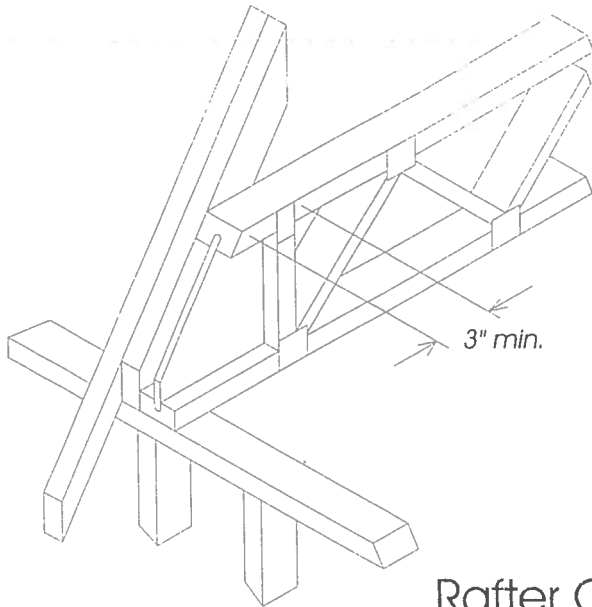
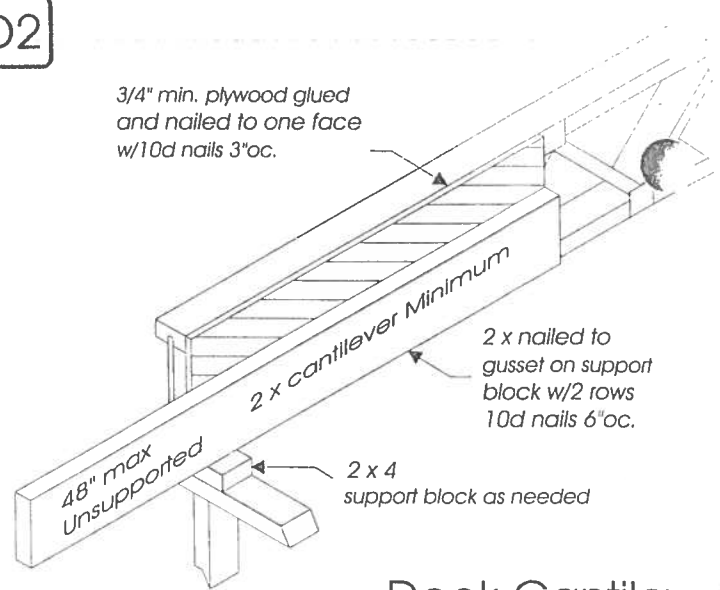


