

Columbia County Building Permit Application

CK# 10602

For Office Use Only Application # 0710-65 Date Received 11/30 By JW Permit # 26394
 Application Approved by - Zoning Official cfo Date 11/5/07 Plans Examiner OKJTH Date 11-1-07
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments PERMIT FACTORY-BUILT STRUCTURE ONLY GARAGE WILL BE AN ADDITION LATER DATE
☒ NOC ☒ FEH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Pa

Name Authorized Person Signing Permit Bernard Thrift Fax 752 3635
 Address 212 NW Nye Hunter Dr C.C. 32055 Phone 386 623 0046

Owners Name Bernard Thrift Phone Same
 911 Address 5557 NW Falling Creek Rd.

Contractors Name Same Phone _____
 Address _____

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Hilborn, Werner & Carter & Assoc.

Mortgage Lenders Name & Address Wells Fargo

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive En.

Property ID Number 13-25-16-01603-003 Estimated Cost of Construction 210,000

Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____

Driving Directions 41 North to falling creek rd TR Go across
Lassie Black rd past robinson branch creek bridge make
a Right Just past Bridge follow drive to end

Type of Construction MODULAR Number of Existing Dwellings on Property 0

Total Acreage 0.130 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing

Actual Distance of Structure from Property Lines - Front 183' Side 106 Side 1000 Rear 149

Total Building Height _____ Number of Stories 2 Heated Floor Area 2,834 Roof Pitch _____

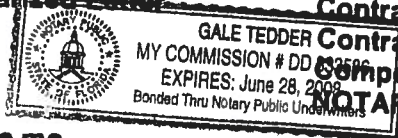
Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards all laws regulating construction in this jurisdiction.

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.

Owner Builder or Authorized Person by Notarized Letter _____ Contractor Signature _____

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Sworn to (or affirmed) and subscribed before me
 this 25th day of Oct 2007

Personally known _____ or Produced Identification _____

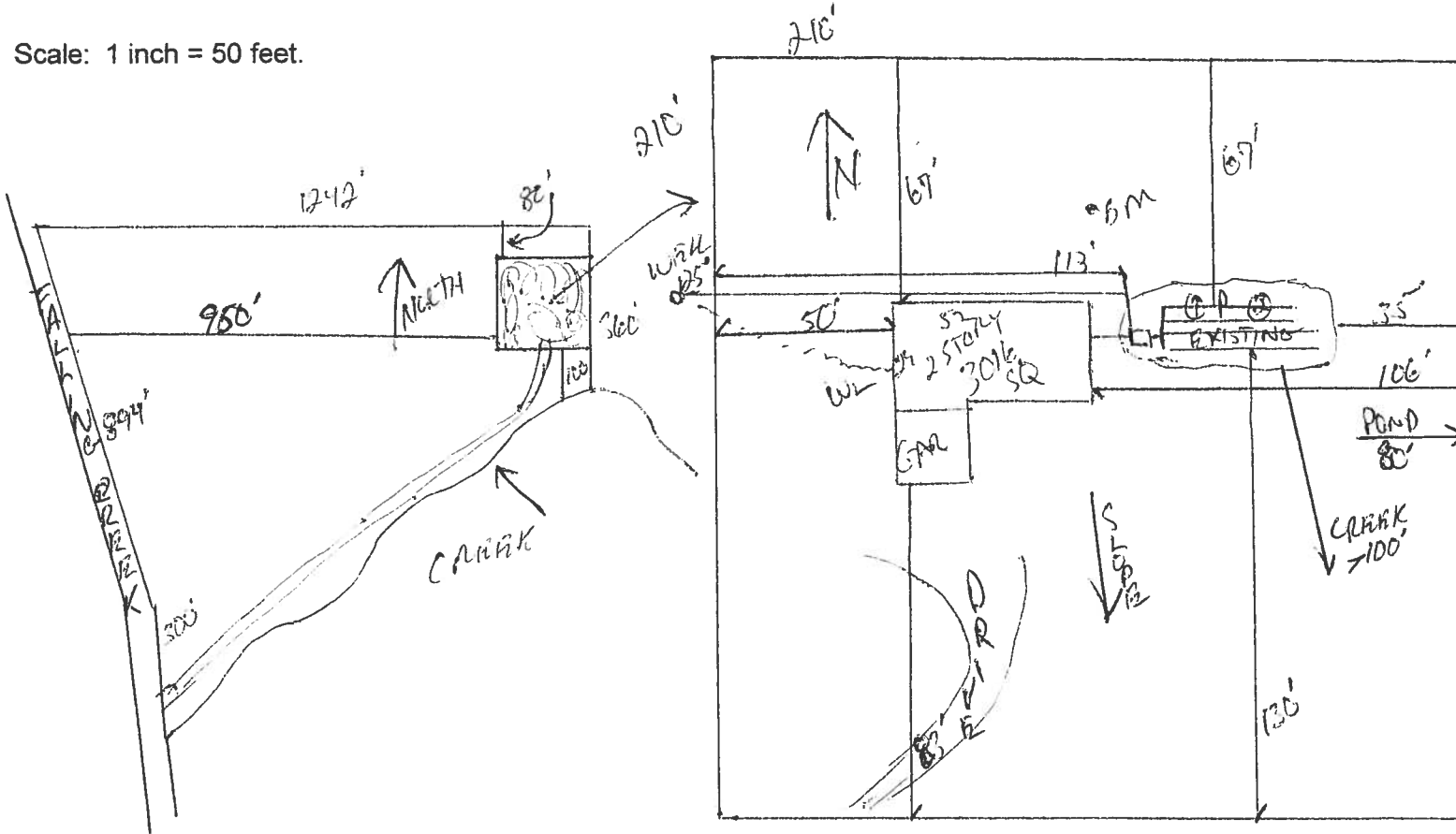
Notary Signature

Right

Page 2 of 4

Permit Application Number 07-084511

Scale: 1 inch = 50 feet.



