

DATE 01/28/2004

**Columbia County Building Permit**

This Permit Expires One Year From the Date of Issue

**PERMIT****000021453**

APPLICANT MATTHEW ERKINGER PHONE 754-555

ADDRESS 248 SE NASSAU STREET LAKE CITY FL 32025

OWNER EGIDIO DIPOL PHONE 954 647-4347

ADDRESS 178 SW JONES TERRACE LAKE CITY FL 32025

CONTRACTOR MATTHEW ERKINGER PHONE \_\_\_\_\_

LOCATION OF PROPERTY TUSKENUGGEE, TL ON SW PACKARD STREET, TR ON SW JONES TERRACE  
DRIVEWAY ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 97100.00

HEATED FLOOR AREA 1942.00 TOTAL AREA 2869.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 26

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 20-4S-17-08585-006 SUBDIVISION \_\_\_\_\_

LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 5.00

000000186 \_\_\_\_\_ RR0067135 \_\_\_\_\_

Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_

WAIVER 04-0025-N BK \_\_\_\_\_ JK \_\_\_\_\_ Y \_\_\_\_\_

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

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILECheck # or Cash 5418**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 \_\_\_\_\_ 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 \_\_\_\_\_ 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 \$ 490.00 CERTIFICATION FEE \$ 14.35 SURCHARGE FEE \$ 14.35

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

FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ \_\_\_\_\_ **TOTAL FEE** 568.70

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 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

196/ 21453

Application No. 0401-16

Date 1-8-04

Applicants Name & Address ERKINGER HOME BUILDERS, INC Phone 754-5555  
248 SE NASSAU STREET LAKE CITY, FL 32025

Owners Name & Address EGIDIO (GINO) DIPOL Phone (954)647-4347  
5320 SW 10TH COURT, PLANTATION, FLORIDA 33317

See Simple Owners Name & Address - Phone -

Contractors Name & Address ERKINGER HOME BUILDERS, INC Phone 754-5555

Legal Description of Property SEE EXHIBIT "A" ATTACHED HERETO  
178 SW JONES TERRACE, LAKE CITY, FL 32025

Location of Property SOUTH ON TUSKAWUGGE ROAD FROM 41 S., TURN LEFT SW PALMARD ST. (DIRT)  
Driving Directions TURN RIGHT SW JONES TERRACE, DRIVEWAY EHB SIGN ON RIGHT

Tax Parcel Identification No. 20-45-17-08585-006 Estimated Cost of Construction \$ 100,000

Type of Development RES Number of Existing Dwellings on Property 0

Comprehensive Plan Map Category A-3 Zoning Map Category A-3

Building Height 26' Number of Stories 1 Floor Area 2807<sup>sq</sup> Total Acreage in Development 5

Distance From Property Lines (Set Backs) Front 200'± Side 75'± Rear 75'± Street 200'±

Flood Zone X Certification Date - Development Permit N/A

Bonding Company Name & Address -

Architect/Engineer Name & Address MARK DISOSWAY

Mortgage Lenders Name & Address FIRST FEDERAL

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.

**ERKINGER HOME BUILDERS, INC.**

Reg. # RR0067135

248 Southeast Nassau Street  
Lake City, Florida 32025

386-754-5555

Owner or Agent (including contractor)

Contractor

RR0067135

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

EXHIBIT "A"

COMMENCE AT THE SE CORNER OF THE NW 1/4 OF THE SE 1/4 OF SECTION 20, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE S.88°44'36"W., 13.42 FEET; THENCE N.01°41'54"W., 650.25 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N.01°41'54"W., 323.41 FEET; THENCE S.88°20'51"W., 675.00 FEET; THENCE S.01°41'54"E., 323.95 FEET; THENCE N.88°18'06"E., 675.00 FEET TO THE POINT OF BEGINNING. LESS AND EXCEPT THE NORTH 41.97 FEET THEREOF.

ALSO TOGETHER WITH:

COMMENCE AT THE SE CORNER OF THE NW 1/4 OF THE SE 1/4 OF SECTION 20, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE S.88°44'36"W., 13.42 FEET; THENCE N.01°41'54"W., 650.25 FEET; THENCE S.88°18'06"W., 675.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.88°18'06"W., 105.72 FEET; THENCE N.01°41'14"W., 273.12 FEET; THENCE N.88°23'51"E., 105.67 FEET; THENCE S.01°41'54"E., 272.95 FEET TO THE POINT OF BEGINNING.

Inst:2003027655 Date:12/23/2003 Time:15:29

DC,P.DeWitt Cason,Columbia County B:1002 P:2979

**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.

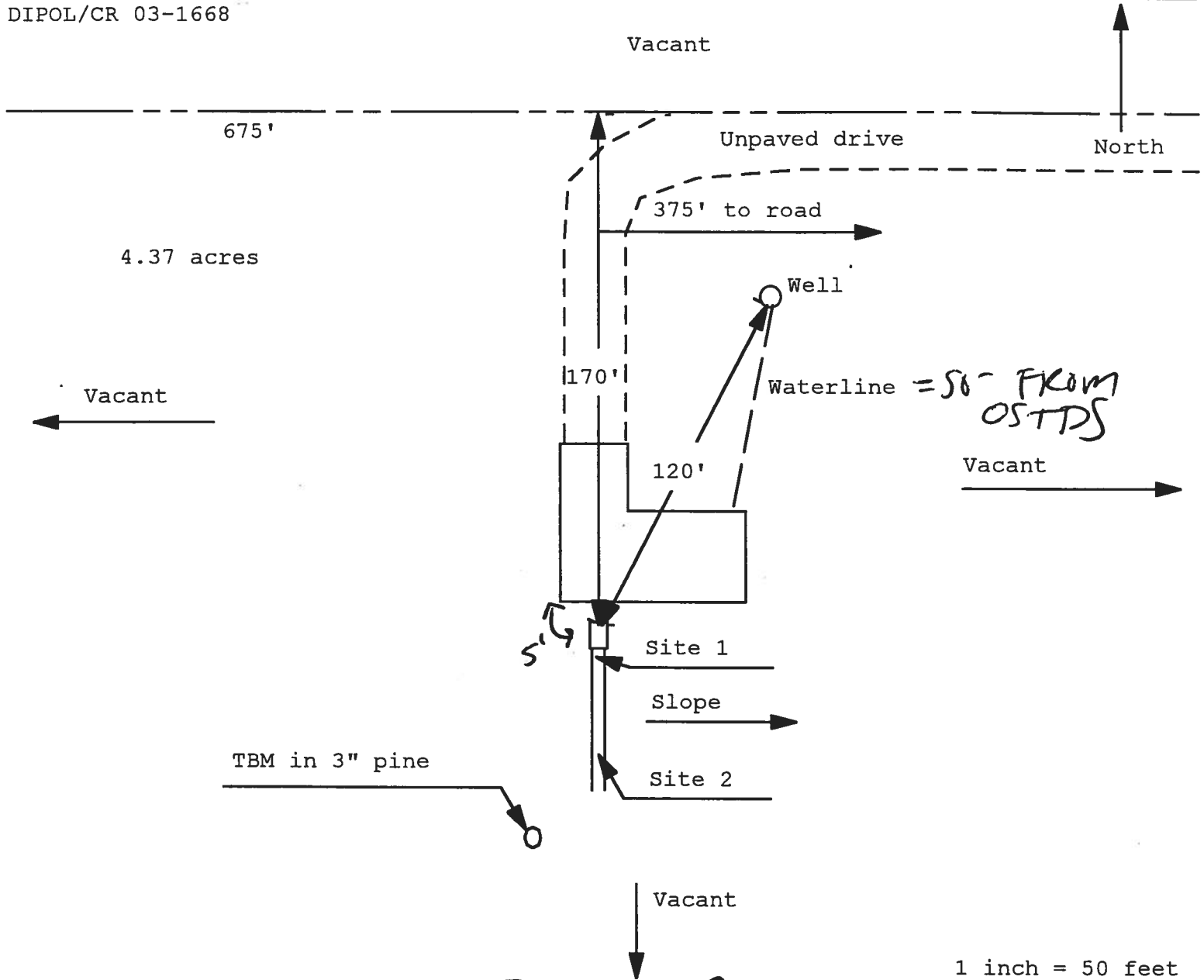
**DATE ISSUED:** December 30, 2003**ENHANCED 9-1-1 ADDRESS:**178 SW JONES TER (LAKE CITY, FL 32025)**Addressed Location 911 Phone Number:** NOT AVAIL.**OCCUPANT NAME:** NOT AVAIL.**OCCUPANT CURRENT MAILING ADDRESS:** \_\_\_\_\_**PROPERTY APPRAISER MAP SHEET NUMBER:** 98D**PROPERTY APPRAISER PARCEL NUMBER:** 20-4S-17-08585-006**Other Contact Phone Number (If any):** \_\_\_\_\_**Building Permit Number (If known):** \_\_\_\_\_**Remarks:** \_\_\_\_\_**Address Issued By:** 