D1



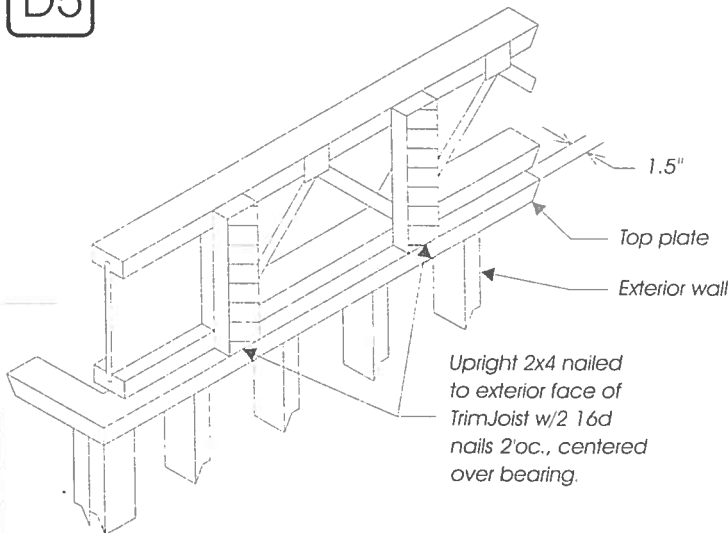
Rafter Cut

D2



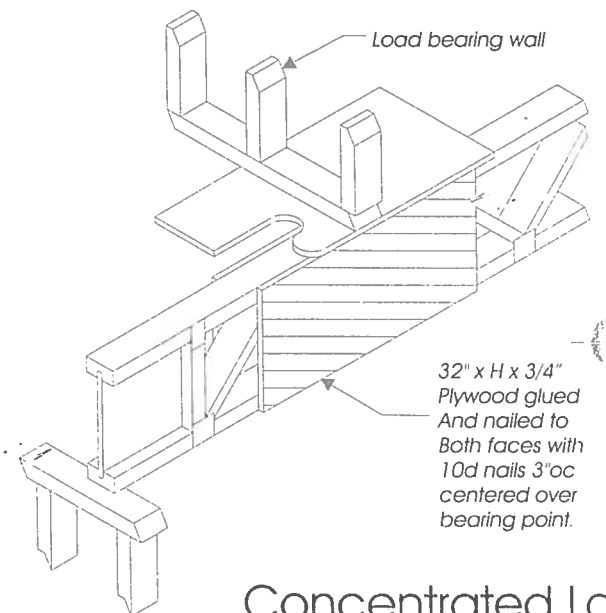
Deck Cantilever

D5



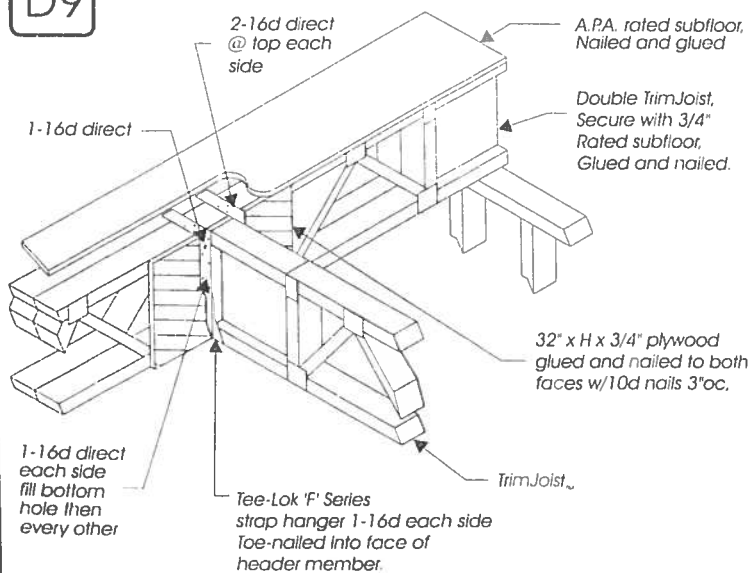
Exterior Knee Wall

D6



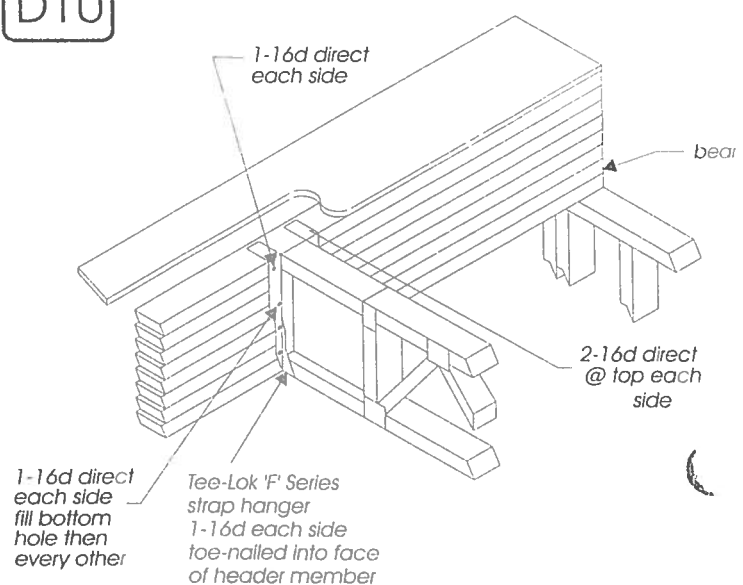
Concentrated Load

D9



Joist Hangered

D10



Beam Hangered



## Cal-Tech Testing, Inc.

• Engineering  
• Geotechnical  
• Environmental  
Laboratories

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

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

2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

\* Permit# 25068

### REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 06-572

DATE TESTED: 10/3/06

DATE REPORTED: 11/10/06

PROJECT:	Bicknell Residence, Oak Haven, Lot #12, Lake City, FL
CLIENT:	Stanley Crawford Const., Inc., 853 SW Sisters Welcome Rd., Lake City, FL 32025
GENERAL CONTRACTOR:	Stanley Crawford Const., Inc.
EARTHWORK CONTRACTOR:	Stanley Crawford Const., Inc.
INSPECTOR:	John Osteen

ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL
SPECIFICATION REQUIREMENTS: 95%	

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft <sup>3</sup> )	MOISTURE PERCENT	DRY DENSITY (lb/ft <sup>3</sup> )	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1	Center of Pad	0-12"	116.5	7.0	108.9	PIT	107.0	101.8%
2	NW Corner 10' Off North Side 10' Off West	0-12"	115.7	7.3	107.8	PIT	107.0	100.8%
3	SE Corner 15' Off South Side 15' Off East	0-12"	115.9	7.7	107.6	PIT	107.0	100.6%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft <sup>3</sup> )	OPT. MOIST.	TYPE
PIT	Register Pit	107.0	11.2	MODIFIED (ASTM D-1557)

Respectfully Submitted,  
CAL-TECH TESTING, INC.

