

DATE 11/19/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

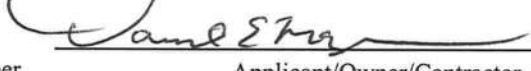
000022517

APPLICANT DAVID MANGRUM PHONE 386.752.4716
ADDRESS 2091 SW MAIN BLVD LAKE CITY FL 32055
OWNER TOM EAGLE/SUSAN HOLTON PHONE 755.9800
ADDRESS 271 NW FAIRWAY DRIVE LAKE CITY FL 32055
CONTRACTOR DAVID MANGRUM PHONE 752.4716

LOCATION OF PROPERTY 90-W TO COMMERCE BLVD.,TR, TAKES YOU TO FAIRWAY DRIVE,
PROPERTY ON R.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 147050.00
HEATED FLOOR AREA 2941.00 TOTAL AREA 4266.00 HEIGHT 28.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 26-3S-16-02309-004 SUBDIVISION FAIRWAY VIEW
LOT 4 BLOCK _____ PHASE _____ UNIT 1 TOTAL ACRES .50

00000454 Y RB0052324 
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
WAIVER X-04-0289 BLK JDK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

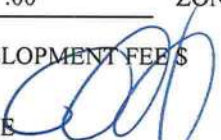

COMMENTS: 1 FOOT ABOVE ROAD

Check # or Cash 1107

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 \$ 740.00 CERTIFICATION FEE \$ 21.33 SURCHARGE FEE \$ 21.33
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____
FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ _____ TOTAL FEE 832.66
INSPECTORS OFFICE  CLERKS OFFICE 

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

THIS INSTRUMENT WAS PREPARED BY:

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

(- UNREC - yet)

TAX FOLIO NO.: 26-35-16-02309-004

PERMIT 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:

Lot 4, FAIRWAY VIEW SUBDIVISION UNIT 1, a subdivision according to the plat thereof recorded in Plat Book 3, Pages 97-99 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:

a. Name and address: THOMAS H. EAGLE and SUSAN HOLTON,
258 NW Bert Ave., Lake City, FL 32055

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: DAVID MANGRUM
2091 SW Main Blve., Lake City, FL 32025

5. Surety n/a


a. Name and address: Inst:2004026055 Date:11/19/2004 Time:15:02
b. Amount of bond: mk DC, P. DeWitt Cason, Columbia County B:1031 P:627

6. Lender: N/A

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates N/A, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), 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).
November 1, 2005.


THOMAS H. EAGLE


SUSAN HOLTON

The foregoing instrument was acknowledged before me this 1st day of November, 2004, by THOMAS H. EAGLE and SUSAN HOLTON, who are personally known to me and who did not take an oath.

Columbia County Building Permit Application

For Office Use Only Application # 0411-09 Date Received 11/3/04 By JW Permit # 454/2517
 Application Approved by - Zoning Official B2K Date 18.11.04 Plans Examiner _____ Date _____
 Flood Zone X Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES-Low DEN
 Comments _____
- RELEASE IN BOX - CITY WATER -

Applicants Name 2091 SW Main Blvd David Mangrum Phone 386-623-6612
 Address 258 NW Bert Ave Lake City, FL 32055
 Owners Name Tom Eagle + Susan Holton Phone 623-6612
 911 Address 271 NW Fairway Dr Lake City, FL 32055
 Contractors Name David Mangrum Phone 386-752-4716
 Address 2091 SW Main Blvd Lake City, FL 32025
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Nicholas Geisler Rt 17 Box 1038 Lake City, FL 32055
 Mortgage Lenders Name & Address N/A

Property ID Number 26-35-16-02309-004 Estimated Cost of Construction 180,000.
 Subdivision Name Fairway View Unit 1 Lot 4 Block _____ Unit 1 Phase _____
 Driving Directions Go W, R on Commerce Blvd to Fairway Dr.
Property on Right. Lot # 4.

