

DATE 06/16/2025

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023278

APPLICANT MIKE MILLIGAN PHONE 755.2411
ADDRESS POB 3535 LAKE CITY FL 32056
OWNER MARK HADDOX PHONE 755.2411
ADDRESS 372 SUNDAY GLEN LAKE CITY FL 32055
CONTRACTOR WILLIAM G. WOOD PHONE 752.2411
LOCATION OF PROPERTY 47-S TO KING RD,TURN R AND IT TURNS INTO BISHOP RD, GO TO
SUNDAY GLEN,TR, 150 YDS ON L.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 130300.00
HEATED FLOOR AREA 2606.00 TOTAL AREA 3778.00 HEIGHT 23.80 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE XPSP DEVELOPMENT PERMIT NO. _____

PARCEL ID 34-4S-16-03271-003 SUBDIVISION _____
LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 1.012

000000699 N CBC058182 Mark Wood
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32"MITERED 05-0549-N BLK N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: PREVIOUS OWNER CONFIRMS NO STANDING WATER AT LOCATION OF HOUSE. PER
ENGINEER 1ST. FLOOR ELVATION TO BE @ 66.1 FEET. ELEVATION LETTE

REQUIRED BEFORE SLAB. Check # or Cash 101

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 \$ 655.00 CERTIFICATION FEE \$ 18.89 SURCHARGE FEE \$ 18.89
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ _____ WASTE FEE \$ _____
FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ 25.00 TOTAL FEE 767.78

INSPECTORS OFFICE [Signature] CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

CK#101

left in SSAW 6/1
Revised 9-23-04

For Office Use Only Application # 0505-70 Date Received 5/19/05 By JW Permit # 699-23270
 Application Approved by - Zoning Official BLK Date 10.06.05 Plans Examiner OKJH Date 5-31-05
 Flood Zone X-1 Development Permit NA Zoning A-3 Land Use Plan Map Category A-3
 Comments Per Engineer 1st Floor Elevation to be at 6.1 Feet Elevation letter required before slab.

Applicants Name Michael Milligan Phone 386 755-2411
 Address P.O. 3535
 Owners Name MARK Haddox Phone 386 758-9719
 911 Address 3724 Sunday Glenn LAKE CITY, FL. 32055
 Contractors Name Woodman PARK Phone 386 755-2411
 Address P.O. 3535 LAKE CITY FL. 32055
 Fee Simple Owner Name & Address N/A
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address MARK DISOSWAY, P.O. 868 LC FL. 32056
 Mortgage Lenders Name & Address N/A
 Circle the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
 Property ID Number R03271-003 (34-46-16) Estimated Cost of Construction 200,000
 Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions King Rd (west) info Bishop Rd. to Sunday Glenn Rt. 150 yds. on left.

Type of Construction NEW LDFD Number of Existing Dwellings on Property 0
 Total Acreage 10.120 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 400 Side 200 Side 200 Rear 400
 Total Building Height 23' 8" Number of Stories 1 Heated Floor Area 2743 Roof Pitch _____

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.

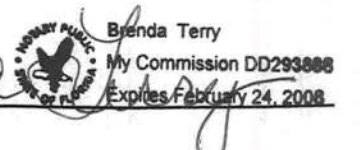
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Michael Milligan
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 17 day of May 2005.
 Personally known ✓ or Produced Identification _____

[Signature]
 Contractor Signature
 Contractors License Number CBC058182
 Competency Card Number _____
 NOTARY STAMP/SEAL
Brenda Terry
 Notary Signature



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **HADDOX BISHOP ROAD 2**
Address: **BISHOP ROAD**
City, State: **, HADDOX**
Owner: **HADDOX**
Climate Zone: **North**

Builder: **WOODMAN PARK BUILDER**
Permitting Office: **COLUMBIA COUNTY**
Permit Number: **23278**
Jurisdiction Number: **22100**

- | | | |
|--|--|-----------------------|
| 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 | 4 | ___ |
| 5. Is this a worst case? | No | ___ |
| 6. Conditioned floor area (ft ²) | 2606 ft ² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 147.0 ft ² | 134.5 ft ² |
| b. Default tint, default U-factor | 0.0 ft ² | 0.0 ft ² |
| c. Labeled U-factor or SHGC | 0.0 ft ² | 0.0 ft ² |
| 8. Floor types | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 204.0(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=17.5, 1491.5 ft ² | ___ |
| b. Frame, Wood, Adjacent | R=17.5, 180.0 ft ² | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 2606.1 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 66.0 ft | ___ |
| b. N/A | | ___ |
| 12. Cooling systems | | |
| a. Central Unit | Cap: 60.0 kBtu/hr | ___ |
| | SEER: 12.00 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 13. Heating systems | | |
| a. PTHP | Cap: 60.0 kBtu/hr | ___ |
| | COP: 3.40 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 14. Hot water systems | | |
| a. Electric Resistance | Cap: 40.0 gallons | ___ |
| | EF: 0.90 | ___ |
| b. N/A | | ___ |
| c. Conservation credits | | ___ |
| | (HR-Heat recovery, Solar | |
| | DHP-Dedicated heat pump) | |
| 15. HVAC credits | | ___ |
| | (CF-Ceiling fan, CV-Cross ventilation, | |
| | HF-Whole house fan, | |
| | PT-Programmable Thermostat, | |
| | MZ-C-Multizone cooling, | |
| | MZ-H-Multizone heating) | |

Glass/Floor Area: 0.11

Total as-built points: 28643

Total base points: 37978

PASS

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

PREPARED BY: Larry Resmundo A/C

DATE: May 26, 2005

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

OWNER/AGENT: [Signature]

DATE: 5/27/05

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: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2606.0	20.04	9400.4	Double, Clear	S	1.5	6.0	87.5	35.87	0.86	2687.0
				Single, Clear	S	9.0	8.0	105.0	40.81	0.50	2151.1
				Double, Clear	E	1.5	6.0	15.0	42.06	0.91	575.9
				Single, Clear	N	6.0	8.0	42.0	21.73	0.76	690.5
				Double, Clear	N	1.5	5.0	32.0	19.20	0.92	562.5
				As-Built Total:						281.5	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	180.0	0.70	126.0	Frame, Wood, Exterior	17.5			1491.5	1.05	1566.1	
Exterior	1491.5	1.70	2535.6	Frame, Wood, Adjacent	17.5			180.0	0.45	81.0	
Base Total:		1671.5	2661.6	As-Built Total:			1671.5			1647.1	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				63.0	6.10	384.3	
Exterior	63.0	6.10	384.3								
Base Total:		63.0	384.3	As-Built Total:			63.0			384.3	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2606.1	1.73	4508.6	Under Attic	30.0			2606.1	1.73 X 1.00	4508.6	
Base Total:		2606.1	4508.6	As-Built Total:			2606.1			4508.6	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	204.0(p)	-37.0	-7548.0	Slab-On-Grade Edge Insulation	0.0			204.0(p)	-41.20	-8404.8	
Raised	0.0	0.00	0.0								
Base Total:		-7548.0		As-Built Total:			204.0			-8404.8	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
		2606.0	10.21					2606.0	10.21	26607.3	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 36014.0				Summer As-Built Points: 31409.4							
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
36014.0		0.4266	15363.6	31409.4		1.000	(1.090 x 1.147 x 0.91)	0.284	1.000	10163.6	
				31409.4		1.00	1.138	0.284	1.000	10163.6	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang		Area X WPM X WOF = Points				
					Ornt	Len	Hgt	Area	X WPM	X WOF	= Points
.18	2606.0	12.74	5976.1	Double, Clear	S	1.5	6.0	87.5	13.30	1.12	1300.3
				Single, Clear	S	9.0	8.0	105.0	20.24	2.94	6255.3
				Double, Clear	E	1.5	6.0	15.0	18.79	1.04	291.9
				Single, Clear	N	6.0	8.0	42.0	33.22	1.01	1415.8
				Double, Clear	N	1.5	5.0	32.0	24.58	1.00	789.4
				As-Built Total:				281.5			10052.8
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	180.0	3.60	648.0	Frame, Wood, Exterior	17.5		1491.5	2.50	3728.8		
Exterior	1491.5	3.70	5518.6	Frame, Wood, Adjacent	17.5		180.0	2.47	445.5		
Base Total:		1671.5	6166.6	As-Built Total:				1671.5	4174.3		
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Wood			63.0	12.30	774.9		
Exterior	63.0	12.30	774.9								
Base Total:		63.0	774.9	As-Built Total:				63.0	774.9		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2606.1	2.05	5342.5	Under Attic	30.0		2606.1	2.05 X 1.00	5342.5		
Base Total:		2606.1	5342.5	As-Built Total:				2606.1	5342.5		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	204.0(p)	8.9	1815.6	Slab-On-Grade Edge Insulation	0.0		204.0(p)	18.80	3835.2		
Raised	0.0	0.00	0.0								
Base Total:			1815.6	As-Built Total:				204.0	3835.2		
INFILTRATION Area X BWPM = Points											
				Area X WPM = Points							
2606.0 -0.59 -1537.5				2606.0 -0.59 -1537.5							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		18538.1		Winter As-Built Points:			22642.1			
Total Winter Points	X System Multiplier	=	Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
18538.1	0.6274		11630.8	22642.1	1.000	(1.069 x 1.169 x 0.93)	0.294	1.000		7739.5
				22642.1	1.00	1.162	0.294	1.000		7739.5

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier	X Credit Multiplier = Total
4		2746.00	10984.0	40.0	0.90	4	1.00	2684.98	1.00 10739.9
				As-Built Total:					
				10739.9					

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15364	11631	10984	37978	10164	7739	10740	28643

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5

The higher the score, the more efficient the home.