*Linda M. Creamer, CEO*

Linda M. Creamer  
President - CEO

sw

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

Reviewed By:

*Robert W. Clark*

Date: 11/10/06

Florida Registration No: 52210

# Columbia County Building Department Culvert Permit

**Culvert Permit No.**  
**000001222**

DATE 10/03/2006 PARCEL ID # 12-3S-15-00167-027  
APPLICANT MARY ANN CRAWFORD PHONE 752-5152  
ADDRESS 853 SW SISTERS WELCOME RD LAKE CITY FL 32024  
OWNER RICK BICKNELL PHONE 752-5152  
ADDRESS 677 NW INDIAN SPRINGS DR LAKE CITY FL 32055  
CONTRACTOR STANLEY CRAWFORD PHONE 752-5152  
LOCATION OF PROPERTY 90 W, R LAKE JEFFEREY, L INDIAN SPRINGS DR, 4TH LOT  
ON LEFT AFTER LIVE OAK PLACE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT OAK HAVEN 12 B

SIGNATURE *MA Crawford*

## 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

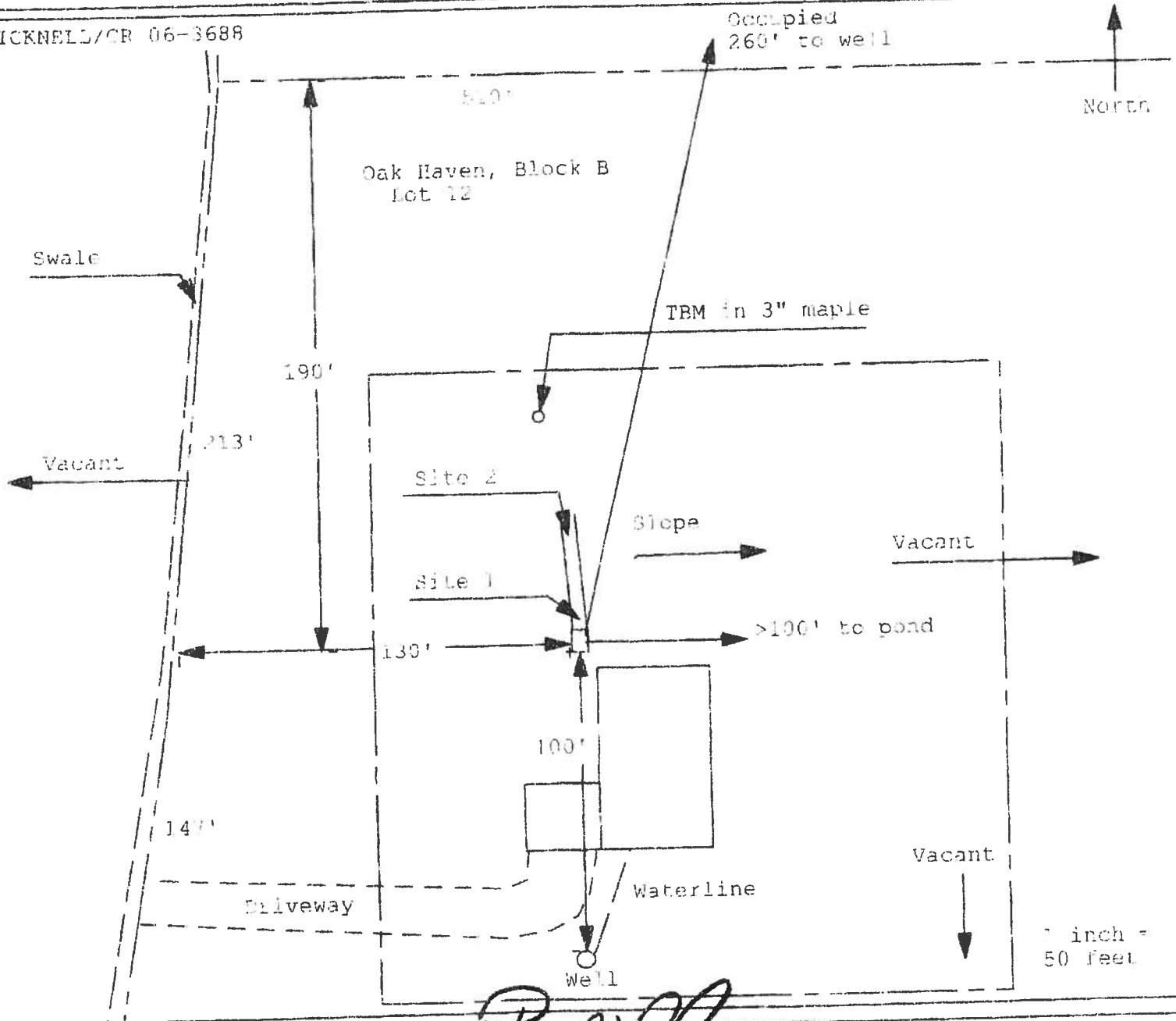
**Amount Paid** 25.00



Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 06-0854N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BICKNELL/CR 06-3688



Site Plan Submitted By Paul L. [Signature]

Date 9/11/06

Plan Approved ☒

Not Approved ☐

Date 9/26/06

By mm [Signature]

Columbia CPHU

Notes: \_\_\_\_\_

Prepared by:  
Robert Cabral Jr  
Provident Title & Mortgage, Inc.  
444 SW Alachua Avenue  
Lake City, Florida 32025

File Number: 06-495

Inst:2006020853 Date:09/01/2006 Time:13:16

Doc Stamp-Deed : 630.00

L. J. DC, P. DeWitt Cason, Columbia County B:1094 P:1955

### General Warranty Deed

Made this August 30, 2006 A.D. By Lewis Culbreath, Managing member of Kingdom First Investments LP and Pamela Culbreath, Managing member of Kingdom First Investments LP, husband and wife, whose address is: 1931 SE 52nd Street, Ocala FL 34480, hereinafter called the grantor, to Richard Bicknell, an unmarried man, whose post office address is: 232 Lake Valley Terrace, Lake City FL 32055, hereinafter called the grantee:

(Whenever used herein the term "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)

**Witnesseth**, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

Lot 12, Block B, OAKHAVEN, a subdivision according to the plat thereof as recorded in Plat Book 5, Pages 54 - 54A of the Public Records of Columbia County, Florida.