Notes: Lot 15 Acres

Site Plan submitted by: Robert D. /

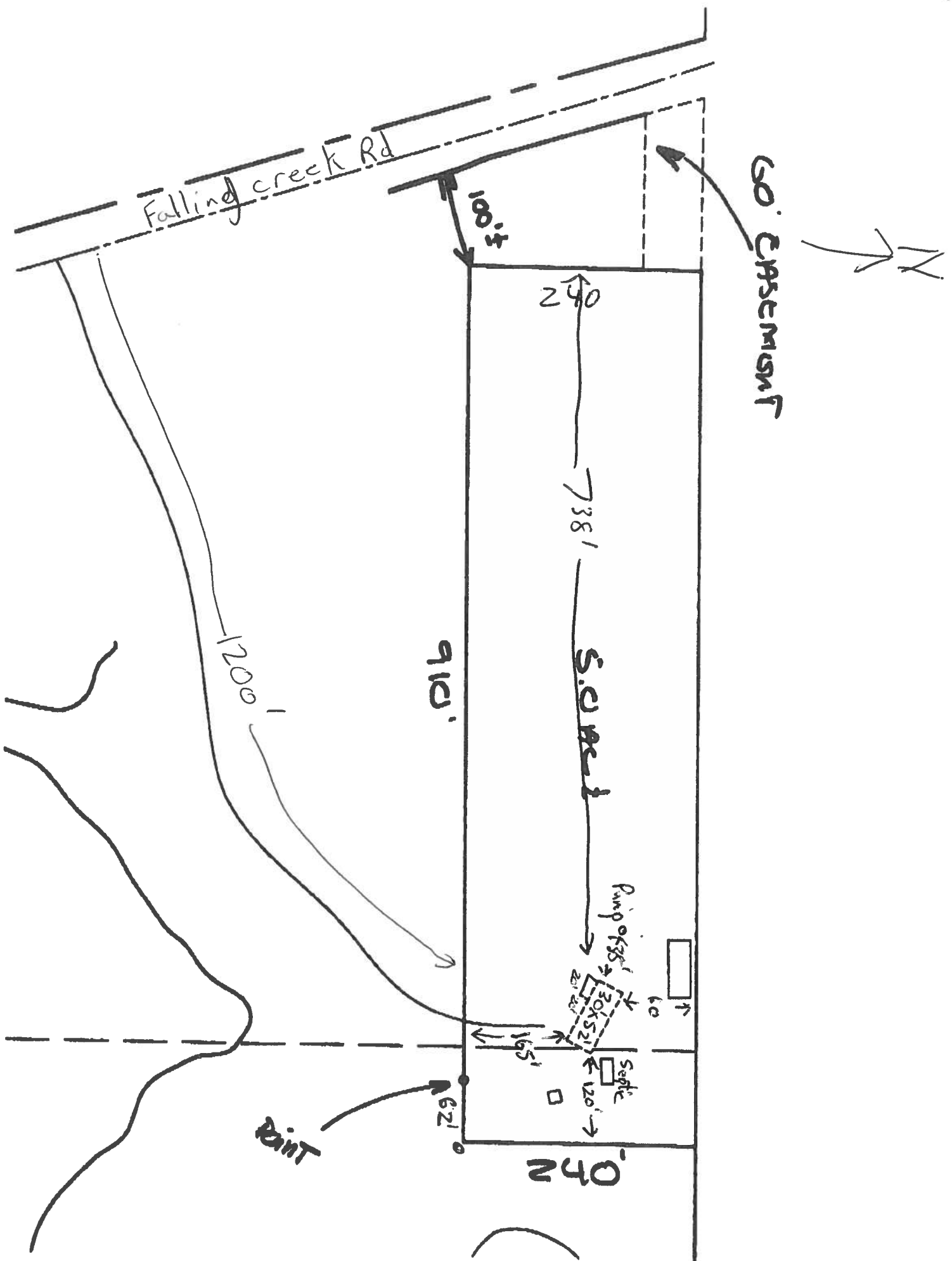
Plan Approved _____ Not Approved _____

By _____ County Health Department

MASTER CONTRACTOR

Date _____

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)



NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 13-25-16-01603-003

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Part of NE 1/4 of NE 1/4 as lies N of Robinson branch Creek,
a) Street (job) Address: old River Rd
2. General description of improvements: modular home
3. Owner Information
a) Name and address: Bernard Thrift 212 NW Nye hunter dr L.C. 32055
b) Name and address of fee simple titleholder (if other than owner) Wells Fargo
c) Interest in property _____
4. Contractor Information
a) Name and address: Owner Builder
b) Telephone No.: _____ Fax No. (Opt.) 386 752 3635
5. Surety Information
a) Name and address: N/A
b) Amount of Bond: _____
c) Telephone No.: _____
6. Lender
a) Name and address: Wells Fargo
b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b).
Florida Statutes:
a) Name and address: N/A
b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

Inst: 200712024270 Date: 10/30/2007 Time: 11:34 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 1

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

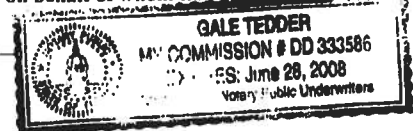
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Bernard D Thrift
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
Bernard D Thrift
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 25th day of Oct, 20 07, by Bernard Thrift as _____ (type of authority, e.g. officer, trustee, attorney fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature Gale Tedder Notary Stamp or Seal:



—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated are true to the best of my knowledge and belief.



Bernard D Thrift
Signature of Natural Person Signing (in line #10 above.)