HADDOX, BISHOP ROAD, , ,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 60.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2606 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	147.0 ft ² 134.5 ft ²	a. PTHP	Cap: 60.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft ² 0.0 ft ²	b. N/A	COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft ² 0.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A		b. N/A	EF: 0.90
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=17.5, 1491.5 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=17.5, 180.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2606.1 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 66.0 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 v3.4)



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

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

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

December 20, 2004

Mark Maddox
245 N.W. Wildflower Lane
Lake City, Florida 32055

Reference: Proposed Residence
S. W. Sunday Glen
Property Identification Number: 34-4S-16-03271-003
Columbia County, Florida
Cal-Tech Project No. 04-578

Dear Mr. Maddox,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of a proposed home site at S. W. Sunday Glen in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed at the site and to provide recommendations for selecting a finished floor elevation.

Based upon the F.E.M.A flood map for the area, a flood zone is located to the west of the proposed home site a distance of less than 500 feet. This "Zone A" flood zone does not have an established flood elevation; however, based upon the U.S.G.S. quadrangle map of the area and the F.E.M.A. flood map, we estimate the flood elevation within the delineated flood zone to be approximately 62.0 feet; however, for this evaluation an estimate of 63.0 feet will be used. Portions of both maps have been used to construct the attached drawing. Elevation contours, the "zone A" flood zone, and the property lines are indicated on the drawing.

A benchmark is identified on the quadrangle map, and this benchmark was located in the field. This "U.S. Coast and Geodetic Survey" marker is identified as "BF99" and has a reported elevation of 84.85 feet. Using this elevation a temporary benchmark of elevation 68.81 feet was set at the site. Also, the elevation of the ground surface at the center of the proposed home site was determined to be 64.6 feet. This elevation is only about 1.6 feet above the estimated flood elevation of 63.0 feet. The elevation of the soil roadway adjacent the proposed building site was determined to be approximately 68.2 feet or about 3.6 feet above the ground surface at the home site.

Based upon our findings, we believe it is safe to build a home at the site; however, we recommend the site be raised approximately 0.5 feet to provide at least 2.0 feet of separation between the finished floor elevation and the estimated flood elevation of 63.0 feet. Further, we recommend the site be raised an additional 1.0 feet such that the finished floor is at least 1.0 feet above the adjacent ground surface at the

"Excellence in Engineering & Geoscience"

perimeter of the residence. Thus, we recommend the finished floor elevation be no less than 66.1 feet in elevation.

Providing this finished floor elevation should provide sufficient safety against flooding, and raising the finished floor elevation to 2.0 feet above the adjacent roadway should not be necessary.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.



Linda Creamer
President / CEO



John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

12/20/04
52612

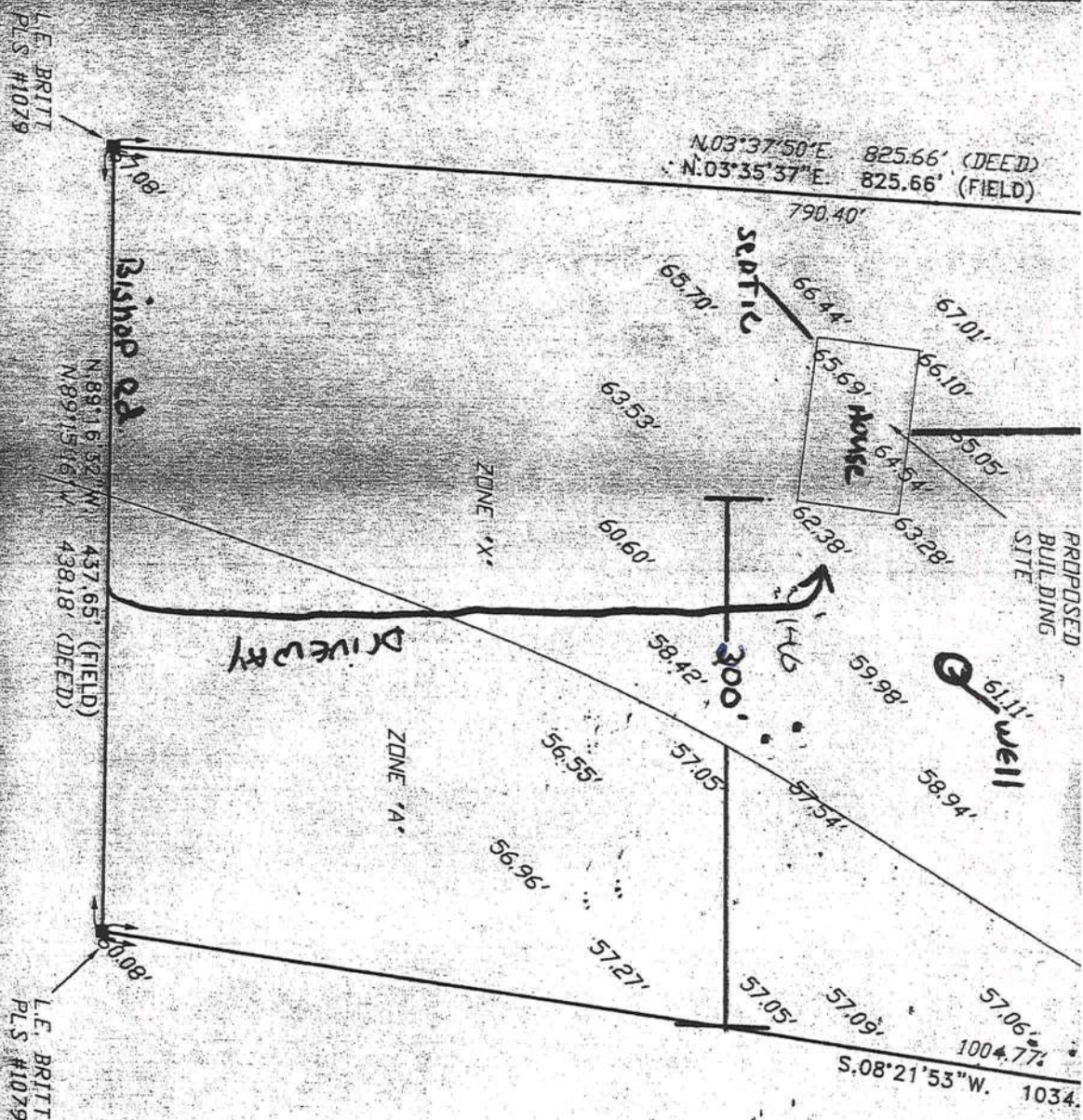
Property
Lines

Flood Zone
(Dots)

Elevation
Contours

N





CERTIFIED TO:

MARK HADDOX

FIELD BOOK 1273 PAGE(S) 27

5/12/05

I HEREBY
TECHNICAL
IN CHARGE

FIELD SURVEY

NOTE: UNLESS
MARKER THIS

TERRY McDAVID 05-45
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 R03271-003

Inst:2005001618 Date:01/24/2005 Time:15:53

Doc Stamp-Deed : 502.60

mk DC, P. Dewitt Cason, Columbia County B:1036 P:422

WARRANTY DEED

This Warranty Deed, made this 20th day of January, 2005, BETWEEN RANDALL KING and SIBYL KING, Husband and Wife whose post office address is 1533 SW King Street, Lake City, FL 32024, of the County of Columbia, State of Florida, grantor*, and MARK E. HADDOX and BOBBIE E. HADDOX, Husband and Wife whose post office address is 245 NW Wildflower Lane, Lake City, FL 32055, of the County of Columbia, State of Florida, grantee*.

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

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:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

N.B.: Grantor reserves an ingress, egress and utility easement over and across the Northerly 30 feet of the subject property.


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


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

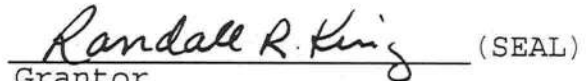
And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.


In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:


(Signature of First Witness)
Terry McDavid
(Typed Name of First Witness)


(Signature of Second Witness)
Crystal L. Brunner
(Typed Name of Second Witness)

 (SEAL)
Grantor
RANDALL KING
Printed Name

 (SEAL)
Grantor
SIBYL KING
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 20th
day of January, 2005, by RANDALL KING and SIBYL KING, Husband and
Wife who are personally known to me and who did not take an oath.

My Commission Expires:



Notary Public
Printed, typed, or stamped name:



EXHIBIT "A"

TOWNSHIP 4 SOUTH - RANGE 16 EAST

SECTION 34: A part of the N 1/2 of the SE 1/4 of Section 34, Township 4 South, Range 16 East, more particularly described as follows: Commence at the Northeast corner of the said SE 1/4 and run S 8°22'07" W, 237.20 feet; thence S 89°52'57" W, 880.0 feet for a Point of Beginning. Thence S 8°21'53" W, 1034.74 feet; thence N 89°15'16" W 438.18 feet; thence N 3°37'50" E, 825.66 feet; thence N 70°06'49" E, 570.40 feet to the Point of Beginning. Columbia County, Florida.

TOGETHER WITH the right of ingress and egress over and across a 60 foot easement whose centerline is described as follows:

Commence at the Northeast corner of the said SE 1/4 and run S 8°21'53" W along the West Right-of-Way line of Bishop Road, 237.20 feet to the centerline of said 60 foot easement for a Point of Beginning. Thence run S 89°52'57" W along said easement centerline, 880.0 feet; thence S 70°06'49"W, 1204.12 feet; thence S 89°50'21"W 30 feet to the Point of Termination of said centerline of said 60 foot easement.