Parcel ID Number: 12-3S-15-00167-027

**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** the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2005.

**In Witness Whereof**, the said grantor has signed and sealed these presents the day and year first above written.

*Signed, sealed and delivered in our presence:*

LeeAnna Williams  
Witness Printed Name LeeAnna Williams

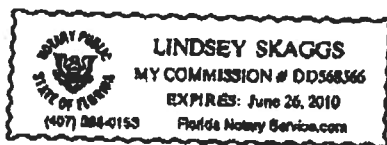
Sharon Haraizin  
Witness Printed Name Sharon Haraizin

Lewis Culbreath (Seal)  
Lewis Culbreath, Managing member of Kingdom First Investments LP  
Address: 1931 SE 52nd Street, Ocala FL 34480

Pamela Culbreath (Seal)  
Pamela Culbreath, Managing member of Kingdom First Investments LP  
Address: 1931 SE 52nd Street, Ocala FL 34480

State of Florida  
County of Columbia

The foregoing instrument was acknowledged before me this 30th day of August, 2006, by Lewis Culbreath, Managing member of Kingdom First Investments LP and Pamela Culbreath, Managing member of Kingdom First Investments LP, husband and wife, who is/are personally known to me or who has produced \_\_\_\_\_ as identification.



Notary Public: \_\_\_\_\_

Print Name: \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

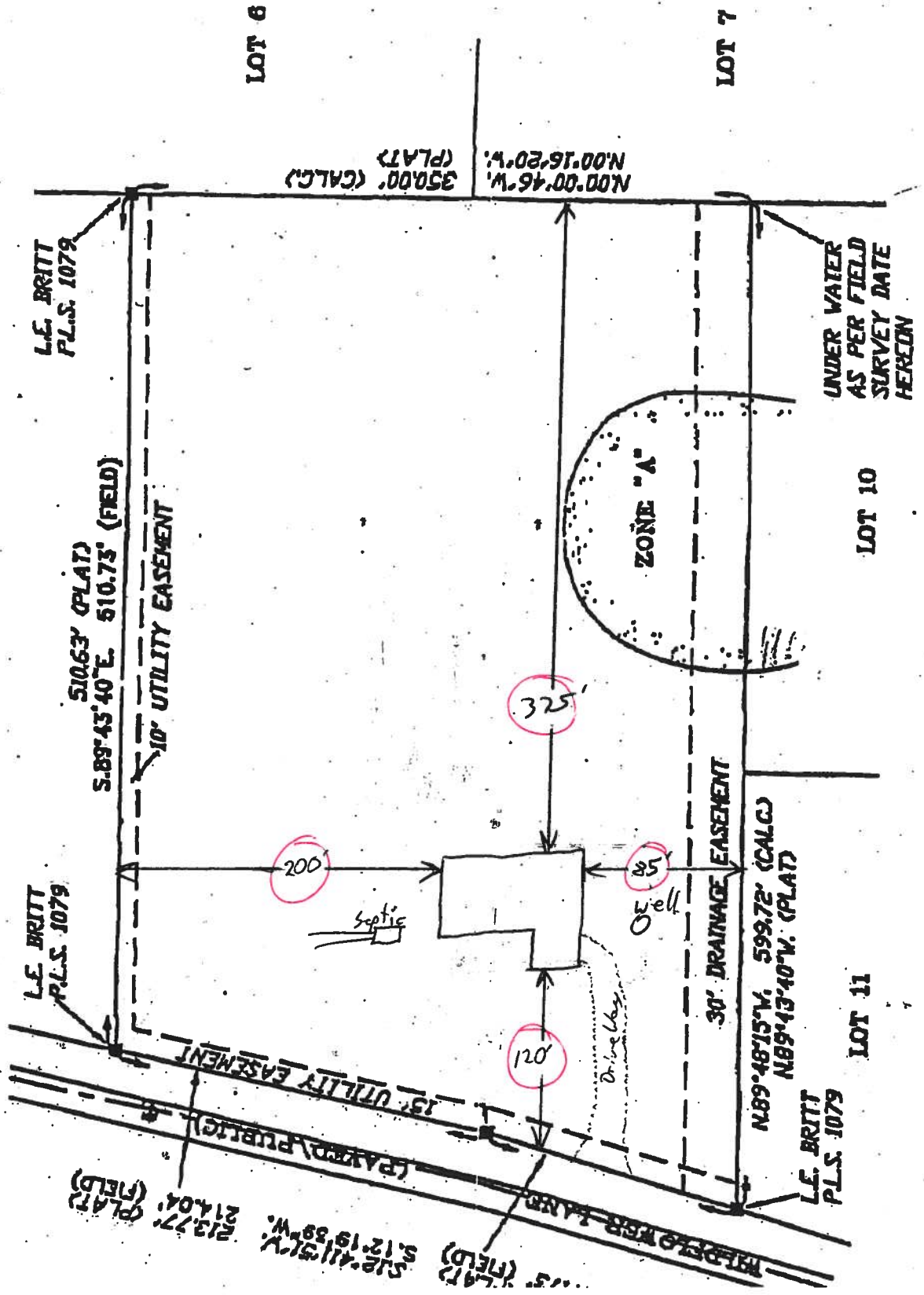
DEED Individual Warranty Deed - Legal on Face  
Closers' Choice

DATE OF FIELD SURVEY AS SHOWN HEREIN.  
 5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR  
 THIS SURVEY EXCEPT AS SHOWN HEREIN.  
 6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE  
 POLICY.