Bernie Thrift

212NW Nyehunter dr

Lake City FL 32055

386-752-9561

Fax 386-752-3635

Send to: Columbia Co B.D.	From: Bernie Thrift
Attention: Gail Tedder	Date: 11-9-08
Office Location:	Office Location:
Fax Number: 758 2160	Phone Number: 386 623 0046

- ☐ Urgent
- ☐ Reply ASAP
- ☐ Please comment
- ☐ Please Review
- ☐ For your Information

Total pages, including cover:

Comments:

Concerning final on Permit #
000026394 I need 90 day Extension
due to non completion of Home

Thanks Bernie Thrift

Tim Sistrunk

*Bernard D. Thrift
212 N.W. Nye Hunter Drive
Lake City, Florida 32055*

February 19, 2009

To Whom it May Concern,

This letter is to request a 90 day extension on Permit #26394 due to finances.

Sincerely,

Pamela D. Thrift
Pamela D. Thrift

August 25, 2009

BUILDING DEPARTMENT

TO WHOM IT MAY CONERN:

Permit #26394

Please extend my building permit for 90 days, as I need more time to complete as funds allow.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bernie Thrift". The signature is fluid and cursive, with the first name "Bernie" and the last name "Thrift" clearly distinguishable.

Bernie Thrift

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

☒ Single Family Dwelling
() Farm Outbuilding

() Two-Family Residence
() Other _____

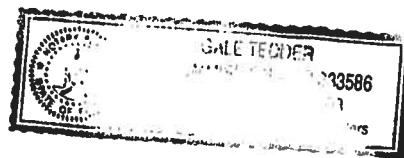
NEW CONSTRUCTION OR IMPROVEMENT

☒ New Construction

() Addition, Alteration, Modification or other Improvement

I Bernard Thrift, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Bernard Thrift
Owner Builder Signature _____ Date _____



The above signer is personally known to me or produced identification _____

Notary Signature [Signature] Date 10/25/07 (Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

RONNIE BRANNON, CFC
COLUMBIA COUNTY TAX COLLECTOR

2005 REAL ESTATE 01038690000
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
RO1603-003		28,780	0	28,780	003

R

0016797 02 AV 0.503 **AUTO T5 0 0810 32055-123

|||||
THRIFT BERNARD D & PAMELA D
212 NW NYE HUNTER DR
LAKE CITY FL 32055

SEE INSERT FOR IMPORTANT INFO
AND TELEPHONE NUMBERS
WWW.COLUMBIATAXCOLLECTOR.COM

13-2S-16 9901/9901 13.00 Acres
THAT PART OF NE1/4 OF NE1/4 AS
LIES N OF ROBINSON BRANCH
CREEK & E OF OLD RIVER RD
DESC ORB 846-2396.

AD VALOREM TAXES		
TAXING AUTHORITY	MILLAGE RATE (DOLLARS PER \$1,000 OF TAXABLE VALUE)	TAXES LEVIED
C001 BOARD OF COUNTY COMMISSIONERS	8.7280	251.13
S002 COLUMBIA COUNTY SCHOOL BOARD		
DISCRETIONARY	.7600	21.87
LOCAL	5.1950	149.51
CAPITAL OUTLAY	2.0000	57.56
W SR SUWANNEE RIVER WATER MGT DIST	.4914	14.14
HLSH SHANDS AT LAKE SHORE	1.7500	50.37
IIDA INDUSTRIAL DEVELOPEMENT AUTH	.1380	3.97
TOTAL MILLAGE 19.0604		AD VALOREM TAXES \$548.55

NON-AD VALOREM ASSESSMENTS		
LEVYING AUTHORITY	RATE	AMOUNT
FFIR FIRE ASSESSMENTS		28.09
PAY ONLY ONE AMOUNT IN YELLOW SHADED AREA		NON-AD VALOREM ASSESSMENTS \$28.09

COMBINED TAXES AND ASSESSMENTS		PAY ONLY ONE AMOUNT		See reverse side for important information.	
\$576.64					
IF PAID BY PLEASE PAY	Nov 30 553.57	Dec 31 559.34	Jan 31 565.11	Feb 28 570.87	Mar 31 576.64