Inst:2005001618 Date:01/24/2005 Time:15:53

Doc Stamp-Deed : 502.60

_____, P. Dewitt Cason, Columbia County B:1036 P:424

Columbia County Property Appraiser

DB Last Updated: 4/4/2005

2005 Proposed Values

Parcel: 34-4S-16-03271-003

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Prev

Search Result: 4 of 4

Owner's Name	HADDOX MARK E & BOBBIE E
Site Address	
Mailing Address	245 NW WILD FLOWER LANE LAKE CITY, FL 32055
Brief Legal	COMM NE COR OF SE1/4, RUN S 8 DEG W 237.20 FT, W 880 FT FOR POB, RUN S 8 DEG W 1034.74 FT,

Use Desc. (code)	PASTURELAN (006200)
Neighborhood	34416.00
Tax District	3
UD Codes	MKTA01
Market Area	01
Total Land Area	10.120 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (0)	\$0.00
Ag Land Value	cnt: (1)	\$1,669.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$1,669.00

Just Value	\$41,289.00
Class Value	\$1,669.00
Assessed Value	\$1,669.00
Exempt Value	\$0.00
Total Taxable Value	\$1,669.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
1/20/2005	1036/422	WD	V	Q		\$71,800.00
8/24/2000	911/671	WD	V	Q		\$42,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

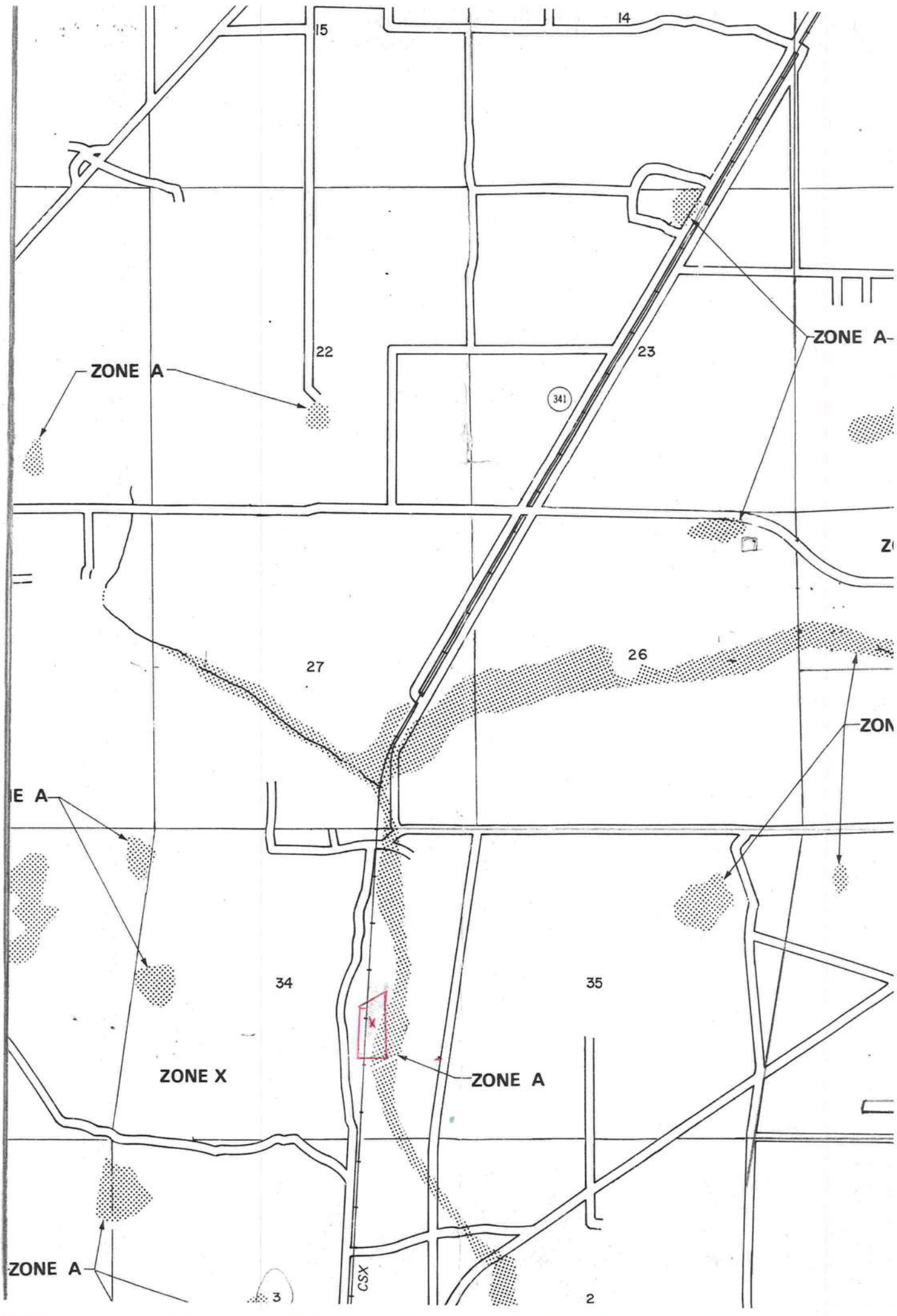
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
006200	PASTURE 3 (AG)	10.120 AC	1.00/1.00/1.00/1.00	\$165.00	\$1,669.00
009910	MKT.VAL.AG (MKT)	10.120 AC	1.00/1.00/1.00/1.00	\$0.00	\$41,289.00

Columbia County Property Appraiser

DB Last Updated: 4/4/2005

<< Prev

4 of 4

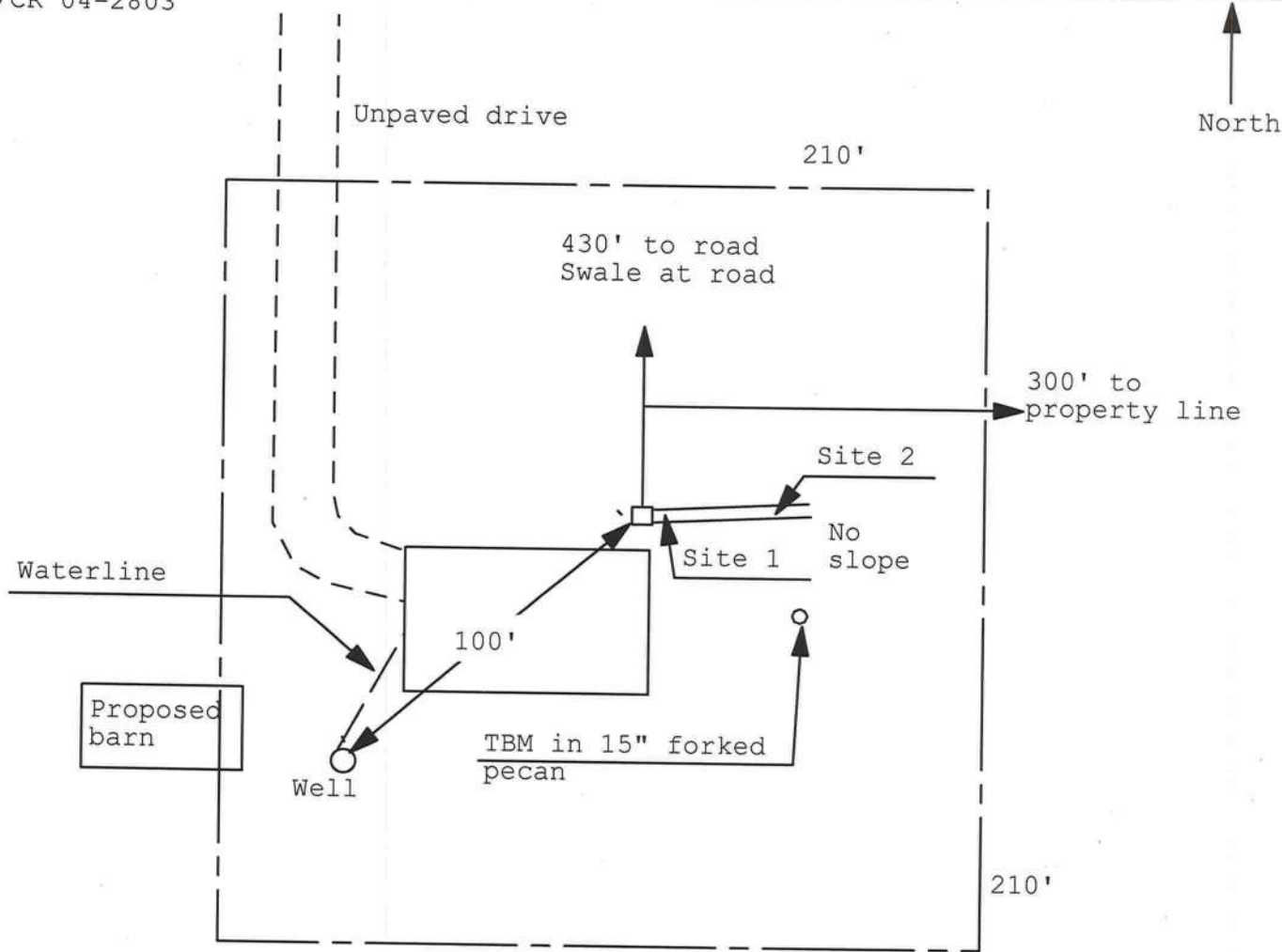


Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan

Permit Application Number: 05-0549N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

HADDOX/CR 04-2803



1 inch = 50 feet

Site Plan Submitted By Paul L. Lipp Date 5/5/05
Plan Approved ☒ Not Approved ☐ Date 5-23-05

By M. O. L. Columbia CPHU

Notes: _____

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY



MEMORANDUM

Date: 3 June 2005
To: Dale Williams, County Manager
From: Brian L. Kepner, County Planner *BLK*
Re: Issuing Building Permit in Flood Prone Areas

I am looking for a clarification concerning issuing building permits in flood prone areas as defined in your memo dated 11 May 2005. I have a few applications that the parcel is partially located within a flood zone as indicated by the FEMA flood insurance rate maps. The site plan submitted with the application shows that the proposed location of the house or mobile home to be out of the flood zone. Am I to still hold up on issuing permits in this type of situation? Does a percentage of the parcel need to be in the flood zone or flood prone and if so what would that percentage be? One application is for a hanger and not the actual dwelling. Please advise.