N  
 SCALE: 1" =

DESCRIPTION:  
 LOT 12 IN BLOCK 7  
 PLAT BOOK 5, PAGE  
 COUNTY, FLORIDA.

Bicknell



MEMBER OF  
The  
North Central  
Florida Water  
Well

**Clyatt Well Drilling, Inc.**  
(Established in 1971)  
POST OFFICE BOX 180  
WORTHINGTON SPRINGS, FLORIDA 32697

K. Melaine  
"Red" Clyatt

Telephone Number (386)496-2488  
FAX Number (386)496-4640

June 18, 2002

Columbia County Building Department  
Post Office Box 1529  
Lake City, Florida 32056

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

Size of Pump Motor:	1-1/2 Horse Power
Size of Pressure Tank:	220 Gallon Equivalent
Cycle Stop Valve Used:	No

Should you require any additional information, please do not hesitate to contact us.

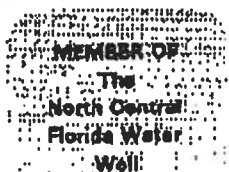
Respectfully,

**CLYATT WELL DRILLING, INC.**



K. Melaine "Red" Clyatt  
President





**Clyatt Well Drilling, Inc.**  
(Established in 1971)  
POST OFFICE BOX 180  
WORTHINGTON SPRINGS, FLORIDA 32697



Telephone Number (386)496-2488  
FAX Number (386)496-4640

---

**PUMP AND TANK SPECIFICATIONS FOR  
STANDARD 4" RESIDENTIAL WELLS**

**PUMPS**

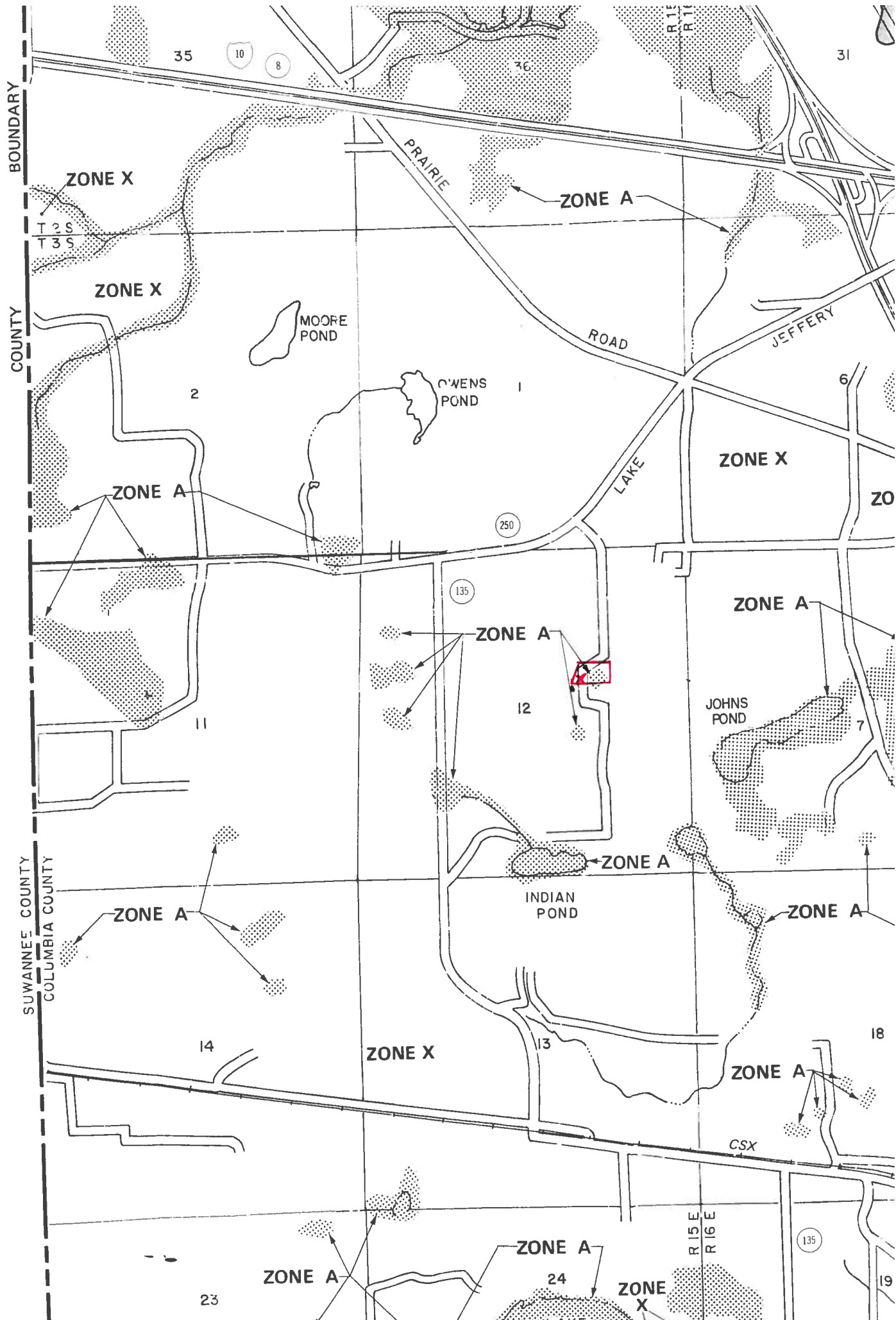
1 Horse Power Submersible Pump  
20 Gallons Per Minute  
Voltage: 240  
Phase: (Single) 1