Type of Construction Brick + Stucco SFD Number of Existing Dwellings on Property 0
 Total Acreage 1/2 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 30' Side 60' Side 30' Rear 42'
 Total Building Height 27'4" Number of Stories 1 Heated Floor Area 2941 Roof Pitch 8/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

✓ Susan Holton
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

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

David Mangrum RB0052324
 Contractor Signature
 Contractors License Number _____
 Competency Card Number _____

NOTARY STAMP/SEAL

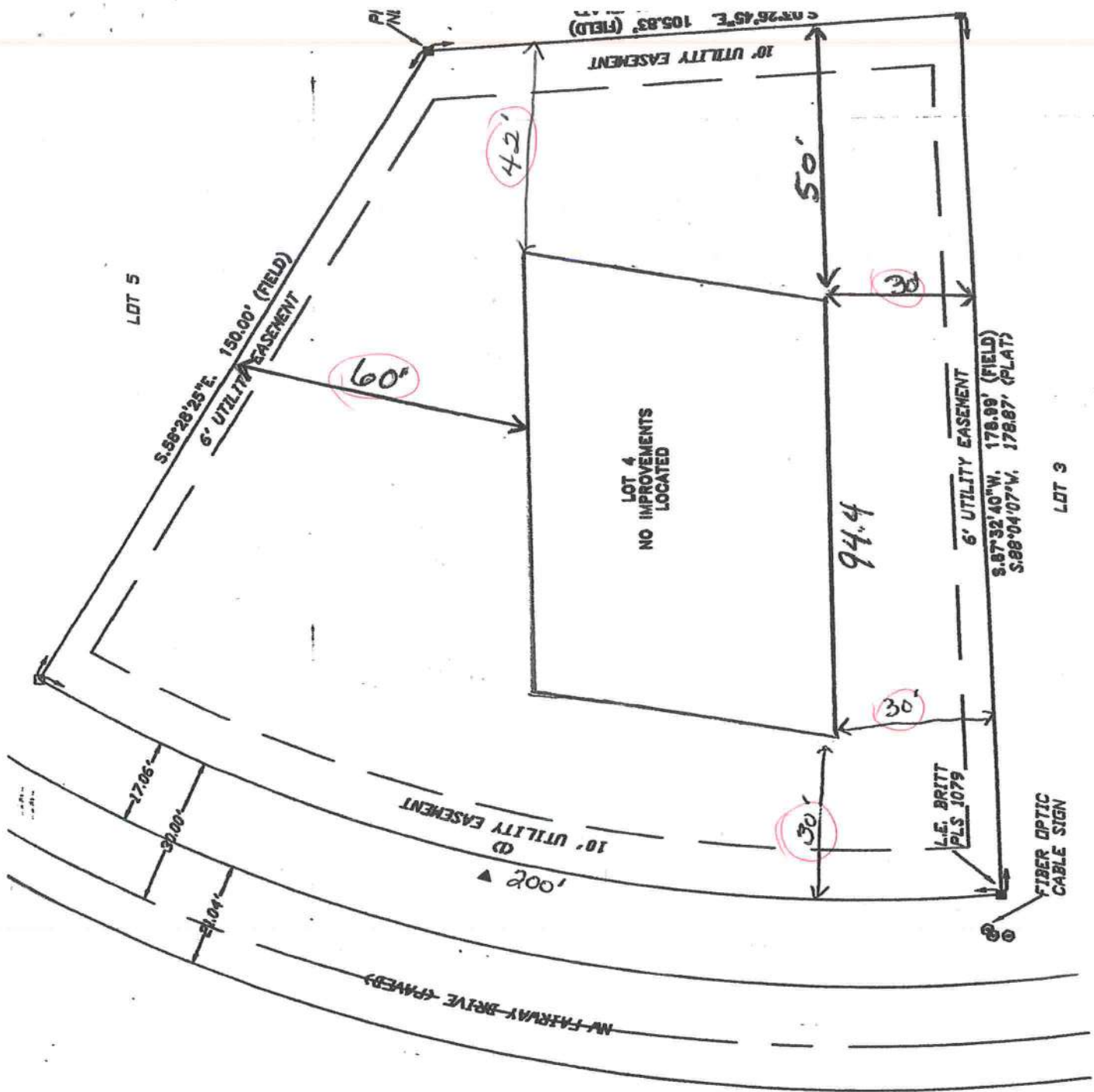
Notary Signature

F

0711-07

G





Lot 4 Fairway View S/D Unit 1

Brief Legal	LOT 4 FAIRWAY VIEW S/D UNIT 1. ORB 656-659, 743-1557
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Parcel ID: 26-3S-16-02309-004