IF PAID BY

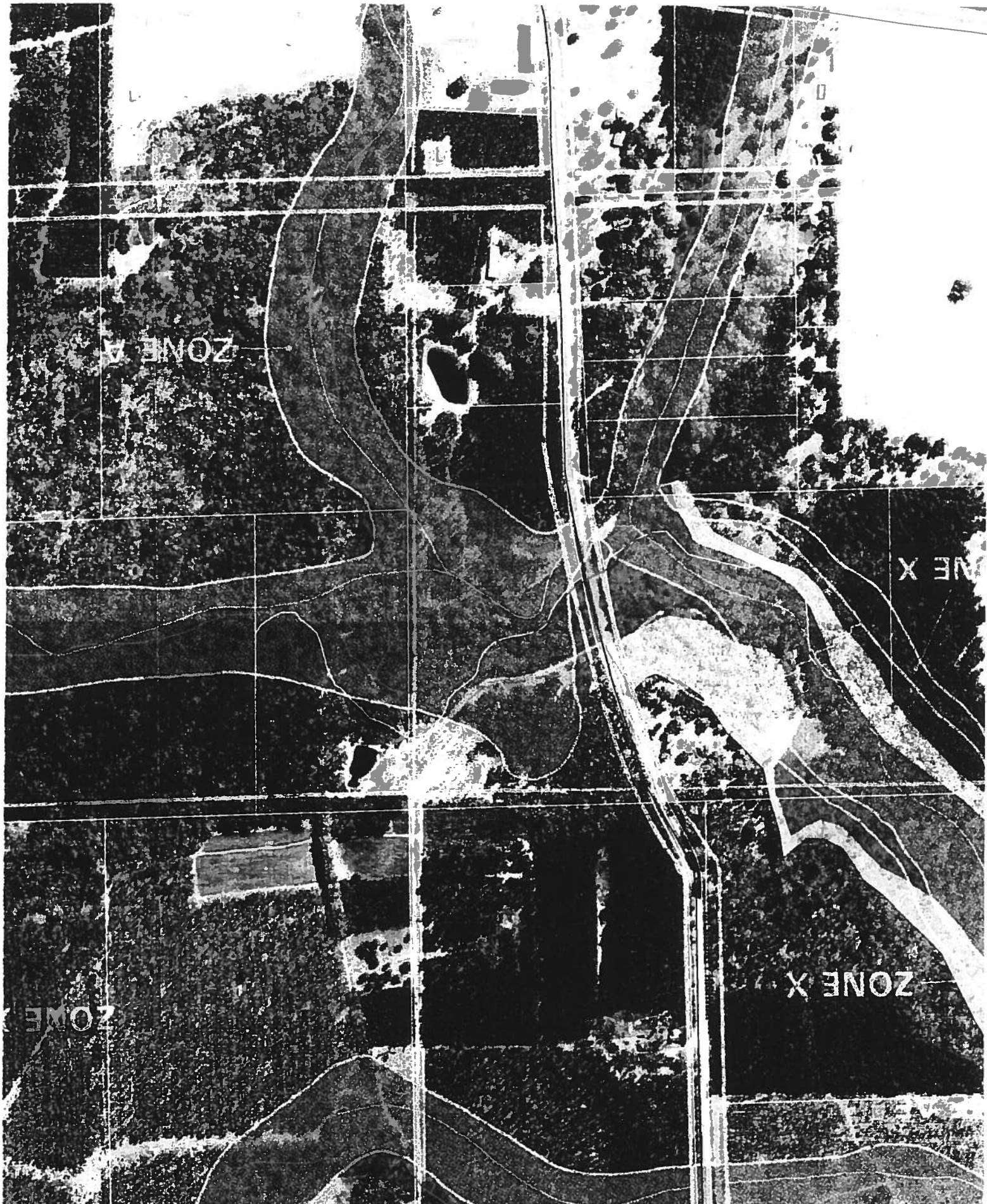


Robinson Branch Ranch

jug pond

Image © 2007 The Florida Department of Environmental Protection

Google™



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **TH-2R**
Address: **TH-2R NORTH**
City, State: ,
Owner:
Climate Zone: **North**

Builder:
Permitting Office:
Permit Number:
Jurisdiction Number:

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? Yes ☐
6. Conditioned floor area (ft²) 2834 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble, U=0.3) 66.0 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 266.4 ft² ☐
8. Floor types
 - a. Raised Wood, Stem Wall R=19.0, 1508.0ft² ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=19.0, 2730.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1508.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Attic Sup. R=6.0, 150.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 48.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 51.0 kBtu/hr
HSPF: 7.70 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 1.0 gallons
EF: 0.97 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.

Glass/Floor Area: 0.09 Total as-built points: 30841
Total base points: 37015

PASS

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

PREPARED BY:

DATE: 11/15/06

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.

Date 11-18-06 Plan No.

BUILDING OFFICIAL: SCOTT S. FRANCIS

DATE: 2198-0012 F



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4

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

ADDRESS: TH-2R NORTH, , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X	Conditioned	X BSPM =	Points	Type/SC	Ornt	Len	Hgt	Area X	SPM X	SOF =	Points
	Floor Area										
.18	2834.0	18.59	9483.0	1.Double,U=0.34,Clear	W	0.0	0.0	66.0	41.34	1.00	2728.0
				2.Double,U=0.34,Clear	W	0.0	0.0	24.0	41.34	1.00	992.0
				3.Double, Clear	W	0.0	0.0	13.4	38.52	1.00	516.0
				4.Double,U=0.34,Clear	E	0.0	0.0	66.0	44.82	1.00	2957.0
				5.Double,U=0.34,Clear	E	0.0	0.0	12.0	44.82	1.00	537.0
				6.Double,U=0.38,Clear	E	0.0	0.0	40.0	44.55	1.00	1781.0
				7.Double,U=0.34,Clear	N	0.0	0.0	33.0	22.23	1.00	733.0
				8.Double,U=0.34,Clear	S	0.0	0.0	12.0	38.62	1.00	463.0
				As-Built Total:				266.4			10707.0
WALL TYPES				Type				R-Value	Area X	SPM =	Points
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior				19.0	2730.0	0.90	2457.0
Exterior	2730.0	1.70	4641.0								
Base Total:	2730.0		4641.0	As-Built Total:				2730.0			2457.0
DOOR TYPES				Type					Area X	SPM =	Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated					80.0	4.10	328.0
Exterior	80.0	6.10	488.0								
Base Total:	80.0		488.0	As-Built Total:				80.0			328.0
CEILING TYPES				Type				R-Value	Area X	SPM X SCM =	Points
Under Attic	1508.0	1.73	2608.8	1. Under Attic				30.0	1508.0	1.73 X 1.00	2608.8
Base Total:	1508.0		2608.8	As-Built Total:				1508.0			2608.8
FLOOR TYPES				Type				R-Value	Area X	SPM =	Points
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall				19.0	1508.0	-1.50	-2262.0
Raised	1508.0	-3.99	-6016.9								
Base Total:			-6016.9	As-Built Total:				1508.0			-2262.0
INFILTRATION									Area X	SPM =	Points
	2834.0	10.21	28935.1						2834.0	10.21	28935.1

