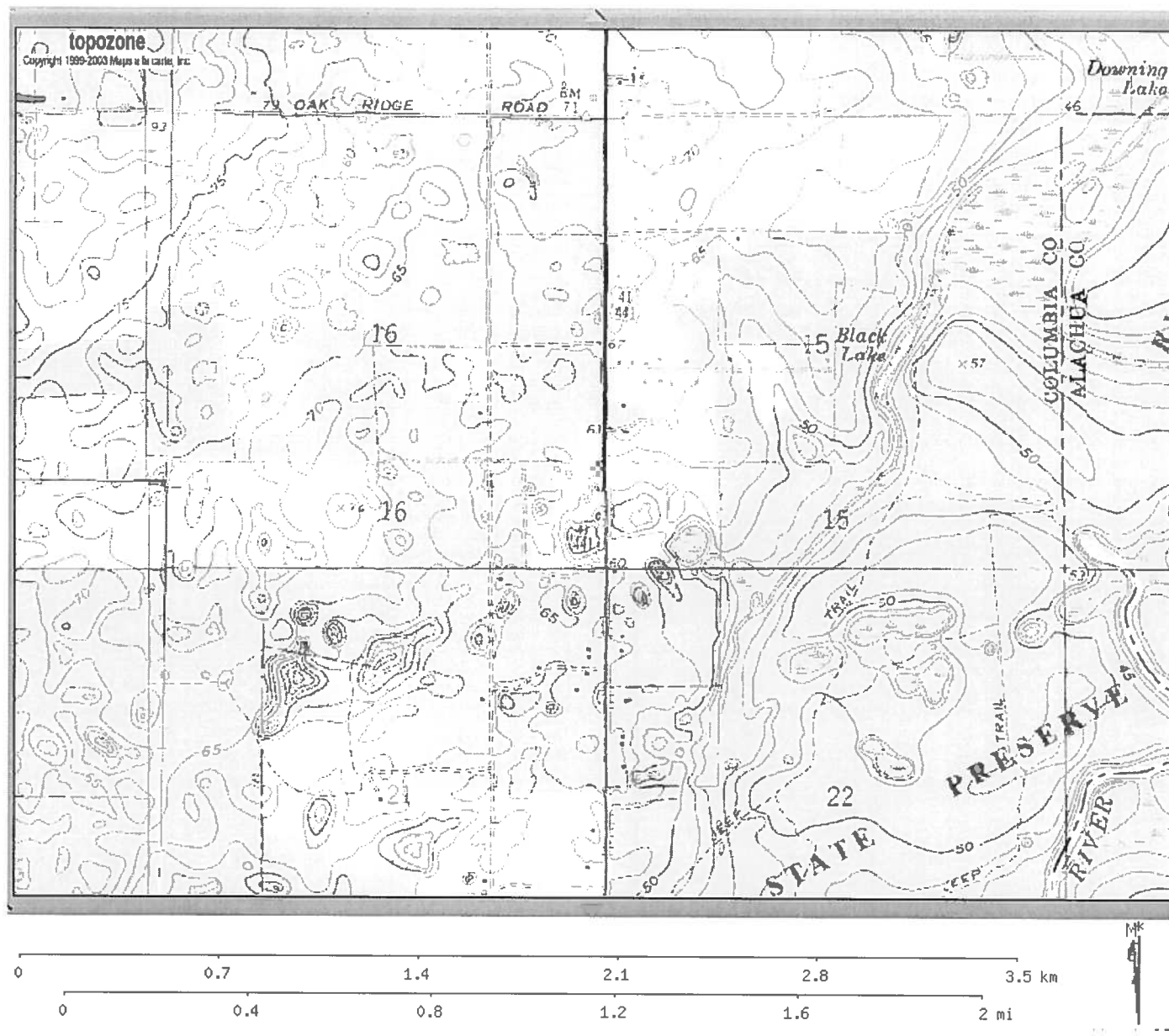
Mark Disosway, PE

#21571/21572



USGS Mikesville Quad

View *TopoZone Pro* aerial photos, shaded relief, street maps, interactive coordinate display, and elevation data





CAMPBELL'S
PEST CONTROL, INC.
P.O. Box 1619
Newberry, FL 32669
(352) 332-0048
(352) 472-5455

NOTICE OF PREVENTIVE TREATMENT FOR TERMITES

As required by Florida Building Code (FBC) 104.2.6

Date 5-6-04 Job # _____ Permit # 21571 Retreat Date _____

Owner Don Emerick Sq. Ft. 2591 Linear Ft. _____

Address of house to be treated 576 SW CR 578 Applicator: Torn

High Springs

Builder's Name Don Emerick Lot # 1 Subdivision Summer Woods

STAGE OF TREATMENT

Chemical used: Decon To 332.22 Percent Concentration: 1.25% Gallons of water applied: 260

	Main Body	Porches	Garages	Patios	Brick Veneer	AC Pad	Driveways	Walks	Out Building	Other	Final
Date	<u>5/6/04</u>	<u>5/6/04</u>	<u>5/6/04</u>								
Time	<u>8:40 AM</u>	<u>8:40 AM</u>	<u>8:40 AM</u>								
Initials	<u>TD</u>	<u>TD</u>	<u>TD</u>								

Remarks: Inspected Slab

As per FBC 104.2.6 - If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.
If this notice is for final exterior treatment, initial and date this line: _____

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 16-7S-17-10006-101

Building permit No. 000021571

Use Classification SFD, UTILITY

Fire: 41.30

Permit Holder OWNER BUILDER

Waste: 61.25

Owner of Building DONALD EMRICK

Total: 102.55

Location: 776 SW CR 778(SUMMERS ACRES, LOT 1)

Date: 05/09/2006

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)