1.5 Horse Power Submersible Pump  
25 Gallons Per Minute  
Voltage: 240  
Phase: (Single) 1

**TANK**

WF-255 Captive Air Tank  
Capacity 81 Gallons  
Equivalent 220 Gallons  
Draw Down 25 Gallons

0609-68



## Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 13454 Ave  
City: LAKE CITY Phone: 752 1703

Site Location: Subdivision Duckhaver  
Lot # 12 Block # B Permit # 25068  
Address 677 NW Tindan Springs

Product used	Active Ingredient	% Concentration
<input type="checkbox"/> Premise	Imidacloprid	0.1%
<input type="checkbox"/> Termidor	Fipronil	0.12%
<input checked="" type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment:

☐ Soil

☒ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>Dwelling</u>	<u>4314</u>	<u>742</u>	<u>5</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line \_\_\_\_\_.

12/18/06 0930 F554 GUNN  
Date Time Print Technician's Name

Remarks: \_\_\_\_\_

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

FORM 600A-2004

EnergyGauge® 4.0

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

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

Builder: **STAN. CRAWFORD**  
Permitting Office: *Columbia*  
Permit Number: *25068*  
Jurisdiction Number: *24000*

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. Central Unit	Cap: 24.0 kBtu/hr SEER: 13.00
4. Number of Bedrooms	4	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft²)	3199 ft²	a. Electric Heat Pump	Cap: 37.0 kBtu/hr HSPF: 7.40
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		b. Electric Heat Pump	Cap: 25.0 kBtu/hr HSPF: 7.40
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a. (Dble Default) 502.0 ft²		14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 50.0 gallons EF: 0.92
(or Clear or Tint DEFAULT) 7b. (Clear) 502.0 ft²		b. Electric Resistance	Cap: 50.0 gallons EF: 0.92
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R-0.0, 246.0(p) ft²	(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
9. Wall types			
a. Frame, Wood, Exterior	R-19.0, 2260.0 ft²		
b. Frame, Wood, Adjacent	R-13.0, 210.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R-30.0, 2279.0 ft²		
b. Under Attic	R-19.0, 244.0 ft²		
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R-6.0, 288.0 ft		
b. Sup: Unc. Ret: Unc. AH: Attic	Sup. R-6.0, 144.0 ft		

Glass/Floor Area: 0.16

Total as-built points: 42425

Total base points: 42861

## PASS

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

PREPARED BY: *Stan Crawford*DATE: *9/11/06*

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: \_\_\_\_\_



<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 28-4.

FORM 600A-2004

EnergyGauge® 4.0

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points						
.18	3199.0	29.04	11639.4	Double, Clear	W	2.0	6.0	199.0	38.52	0.85	6511.7		
				Double, Clear	N	2.0	6.0	80.0	19.20	0.90	1382.5		
				Double, Clear	E	2.0	6.0	146.0	42.08	0.85	5279.3		
				Double, Clear	S	2.0	6.0	75.0	35.87	0.78	2087.5		
				As-Built Total:				502.0		16261.1			
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points						
Adjacent	210.0	0.70	147.0	Frame, Wood, Exterior	19.0		2260.0	0.90	2034.0				
Exterior	2260.0	1.70	3842.0	Frame, Wood, Adjacent	13.0		210.0	0.60	126.0				
Base Total:				2470.0		3989.0		As-Built Total:				2470.0	2160.0
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points								
Adjacent	18.0	2.40	43.2	Exterior Insulated	36.0 4.10 147.6								
Exterior	36.0	6.10	219.6	Adjacent Insulated	18.0 1.60 28.8								
Base Total:				54.0		262.8		As-Built Total:				54.0	176.4
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points						
Under Attic	2279.0	1.73	3942.7	Under Attic	30.0		2279.0	1.73 X 1.00	3942.7				
				Under Attic	19.0		244.0	2.34 X 1.00	571.0				
Base Total:				2279.0		3942.7		As-Built Total:				2623.0	4513.6
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points						
Slab	246.0(p)	-37.0	-9102.0	Slab-On-Grade Edge Insulation	0.0		246.0(p)	-41.20	-10135.2				
Raised	0.0	0.00	0.0										
Base Total:						-9102.0		As-Built Total:				246.0	-10135.2
INFILTRATION Area X BSPM = Points				Area X SPM = Points									
3199.0 10.21 32661.8				3199.0 10.21 32661.8									