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

ADDRESS: TH-2R NORTH, , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 40139.1				Summer As-Built Points: 42774.0						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.09 x 1.147 x 1.11)	X System Multiplier	X Credit Multiplier	=	Cooling Points
40139.1	0.3250		13045.2	(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 42774	1.00		0.260	0.950		14661.9
				42774.0	1.00	1.388	0.260	0.950		14661.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R NORTH, , ,

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	2834.0	20.17	10289.0	1.Double,U=0.34,Clear	W	0.0	0.0	66.0	4.85	1.00	319.0
				2.Double,U=0.34,Clear	W	0.0	0.0	24.0	4.85	1.00	116.0
				3.Double, Clear	W	0.0	0.0	13.4	20.73	1.00	277.0
				4.Double,U=0.34,Clear	E	0.0	0.0	66.0	3.08	1.00	203.0
				5.Double,U=0.34,Clear	E	0.0	0.0	12.0	3.08	1.00	36.0
				6.Double,U=0.38,Clear	E	0.0	0.0	40.0	4.44	1.00	177.0
				7.Double,U=0.34,Clear	N	0.0	0.0	33.0	8.64	1.00	285.0
				8.Double,U=0.34,Clear	S	0.0	0.0	12.0	-2.30	1.00	-27.0
				As-Built Total:		266.4			1386.0		
WALL TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0		2730.0	2.20		6006.0	
Exterior	2730.0	3.70	10101.0								
Base Total:				As-Built Total:		2730.0			6006.0		
DOOR TYPES											
Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			80.0	8.40		672.0	
Exterior	80.0	12.30	984.0								
Base Total:				As-Built Total:		80.0			672.0		
CEILING TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1508.0	2.05	3091.4	1. Under Attic	30.0		1508.0	2.05 X 1.00		3091.4	
Base Total:				As-Built Total:		1508.0			3091.4		
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall	19.0		1508.0	0.80		1206.4	
Raised	1508.0	0.96	1447.7								
Base Total:				As-Built Total:		1508.0			1206.4		
INFILTRATION											
Area X BWPM = Points						Area X WPM		= Points			
2834.0 -0.59 -1672.1						2834.0 -0.59		-1672.1			

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

ADDRESS: TH-2R NORTH, , ,

PERMIT #:

BASE				AS-BUILT					
Winter Base Points:		24241.0		Winter As-Built Points:			10689.7		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
24241.0	0.5540		13429.5	(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Att(AH),R6.0 10689.7 1.000 (1.069 x 1.169 x 1.10)0.443 0.950 6182.1 10689.7 1.00 1.375 0.443 0.950 6182.1					

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R NORTH, , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
Number of Bedrooms	X	Multiplier	=	Total						
4		2635.00		10540.0	1.0	0.97	4		1.00	2499.18
					As-Built Total:					9996.7

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
13045		13430		10540 37015	14662		6182		9997 30841

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R NORTH, , ,

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 612.1.ABC.3.2. Switch or clearly marked air 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* = 86.8

The higher the score, the more efficient the home.

, TH-2R NORTH, , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	2834 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump	Cap: 51.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.3) 66.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 266.4 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Raised Wood, Stem Wall	R=19.0, 1508.0ft ²	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 1.0 gallons
c. N/A	___	___		EF: 0.97
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=19.0, 2730.0 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	
c. N/A	___	___	DHP-Dedicated heat pump)	
d. N/A	___	___	15. HVAC credits	PT, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		___	HF-Whole house fan,	
a. Under Attic	R=30.0, 1508.0 ft ²	___	PT-Programmable Thermostat,	
b. N/A	___	___	MZ-C-Multizone cooling,	
c. N/A	___	___	MZ-H-Multizone heating)	
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 ft	___		
b. N/A	___	___		

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ 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.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

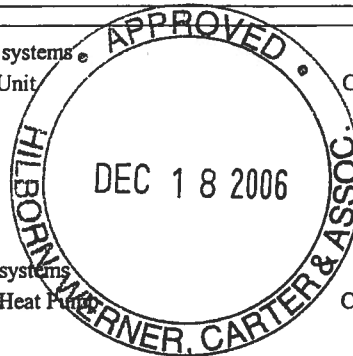
Project Name:	TH-2R	Builder:	
Address:	TH-2R CENTRAL	Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	Central		

- New construction or existing New ☐
- Single family or multi-family Single family ☐
- Number of units, if multi-family 1 ☐
- Number of Bedrooms 4 ☐
- Is this a worst case? Yes ☐
- Conditioned floor area (ft²) 2834 ft² ☐
- Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - U-factor: Description Area

(or Single or Double DEFAULT) 7a. (Dble, U=0.3) 66.0 ft² ☐
 - SHGC: 7b. (Clear) 266.4 ft² ☐
- Floor types
 - Raised Wood, Stem Wall R=19.0, 1508.0ft² ☐
 - N/A ☐
 - N/A ☐
- Wall types
 - Frame, Wood, Exterior R=19.0, 2730.0 ft² ☐
 - N/A ☐
 - N/A ☐
 - N/A ☐
 - N/A ☐
- Ceiling types
 - Under Attic R=30.0, 1508.0 ft² ☐
 - N/A ☐
 - N/A ☐
- Ducts
 - Sup: Unc. Ret: Unc. AH: Attic Sup: R=1.0, 1508.0 ft² ☐

- Cooling systems
 - Central Unit Cap: 48.0 kBtu/hr
SEER: 13.00 ☐
 - N/A ☐
 - N/A ☐
- Heating systems
 - Electric Heat Pump Cap: 51.0 kBtu/hr
HSPF: 7.70 ☐
 - N/A ☐
 - N/A ☐
- Hot water systems
 - Electric Resistance Cap: 1.0 gallons
EF: 0.97 ☐
 - N/A ☐
 - Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
- HVAC credits PT, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)



SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.