Columbia County 9-1-1 Addressing Department

Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 04-0025N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

DIPOL/CR 03-1668



Site Plan Submitted By Paul Lloyd Date 1/2/04  
Plan Approved ✓ Not Approved    Date 11/2/04  
By Paul Lloyd Salhi Haddy CPHU  
Notes: ESI. COLUMBIA

THIS INSTRUMENT WAS PREPARED BY:  
FIRST FEDERAL SAVINGS BANK OF FLORIDA  
4705 WEST U.S. HIGHWAY 90  
P.O. BOX 2029  
LAKE CITY, FLORIDA 32056

Inst:2003027655 Date:12/23/2003 Time:15:29  
DC, P. Dewitt Cason, Columbia County B:1002 P:2978

PERMIT NO. \_\_\_\_\_

TAX FOLIO NO. \_\_\_\_\_

## NOTICE OF COMMENCEMENT

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: SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.
2. General description of improvement: Construction of Dwelling
3. Owner information:
  - a. Name and address: EGIDIO DIPOL  
5320 SW 10th Court, Plantation, FL 33317
  - b. Interest in property: Fee Simple
  - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): ERKINGER HOME BUILDERS, INC.  
248 SE Nassau Street, Lake City, FL 32025
5. Surety:
  - a. Name and address: \_\_\_\_\_



STATE OF FLORIDA, COUNTY OF COLUMBIA  
I HEREBY CERTIFY that the above and foregoing  
is a true copy of the instrument filed in this office  
P. DEWITT CASON, CLERK OF COURTS

BY B. Cason

EXHIBIT "A"

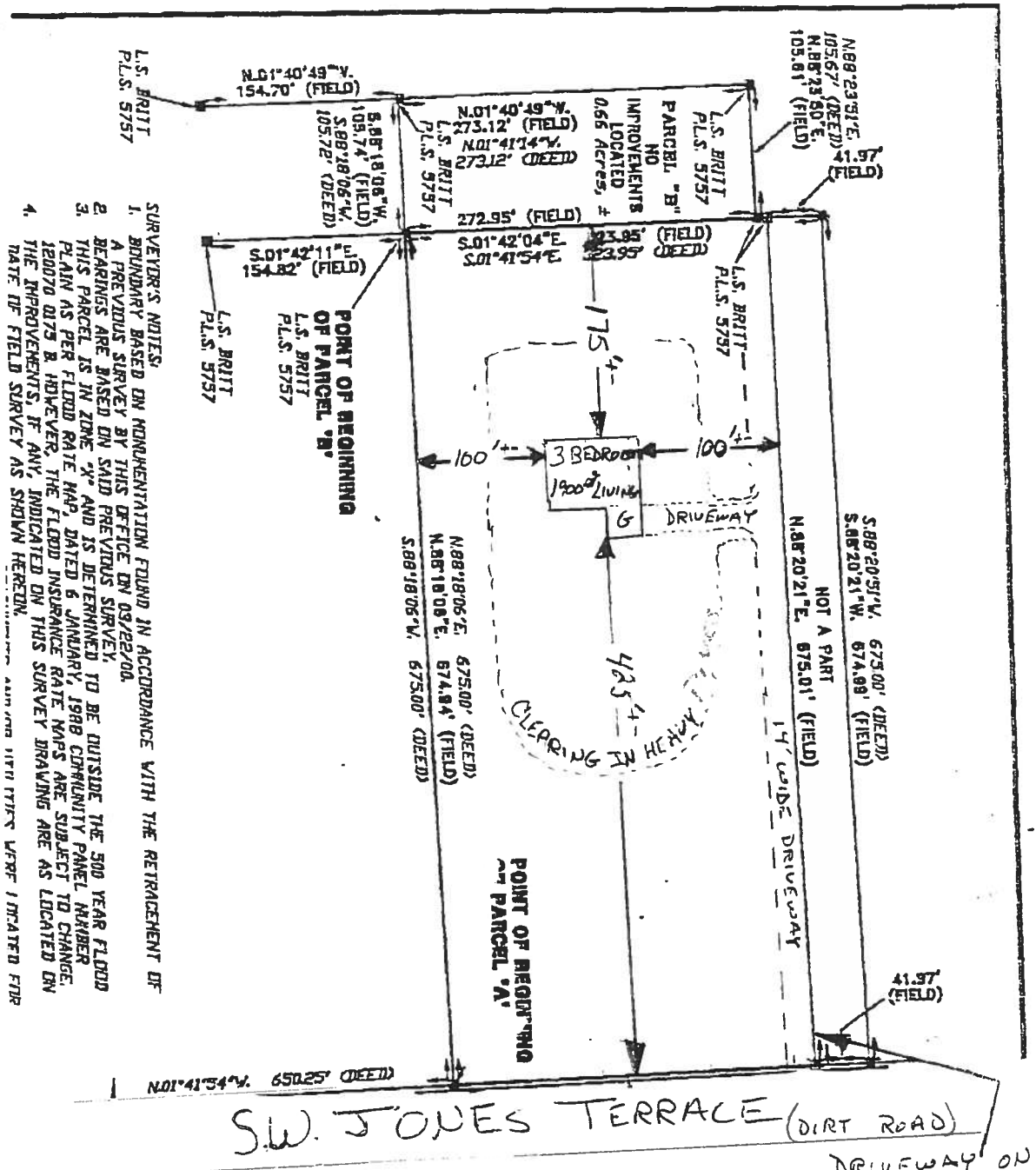
CUMMENCE AT THE SE CORNER OF THE NW 1/4 OF THE SE 1/4 OF SECTION 20, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE S.88°44'36"W., 13.42 FEET; THENCE N.01°41'54"W., 650.25 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE N.01°41'54"W., 323.41 FEET; THENCE S.88°20'51"W., 675.00 FEET; THENCE S.01°41'54"E., 323.95 FEET; THENCE N.88°18'06"E., 675.00 FEET TO THE POINT OF BEGINNING. LESS AND EXCEPT THE NORTH 41.97 FEET THEREOF.