FORM 600A-2004

EnergyGauge® 4.0

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
<b>Summer Base Points: 43293.7</b>				<b>Summer As-Built Points: 44637.7</b>						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Cooling Points
				(sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Uno(S),Uno(R),Alt(AH),R6.0(INS) 44638      0.60    (1.09 x 1.147 x 1.11)    0.263      1.000      9758.0 (sys 2: Central Unit 24000 btuh ,SEER/EFF(13.0) Ducts:Uno(S),Uno(R),Alt(AH),R6.0(INS) 44638      0.40    (1.09 x 1.147 x 1.11)    0.263      1.000      6506.3						
<b>43293.7</b>	<b>0.4266</b>		<b>18469.1</b>	<b>44637.7</b>	<b>1.00</b>	<b>1.388</b>	<b>0.263</b>	<b>1.000</b>		<b>16263.3</b>

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt			Area X WPM X WOF = Point			
.18	3199.0	12.74	7336.9	Double, Clear	W	2.0	6.0	199.0	20.73	1.04	4301.1
				Double, Clear	N	2.0	6.0	80.0	24.58	1.00	1975.4
				Double, Clear	E	2.0	6.0	148.0	18.79	1.08	2949.8
				Double, Clear	S	2.0	6.0	75.0	13.30	1.28	1255.1
				As-Built Total:			592.0			10491.4	
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	210.0	3.60	756.0	Frame, Wood, Exterior	19.0			2280.0	2.20	4972.0	
Exterior	2280.0	3.70	8362.0	Frame, Wood, Adjacent	13.0			210.0	3.30	693.0	
Base Total:				As-Built Total:			2470.0			5665.0	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	18.0	11.50	207.0	Exterior Insulated				36.0	8.40	302.4	
Exterior	36.0	12.30	442.8	Adjacent Insulated				18.0	8.00	144.0	
Base Total:				As-Built Total:			54.0			446.4	
CEILING TYPESArea X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	2279.0	2.05	4671.9	Under Attic	30.0			2279.0	2.05 X 1.00	4671.9	
				Under Attic	19.0			244.0	2.70 X 1.00	658.8	
Base Total:				As-Built Total:			2523.0			5330.7	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	246.0(p)	8.9	2189.4	Slab-On-Grade Edge Insulation	0.0			246.0(p)	18.80	4624.8	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:			246.0			4624.8	
INFILTRATION Area X BWPM = Points							Area X WPM = Points				
3199.0 -0.59 -1867.4							3199.0 -0.59 -1867.4				

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 22077.7			Winter As-Built Points: 24661.0						
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
			(sys 1: Electric Heat Pump 37000 btuh, EFF(7.4) Ducts:Unc(S),Unc(R),Att(AH),R6.0 24661.0 0.507 (1.069 x 1.169 x 1.10) 0.461 1.000 9322.4 (sys 2: Electric Heat Pump 25000 btuh, EFF(7.4) Ducts:Unc(S),Unc(R),Att(AH),R6.0 24661.0 0.403 (1.069 x 1.169 x 1.10) 0.461 1.000 6298.9						
22077.7	0.6274	13851.5	24661.0	1.00	1.375	0.461	1.000	15621.3	



# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank X	Credit = Total
Number of		Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						
4		2635.00	10540.0	50.0	0.92	4		0.50	2635.00
				50.0	0.92	4		0.50	2635.00
				As-Built Total:					10540.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling	+	Heating	+	Cooling	+	Heating	+
Points		Points		Points		Points	
Hot Water	=	Total		Hot Water	=	Total	
Points	Points	Points	Points	Points	Points	Points	Points
18469		13852		16263		15821	
		10540				10540	
		42861				42425	

PASS



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

**6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq. ft. window area; .5 cfm/sq. ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall, foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joist 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 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 82.9**

The higher the score, the more efficient the home.

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	___	b. Central Unit	Cap: 24.0 kBtu/hr SEER: 13.00
4. Number of Bedrooms	4	___	c. N/A	___
5. Is this a worst case?	Yes	___	13. Heating systems	
6. Conditioned floor area (ft <sup>2</sup> )	3199 ft <sup>2</sup>	___	a. Electric Heat Pump	Cap: 37.0 kBtu/hr HSPF: 7.40
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		___	b. Electric Heat Pump	Cap: 25.0 kBtu/hr HSPF: 7.40
a. U-factor:	Description Area	___	c. N/A	___
(or Single or Double DEFAULT) 7a. (Dble Default)	502.0 ft <sup>2</sup>	___	14. Hot water systems	
b. SHGC:		___	a. Electric Resistance	Cap: 50.0 gallons EF: 0.92
(or Clear or Tint DEFAULT) 7b. (Clear)	502.0 ft <sup>2</sup>	___	b. Electric Resistance	Cap: 50.0 gallons EF: 0.92
8. Floor types		___	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	___
a. Slab-On-Grade Edge Insulation	R=0.0, 246.0(p) ft <sup>2</sup>	___	15. HVAC credits	___
b. N/A		___	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	___
c. N/A		___		___
9. Wall types		___		___
a. Frame, Wood, Exterior	R=19.0, 2260.0 ft <sup>2</sup>	___		___
b. Frame, Wood, Adjacent	R=13.0, 210.0 ft <sup>2</sup>	___		___
c. N/A		___		___
d. N/A		___		___
e. N/A		___		___
10. Ceiling types		___		___
a. Under Attic	R=30.0, 2279.0 ft <sup>2</sup>	___		___
b. Under Attic	R=19.0, 244.0 ft <sup>2</sup>	___		___
c. N/A		___		___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 288.0 ft <sup>2</sup>	___		___
b. Sup: Unc. Ret: Tnc. AH: Attic	Sup. R=6.0, 144.0 ft <sup>2</sup>	___		___