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Carter BS**
Address: **Lot: 4, Sub: Fairway View I, Plat:**
City, State: **Lake City, FL**
Owner: **EAGLE / HOLTON**
Climate Zone: **North**

Builder: **David Mangum**
Permitting Office: **OSLO Columbia**
Permit Number: **22517**
Jurisdiction Number: **221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? Yes ☐
6. Conditioned floor area (ft²) 2941 ft² ☐
7. Glass area & type ☐
 - a. Clear - single pane 0.0 ft² ☐
 - b. Clear - double pane 516.0 ft² ☐
 - c. Tint/other SHGC - single pane 0.0 ft² ☐
 - d. Tint/other SHGC - double pane 0.0 ft² ☐
8. Floor types ☐
 - a. Slab-On-Grade Edge Insulation R=0.0, 349.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types ☐
 - a. Frame, Wood, Exterior R=13.0, 3147.0 ft² ☐
 - b. Frame, Wood, Adjacent R=13.0, 168.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types ☐
 - a. Under Attic R=30.0, 2941.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts ☐
 - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 187.0 ft ☐
 - b. N/A ☐

12. Cooling systems ☐
 - a. Central Unit Cap: 54.0 kBtu/hr ☐
SEER: 10.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems ☐
 - a. Electric Heat Pump Cap: 54.0 kBtu/hr ☐
HSPF: 6.80 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems ☐
 - a. Electric Resistance Cap: 50.0 gallons ☐
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits ☐
(HR-Heat recovery, Solar
DHP-Dedicated heat pump)
15. HVAC credits PT, CF, ☐
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.18

Total as-built points: 40557
Total base points: 42028

PASS

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

PREPARED BY: 

DATE: 8-10-04

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: Lot: 4, Sub: Fairway View I, Plat: , 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. 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: Lot: 4, Sub: Fairway View I, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X	Credit = Total Multiplier
3		2746.00	8238.0	50.0	0.90	3		1.00	2684.98	1.00 8054.9
As-Built Total:										8054.9

CODE COMPLIANCE STATUS

BASE							AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
16538		17252		8238		42028	15324		17178		8055		40557

PASS

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

ADDRESS: Lot: 4, Sub: Fairway View I, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT				
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM	=	Points
Slab	349.0(p)	8.9	3106.1	Slab-On-Grade Edge Insulation	0.0	349.0(p)	18.80	6561.2
Raised	0.0	0.00	0.0					
Base Total:			3106.1	As-Built Total:		349.0		6561.2
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
	2941.0	-0.59	-1735.2			2941.0	-0.59	-1735.2
Winter Base Points:			27497.9	Winter As-Built Points:			28853.8	
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)		
27497.9	0.6274		17252.2	28853.8	1.000	(1.069 x 1.169 x 1.00)	0.501	0.950 17177.7
				28853.8	1.00	1.250	0.501	0.950 17177.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 4, Sub: Fairway View I, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	2941.0	12.74	6744.3	Double, Clear	NW	1.5	6.0	60.0	14.03	1.00	844.4
				Double, Clear	NW	3.5	6.0	32.5	14.03	1.02	463.2
				Double, Clear	N	8.5	6.0	16.3	14.30	1.02	237.6
				Double, Clear	W	8.5	6.0	16.3	10.77	1.20	209.9
				Double, Clear	SW	1.5	6.0	60.0	7.17	1.06	456.1
				Double, Clear	SW	1.5	3.0	12.0	7.17	1.24	106.9
				Double, Clear	SE	1.5	7.3	72.0	5.33	1.06	408.5
				Double, Clear	SE	1.5	7.3	39.0	5.33	1.06	221.3
				Double, Clear	E	5.3	7.3	32.0	9.09	1.21	351.0
				Double, Clear	N	1.5	7.0	16.0	14.30	1.00	229.2
				Double, Clear	E	3.0	7.0	12.0	9.09	1.09	119.3
				Double, Clear	S	6.7	7.0	12.0	4.03	2.65	128.4
				Double, Clear	NE	7.5	7.0	32.0	13.40	1.05	448.4
				Double, Clear	NE	30.0	7.0	16.0	13.40	1.06	227.5
				Double, Clear	NE	1.5	7.0	36.0	13.40	1.00	484.1
				Double, Clear	NE	1.5	3.0	12.0	13.40	1.02	164.7
				Double, Clear	NE	1.5	6.0	40.0	13.40	1.01	539.3
				As-Built Total:			516.0			5639.7	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	168.0	3.60	604.8	Frame, Wood, Exterior	13.0			3147.0	3.40	10699.8	
Exterior	3147.0	3.70	11643.9	Frame, Wood, Adjacent	13.0			168.0	3.30	554.4	
Base Total: 3315.0 12248.7				As-Built Total:			3315.0			11254.2	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	18.0	11.50	207.0	Exterior Wood				33.0	12.30	405.9	
Exterior	73.0	12.30	897.9	Exterior Wood				40.0	12.30	492.0	
				Adjacent Wood				18.0	11.50	207.0	
Base Total: 91.0 1104.9				As-Built Total:			91.0			1104.9	
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	2941.0	2.05	6029.0	Under Attic	30.0			2941.0	2.05 X 1.00	6029.0	
Base Total: 2941.0 6029.0				As-Built Total:			2941.0			6029.0	