Glass/Floor Area: 0.09

Total as-built points: 31856

Total base points: 33984

PASS

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

PREPARED BY: [Signature]

DATE: 12/15/06

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

OWNER/AGENT: [Signature]

DATE: 12/15/06

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.



Date 12-18-06 Plan No. 2198-0012 F
BUILDING OFFICIAL
 Approved By SCOTT S. FRANCIS

DATE: 12/18/06

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R CENTRAL, , ,

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	2834.0	24.35	12421.0	1.Double,U=0.34,Clear	E	0.0	0.0	66.0	58.27	1.00	3845.0
				2.Double,U=0.34,Clear	E	0.0	0.0	24.0	58.27	1.00	1398.0
				3.Double, Clear	E	0.0	0.0	13.4	55.69	1.00	746.0
				4.Double,U=0.34,Clear	W	0.0	0.0	66.0	52.91	1.00	3491.0
				5.Double,U=0.34,Clear	W	0.0	0.0	12.0	52.91	1.00	634.0
				6.Double,U=0.38,Clear	W	0.0	0.0	40.0	52.63	1.00	2105.0
				7.Double,U=0.34,Clear	S	0.0	0.0	33.0	44.63	1.00	1472.0
				8.Double,U=0.34,Clear	N	0.0	0.0	12.0	29.24	1.00	350.0
				As-Built Total:			266.4			14041.0	
WALL TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0			2730.0	1.00	2730.0	
Exterior	2730.0	1.90	5187.0								
Base Total:				As-Built Total:			2730.0			2730.0	
DOOR TYPES											
Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				80.0	4.80	384.0	
Exterior	80.0	4.80	384.0								
Base Total:				As-Built Total:			80.0			384.0	
CEILING TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1508.0	2.13	3212.0	1. Under Attic	30.0			1508.0	2.13 X 1.00	3212.0	
Base Total:				As-Built Total:			1508.0			3212.0	
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall	19.0			1508.0	-1.80	-2714.4	
Raised	1508.0	-3.43	-5172.4								
Base Total:				As-Built Total:			1508.0			-2714.4	
INFILTRATION											
Area X BSPM = Points							Area X SPM = Points				
2834.0 14.31 40554.5							2834.0 14.31			40554.5	

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

ADDRESS: TH-2R CENTRAL, , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 56586.1				Summer As-Built Points: 58207.2						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
56586.1	0.3250		18390.5	(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 58207 1.00 (1.09 x 1.150 x 1.10) 0.260 0.950 19769.4 58207.2 1.00 1.375 0.260 0.950 19769.4						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R CENTRAL, , ,

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	2834.0	9.11	4647.0	1.Double,U=0.34,Clear	E	0.0	0.0	66.0	1.97	1.00	130.0
				2.Double,U=0.34,Clear	E	0.0	0.0	24.0	1.97	1.00	47.0
				3.Double, Clear	E	0.0	0.0	13.4	8.82	1.00	118.0
				4.Double,U=0.34,Clear	W	0.0	0.0	66.0	2.65	1.00	174.0
				5.Double,U=0.34,Clear	W	0.0	0.0	12.0	2.65	1.00	31.0
				6.Double,U=0.38,Clear	W	0.0	0.0	40.0	3.24	1.00	129.0
				7.Double,U=0.34,Clear	S	0.0	0.0	33.0	-0.03	1.00	-1.0
				8.Double,U=0.34,Clear	N	0.0	0.0	12.0	4.00	1.00	48.0
				As-Built Total:		266.4			676.0		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0		2730.0	1.10		3003.0	
Exterior	2730.0	2.00	5460.0								
Base Total: 2730.0 5460.0				As-Built Total:		2730.0			3003.0		
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			80.0	5.10		408.0	
Exterior	80.0	5.10	408.0								
Base Total: 80.0 408.0				As-Built Total:		80.0			408.0		
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1508.0	0.64	965.1	1. Under Attic	30.0		1508.0	0.64 X 1.00		965.1	
Base Total: 1508.0 965.1				As-Built Total:		1508.0			965.1		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall	19.0		1508.0	0.30		452.4	
Raised	1508.0	-0.20	-301.6								
Base Total: -301.6				As-Built Total:		1508.0			452.4		
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
2834.0 -0.28 -793.5				2834.0 -0.28 -793.5							

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

ADDRESS: TH-2R CENTRAL, , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 10385.0				Winter As-Built Points: 4711.0						
Total Winter X Points	System = Multiplier	Heating Points		Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)						
10385.0	0.5540	5753.3		(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Att(AH),R6.0 4711.0 1.000 (1.078 x 1.160 x 1.11)0.443 0.950 2753.5 4711.0 1.00 1.388 0.443 0.950 2753.5						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R CENTRAL, , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						Total
4		2460.00	9840.0	1.0	0.97	4		1.00	2333.20
									1.00
									9332.8
				As-Built Total:					9332.8

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
18390		5753		9840		33984	19769		2753
									9333
									31856

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R CENTRAL, , ,

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 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* = 86.5

The higher the score, the more efficient the home.