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: \_\_\_\_\_

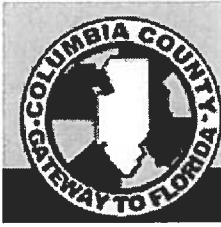
Address of New Home: \_\_\_\_\_

City/FL Zip: \_\_\_\_\_



\*NOTE: The home's estimated energy performance score is only available through the FIA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar<sup>TM</sup> designation), your home may qualify for energy efficiency mortgage (EFM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at [www.fsec.ucf.edu](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge<sup>®</sup> (Version: FLRCSB v4.0)



From: The Columbia County Building & Zoning Department  
Plan Review  
135 NE Hernando Av.  
P.O. Box 1529  
Lake City Florida 32056-1529

**On Hold for 2004 Engineering Plans**

Reference to a building permit application Number: **0609-68**

Stanley Crawford Construction Owner Rick Bicknell Property ID# 12-3s-15-00167-027

On the date of September 27, 2006 application 0609-68 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0609-68 and when making reference to this application.**

**This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.**

1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.

2. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be performed by the Columbia County Building Department.
3. Please make application for a 911 address for parcel number 12-3s-00167-027 lot 12 Block B of Oak Haven
4. Subdivision by contacting the Emergency Management - 911 addressing Mr. Ronnie McCardel @ (386) 758-1125.
5. Please verify that one egress windows within each of the bedrooms on the second floor will comply with the FBC-2004 Section R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m<sup>2</sup>). R310.1.2 Minimum opening height: The minimum net clear opening height shall be 24 inches (610 mm); R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).
6. In the garage please provide the required materials to comply with sections R309 of the Florida Residential Building Code 2004
  - A. R309.1 Opening protection: Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors.

B. Sections R309.2 Separation required: The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent.

**7.**

Thank You:

Joe Haltiwanger  
Plan Examiner  
Columbia County Building  
Department

Inst: 2006023358 Date: 09/29/2006 Time: 14:08

DC, P. DeWitt Casan, Columbia County B: 1097 P: 1020

**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 12  
TBD Indian Springs Drive Oklawaha  
Lake City, FL 32055 SEE EXHIBIT 'A'

2. General Description of Improvements: Residential Construction

3. Name and Address of Owner: Richard R. Bicknell  
P.O. Box 3118  
Lake City, FL 32055

Interest in Property: Fee Simple

Name and Address of Fee Simple Titleholder (if other than owner): N/A

4. Name and Address of Contractor: Stanley Crawford Construction, Inc.  
886 SW Miller's Welcome Road  
Lake City, FL 32025

5. Name and Address of Surety on payment bond, if any, and amount of such bond: N/A  
Amount of Bond: \$0

6. Name and Address of Lender:  
MERCANTILE BANK  
425 22nd Avenue North  
St. Petersburg, FL 33704  
Attention: Sara Lopez

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)(b), Florida Statutes:

MERCANTILE BANK  
425 22nd Avenue North  
St. Petersburg, FL 33704

Attention: Sara Lopez

8. In addition to himself, Owner designates \_\_\_\_\_ of \_\_\_\_\_ to receive a copy of the Lender'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).

OWNER: Richard R. Bicknell

STATE OF FLORIDA  
COUNTY OF:

Columbia

I HEREBY CERTIFY that before me personally appeared Richard R. Bicknell  
known to me to be the person described in and who executed the foregoing instrument, and severally acknowledged  
the execution thereof to be his free act and deed, for the uses and purposes therein expressed.

Columbia County  
Florida

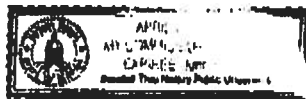
WITNESS my hand and official seal at \_\_\_\_\_, said County and State, this 25<sup>th</sup> day of September, 2006.

Notary Public  
Print Name:

APRIL DREWING

My Commission Expires:

6-14-2010



# 2 5068

# COLUMBIA COUNTY OFFICE OF CIVIL ENGINEERING

## 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 12-3S-15-00167-027

Building permit No. 000025068

Use Classification SFD, UTILITY

Fire: 22.32

Permit Holder STANLEY CRAWFORD

Waste: 67.00

Owner of Building RICK BICKNELL

Total: 89.32

Location: 677 NW INDIAN SPRINGS DR, LAKE CITY, FL

Date: 06/18/2007

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)