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

ADDRESS: Lot: 4, Sub: Fairway View I, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT									
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points							
Slab	349.0(p)	-37.0	-12913.0	Slab-On-Grade Edge Insulation	0.0	349.0(p)	-41.20	-14378.8					
Raised	0.0	0.00	0.0										
Base Total:			-12913.0	As-Built Total:		349.0	-14378.8						
INFILTRATION Area X BSPM = Points				Area X SPM = Points									
2941.0 10.21 30027.6				2941.0 10.21 30027.6									
Summer Base Points:			38767.3	Summer As-Built Points:			39792.0						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
(DM x DSM x AHU)													
38767.3		0.4266	16538.1	39792.0		1.000	(1.090 x 1.147 x 1.00)	0.341		0.902		15323.9	
				39792.0		1.00	1.250	0.341		0.902		15323.9	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 4, Sub: Fairway View I, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt		Area X SPM X SOF = Points				
.18	2941.0	20.04	10608.8	Double, Clear	NW	1.5	6.0	60.0	25.46	0.93	1413.8
				Double, Clear	NW	3.5	6.0	32.5	25.46	0.75	618.0
				Double, Clear	N	8.5	6.0	16.3	19.22	0.66	206.5
				Double, Clear	W	8.5	6.0	16.3	36.99	0.46	275.5
				Double, Clear	SW	1.5	6.0	60.0	38.46	0.89	2042.6
				Double, Clear	SW	1.5	3.0	12.0	38.46	0.67	310.5
				Double, Clear	SE	1.5	7.3	72.0	40.86	0.93	2724.0
				Double, Clear	SE	1.5	7.3	39.0	40.86	0.93	1475.5
				Double, Clear	E	5.3	7.3	32.0	40.22	0.60	770.5
				Double, Clear	N	1.5	7.0	16.0	19.22	0.96	293.7
				Double, Clear	E	3.0	7.0	12.0	40.22	0.78	374.3
				Double, Clear	S	6.7	7.0	12.0	34.50	0.53	218.3
				Double, Clear	NE	7.5	7.0	32.0	28.72	0.57	524.1
				Double, Clear	NE	30.0	7.0	16.0	28.72	0.44	202.6
				Double, Clear	NE	1.5	7.0	36.0	28.72	0.94	976.2
				Double, Clear	NE	1.5	3.0	12.0	28.72	0.76	261.6
				Double, Clear	NE	1.5	6.0	40.0	28.72	0.92	1057.7
				As-Built Total:				516.0		13745.5	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	168.0	0.70	117.6	Frame, Wood, Exterior	13.0		3147.0		1.50		4720.5
Exterior	3147.0	1.70	5349.9	Frame, Wood, Adjacent	13.0		168.0		0.60		100.8
Base Total: 3315.0 5467.5				As-Built Total:				3315.0		4821.3	
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	18.0	2.40	43.2	Exterior Wood			33.0		6.10		201.3
Exterior	73.0	6.10	445.3	Exterior Wood			40.0		6.10		244.0
				Adjacent Wood			18.0		2.40		43.2
Base Total: 91.0 488.5				As-Built Total:				91.0		488.5	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	2941.0	1.73	5087.9	Under Attic	30.0		2941.0		1.73 X 1.00		5087.9
Base Total: 2941.0 5087.9				As-Built Total:				2941.0		5087.9	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.9