, TH-2R CENTRAL, , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	2834 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 51.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.3) 66.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 266.4 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Raised Wood, Stem Wall	R=19.0, 1508.0ft ²	___	a. Electric Resistance	Cap: 1.0 gallons
b. N/A	___	___		EF: 0.97
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=19.0, 2730.0 ft ²	___	(HR-Heat recovery, Solar	
b. N/A	___	___	DHP-Dedicated heat pump)	
c. N/A	___	___	15. HVAC credits	PT, ___
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, 1508.0 ft ²	___	MZ-C-Multizone cooling,	
b. N/A	___	___	MZ-H-Multizone heating)	
c. N/A	___	___		
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 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: _____



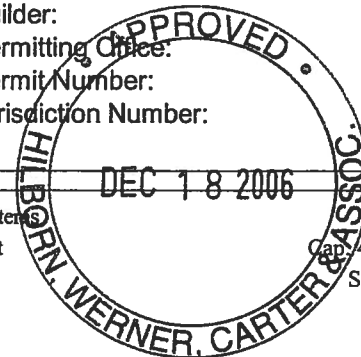
**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if 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.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	TH-2R	Builder:	
Address:	TH-2R SOUTH	Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	South		



1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	4	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft²)	2834 ft²	a. Electric Heat Pump	Cap: 51.0 kBtu/hr HSPF: 7.70
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT)	7a. (Dble, U=0.3) 66.0 ft²	14. Hot water systems	
b. SHGC:	7b. (Clear) 266.4 ft²	a. Electric Resistance	Cap: 1.0 gallons EF: 0.97
(or Clear or Tint DEFAULT)		b. N/A	
8. Floor types		c. Conservation credits	
a. Raised Wood, Stem Wall	R=19.0, 1508.0ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT, _____
9. Wall types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Frame, Wood, Exterior	R=19.0, 2730.0 ft²	HF-Whole house fan,	
b. N/A		PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
d. N/A		MZ-H-Multizone heating)	
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1508.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 ft		
b. N/A			

SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.

Glass/Floor Area: 0.09

Total as-built points: 35722

Total base points: 36096

PASS

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

PREPARED BY: [Signature]
DATE: 12/15/06

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.

Approved By SCOTT S. FRANCIS
BUILDING OFFICIAL: 2198-0012F
DATE: [Signature]



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

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

ADDRESS: TH-2R SOUTH, , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt			Area X SPM X SOF = Points			
.18	2834.0	30.53	15574.0	1.Double,U=0.34,Clear	E	0.0	0.0	66.0	72.16	1.00	4762.0
				2.Double,U=0.34,Clear	E	0.0	0.0	24.0	72.16	1.00	1731.0
				3.Double, Clear	E	0.0	0.0	13.4	68.60	1.00	919.0
				4.Double,U=0.34,Clear	W	0.0	0.0	66.0	65.35	1.00	4312.0
				5.Double,U=0.34,Clear	W	0.0	0.0	12.0	65.35	1.00	784.0
				6.Double,U=0.38,Clear	W	0.0	0.0	40.0	64.97	1.00	2598.0
				7.Double,U=0.34,Clear	S	0.0	0.0	33.0	62.12	1.00	2050.0
				8.Double,U=0.34,Clear	N	0.0	0.0	12.0	36.07	1.00	432.0
				As-Built Total:			266.4		17588.0		
WALL TYPES				Area X BSPM = Points							
				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0			2730.0	1.60 4368.0		
Exterior	2730.0	2.70	7371.0								
Base Total:				2730.0				7371.0			
				As-Built Total:				2730.0 4368.0			
DOOR TYPES				Area X BSPM = Points							
				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				80.0	6.40 512.0		
Exterior	80.0	6.40	512.0								
Base Total:				80.0				512.0			
				As-Built Total:				80.0 512.0			
CEILING TYPES				Area X BSPM = Points							
				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1508.0	2.80	4222.4	1. Under Attic	30.0			1508.0	2.77 X 1.00 4177.2		
Base Total:				1508.0				4222.4			
				As-Built Total:				1508.0 4177.2			
FLOOR TYPES				Area X BSPM = Points							
				Type	R-Value			Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stem Wall	19.0			1508.0	-0.40 -603.2		
Raised	1508.0	-2.16	-3257.3								
Base Total:				-3257.3				1508.0 -603.2			
				As-Built Total:				1508.0 -603.2			
INFILTRATION				Area X BSPM = Points							
							Area X SPM = Points				
2834.0 18.79 53250.9							2834.0 18.79 53250.9				

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

ADDRESS: TH-2R SOUTH, , ,

PERMIT #:

BASE				AS-BUILT							
Summer Base Points: 77673.0				Summer As-Built Points: 79292.8							
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Cooling Points	
						(DM x DSM x AHU)					
				(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)							
				79293	1.00	(1.07 x 1.165 x 1.08)	0.260	0.950		26441.1	
77673.0	0.3250		25243.7	79292.8	1.00	1.350	0.260	0.950		26441.1	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R SOUTH, , ,

PERMIT #:

BASE				AS-BUILT						
GLASS TYPES										
.18 X	Conditioned	X BWPM =	Points	Type/SC	Overhang					
	Floor Area				Ornt	Len	Hgt	Area X	WPM X	WOF = Points
.18	2834.0	3.60	1836.0	1.Double,U=0.34,Clear	E	0.0	0.0	66.0	0.68	1.00 45.0
				2.Double,U=0.34,Clear	E	0.0	0.0	24.0	0.68	1.00 16.0
				3.Double, Clear	E	0.0	0.0	13.4	3.30	1.00 44.0
				4.Double,U=0.34,Clear	W	0.0	0.0	66.0	1.32	1.00 87.0
				5.Double,U=0.34,Clear	W	0.0	0.0	12.0	1.32	1.00 15.0
				6.Double,U=0.38,Clear	W	0.0	0.0	40.0	1.55	1.00 61.0
				7.Double,U=0.34,Clear	S	0.0	0.0	33.0	0.51	1.00 16.0
				8.Double,U=0.34,Clear	N	0.0	0.0	12.0	1.70	1.00 20.0
				As-Built Total:						
				266.4 304.0						
WALL TYPES										
Area X	Area X	Area X	Area X	Type	R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	19.0	2730.0	0.30		819.0	
Exterior	2730.0	0.60	1638.0							
Base Total:				As-Built Total:						
				2730.0 819.0						
DOOR TYPES										
Area X	Area X	Area X	Area X	Type	R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	1.Exterior Insulated		80.0	1.80		144.0	
Exterior	80.0	1.80	144.0							
Base Total:				As-Built Total:						
				80.0 144.0						
CEILING TYPES										
Area X	Area X	Area X	Area X	Type	R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1508.0	0.10	150.8	1. Under Attic	30.0	1508.0	0.10 X 1.00		150.8	
Base Total:				As-Built Total:						
				1508.0 150.8						
FLOOR TYPES										
Area X	Area X	Area X	Area X	Type	R-Value	Area X	WPM	=	Points	
Slab	0.0(p)	0.0	0.0	1. Raised Wood, Stern Wall	19.0	1508.0	-0.10		-150.8	
Raised	1508.0	-0.28	-422.2							
Base Total:				As-Built Total:						
				1508.0 -150.8						
INFILTRATION										
Area X	Area X	Area X	Area X							
2834.0	-0.06	-170.0								
				2834.0 -0.06 -170.0						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R SOUTH, , ,	PERMIT #:
---------------------------	-----------