Brian -

As you are aware, the 2004 Hurricanes proved in many cases that the FEMA maps are not accurate. If we have any knowledge that the lot/parcel flooded beyond the limits indicated on the FEMA maps then you should "hold" the permit. In situations where we don't have any specific additional information I would at least do a brief investigation before issuing the permit. Based on personal knowledge, the hanger is not being placed in an area that flooded although a portion of the lot did.

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	HADDOX BISHOP ROAD 2	Builder:	WOODMAN PARK BUILDER
Address:	BISHOP ROAD	Permitting Office:	COLUMBIA COUNTY
City, State:	,	Permit Number:	23278
Owner:	HADDOX	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 60.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2606 ft²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	147.0 ft² 134.5 ft²	a. PTHP	Cap: 60.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft² 0.0 ft²	b. N/A	COP: 3.40
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 204.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A		b. N/A	EF: 0.90
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=17.5, 1491.5 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=17.5, 180.0 ft²	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, 2606.1 ft²	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, 66.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 28643
Total base points: 37978

PASS

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

PREPARED BY: Larry Resmardo A/C

DATE: May 26, 2005

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


OWNER/AGENT: [Signature]

DATE: 5/27/08

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: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X	SOF = Points			
.18	2606.0	20.04	9400.4	Double, Clear	S	1.5	6.0	87.5	35.87	0.86	2687.0
				Single, Clear	S	9.0	8.0	105.0	40.81	0.50	2151.1
				Double, Clear	E	1.5	6.0	15.0	42.06	0.91	575.9
				Single, Clear	N	6.0	8.0	42.0	21.73	0.76	690.5
				Double, Clear	N	1.5	5.0	32.0	19.20	0.92	562.5
				As-Built Total:						281.5	
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM	= Points			
Adjacent	180.0	0.70	126.0	Frame, Wood, Exterior	17.5		1491.5	1.05	1566.1		
Exterior	1491.5	1.70	2535.6	Frame, Wood, Adjacent	17.5		180.0	0.45	81.0		
Base Total:		1671.5	2661.6	As-Built Total:			1671.5		1647.1		
DOOR TYPES Area X BSPM = Points				Type			Area X SPM	= Points			
Adjacent	0.0	0.00	0.0	Exterior Wood			63.0	6.10	384.3		
Exterior	63.0	6.10	384.3								
Base Total:		63.0	384.3	As-Built Total:			63.0		384.3		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM	= Points			
Under Attic	2606.1	1.73	4508.6	Under Attic	30.0		2606.1 1.73 X 1.00	4508.6			
Base Total:		2606.1	4508.6	As-Built Total:			2606.1		4508.6		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM	= Points			
Slab	204.0(p)	-37.0	-7548.0	Slab-On-Grade Edge Insulation	0.0		204.0(p)	-41.20	-8404.8		
Raised	0.0	0.00	0.0								
Base Total:		-7548.0		As-Built Total:			204.0		-8404.8		
INFILTRATION Area X BSPM = Points						Area X SPM	= Points				
		2606.0	10.21			2606.0	10.21	26607.3			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT											
Summer Base Points: 36014.0				Summer As-Built Points: 31409.4											
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
36014.0		0.4266		15363.6	31409.4		1.000		(1.090 x 1.147 x 0.91)		0.284		1.000		10163.6
					31409.4		1.00		1.138		0.284		1.000		10163.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

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	2606.0	12.74	5976.1	Double, Clear	S	1.5	6.0	87.5	13.30	1.12	1300.3
				Single, Clear	S	9.0	8.0	105.0	20.24	2.94	6255.3
				Double, Clear	E	1.5	6.0	15.0	18.79	1.04	291.9
				Single, Clear	N	6.0	8.0	42.0	33.22	1.01	1415.8
				Double, Clear	N	1.5	5.0	32.0	24.58	1.00	789.4
				As-Built Total:							281.5
WALL TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	180.0	3.60	648.0	Frame, Wood, Exterior	17.5			1491.5	2.50	3728.8	
Exterior	1491.5	3.70	5518.6	Frame, Wood, Adjacent	17.5			180.0	2.47	445.5	
Base Total:		1671.5	6166.6	As-Built Total:			1671.5		4174.3		
DOOR TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				63.0	12.30	774.9	
Exterior	63.0	12.30	774.9								
Base Total:		63.0	774.9	As-Built Total:			63.0		774.9		
CEILING TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	2606.1	2.05	5342.5	Under Attic	30.0			2606.1	2.05 X 1.00	5342.5	
Base Total:		2606.1	5342.5	As-Built Total:			2606.1		5342.5		
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	204.0(p)	8.9	1815.6	Slab-On-Grade Edge Insulation	0.0			204.0(p)	18.80	3835.2	
Raised	0.0	0.00	0.0								
Base Total:			1815.6	As-Built Total:			204.0		3835.2		
INFILTRATION											
Area X BWPM = Points							Area X WPM = Points				
		2606.0	-0.59					2606.0	-0.59	-1537.5	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		18538.1		Winter As-Built Points:				22642.1			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
18538.1		0.6274	11630.8	22642.1		1.000	(1.069 x 1.169 x 0.93)	0.294	1.000	7739.5	
				22642.1		1.00	1.162	0.294	1.000	7739.5	

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

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
4		2746.00		10984.0	40.0	0.90	4		1.00	2684.98
					As-Built Total:					10739.9

CODE COMPLIANCE STATUS							
BASE					AS-BUILT		
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points + Hot Water Points = Total Points
15364		11631		10984 37978	10164		7739 10740 28643

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: BISHOP ROAD, , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5

The higher the score, the more efficient the home.

HADDOX, BISHOP ROAD, , ,

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 4
5. Is this a worst case? No
6. Conditioned floor area (ft²) 2606 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 147.0 ft² 134.5 ft²
b. Default tint, default U-factor 0.0 ft² 0.0 ft²
c. Labeled U-factor or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 204.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=17.5, 1491.5 ft²
b. Frame, Wood, Adjacent R=17.5, 180.0 ft²
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 2606.1 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 66.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 60.0 kBtu/hr SEER: 12.00
b. N/A
c. N/A
13. Heating systems
a. PTHP Cap: 60.0 kBtu/hr COP: 3.40
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 40.0 gallons EF: 0.90
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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™ 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 v3.4)

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000699**

DATE 06/16/2005 PARCEL ID # 34-4S-16-03271-003
APPLICANT MIKE MILLIGAN PHONE 755.2411
ADDRESS POB 3535 LAKE CITY FL 32056
OWNER MARK HADDOX PHONE 758.9719
ADDRESS 372 SUNDAY GLEN LAKE CITY FL 32055
CONTRACTOR WILLIAM G. WOOD PHONE 755.2411
LOCATION OF PROPERTY 47-S TO KING ROAD,TR TURNS INTO BISHOP RD TO SUNDAY GLEN,TR, 150
YARDS ON L. _____

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

SIGNATURE 

INSTALLATION REQUIREMENTS

☒

Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

☐

Culvert installation shall conform to the approved site plan standards.

☐

Department of Transportation Permit installation approved standards.

☐

Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.

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

Amount Paid 25.00





Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

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

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

July 13, 2005

Mark Maddox
245 N.W. Wildflower Lane
Lake City, Florida 32055

Reference: Proposed Residence
S. W. Sunday Glen
Property Identification Number: 34-4S-16-03271-003
Columbia County, Florida
Cal-Tech Project No. 04-578

Dear Mr. Maddox,

Cal-Tech Testing, Inc. has performed an investigation to determine the elevation of the finished floor of the home currently under construction at S. W. Sunday Glen in Columbia County, Florida. The purposes of our work were to determine if the floor is at or above the recommended elevation of 66.1 feet.

Using a temporary benchmark of elevation 68.81 feet set at the site, the finished floor elevation, based upon the top of the stem wall, was determined to be 66.57 feet. Thus the finished floor is approximately 6 inches above the recommended elevation.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

7/13/05
52612

"Excellence in Engineering & Geoscience"

July 11, 2005

Building and Zoning, Columbia County, Florida

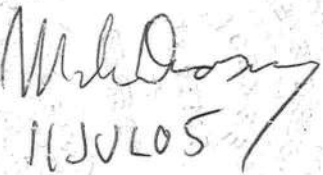
Re: Site Evaluation, Mark Haddox Residence, 372 SW Sunday Glen, Lake City, FL 32055, 34-4S-16-03271-003, Columbia County, FL

Dear Building Inspector:

I have checked the finished floor slab height relative to the temporary benchmark at 68.81' established by Cal-Tech Testing Inc. (Cal-Tech letter dated 20Dec2004 to Mark Maddox, attached) for the Mark Haddox Residence, 372 SW Sunday Glen, Lake City, FL 32055, 34-4S-16-03271-003, Columbia County, FL. The proposed finished floor elevation (the top of the stem wall foundation as built and prepped for slab) is higher than the 66.1' elevation established by Cal-Tech to provide safety against flooding.

The owner should be aware that if free drainage is not maintained in the Cannon Creek, or if future development in the area causes increased storm water run off, or if rainfall occurs with greater flooding effect than the design storm, the level of the creek could rise higher than anticipated and nearby Zone A areas could be larger than indicated by FEMA and his house would be more susceptible to flooding. The topo map shows elevation of the lot varies from 115 - 120' and the creek below 110'.

Sincerely,



Mark Disosway, PE

SECTION 1804 FOOTINGS AND FOUNDATIONS; §1804.1.1 Foundations shall be built on undisturbed soil or properly compacted fill material. Foundations shall be constructed of materials described in this chapter.