The higher the score, the more efficient the home.

EAGLE / HOLTON, Lot: 4, Sub: Fairway View I, Plat: , Lake City, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 54.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2941 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 54.0 kBtu/hr
b. Clear - double pane	516.0 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 349.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 3147.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 168.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, CF,
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2941.0 ft ²	RB-Attic radiant barrier,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 187.0 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: FLRCPB v3.2)

Residential System Sizing Calculation

Summary

EAGLE / HOLTON

Project Title:
Carter BS

Code Only
Professional Version
Climate: North

Lake City, FL

8/10/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)

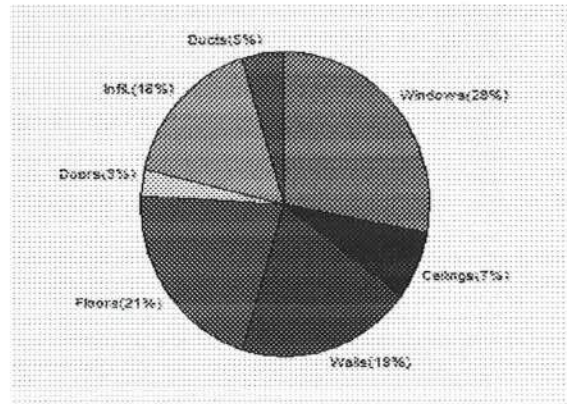
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)

Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	51851 Btuh	Total cooling load calculation	50716 Btuh
Submitted heating capacity	54000 Btuh	Submitted cooling capacity	54000 Btuh
Submitted as % of calculated	104.1 %	Submitted as % of calculated	106.5 %

WINTER CALCULATIONS

Winter Heating Load (for 2941 sqft)

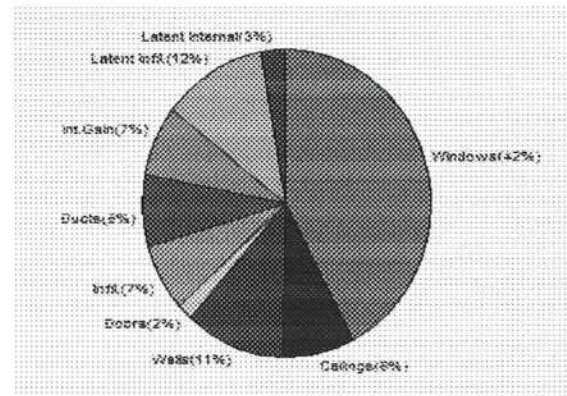
Load component		Load
Window total	516 sqft	14603 Btuh
Wall total	3315 sqft	10025 Btuh
Door total	91 sqft	1475 Btuh
Ceiling total	2941 sqft	3823 Btuh
Floor total	349 ft	11028 Btuh
Infiltration	196 cfm	8428 Btuh
Subtotal		49382 Btuh
Duct loss		2469 Btuh
TOTAL HEAT LOSS		51851 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2941 sqft)

Load component		Load
Window total	516 sqft	21492 Btuh
Wall total	3315 sqft	5651 Btuh
Door total	91 sqft	908 Btuh
Ceiling total	2941 sqft	4176 Btuh
Floor total		0 Btuh
Infiltration	172 cfm	3404 Btuh
Internal gain		3800 Btuh
Subtotal(sensible)		39431 Btuh
Duct gain		3943 Btuh
Total sensible gain		43374 Btuh
Latent gain(infiltration)		5962 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		7342 Btuh
TOTAL HEAT GAIN		50716 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: 8-10-04