ALSO TOGETHER WITH:

CUMMENCE AT THE SE CORNER OF THE NW 1/4 OF THE SE 1/4 OF SECTION 20, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN THENCE S.88°44'36"W., 13.42 FEET; THENCE N.01°41'54"W., 650.25 FEET; THENCE S.88°18'06"W., 675.00 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE S.88°18'06"W., 105.72 FEET; THENCE N.01°41'14"W., 273.12 FEET; THENCE N.88°23'51"E., 105.67 FEET; THENCE S.01°41'54"E., 272.95 FEET TO THE POINT OF BEGINNING.

Inst:2003027655 Date:12/23/2003 Time:15:29

\_\_\_\_DC,P.DeWitt Cason,Columbia County B:1002 P:2979



DIPOL - PLOT PLAN



THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 01-505  
POST OFFICE BOX 1328  
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID  
POST OFFICE BOX 1328  
LAKE CITY, FL 32056-1328

Property Appraiser's  
Identification Number  
Part of R08585-000

Inst:2003008939 Date:04/30/2003 Time:09:11

Loc Stamp-Deed : 230.30

MLK DC, P. DeWitt Cason, Columbia County B:981 P:2476

### WARRANTY DEED

THIS INDENTURE, made this 25th day of April, 2003, BETWEEN  
PETER W. GIEBEIG, A Single Person, whose post office address is  
Post Office Box 1384, Lake City, FL 32056, of the County of  
Columbia, State of Florida, grantor\*, and EGIDIO DiPOL whose post  
office address is 5320 SW 10th Court, Plantation, Florida 33317, of  
the State of Florida, grantee\*.

WITNESSETH: that said grantor, for and in consideration of  
the sum of Ten Dollars (\$10.00), and other good and valuable  
considerations to said grantor in hand paid by said grantee, the  
receipt whereof is hereby acknowledged, has granted, bargained and  
sold to the said grantee, and grantee's heirs and assigns forever,  
the following described land, situate, lying and being in Columbia  
County, Florida, to-wit:

AS DESCRIBED IN EXHIBIT "A" ATTACHED.

SUBJECT TO: Restrictions, easements and outstanding  
mineral rights of record, if any, and taxes for the  
current year.

and said grantor does hereby fully warrant the title to said  
land, and will defend the same against the lawful claims of all  
persons whomsoever.

\*"Grantor" and "grantee" are used for singular or plural, as  
context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand  
and seal the day and year first above written.

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(Inst:2003008939 Date:04/30/2003 Time:09:11

Loc Stamp-Deed : 230.30

MRK DC, P. DeWitt Cason, Columbia County B:981 P:2478

Signed, sealed and delivered  
in our presence:

[Signature]  
(Signature of First Witness)

Terry McDavid

(Typed Name of First Witness)

[Signature]  
(Signature of Second Witness)

Lisa C. Ogburn

(Typed Name of Second Witness)

[Signature] (SEAL)  
Grantor

PETER W. GIEBEIG

Printed Name

Inst:2003008939 Date:04/30/2003 Time:09:11  
Doc Stamp-Deed : 230.30

[Signature] DC, P. DeWitt Cason, Columbia County B:981 P:2477

STATE OF Florida  
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 25th  
day of April, 2003, by PETER W. GIEBEIG, A Single Person, who is  
personally known to me and who did not take an oath.

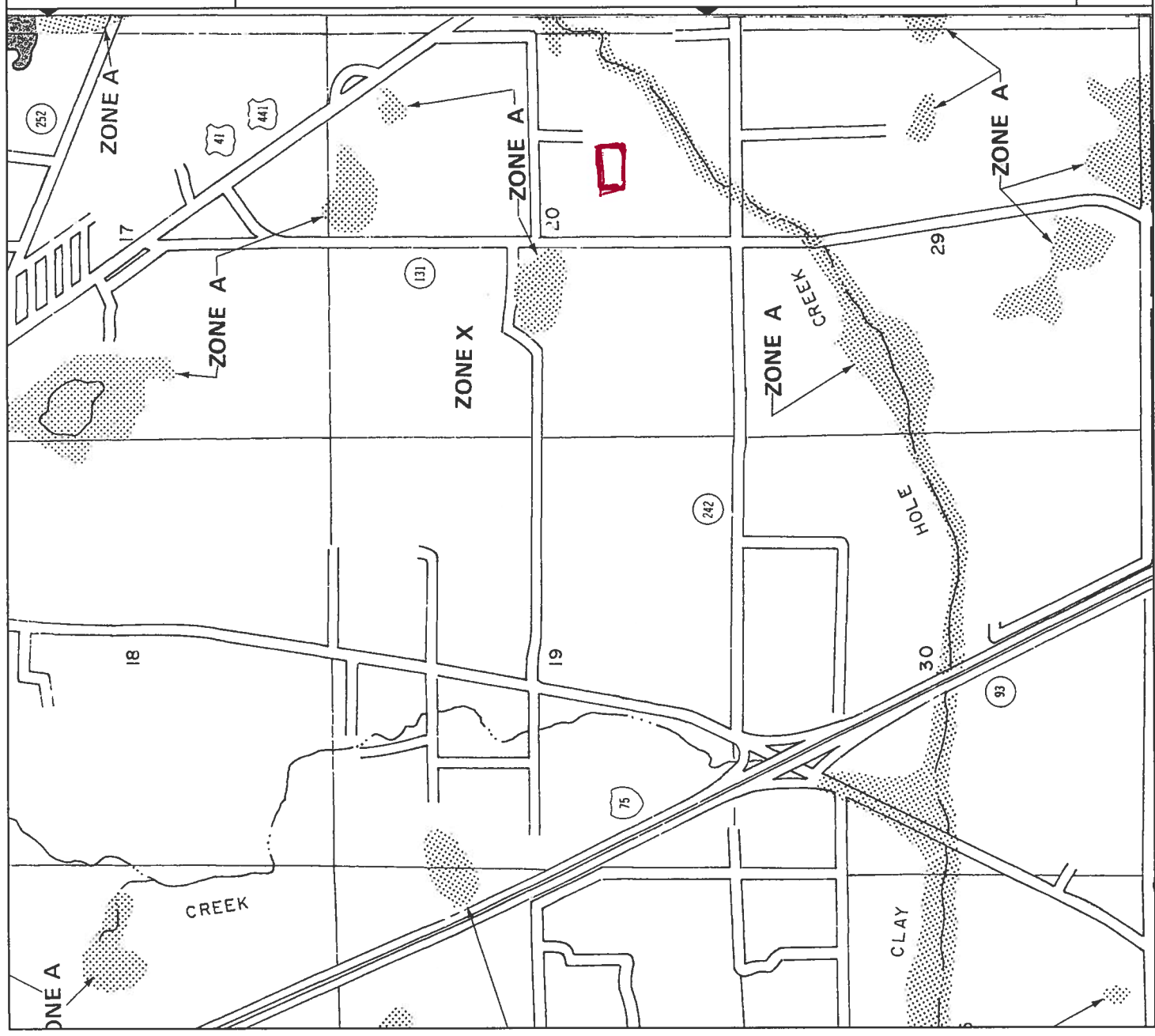
My Commission Expires:

[Signature]  
Notary Public

Printed, typed, or stamped name:



0401-16



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM**  
FLOOD INSURANCE RATE MAP

COLUMBIA  
COUNTY,  
FLORIDA  
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER  
120070 0175 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/nfls](http://www.fema.gov/nfls).

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

## Florida Department of Community Affairs Residential Whole Building Performance Method A

|               |                      |                      |                       |
|---------------|----------------------|----------------------|-----------------------|
| Project Name: | <b>Gido Dipol</b>    | Builder:             | <b>Erkinger Homes</b> |
| Address:      |                      | Permitting Office:   |                       |
| City, State:  | <b>Lake City, FL</b> | Permit Number:       | <b>21453</b>          |
| Owner:        | <b>Gido Dipol</b>    | Jurisdiction Number: | <b>221000</b>         |
| Climate Zone: | <b>North</b>         |                      |                       |

|  |                                |  |                                  |
|--|--------------------------------|--|----------------------------------|
| 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<br>SEER: 10.00 |
| 3. Number of units, if multi-family          | 1                              | b. N/A   |                                  |
| 4. Number of Bedrooms                        | 3                              | c. N/A   |                                  |
| 5. Is this a worst case?                     | No                             | 13. Heating systems  |                                  |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 1970 ft <sup>2</sup>           | a. Electric Heat Pump  | Cap: 42.0 kBtu/hr<br>HSPF: 7.00  |
| 7. Glass area & type                         |                                | b. N/A   |                                  |
| a. Clear - single pane                       | 0.0 ft <sup>2</sup>            | c. N/A   |                                  |
| b. Clear - double pane                       | 172.0 ft <sup>2</sup>          | 14. Hot water systems  |                                  |
| c. Tint/other SHGC - single pane             | 0.0 ft <sup>2</sup>            | a. Electric Resistance   | Cap: 40.0 gallons<br>EF: 0.91    |
| d. Tint/other SHGC - double pane             | 0.0 ft <sup>2</sup>            | b. N/A   |                                  |
| 8. Floor types                               |                                | c. Conservation credits<br>(HR-Heat recovery, Solar<br>DHP-Dedicated heat pump)  |                                  |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 188.0(p) ft             | 15. HVAC credits   |                                  |
| b. N/A                                       |                                | (CF-Ceiling fan, CV-Cross ventilation,<br>HF-Whole house fan,<br>PT-Programmable Thermostat,<br>MZ-C-Multizone cooling,<br>MZ-H-Multizone heating) |                                  |
| c. N/A                                       |                                |  |                                  |
| 9. Wall types                                |                                |  |                                  |
| a. Frame, Wood, Exterior                     | R=11.0, 1135.0 ft <sup>2</sup> |  |                                  |
| b. Frame, Wood, Adjacent                     | R=11.0, 155.0 ft <sup>2</sup>  |  |                                  |
| c. N/A                                       |                                |  |                                  |
| d. N/A                                       |                                |  |                                  |
| e. N/A                                       |                                |  |                                  |
| 10. Ceiling types                            |                                |  |                                  |
| a. Under Attic                               | R=30.0, 1970.0 ft <sup>2</sup> |  |                                  |
| b. N/A                                       |                                |  |                                  |
| c. N/A                                       |                                |  |                                  |
| 11. Ducts                                    |                                |  |                                  |
| a. Sup: Unc. Ret: Unc. AH: Interior          | Sup. R=6.0, 200.0 ft           |  |                                  |
| b. N/A                                       |                                |  |                                  |

Glass/Floor Area: 0.09

Total as-built points: 24706

Total base points: 28269

# PASS

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

PREPARED BY: *Paul D. Leggett*

DATE: 12-04-04

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

OWNER/AGENT: \_\_\_\_\_

DATE: \_\_\_\_\_

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_

**SUMMER CALCULATIONS****Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL,

PERMIT #:

| BASE          |             |          |         | AS-BUILT                      |          |                 |       |                           |       |             |        |         |
|---------------|-------------|----------|---------|-------------------------------|----------|-----------------|-------|---------------------------|-------|-------------|--------|---------|
| GLASS TYPES   |             |          |         | Type/SC                       | Overhang |                 |       | Area X SPM X SOF = Points |       |             |        |         |
| .18 X         | Conditioned | X BSPM = | Points  |                               | Ormt     | Len             | Hgt   |                           |       |             |        |         |
| .18           | 1970.0      | 20.04    | 7106.2  | Double, Clear                 | N        | 1.5             | 8.0   | 6.0                       | 19.22 | 0.97        | 111.5  |         |
|               |             |          |         | Double, Clear                 | S        | 1.5             | 8.0   | 30.0                      | 34.50 | 0.92        | 955.5  |         |
|               |             |          |         | Double, Clear                 | E        | 1.5             | 8.0   | 50.0                      | 40.22 | 0.96        | 1925.8 |         |
|               |             |          |         | Double, Clear                 | W        | 1.5             | 8.0   | 86.0                      | 36.99 | 0.96        | 3047.5 |         |
|               |             |          |         | As-Built Total:               |          |                 | 172.0 |                           |       | 6040.4      |        |         |
| WALL TYPES    |             |          |         | Type                          |          | R-Value         |       | Area X SPM                |       | = Points    |        |         |
| Adjacent      | 155.0       | 0.70     | 108.5   | Frame, Wood, Exterior         |          | 11.0            |       | 1135.0                    |       | 1.70        |        | 1929.5  |
| Exterior      | 1135.0      | 1.70     | 1929.5  | Frame, Wood, Adjacent         |          | 11.0            |       | 155.0                     |       | 0.70        |        | 108.5   |
| Base Total:   |             |          |         | 1290.0                        |          | 2038.0          |       | As-Built Total:           |       | 1290.0      |        | 2038.0  |
| DOOR TYPES    |             |          |         | Type                          |          | Area X SPM      |       | = Points                  |       |             |        |         |
| Adjacent      | 21.0        | 2.40     | 50.4    | Exterior Insulated            |          | 21.0            |       | 4.10                      |       | 86.1        |        |         |
| Exterior      | 21.0        | 6.10     | 128.1   | Adjacent Insulated            |          | 21.0            |       | 1.60                      |       | 33.6        |        |         |
| Base Total:   |             |          |         | 42.0                          |          | 178.5           |       | As-Built Total:           |       | 42.0        |        | 119.7   |
| CEILING TYPES |             |          |         | Type                          |          | R-Value         |       | Area X SPM X SCM          |       | = Points    |        |         |
| Under Attic   | 1970.0      | 1.73     | 3408.1  | Under Attic                   |          | 30.0            |       | 1970.0                    |       | 1.73 X 1.00 |        | 3408.1  |
| Base Total:   |             |          |         | 1970.0                        |          | 3408.1          |       | As-Built Total:           |       | 1970.0      |        | 3408.1  |
| FLOOR TYPES   |             |          |         | Type                          |          | R-Value         |       | Area X SPM                |       | = Points    |        |         |
| Slab          | 188.0(p)    | -37.0    | -6956.0 | Slab-On-Grade Edge Insulation |          | 0.0             |       | 188.0(p)                  |       | -41.20      |        | -7745.6 |
| Raised        | 0.0         | 0.00     | 0.0     |                               |          |                 |       |                           |       |             |        |         |
| Base Total:   |             |          |         | -6956.0                       |          | As-Built Total: |       | 188.0                     |       | -7745.6     |        |         |
| INFILTRATION  |             |          |         |                               |          |                 |       | Area X SPM                |       | = Points    |        |         |
|               | 1970.0      | 10.21    | 20113.7 |                               |          |                 |       | 1970.0                    |       | 10.21       |        | 20113.7 |

**SUMMER CALCULATIONS****Residential Whole Building Performance Method A - Details**

ADDRESS: , Lake City, FL,

PERMIT #:

**BASE****AS-BUILT**

| Summer Base Points: |   |                   |   | 25888.5        | Summer As-Built Points: |   |           |   |                                     |   |                   | 23974.3 |                   |   |                |
|---------------------|---|-------------------|---|----------------|-------------------------|---|-----------|---|-------------------------------------|---|-------------------|---------|-------------------|---|----------------|
| Total Summer Points | X | System Multiplier | = | Cooling Points | Total Component         | X | Cap Ratio | X | Duct Multiplier<br>(DM x DSM x AHU) | X | System Multiplier | X       | Credit Multiplier | = | Cooling Points |
| 25888.5             |   | 0.4266            |   | 11044.0        | 23974.3                 |   | 1.000     |   | (1.090 x 1.147 x 0.91)              |   | 0.341             |         | 1.000             |   | 9309.2         |
| 25888.5             |   | 0.4266            |   | 11044.0        | 23974.3                 |   | 1.00      |   | 1.138                               |   | 0.341             |         | 1.000             |   | 9309.2         |

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

| BASE          |             |          |        | AS-BUILT                      |          |          |             |                           |         |        |
|---------------|-------------|----------|--------|-------------------------------|----------|----------|-------------|---------------------------|---------|--------|
| GLASS TYPES   |             |          |        | Type/SC                       | Overhang |          |             | Area X WPM X WOF = Points |         |        |
| .18 X         | Conditioned | X BWPM = | Points |                               | Omt      | Len      | Hgt         |                           |         |        |
| Floor Area    |             |          |        |                               |          |          |             |                           |         |        |
| .18           | 1970.0      | 12.74    | 4517.6 | Double, Clear                 | N        | 1.5      | 8.0         | 6.0                       | 14.30   | 85.9   |
|               |             |          |        | Double, Clear                 | S        | 1.5      | 8.0         | 30.0                      | 4.03    | 125.9  |
|               |             |          |        | Double, Clear                 | E        | 1.5      | 8.0         | 50.0                      | 9.09    | 463.6  |
|               |             |          |        | Double, Clear                 | W        | 1.5      | 8.0         | 86.0                      | 10.77   | 936.1  |
|               |             |          |        | As-Built Total:               |          |          |             | 172.0                     |         | 1611.5 |
| WALL TYPES    |             |          |        | Area X BWPM =                 |          | Points   |             |                           |         |        |
| Area X        | BWPM =      | Points   |        | Type                          | R-Value  | Area X   | WPM         | =                         | Points  |        |
| Adjacent      | 155.0       | 3.60     | 558.0  | Frame, Wood, Exterior         | 11.0     | 1135.0   | 3.70        |                           | 4199.5  |        |
| Exterior      | 1135.0      | 3.70     | 4199.5 | Frame, Wood, Adjacent         | 11.0     | 155.0    | 3.60        |                           | 558.0   |        |
| Base Total:   | 1290.0      |          | 4757.5 | As-Built Total:               |          | 1290.0   |             |                           | 4757.5  |        |
| DOOR TYPES    |             |          |        | Area X BWPM =                 |          | Points   |             |                           |         |        |
| Area X        | BWPM =      | Points   |        | Type                          | R-Value  | Area X   | WPM         | =                         | Points  |        |
| Adjacent      | 21.0        | 11.50    | 241.5  | Exterior Insulated            |          | 21.0     | 8.40        |                           | 176.4   |        |
| Exterior      | 21.0        | 12.30    | 258.3  | Adjacent Insulated            |          | 21.0     | 8.00        |                           | 168.0   |        |
| Base Total:   | 42.0        |          | 499.8  | As-Built Total:               |          | 42.0     |             |                           | 344.4   |        |
| CEILING TYPES |             |          |        | Area X BWPM =                 |          | Points   |             |                           |         |        |
| Area X        | BWPM =      | Points   |        | Type                          | R-Value  | Area X   | WPM X WCM   | =                         | Points  |        |
| Under Attic   | 1970.0      | 2.05     | 4038.5 | Under Attic                   | 30.0     | 1970.0   | 2.05 X 1.00 |                           | 4038.5  |        |
| Base Total:   | 1970.0      |          | 4038.5 | As-Built Total:               |          | 1970.0   |             |                           | 4038.5  |        |
| FLOOR TYPES   |             |          |        | Area X BWPM =                 |          | Points   |             |                           |         |        |
| Area X        | BWPM =      | Points   |        | Type                          | R-Value  | Area X   | WPM         | =                         | Points  |        |
| Slab          | 188.0(p)    | 8.9      | 1673.2 | Slab-On-Grade Edge Insulation | 0.0      | 188.0(p) | 18.80       |                           | 3534.4  |        |
| Raised        | 0.0         | 0.00     | 0.0    |                               |          |          |             |                           |         |        |
| Base Total:   |             |          | 1673.2 | As-Built Total:               |          | 188.0    |             |                           | 3534.4  |        |
| INFILTRATION  |             |          |        | Area X BWPM =                 |          | Points   |             |                           |         |        |
| Area X        | BWPM =      | Points   |        |                               |          | Area X   | WPM         | =                         | Points  |        |
| 1970.0        | -0.59       | -1162.3  |        |                               |          | 1970.0   | -0.59       |                           | -1162.3 |        |