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

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

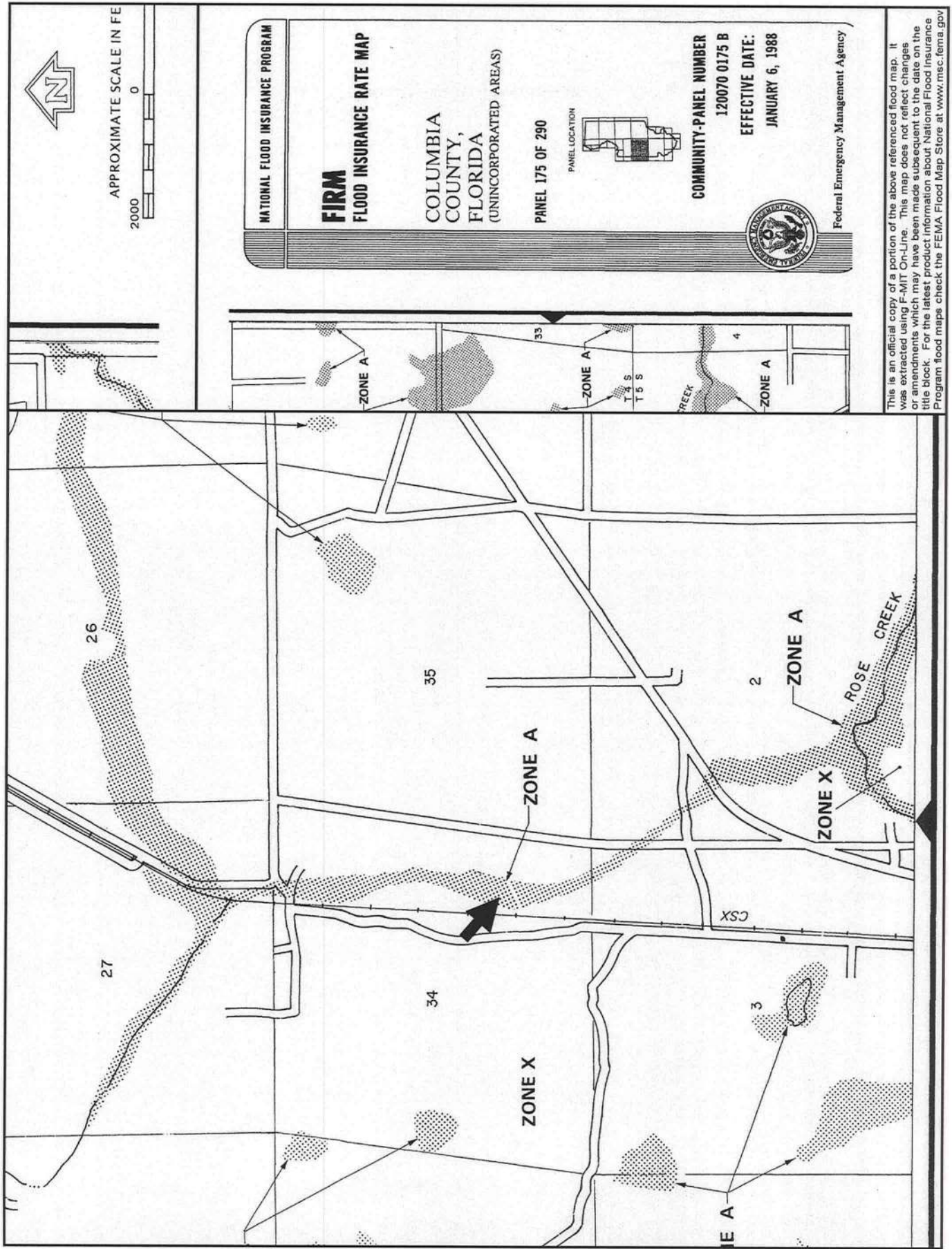
§1804.1.4 Temporary buildings and buildings not exceeding one story in height and 400 sq ft (37 m²) in area shall be exempt from these requirements.

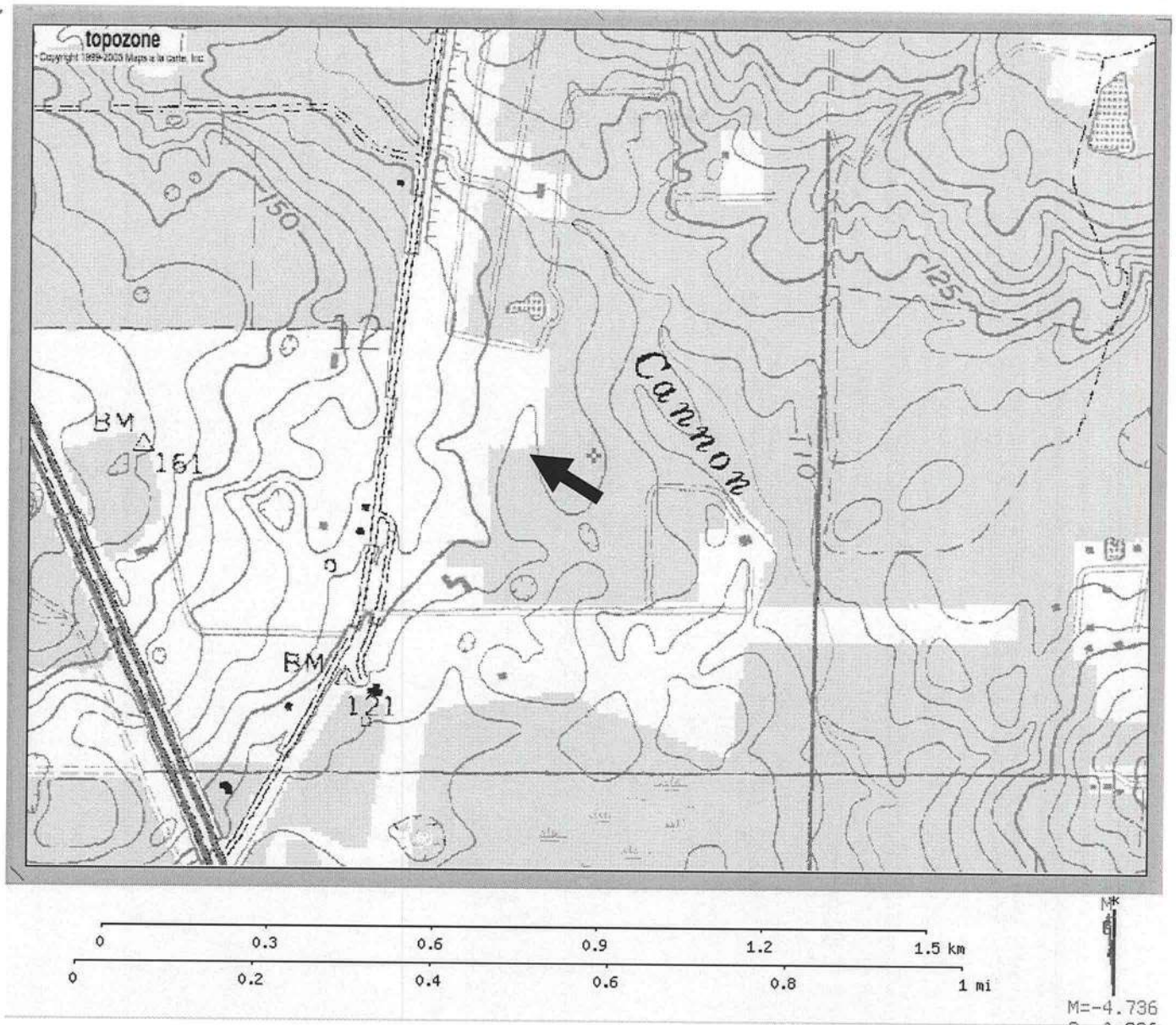
§1804.1.5 Excavations for foundations shall be backfilled with soil which is free of organic material, construction debris and large rocks.

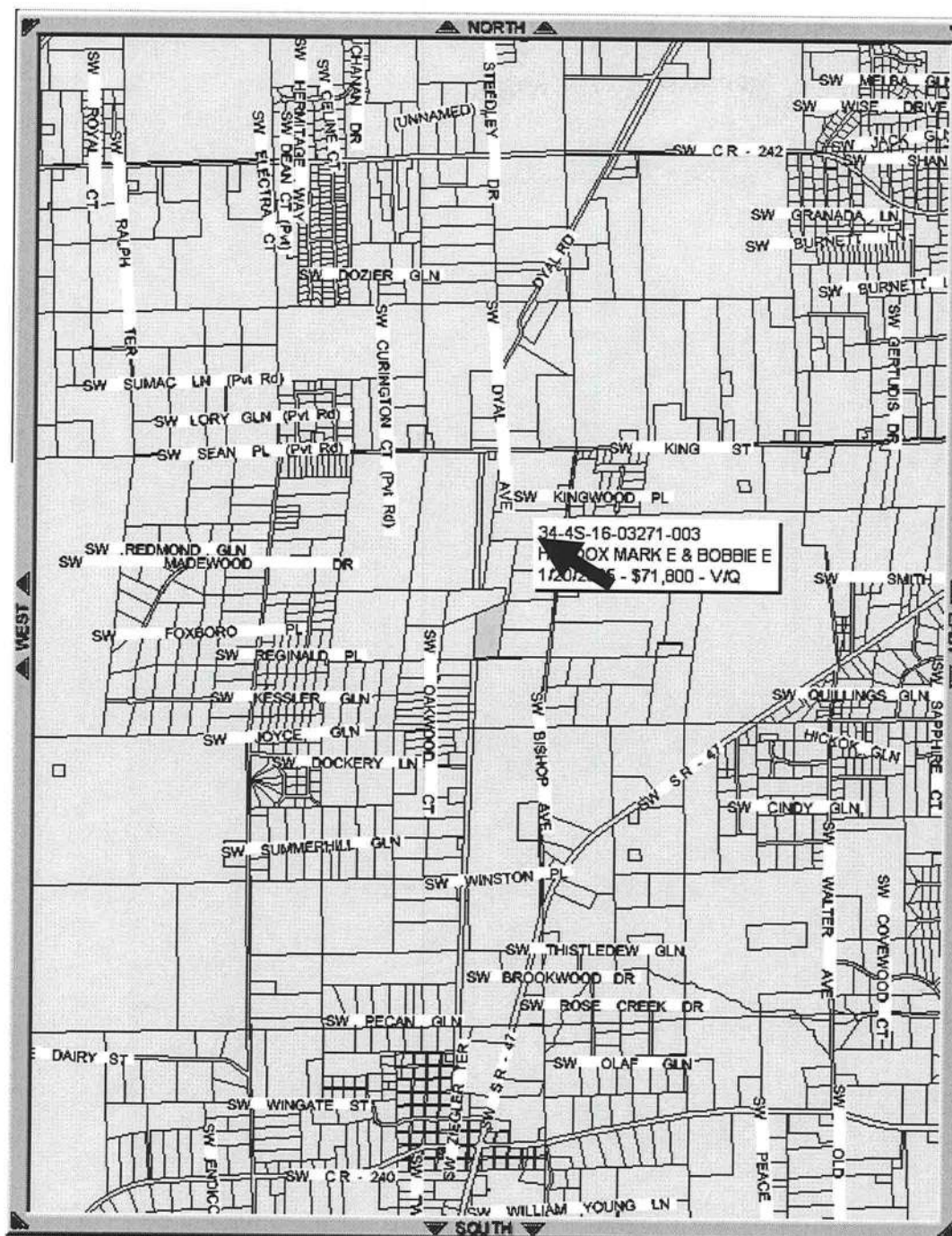
§1804.1.6 Where water impacts the ground from a roof valley, downspout, scupper or other rain water collection or diversion device, provisions shall be made to prevent soil erosion and direct the water away from the foundation.