Manual J Winter Calculations

Residential Load - Component Details (continued)

EAGLE / HOLTON

Project Title:
Carter BS

Code Only
Professional Version
Climate: North

Lake City, FL

8/10/2004

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 - Winter

Residential Load - Component Details

EAGLE / HOLTON

Project Title:
Carter BS

Code Only
Professional Version
Climate: North

Lake City, FL

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

8/10/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
2	2, Clear, Metal, DEF	N	32.5	28.3	920 Btuh
3	2, Clear, Metal, DEF	NE	16.3	28.3	460 Btuh
4	2, Clear, Metal, DEF	NW	16.3	28.3	460 Btuh
5	2, Clear, Metal, DEF	W	60.0	28.3	1698 Btuh
6	2, Clear, Metal, DEF	W	12.0	28.3	340 Btuh
7	2, Clear, Metal, DEF	S	72.0	28.3	2038 Btuh
8	2, Clear, Metal, DEF	S	39.0	28.3	1104 Btuh
9	2, Clear, Metal, DEF	SE	32.0	28.3	906 Btuh
10	2, Clear, Metal, DEF	NE	16.0	28.3	453 Btuh
11	2, Clear, Metal, DEF	SE	12.0	28.3	340 Btuh
12	2, Clear, Metal, DEF	SW	12.0	28.3	340 Btuh
13	2, Clear, Metal, DEF	E	32.0	28.3	906 Btuh
14	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
15	2, Clear, Metal, DEF	E	36.0	28.3	1019 Btuh
16	2, Clear, Metal, DEF	E	12.0	28.3	340 Btuh
17	2, Clear, Metal, DEF	E	40.0	28.3	1132 Btuh
Window Total			516		14603 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	3147	3.1	9756 Btuh
2	Frame - Adjacent	13.0	168	1.6	269 Btuh
Wall Total			3315		10025 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		33	17.9	592 Btuh
2	Wood - Exter		40	17.9	718 Btuh
3	Wood - Adjac		18	9.2	166 Btuh
Door Total			91		1475Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2941	1.3	3823 Btuh
Ceiling Total			2941		3823Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	349.0 ft(p)	31.6	11028 Btuh
Floor Total			349		11028 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	29410(sqft)	196	8428 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				196	8428 Btuh

Totals for Heating		Subtotal	49382 Btuh
		Duct Loss(using duct multiplier of 0.05)	2469 Btuh
		EnergyGauge® FLRCPB v3.2	

Manual J Summer Calculations

Residential Load - Component Details (continued)

EAGLE / HOLTON

Project Title:
Carter BS

Code Only
Professional Version
Climate: North

Lake City, FL

8/10/2004

Totals for Cooling	Subtotal	39431 Btuh
	Duct gain(using duct multiplier of 0.10)	3943 Btuh
	Total sensible gain	43374 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	5962 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	50716 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

System Sizing Calculations - Summer

Residential Load - Component Details

EAGLE / HOLTON

Project Title:
Carter BS

Code Only
Professional Version
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