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,

PERMIT #:

| BASE                |   |                   |   | AS-BUILT                |                 |   |           |                        |                 |       |                   |       |                   |        |                |
|---------------------|---|-------------------|---|-------------------------|-----------------|---|-----------|------------------------|-----------------|-------|-------------------|-------|-------------------|--------|----------------|
| Winter Base Points: |   | 14324.3           |   | Winter As-Built Points: |                 |   |           |                        | 13124.0         |       |                   |       |                   |        |                |
| Total Winter Points | X | System Multiplier | = | Heating Points          | Total Component | X | Cap Ratio | X                      | Duct Multiplier | X     | System Multiplier | X     | Credit Multiplier | =      | Heating Points |
|                     |   |                   |   |                         |                 |   |           | (DM x DSM x AHU)       |                 |       |                   |       |                   |        |                |
| 14324.3             |   | 0.6274            |   | 8987.1                  | 13124.0         |   | 1.000     | (1.069 x 1.169 x 0.93) |                 | 0.487 |                   | 1.000 |                   | 7430.1 |                |
|                     |   |                   |   |                         | 13124.0         |   | 1.00      | 1.162                  |                 | 0.487 |                   | 1.000 |                   | 7430.1 |                |

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, Fl,

PERMIT #:

**BASE**

**AS-BUILT**

**WATER HEATING**

| Number of<br>Bedrooms | X | Multiplier | = | Total  | Tank<br>Volume | EF   | Number of<br>Bedrooms | X | Tank<br>Ratio | X | Multiplier | X | Credit<br>Multiplier | = | Total  |
|-----------------------|---|------------|---|--------|----------------|------|-----------------------|---|---------------|---|------------|---|----------------------|---|--------|
| 3                     |   | 2746.00    |   | 8238.0 | 40.0           | 0.91 | 3                     |   | 1.00          |   | 2655.47    |   | 1.00                 |   | 7966.4 |
| As-Built Total:       |   |            |   |        |                |      |                       |   |               |   |            |   |                      |   | 7966.4 |

## CODE COMPLIANCE STATUS

**BASE**

**AS-BUILT**

| Cooling<br>Points | + | Heating<br>Points | + | Hot Water<br>Points | = | Total<br>Points | Cooling<br>Points | + | Heating<br>Points | + | Hot Water<br>Points | = | Total<br>Points |
|-------------------|---|-------------------|---|---------------------|---|-----------------|-------------------|---|-------------------|---|---------------------|---|-----------------|
| 11044             |   | 8987              |   | 8238                |   | 28269           | 9309              |   | 7430              |   | 7966                |   | 24706           |

PASS



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, 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.<br>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.<br>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.<br>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.<br>Common ceiling & floors R-11.   |       |

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 85.1**

**The higher the score, the more efficient the home.**

Gido Dipol, , Lake City, FL,

|  |                                |  |                   |
|--|--------------------------------|--|-------------------|
| 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: 10.00       |
| 4. Number of Bedrooms                        | 3                              | b. N/A                                 |                   |
| 5. Is this a worst case?                     | No                             | c. N/A                                 |                   |
| 6. Conditioned floor area (ft <sup>2</sup> ) | 1970 ft <sup>2</sup>           |  |                   |
| 7. Glass area & type                         |                                | 13. Heating systems                    |                   |
| a. Clear - single pane                       | 0.0 ft <sup>2</sup>            | a. Electric Heat Pump                  | Cap: 42.0 kBtu/hr |
| b. Clear - double pane                       | 172.0 ft <sup>2</sup>          |  | HSPF: 7.00        |
| c. Tint/other SHGC - single pane             | 0.0 ft <sup>2</sup>            | b. N/A                                 |                   |
| d. Tint/other SHGC - double pane             | 0.0 ft <sup>2</sup>            | c. N/A                                 |                   |
| 8. Floor types                               |                                | 14. Hot water systems                  |                   |
| a. Slab-On-Grade Edge Insulation             | R=0.0, 188.0(p) ft             | a. Electric Resistance                 | Cap: 40.0 gallons |
| b. N/A                                       |                                |  | EF: 0.91          |
| c. N/A                                       |                                | b. N/A                                 |                   |
| 9. Wall types                                |                                | c. Conservation credits                |                   |
| a. Frame, Wood, Exterior                     | R=11.0, 1135.0 ft <sup>2</sup> | (HR-Heat recovery, Solar               |                   |
| b. Frame, Wood, Adjacent                     | R=11.0, 155.0 ft <sup>2</sup>  | 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, 1970.0 ft <sup>2</sup> | 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, 200.0 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.*

# Residential System Sizing Calculation

## Summary

Gido Dipol

Project Title:  
Gido Dipol

Code Only  
Professional Version  
Climate: North

Lake City, FL

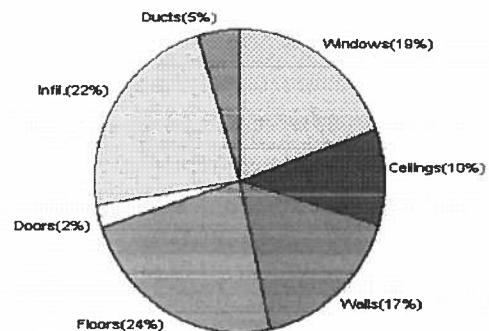
1/4/04

|   |                   |                                       |                   |
|---|-------------------|---------------------------------------|-------------------|
| Location for weather data: Jacksonville - User customized: Latitude(30) Temp Range(M) |                   |                                       |                   |
| Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(49gr.)    |                   |                                       |                   |
| Winter design temperature   | 32 F              | Summer design temperature             | 99 F              |
| Winter setpoint   | 70 F              | Summer setpoint                       | 75 F              |
| Winter temperature difference   | 38 F              | Summer temperature difference         | 24 F              |
| <b>Total heating load calculation</b>   | <b>24475 Btuh</b> | <b>Total cooling load calculation</b> | <b>26615 Btuh</b> |
| Submitted heating capacity  | 42000 Btuh        | Submitted cooling capacity            | 42000 Btuh        |
| Submitted as % of calculated  | 171.6 %           | Submitted as % of calculated          | 157.8 %           |