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

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







PIN	34-4S-16-03271-003
Use	PASTURELAN (006200)
Yr.Blt	
Desc	COMM NE COR OF SE1/4, RUN S 8 DEG W 237.20 FT, W 880 FT FOR POB, RUN S 8 DEG W 1034.74 FT,

OWNER INFO	
Name	HADDOX MARK E & BOBBIE E
Site	
Mail	245 NW WILD FLOWER LANE LAKE CITY, FL 32055

ASSESSMENT INFO	
LndVal	\$0.00
AgVal	\$1,669.00
BldVal	\$0.00
AprVal	\$1,669.00
JustVal	\$41,289.00
Assd	\$1,669.00
Exmpt	\$0.00
Taxable	\$1,669.00

SALES INFO	
1/20/2005	\$71,800.00 V / Q
8/24/2000	\$42,000.00 V / Q

SEARCH RESULTS	
<input checked="" type="checkbox"/>	Highlight Parcel
<input checked="" type="checkbox"/>	Label Parcel
<input checked="" type="checkbox"/>	Auto-Zoom Parcel
1 of 1	

DB Last Updated: 6/2/2005
GIS Map Updated: 6/2/2005

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0523
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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.

#23278

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace 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: Woodman Park Builders Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 372 Sanday Glen
Lake City, FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Rock

Section 4: Treatment Information

Date(s) of Treatment(s) 7-18-05
Brand Name of Product(s) Used Pro-1
EPA Registration No. 19713-514
Approximate Final Mix Solution % 0.5%
Approximate Size of Treatment Area: Sq. ft. _____ Linear ft. 380 Linear ft. of Masonry Voids 380
Approximate Total Gallons of Solution Applied 944
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 Branner 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 [Signature] Date 7-11-05

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)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

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

23278

Mark Haddock

365-4981

**ENERGY EFFICIENCY CODE
BUILDING CONSTRUCTION**

Florida Department of Community Affairs

Whole Building Performance Method A

GLEN

Builder:

Permitting Office:

Permit Number:

Jurisdiction Number:

**WOODMAN PARK BUILDER
COLUMBIA COUNTY**

2. Single family or multi-family	New	12. Cooling systems	
3. Number of units, if multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr
4. Number of Bedrooms	1		SEER: 12.00
5. Is this a worst case?	4	b. Central Unit	Cap: 24.0 kBtu/hr
6. Conditioned floor area (ft ²)	No		SEER: 12.00
7. Glass area & type	3206 ft ²	c. N/A	
a. Clear glass, default U-factor	Single Pane		
b. Default tint, default U-factor	Double Pane	13. Heating systems	
c. Labeled U-factor or SHGC	112.0 ft ²	a. PTHP	Cap: 48.0 kBtu/hr
8. Floor types	239.0 ft ²		COP: 3.40
a. Slab-On-Grade Edge Insulation	0.0 ft ²	b. PTHP	Cap: 24.0 kBtu/hr
b. N/A	0.0 ft ²		COP: 3.40
c. N/A		c. N/A	
9. Wall types	R=0.0, 318.5(p) ft	14. Hot water systems	
a. Frame, Wood, Exterior		a. Electric Resistance	Cap: 50.0 gallons
b. N/A	R=17.5, 2259.0 ft ²		EF: 0.90
c. N/A		b. N/A	
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar	
10. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 3206.0 ft ²	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
11. Ducts		PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft	MZ-C-Multizone cooling,	
b. Sup: Con. Ret: Con. AH: Attic	Sup. R=6.0, 30.0 ft	MZ-H-Multizone heating)	

Glass/Floor Area: 0.11

Total as-built points: 32863

Total base points: 43647

PASS

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

PREPARED BY: Larry Resmondo A/c**DATE:** Aug 30, 2005

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: 372 SUNDAY GLEN, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	3206.0	20.04	11564.7	Double, Clear	S	1.5	6.0	15.0	35.87	0.86	460.6
				Single, Clear	E	1.5	8.0	21.0	47.92	0.96	961.8
				Double, Clear	N	1.5	5.0	16.0	19.20	0.92	281.3
				Double, Clear	S	1.5	6.0	28.5	35.87	0.86	875.2
				Double, Clear	N	1.5	5.0	16.0	19.20	0.92	281.3
				Single, Clear	S	9.0	8.0	35.0	40.81	0.50	717.0
				Single, Clear	E	1.5	8.0	35.0	47.92	0.96	1603.0
				Single, Clear	E	3.0	8.0	21.0	47.92	0.81	817.0
				Double, Clear	W	1.5	6.0	15.0	38.52	0.91	527.8
				Double, Clear	S	1.5	6.0	15.0	35.87	0.86	460.6
				Double, Clear	S	1.5	6.0	28.5	35.87	0.86	875.2
				Double, Clear	S	9.0	8.0	70.0	35.87	0.50	1260.4
				Double, Clear	N	6.0	8.0	35.0	19.20	0.76	508.5
				As-Built Total:							351.0
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5			2259.0	1.05		2371.9
Exterior	2259.0	1.70	3840.3								
Base Total: 2259.0 3840.3				As-Built Total:			2259.0		2371.9		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				21.0	6.10		128.1
Exterior	21.0	6.10	128.1								
Base Total: 21.0 128.1				As-Built Total:			21.0		128.1		
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	3206.0	1.73	5546.4	Under Attic	30.0			3206.0	1.73 X 1.00		5546.4
Base Total: 3206.0 5546.4				As-Built Total:			3206.0		5546.4		
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	318.5(p)	-37.0	-11784.5	Slab-On-Grade Edge Insulation	0.0			318.5(p)	-41.20		-13122.2
Raised	0.0	0.00	0.0								
Base Total: -11784.5				As-Built Total:			318.5		-13122.2		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 372 SUNDAY GLEN, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BSPM = Points				Area X SPM = Points					
3206.0 10.21 32733.3				3206.0 10.21 32733.3					
Summer Base Points: 42028.2				Summer As-Built Points: 37287.0					
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points <small>(DM x DSM x AHU)</small>					
42028.2 0.4266 17929.2				37287.0 0.667 (1.090 x 1.147 x 0.91) 0.284 1.000 8402.8 37287.0 0.333 (1.000 x 1.147 x 1.11) 0.284 1.000 4201.4 37287.0 1.00 1.189 0.284 1.000 12604.2					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 372 SUNDAY GLEN, 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	3206.0	12.74	7352.0	Double, Clear	S	1.5	6.0	15.0	13.30	1.12	222.9
				Single, Clear	E	1.5	8.0	21.0	26.41	1.02	565.9
				Double, Clear	N	1.5	5.0	16.0	24.58	1.00	394.7
				Double, Clear	S	1.5	6.0	28.5	13.30	1.12	423.5
				Double, Clear	N	1.5	5.0	16.0	24.58	1.00	394.7
				Single, Clear	S	9.0	8.0	35.0	20.24	2.94	2085.1
				Single, Clear	E	1.5	8.0	35.0	26.41	1.02	943.2
				Single, Clear	E	3.0	8.0	21.0	26.41	1.08	596.8
				Double, Clear	W	1.5	6.0	15.0	20.73	1.02	318.2
				Double, Clear	S	1.5	6.0	15.0	13.30	1.12	222.9
				Double, Clear	S	1.5	6.0	28.5	13.30	1.12	423.5
				Double, Clear	S	9.0	8.0	70.0	13.30	2.94	2739.7
				Double, Clear	N	6.0	8.0	35.0	24.58	1.01	872.9
				As-Built Total:							351.0
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	17.5			2259.0	2.50		5647.5
Exterior	2259.0	3.70	8358.3								
Base Total: 2259.0 8358.3				As-Built Total:			2259.0	5647.5			
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				21.0	12.30		258.3
Exterior	21.0	12.30	258.3								
Base Total: 21.0 258.3				As-Built Total:			21.0	258.3			
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	3206.0	2.05	6572.3	Under Attic	30.0			3206.0	2.05 X 1.00		6572.3
Base Total: 3206.0 6572.3				As-Built Total:			3206.0	6572.3			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	318.5(p)	8.9	2834.6	Slab-On-Grade Edge Insulation	0.0			318.5(p)	18.80		5987.8
Raised	0.0	0.00	0.0								
Base Total: 2834.6				As-Built Total:			318.5	5987.8			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 372 SUNDAY GLEN, LAKE CITY, FL,

PERMIT #:

BASE				AS-BUILT				
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
3206.0 -0.59 -1891.5				3206.0 -0.59 -1891.5				
Winter Base Points: 23484.0				Winter As-Built Points: 26778.7				
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (DM x DSM x AHU)				
23484.0 0.6274 14733.9				26778.7 0.667 (1.069 x 1.169 x 0.93) 0.294 1.000 6345.9				
				26778.7 0.333 (1.000 x 1.169 x 1.10) 0.294 1.000 3173.0				
				26778.7 1.00 1.209 0.294 1.000 9518.9				

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: 372 SUNDAY GLEN, 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
4		2746.00		10984.0	50.0	0.90	4		1.00	2684.98
					As-Built Total:					10739.9

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points
17929		14734		10984		43647	12604		9519
							10740		32863

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 372 SUNDAY GLEN, 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.	

ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5
The higher the score, the more efficient the home.

HADDOX, 372 SUNDAY GLEN, LAKE CITY, FL,

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 4
5. Is this a worst case? No
6. Conditioned floor area (ft²) 3206 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 112.0 ft² 239.0 ft²
b. Default tint, default U-factor 0.0 ft² 0.0 ft²
c. Labeled U-factor or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 318.5(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Exterior R=17.5, 2259.0 ft²
b. N/A
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 3206.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 50.0 ft
b. Sup: Con. Ret: Con. AH: Attic Sup. R=6.0, 30.0 ft
12. Cooling systems
a. Central Unit Cap: 48.0 kBtu/hr SEER: 12.00
b. Central Unit Cap: 24.0 kBtu/hr SEER: 12.00
c. N/A
13. Heating systems
a. PTHP Cap: 48.0 kBtu/hr COP: 3.40
b. PTHP Cap: 24.0 kBtu/hr COP: 3.40
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 (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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™ 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. Energy Gauge® Version: FLRCPB v3.4)



DUCT SYSTEM SUMMARY ZONE 2

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

External Static Pressure:	HEATING 0.10 in H2O	COOLING 0.10 in H2O
Pressure Losses:	0.25 in H2O	0.25 in H2O
Available Static Pressure:	-0.2 in H2O	-0.2 in H2O
Friction Rate:	0.100 in/100ft	0.100 in/100ft
Actual AVF:	1000 cfm	1000 cfm

Total Effective Length (TEL): 100 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
MASTER BEDROOM	4399	3774	281	358	0.100	542	11	0x 0	VIFx	st1
MASTER CLOSET	1111	367	71	35	0.100	362	6	0x 0	VIFx	st1
MASTER BATH	1968	981	126	93	0.100	471	7	0x 0	VIFx	st1
SITTING ROOM	2101	1499	134	142	0.100	407	8	0x 0	VIFx	st1
BATH 2	365	164	23	16	0.100	268	4	0x 0	VIFx	st1A
BEDROOM 2	2029	1287	130	122	0.100	486	7	0x 0	VIFx	st1A
HALL	72	83	5	8	0.100	91	4	0x 0	VIFx	st1A
BEDROOM 3	3589	2388	230	226	0.100	520	9	0x 0	VIFx	st1A

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1000	1000	716	16	0 x 0	VinIFx	st1
st1A	Peak AVF	387	372	587	11	0 x 0	VinIFx	

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	15634	10543	1000	1000	0.100	634	17	0x 0	RtFg	

Bold/italic values have been manually overridden



DUCT SYSTEM SUMMARY ZONE1

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

External Static Pressure:	HEATING 0.10 in H2O	COOLING 0.10 in H2O
Pressure Losses:	0.25 in H2O	0.25 in H2O
Available Static Pressure:	-0.2 in H2O	-0.2 in H2O
Friction Rate:	0.100 in/100ft	0.100 in/100ft
Actual AVF:	2000 cfm	2000 cfm

Total Effective Length (TEL): 140 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
UTILITY ROOM	1591	3294	115	268	0.100	492	10	0x 0	VIFx	st1
1/2 BATH	32	37	2	3	0.100	35	4	0x 0	VIFx	st1
GARAGE	3615	2661	262	217	0.100	481	10	0x 0	VIFx	st1
GARAGE-A	3615	2661	262	217	0.100	481	10	0x 0	VIFx	st1
HALL 1	1917	2128	139	173	0.100	496	8	0x 0	VIFx	st1
KITCHEN	873	3086	63	251	0.100	569	9	0x 0	VIFx	st1
BATH 3	127	147	9	12	0.100	137	4	0x 0	VIFx	st1
BEDROOM 4	3668	3399	266	277	0.100	508	10	0x 0	VIFx	st1
BED 4 CLOSET	713	236	52	19	0.100	379	5	0x 0	VIFx	st1A
DEN/HALL	2269	1634	165	133	0.100	472	8	0x 0	VIFx	st1A
GREAT ROOM	4571	2639	332	215	0.100	608	10	0x 0	VIFx	st1B
GREAT ROOM-A	4571	2639	332	215	0.100	608	10	0x 0	VIFx	st1A

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	2000	2000	832	21	0 x 0	VinIFlx	st1
st1A	Peak AVF	880	582	717	15	0 x 0	VinIFlx	st1A
st1B	Peak AVF	332	215	608	10	0 x 0	VinIFlx	st1A

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	27561	24562	2000	2000	0.100	693	23	0x 0	RtFg	



RIGHT-J BUILDING ANALYSIS REPORT

Entire House

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

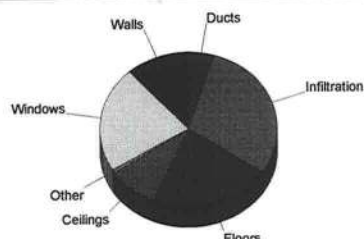
For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92		Average
Inside db (°F)	70	75		0
Design TD (°F)	37	17		
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

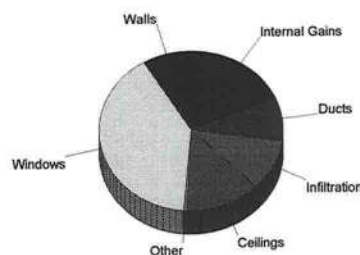
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.2	5015	11.6
Windows	27.0	9488	22.0
Doors	17.0	357	0.8
Ceilings	1.2	3914	9.1
Floors	30.0	9545	22.1
Infiltration	34.5	12819	29.7
Ducts		2057	4.8
Total		43196	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	2792	8.5
Windows	37.6	13205	40.2
Doors	9.5	199	0.6
Ceilings	1.4	4338	13.2
Floors	0.0	0	0.0
Infiltration	9.0	3366	10.2
Ducts		2990	9.1
Internal gains		6000	18.2
Total		32890	100.0



Cooling at 82 % SHR = 3.3 ton

Cooling at 70 % SHR = 3.8 ton

Overall U-Value = 0.124 Btuh/ft²-°F

Cooling air flow = 353 cfm/ton

Cooling at 400 cfm/ton = 2.9 ton

Data entries checked.



RIGHT-J BUILDING ANALYSIS REPORT ZONE 2

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

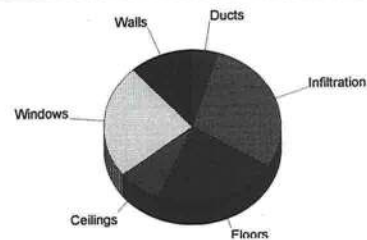
For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92		Average
Inside db (°F)	70	75		0
Design TD (°F)	37	17		
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

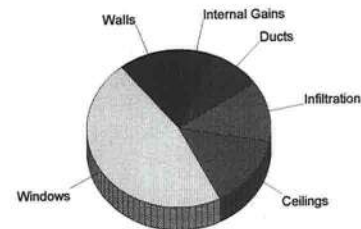
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.2	1804	11.5
Windows	28.5	3753	24.0
Doors	0.0	0	0.0
Ceilings	1.2	1266	8.1
Floors	30.0	3536	22.6
Infiltration	34.5	4531	29.0
Ducts		744	4.8
Total		15634	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	1004	9.5
Windows	33.6	4423	42.0
Doors	0.0	0	0.0
Ceilings	1.4	1402	13.3
Floors	0.0	0	0.0
Infiltration	9.0	1190	11.3
Ducts		862	8.2
Internal gains		600	5.7
Total		9481	89.9



Cooling at 80 % SHR = 1.1 ton

Cooling at 70 % SHR = 1.2 ton

Overall U-Value = 0.133 Btuh/ft²-°F

Cooling air flow = 929 cfm/ton

Cooling at 400 cfm/ton = 2.5 ton

Data entries checked.



RIGHT-J BUILDING ANALYSIS REPORT ZONE1

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

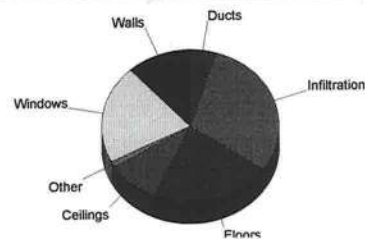
For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92		Average
Inside db (°F)	70	75		0
Design TD (°F)	37	17		
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		
			Method	
			Construction quality	
			Fireplaces	

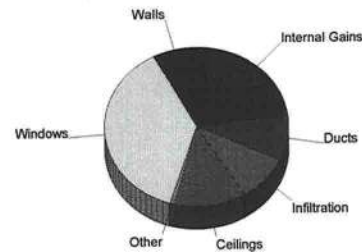
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.2	3211	11.7
Windows	26.1	5735	20.8
Doors	17.0	357	1.3
Ceilings	1.2	2649	9.6
Floors	30.0	6009	21.8
Infiltration	34.5	8288	30.1
Ducts		1312	4.8
Total		27562	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.2	1788	7.3
Windows	40.0	8783	35.8
Doors	9.5	199	0.8
Ceilings	1.4	2935	11.9
Floors	0.0	0	0.0
Infiltration	9.0	2176	8.9
Ducts		2128	8.7
Internal gains		5400	22.0
Total		23408	95.3



Cooling at 84 % SHR = 2.4 ton

Cooling at 70 % SHR = 2.8 ton

Overall U-Value = 0.120 Btuh/ft²-°F

Cooling air flow = 846 cfm/ton

Cooling at 400 cfm/ton = 5.0 ton

Data entries checked.