8/10/2004

Window	Type	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Panes/SHGC/U/InSh/ExSh		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	22	22	1320 Btuh
2	2, Clear, DEF, N, N	N	3.5	6	32.5	0.0	32.5	22	22	715 Btuh
3	2, Clear, DEF, N, N	NE	8.5	6	16.3	0.0	16.3	22	50	812 Btuh
4	2, Clear, DEF, N, N	NW	8.5	6	16.3	0.0	16.3	22	50	812 Btuh
5	2, Clear, DEF, N, N	W	1.5	6	60.0	1.5	58.5	22	72	4246 Btuh
6	2, Clear, DEF, N, N	W	1.5	3	12.0	0.7	11.3	22	72	827 Btuh
7	2, Clear, DEF, N, N	S	1.5	7.25	72.0	72.0	0.0	22	37	1584 Btuh
8	2, Clear, DEF, N, N	S	1.5	7.25	39.0	39.0	0.0	22	37	858 Btuh
9	2, Clear, DEF, N, N	SE	5.33	7.25	32.0	16.0	16.0	22	62	1344 Btuh
10	2, Clear, DEF, N, N	NE	1.5	7	16.0	0.0	16.0	22	50	800 Btuh
11	2, Clear, DEF, N, N	SE	3	7	12.0	8.1	3.9	22	62	420 Btuh
12	2, Clear, DEF, N, N	SW	6.66	7	12.0	12.0	0.0	22	62	264 Btuh
13	2, Clear, DEF, N, N	E	7.5	7	32.0	27.9	4.1	22	72	911 Btuh
14	2, Clear, DEF, N, N	E	30	7	16.0	16.0	0.0	22	72	352 Btuh
15	2, Clear, DEF, N, N	E	1.5	7	36.0	0.7	35.3	22	72	2555 Btuh
16	2, Clear, DEF, N, N	E	1.5	3	12.0	0.5	11.5	22	72	840 Btuh
17	2, Clear, DEF, N, N	E	1.5	6	40.0	1.0	39.0	22	72	2831 Btuh
Window Total					516					21492 Btuh
Walls	Type	R-Value		Area		HTM		Load		
	1	Frame - Exterior	13.0	3147.0		1.7		5476 Btuh		
2	Frame - Adjacent	13.0	168.0		1.0		175 Btuh			
Wall Total					3315.0			5651 Btuh		
Doors	Type	R-Value		Area		HTM		Load		
	1	Wood - Exter		33.0		10.0		329 Btuh		
2	Wood - Exter			40.0		10.0		399 Btuh		
3	Wood - Adjac			18.0		10.0		180 Btuh		
Door Total					91.0			908 Btuh		
Ceilings	Type/Color	R-Value		Area		HTM		Load		
	1	Under Attic/Dark	30.0	2941.0		1.4		4176 Btuh		
Ceiling Total					2941.0			4176 Btuh		
Floors	Type	R-Value		Size		HTM		Load		
	1	Slab-On-Grade Edge Insulation	0.0	349.0 ft(p)		0.0		0 Btuh		
Floor Total					349.0			0 Btuh		
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.35		29410		171.9		3404 Btuh		
	Mechanical					0		0 Btuh		
Infiltration Total					172			3404 Btuh		

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	6	X 300 +	2000	3800 Btuh

Year T Property Sel

AG 000

2005 R 26-3S-16-02309-004

Bldg 000

271 FAIRWAY DR NW LAKE CITY

Xfea 000

EAGLE THOMAS H

29500 TOTAL B*

1	LOT 4 FAIRWAY VIEW S/D UNIT 1.	ORB 656-659, 743-1557	2
3	WD 1026-48.		4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 10/12/2004 KYLIE

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

ATTN: WEEBIE/KEN STREET

**Columbia County Building Department
Culvert Waiver****Culvert Waiver No.
000000454**

DATE: 11/19/2004

BUILDING PERMIT NO. 22517

APPLICANT DAVID MANGRUM

PHONE 752-4716

ADDRESS 2091 SW MAIN BLVD

LAKE CITY

FL 32025

OWNER TOM EAGLE/SUSAN HOLTON

PHONE 823-8612

ADDRESS 271 NW FAIRWAY DRIVE

LAKE CITY

FL 32055

CONTRACTOR DAVID MANGRUM

PHONE 752-4716

LOCATION OF PROPERTY 90W, TR ON COMMERCE BLVD, TURN ON FAIRWAY DRIVE, PROPERTY ON
RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT FAIRWAY VIEW

4

1

PARCEL ID # 26-3S-16-02309-004

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: David MangrumA SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLYI HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

APPROVED

NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS:

No Culvert Needed No Ditches
on Roadway

SIGNED:

Ken Street

DATE:

02/25/05

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

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160

MS PEACHES:

RETURN: 4782-2160
758

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING INSPECTION

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 26-3S-16-02309-004

Building permit No. 000022517

Use Classification SFD & UTILITY

Fire: 5.67

Permit Holder DAVID MANGRUM

Waste: 12.25

Owner of Building TOM EAGLE/SUSAN HOLTON

Total: 17.92

Location: 271 NW FAIRWAY DR(FAIRWAY VIEW, LOT 4)

Date: 08/18/2005

Henry Dicks

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)