## WINTER CALCULATIONS

Winter Heating Load (for 1970 sqft)

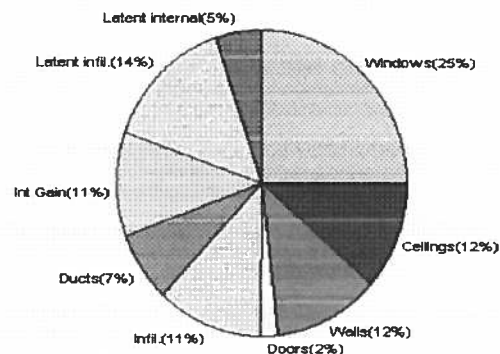
| Load component         |           | Load         |             |
|------------------------|-----------|--------------|-------------|
| Window total           | 172 sqft  | 4747         | Btuh        |
| Wall total             | 1290 sqft | 4138         | Btuh        |
| Door total             | 42 sqft   | 572          | Btuh        |
| Ceiling total          | 1970 sqft | 2561         | Btuh        |
| Floor total            | 188 ft    | 5790         | Btuh        |
| Infiltration           | 132 cfm   | 5501         | Btuh        |
| <b>Subtotal</b>        |           | <b>23310</b> | <b>Btuh</b> |
| Duct loss              |           | 1165         | Btuh        |
| <b>TOTAL HEAT LOSS</b> |           | <b>24475</b> | <b>Btuh</b> |



## SUMMER CALCULATIONS

Summer Cooling Load (for 1970 sqft)

| Load component             |           | Load         |             |
|----------------------------|-----------|--------------|-------------|
| Window total               | 172 sqft  | 6656         | Btuh        |
| Wall total                 | 1290 sqft | 3101         | Btuh        |
| Door total                 | 42 sqft   | 543          | Btuh        |
| Ceiling total              | 1970 sqft | 3113         | Btuh        |
| Floor total                |           | 0            | Btuh        |
| Infiltration               | 115 cfm   | 3040         | Btuh        |
| Internal gain              |           | 3000         | Btuh        |
| <b>Subtotal(sensible)</b>  |           | <b>19453</b> | <b>Btuh</b> |
| Duct gain                  |           | 1945         | Btuh        |
| <b>Total sensible gain</b> |           | <b>21398</b> | <b>Btuh</b> |
| Latent gain(infiltration)  |           | 3837         | Btuh        |
| Latent gain(internal)      |           | 1380         | Btuh        |
| <b>Total latent gain</b>   |           | <b>5217</b>  | <b>Btuh</b> |
| <b>TOTAL HEAT GAIN</b>     |           | <b>26615</b> | <b>Btuh</b> |



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE:

*Gido Dipol*  
12-4-04

# System Sizing Calculations - Winter

## Residential Load - Component Details

Gido Dipol

Project Title:

Gido Dipol

Code Only

Professional Version

Climate: North

Lake City, FL

Reference City: Jacksonville (User customized) Winter Temperature Difference: 38.0 F

1/4/04

| Window             | Panes/SHGC/Frame/U       | Orientation | Area X          | HTM= | Load      |
|--------------------|--------------------------|-------------|-----------------|------|-----------|
| 1                  | 2, Clear, Metal, DEF     | N           | 6.0             | 27.6 | 166 Btuh  |
| 2                  | 2, Clear, Metal, DEF     | S           | 30.0            | 27.6 | 828 Btuh  |
| 3                  | 2, Clear, Metal, DEF     | E           | 50.0            | 27.6 | 1380 Btuh |
| 4                  | 2, Clear, Metal, DEF     | W           | 86.0            | 27.6 | 2374 Btuh |
| Window Total       |                          |             | 172             |      | 4747 Btuh |
| Walls              | Type                     | R-Value     | Area X          | HTM= | Load      |
| 1                  | Frame - Exterior         | 11.0        | 1135            | 3.4  | 3859 Btuh |
| 2                  | Frame - Adjacent         | 11.0        | 155             | 1.8  | 279 Btuh  |
| Wall Total         |                          |             | 1290            |      | 4138 Btuh |
| Doors              | Type                     |             | Area X          | HTM= | Load      |
| 1                  | Insulated - Exter        |             | 21              | 17.9 | 375 Btuh  |
| 2                  | Insulated - Adjac        |             | 21              | 9.4  | 197 Btuh  |
| Door Total         |                          |             | 42              |      | 572Btuh   |
| Ceilings           | Type                     | R-Value     | Area X          | HTM= | Load      |
| 1                  | Under Attic              | 30.0        | 1970            | 1.3  | 2561 Btuh |
| Ceiling Total      |                          |             | 1970            |      | 2561Btuh  |
| Floors             | Type                     | R-Value     | Size X          | HTM= | Load      |
| 1                  | Slab-On-Grade Edge Insul | 0           | 188.0 ft(p)     | 30.8 | 5790 Btuh |
| Floor Total        |                          |             | 188             |      | 5790 Btuh |
| Infiltration       | Type                     | ACH X       | Building Volume | CFM= | Load      |
|                    | Natural                  | 0.40        | 19700(sqft)     | 132  | 5501 Btuh |
|                    | Mechanical               |             |                 | 0    | 0 Btuh    |
| Infiltration Total |                          |             |                 | 132  | 5501 Btuh |

|                           |   |                   |
|---------------------------|---|-------------------|
| <b>Totals for Heating</b> | <b>Subtotal</b>                                 | <b>23310 Btuh</b> |
|                           | <b>Duct Loss(using duct multiplier of 0.05)</b> | <b>1165 Btuh</b>  |
|                           | <b>Total Btuh Loss</b>                          | <b>24475 Btuh</b> |

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

Gido Dipol

Project Title:

Code Only

Lake City, FL

Gido Dipol

Professional Version

Climate: North

Reference City: Jacksonville (User customized)