RIGHT-J LOAD AND EQUIPMENT SUMMARY

Entire House

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Building heat loss	43196 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	43196 Btuh

Sensible Cooling Equipment Load Sizing

Structure	32890 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	31903 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Internal gains	920 Btuh
Ventilation	0 Btuh
Infiltration	6309 Btuh
Total latent equip. load	7229 Btuh

	Heating	Cooling
Area (ft²)	3206	3206
Volume (ft³)	26943	26943
Air changes/hour	0.7	0.4
Equiv. AVF (cfm)	315	180

Total equipment load	39132 Btuh
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Heating Equipment Summary

Make	n/a
Trade	n/a
n/a	
Efficiency	n/a
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	0 cfm
Heating air flow factor	0.000 cfm/Btuh
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
n/a	
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual cooling fan	0 cfm
Cooling air flow factor	0.000 cfm/Btuh
Load sensible heat ratio	0 %

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J LOAD AND EQUIPMENT SUMMARY ZONE 2

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Heating Summary

Building heat loss	15634 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	15634 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft ²)	1037	1037
Volume (ft ³)	8292	8292
Air changes/hour	0.8	0.5
Equiv. AVF (cfm)	111	64

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-024JA

Efficiency	3.4 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	1000 cfm
Heating air flow factor	0.064 cfm/Btuh

Space thermostat

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Sensible Cooling Equipment Load Sizing

Structure	10543 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	10226 Btuh

Latent Cooling Equipment Load Sizing

Internal gains	460 Btuh
Ventilation	0 Btuh
Infiltration	2230 Btuh
Total latent equip. load	2690 Btuh

Total equipment load 12917 Btuh

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-024JA
RCHJ-24A2

Efficiency	12.0 SEER
Sensible cooling	15820 Btuh
Latent cooling	6780 Btuh
Total cooling	22600 Btuh
Actual cooling fan	1000 cfm
Cooling air flow factor	0.095 cfm/Btuh

Load sensible heat ratio 80 %

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J LOAD AND EQUIPMENT SUMMARY ZONE1

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Building heat loss	27562 Btuh
Ventilation air	0 cfm
Ventilation air loss	0 Btuh
Design heat load	27562 Btuh

Sensible Cooling Equipment Load Sizing

Structure	24563 Btuh
Ventilation	0 Btuh
Design temperature swing	3.0 °F
Use mfg. data	n
Rate/swing multiplier	0.97
Total sens. equip. load	23826 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2169	2169
Volume (ft³)	18651	18651
Air changes/hour	0.7	0.4
Equiv. AVF (cfm)	204	116

Latent Cooling Equipment Load Sizing

Internal gains	460 Btuh
Ventilation	0 Btuh
Infiltration	4079 Btuh
Total latent equip. load	4539 Btuh
Total equipment load	28365 Btuh

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-048JA

Efficiency	3.4 HSPF
Heating input	0 Btuh
Heating output	0 Btuh
Heating temp rise	0 °F
Actual heating fan	2000 cfm
Heating air flow factor	0.073 cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-048JA
RCHJ-51A1

Efficiency	12.0 SEER
Sensible cooling	32200 Btuh
Latent cooling	13800 Btuh
Total cooling	46000 Btuh
Actual cooling fan	2000 cfm
Cooling air flow factor	0.081 cfm/Btuh

Load sensible heat ratio 84 %

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J SHORT FORM Entire House

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make n/a
Trade n/a
n/a
Efficiency n/a
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 0 cfm
Heating air flow factor 0.000 cfm/Btuh
Space thermostat n/a

COOLING EQUIPMENT

Make n/a
Trade n/a
n/a
Efficiency n/a
Sensible cooling 0 Btuh
Latent cooling 0 Btuh
Total cooling 0 Btuh
Actual cooling fan 0 cfm
Cooling air flow factor 0.000 cfm/Btuh
Load sensible heat ratio 0 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
ZONE 2 n p	1037	15634	10543	1000	1000
ZONE1 n p	2169	27562	24563	2000	2000
Entire House d	3206	43196	32890	3000	3000
Ventilation air		0	0		
Equip. @ 0.97 RSM			31903		
Latent cooling			7229		
TOTALS	3206	43196	39132	3000	3000

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J SHORT FORM ZONE 2

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-024JA

Efficiency 3.4 HSPF
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 1000 cfm
Heating air flow factor 0.064 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-024JA
RCHJ-24A2

Efficiency 12.0 SEER
Sensible cooling 15820 Btuh
Latent cooling 6780 Btuh
Total cooling 22600 Btuh
Actual cooling fan 1000 cfm
Cooling air flow factor 0.095 cfm/Btuh

Load sensible heat ratio 80 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
MASTER BEDROOM	225	4399	3774	281	358
MASTER CLOSET	104	1111	367	71	35
MASTER BATH	192	1968	981	126	93
SITTING ROOM	68	2101	1499	134	142
BATH 2	70	365	164	23	16
BEDROOM 2	161	2029	1287	130	122
HALL	56	72	83	5	8
BEDROOM 3	161	3589	2388	230	226
ZONE 2 n p	1037	15634	10543	1000	1000
Ventilation air		0	0		
Equip. @ 0.97 RSM			10226		
Latent cooling			2690		
TOTALS	1037	15634	12917	1000	1000

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.



RIGHT-J SHORT FORM ZONE1

LARRY RESMONDO A/C

Job: HADDOX BISHOP ROAD
5/26/05

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	52		

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-048JA

Efficiency 3.4 HSPF
Heating input 0 Btuh
Heating output 0 Btuh
Heating temperature rise 0 °F
Actual heating fan 2000 cfm
Heating air flow factor 0.073 cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-048JA
RCHJ-51A1

Efficiency 12.0 SEER
Sensible cooling 32200 Btuh
Latent cooling 13800 Btuh
Total cooling 46000 Btuh
Actual cooling fan 2000 cfm
Cooling air flow factor 0.081 cfm/Btuh

Load sensible heat ratio 84 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
UTILITY ROOM	120	1591	3294	115	268
1/2 BATH	25	32	37	2	3
GARAGE	616	7230	5322	525	433
HALL 1	37	1917	2128	139	173
KITCHEN	212	873	3086	63	251
BATH 3	99	127	147	9	12
BEDROOM 4	225	3668	3399	266	277
BED 4 CLOSET	68	713	236	52	19
DEN/HALL	120	2269	1634	165	133
GREAT ROOM	648	9143	5279	663	430

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ZONE1	n p	2169	27562	24563	2000	2000
Ventilation air			0	0		
Equip. @ 0.97 RSM				23826		
Latent cooling				4539		
TOTALS		2169	27562	28365	2000	2000

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per # 23278
755-2411

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4871

06 July 05

Building Inspector, Columbia Co., Florida

Re: Foundation Inspection, Haddox Residence, 372 Sunday Glen Lake City, Florida 32056 Columbia Co.

Dear Building Inspector:

This letter is in reference to a foundation inspection issue for Haddox Residence, 372 Sunday Glen Lake City, Florida 32056 Columbia Co., Windload Engineering Job No. MD505062.

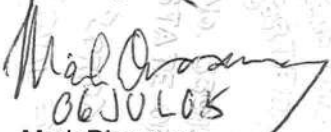
The "Windload Engineering", Job No. 505062, sheet S-1 specifies a reinforced 8" CMU stem wall foundation with #5 vertical at 8"OC and height maximum 5 courses. The footing steps down on part of the house and the stem wall is higher than 5 courses.

Please accept this letter as addendum to the plans to allow a reinforced 8" CMU stem wall foundation with reinforcement schedule per the attached table. The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the reinforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 1#5 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

- Note: Chuck Wood Stated the highest point in the stem wall is 6 courses or 4' which requires 1#5 at 96"OC so therefore the stem wall is OK if built according to plan.

Important: The slab braces the top of the stem wall against outward pressure of backfill. The wall should be temporarily braced as the backfill is compacted.

Sincerely,



Mark Disosway
Florida Professional Engineer No. 53915

cc Woodman Park, Contractor

Stemwall Height (Feet)	Unbalanced Backfill Height	Vertical Reinforcement For 8" CMU Stemwall (Inches OC)			Vertical Reinforcement For 12" CMU Stemwall (Inches OC)		
		#5	#7	#8	#5	#7	#8
3.3	3.0	96	96	96	96	96	96
4.0	3.7	96	96	96	96	96	96
4.7	4.3	88	96	96	96	96	96
5.3	5.0	56	96	96	96	96	96
6.0	5.7	40	80	96	80	96	96
6.7	6.3	32	56	80	56	96	96
7.3	7.0	24	40	56	40	80	96
8.0	7.7	16	32	48	32	64	80
8.7	8.3	8	24	32	24	48	64
9.3	9.0	8	16	24	16	40	48

COLUMBIA COUNTY, FLORIDA OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 34-4S-16-03271-003

Building permit No. 000023278

Use Classification SFD & UTILITY

Fire: 66.08

Permit Holder WILLIAM G. WOOD

Waste: 98.00

Owner of Building MARK HADDOX

Total: 164.08

Location: 372 SW SUNDAY GLEN, LAKE CITY, FL

Date: 02/21/2006



[Signature]
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)