Summer Temperature Difference: 24.0 F 1/4/04

| Window              | Type                          | Overhang | Window Area(sqft) |        |          | HTM       |          | Load      |
|---------------------|-------------------------------|----------|-------------------|--------|----------|-----------|----------|-----------|
|                     | Panes/SHGC/U/InSh/ExSh Omt    | Len Hgt  | Gross             | Shaded | Unshaded | Shaded    | Unshaded |           |
| 1                   | 2, Clear, DEF, B, N N         | 1.5 8    | 6.0               | 0.0    | 6.0      | 17        | 17       | 102 Btuh  |
| 2                   | 2, Clear, DEF, B, N S         | 1.5 8    | 30.0              | 30.0   | 0.0      | 17        | 26       | 510 Btuh  |
| 3                   | 2, Clear, DEF, B, N E         | 1.5 8    | 50.0              | 2.2    | 47.8     | 17        | 48       | 2331 Btuh |
| 4                   | 2, Clear, DEF, B, N W         | 1.5 8    | 86.0              | 13.4   | 72.6     | 17        | 48       | 3713 Btuh |
| Window Total        |                               |          | 172               |        |          |           |          | 6656 Btuh |
| <b>Walls</b>        | Type                          | R-Value  | Area              |        | HTM      | Load      |          |           |
| 1                   | Frame - Exterior              | 11.0     | 1135.0            |        | 2.5      | 2838 Btuh |          |           |
| 2                   | Frame - Adjacent              | 11.0     | 155.0             |        | 1.7      | 264 Btuh  |          |           |
| Wall Total          |                               |          | 1290.0            |        |          | 3101 Btuh |          |           |
| <b>Doors</b>        | Type                          |          | Area              |        | HTM      | Load      |          |           |
| 1                   | Insulated - Exter             |          | 21.0              |        | 12.9     | 272 Btuh  |          |           |
| 2                   | Insulated - Adjac             |          | 21.0              |        | 12.9     | 272 Btuh  |          |           |
| Door Total          |                               |          | 42.0              |        |          | 543 Btuh  |          |           |
| <b>Ceilings</b>     | Type/Color                    | R-Value  | Area              |        | HTM      | Load      |          |           |
| 1                   | Under Attic/Dark              | 30.0     | 1970.0            |        | 1.6      | 3113 Btuh |          |           |
| Ceiling Total       |                               |          | 1970.0            |        |          | 3113 Btuh |          |           |
| <b>Floors</b>       | Type                          | R-Value  | Size              |        | HTM      | Load      |          |           |
| 1                   | Slab-On-Grade Edge Insulation | 0.0      | 188.0 ft(p)       |        | 0.0      | 0 Btuh    |          |           |
| Floor Total         |                               |          | 188.0             |        |          | 0 Btuh    |          |           |
| <b>Infiltration</b> | Type                          | ACH      | Volume            |        | CFM=     | Load      |          |           |
|                     | Natural                       | 0.35     | 19700             |        | 115.1    | 3040 Btuh |          |           |
|                     | Mechanical                    |          |                   |        | 0        | 0 Btuh    |          |           |
| Infiltration Total  |                               |          |                   |        | 115      | 3040 Btuh |          |           |

|                      |           |               |           |           |
|----------------------|-----------|---------------|-----------|-----------|
| <b>Internal gain</b> | Occupants | Btuh/occupant | Appliance | Load      |
|                      | 6         | X 300 +       | 1200      | 3000 Btuh |

|                           |  |                   |
|---------------------------|--|-------------------|
| <b>Totals for Cooling</b> | <b>Subtotal</b>  | <b>19453 Btuh</b> |
|                           | <b>Duct gain(using duct multiplier of 0.10)</b>                  | <b>1945 Btuh</b>  |
|                           | <b>Total sensible gain</b>                                       | <b>21398 Btuh</b> |
|                           | <b>Latent infiltration gain (for 49 gr. humidity difference)</b> | <b>3837 Btuh</b>  |
|                           | <b>Latent occupant gain (6 people @ 230 Btuh per person)</b>     | <b>1380 Btuh</b>  |
|                           | <b>Latent other gain</b>   | <b>0 Btuh</b>     |
| <b>TOTAL GAIN</b>         |  | <b>26615 Btuh</b> |

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)  
 (Omt - compass orientation)

# COLUMBIA COUNTY DEPARTMENT OF BUILDING AND ZONING 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 20-4S-17-08585-006

Building permit No. 000021453

Use Classification SFD, UTILITY

Fire: 22.68

Permit Holder MATTHEW ERKINGER

Waste: 49.00

Owner of Building EGIDIO DIPOL

Total: 71.68

Location: 178 SW JONES TERRACE

Date: 06/22/2004

*Harry Dickel*

Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)



# New Construction Subterranean Termite Soil Treatment Record

This form is completed by the licensed Pest Control Company.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

## Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc. # 21453  
Company Address: Route 20 Box 2135 City: Lake City State: FL Zip: 32055  
Company Business License No.: JB109476 Company Phone No.: 386-755-3611  
FHA/VA Case No. (if any): \_\_\_\_\_

## Section 2: Builder Information

Company Name: Matthew Eckinger  
Phone No.: \_\_\_\_\_

## Section 3: Property Information

Location of Structure(s) Treated (Street Address, or Legal Description, City, State and Zip): 178 SW James Ter  
Zone 7-1-1 32025  
Type of Construction: ☒ Slab ☐ Basement ☐ Crawl ☐ Other \_\_\_\_\_  
(More than one box may be checked) Outside: 12 in  
Approximate Depth of Footing: Inside: 24 in Type of Fill: Rich

## Section 4: Treatment Information

Date(s) of Treatment(s): 2-18-04  
Brand Name of Product(s) Used: Scout EPA Registration No.: 70907-7-53443  
Approximate Final Mix Solution %: 0.5%  
Approximate Size of Treatment Area:  
Sq. ft.: 2469 Linear ft.: 319 Linear ft. of Masonry Voids: 319  
Approximate Total Gallons of Solution Applied: 650  
Was treatment completed on exterior? ☐ YES ☒ NO  
Service Agreement Available: ☒ YES ☐ NO  
*Note: Some state laws require service agreements to be issued. This form does not preempt state law.*  
Attachments (List): \_\_\_\_\_  
Comments: \_\_\_\_\_

Name of Applicator(s): Steve Brannon Certification No. (IF REQUIRED BY STATE LAW): JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature: Steve Brannon Date: 2-19-04

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Forms VA-26-8375 and HUD-92052 are obsolete.

THIS FORM MAY NOT BE ALTERED.

Form HUD-NPCA-99b

Product #2581 • Reorder This Form From Crown Graphics, Inc. • 1-800-252-4011

(2/97)

Meggie

**Columbia County Building Department  
Culvert Waiver**

**Culvert Waiver No.  
000000186**

DATE: 01/28/2004 BUILDING PERMIT NO. 21453

APPLICANT MATTHEW ERKINGER PHONE 754-5555

ADDRESS 248 SE NASSAU STREET LAKE CITY FL 32025

OWNER EGIDIO DIPOL PHONE 954 647-4347

ADDRESS 178 SW JONES TERRACE LAKE CITY FL 32025

CONTRACTOR MATTHEW ERKINGER PHONE 754-5555

LOCATION OF PROPERTY TUSKENUGGEE RAD, TL ON SW PACKARD ST. TR ON SW JONES, DRIVE ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT \_\_\_\_\_

PARCEL ID # 20-4S-17-08585-006

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Matt Erking

A SEPARATE CHECK IS REQUIRED  
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

**PUBLIC WORKS DEPARTMENT USE ONLY**

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

✓ APPROVED \_\_\_\_\_ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: \_\_\_\_\_

SIGNED: [Signature] DATE: 2-10-04

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

**COLUMBIA COUNTY**

135 NE Hernando Ave., Suite B-21  
Lake City, FL 32055  
Phone: 386-758-1008 Fax: 386-758-2160

JAN 30 2004

**PUBLIC WORKS DEPT.**