BASE				AS-BUILT						
Winter Base Points: 3176.5				Winter As-Built Points: 1097.0						
Total Winter X Points	System = Multiplier	Heating Points		Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points)(DM x DSM x AHU)						
3176.5	0.5540	1759.8		(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Att(AH),R6.0 1097.0 1.000 (1.099 x 1.137 x 1.14)0.443 0.950 657.4 1097.0 1.00 1.425 0.443 0.950 657.4						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R SOUTH, , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	X Multiplier X Credit = Total Multiplier
Number of Bedrooms	X	Multiplier	= Total						
4		2273.00	9092.0	1.0	0.97	4		1.00	2155.83 1.00 8623.3
				As-Built Total:					8623.3

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
25244		1760		9092 36096	26441		657		8623 35722

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R SOUTH, , ,

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 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* = 86.5

The higher the score, the more efficient the home.

, TH-2R SOUTH, , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	2834 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 51.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble, U=0.3) 66.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 266.4 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Raised Wood, Stem Wall	R=19.0, 1508.0ft ²	___	a. Electric Resistance	Cap: 1.0 gallons
b. N/A	___	___		EF: 0.97
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=19.0, 2730.0 ft ²	___	(HR-Heat recovery, Solar	
b. N/A	___	___	DHP-Dedicated heat pump)	
c. N/A	___	___	15. HVAC credits	PT, ___
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, 1508.0 ft ²	___	MZ-C-Multizone cooling,	
b. N/A	___	___	MZ-H-Multizone heating)	
c. N/A	___	___		
11. Ducts		___		
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 150.0 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.

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5)

PRODUCT APPROVAL

TOWNHOMES, LLC
MODEL NUMBER: TH-2R
HWC NUMBER: 2198-0012F

EXTERIOR DOORS

<u>CATEGORY</u>	<u>MANUFACTURER</u>	<u>DESCRIPTION</u>	<u>APPROVAL #</u>
SWINGING DOUBLE	ELIXER JELD-WEN	EXTERIOR DOOR EXT. DOUBLE DOOR	FL1722-R1 FL3942

EXTERIOR WINDOWS

<u>CATEGORY</u>	<u>MANUFACTURER</u>	<u>DESCRIPTION</u>	<u>APPROVAL #</u>
SINGLE HUNG	KINRO	SINGLE HUNG	FL993-R2

EXTERIOR WALL

<u>CATEGORY</u>	<u>MANUFACTURER</u>	<u>DESCRIPTION</u>	<u>APPROVAL #</u>
SIDING FASCIA	VARIFORM, INC. JAMES HARDIE	VINYL SIDING HARDI-BOARD FASCIA	FL1606-R1 FL1889-R1

ROOFING

<u>CATEGORY</u>	<u>MANUFACTURER</u>	<u>DESCRIPTION</u>	<u>APPROVAL #</u>
SHINGLES FASTENERS	OWENS CORNING SENCO PRODUCTS	ASPHALT SHINGLES ROOFING NAIL	FL3663-R1 FL5135

STRUCTURAL

<u>CATEGORY</u>	<u>MANUFACTURER</u>	<u>DESCRIPTION</u>	<u>APPROVAL #</u>
STRAPPING TRUSS TIE-DOWN	UNITED STEEL PRODUCTS SIMPSON	UPLIFT STRAPS TRUSS TIE-DOWN	FL822 FL1423-R2

[illegible]

Columbia County Property Appraiser

DB Last Updated: 10/22/2007

2007 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 13-2S-16-01603-003

Search Result: 1 of 1

Owner & Property Info

Owner's Name	THRIFT BERNARD D & PAMELA D		
Site Address			
Mailing Address	212 NW NYE HUNTER DR LAKE CITY, FL 32055		
Use Desc. (code)	AC/XFOB (009901)		
Neighborhood	13216.00	Tax District	3
UD Codes	MKTA03	Market Area	03
Total Land Area	13.000 ACRES		
Description	THAT PART OF NE1/4 OF NE1/4 AS LIES N OF ROBINSON BRANCH CREEK & E OF OLD RIVER RD DESC ORB 846-2396.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$65,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (1)	\$180.00
Total Appraised Value		\$65,180.00

Just Value	\$65,180.00
Class Value	\$0.00
Assessed Value	\$65,180.00
Exempt Value	\$0.00
Total Taxable Value	\$65,180.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
10/7/1997	846/2396	WD	V	U	02	\$34,000.00

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)
0294	SHED WOOD/	2003	\$180.00	48.000	6 x 8 x 0	AP (50.00)

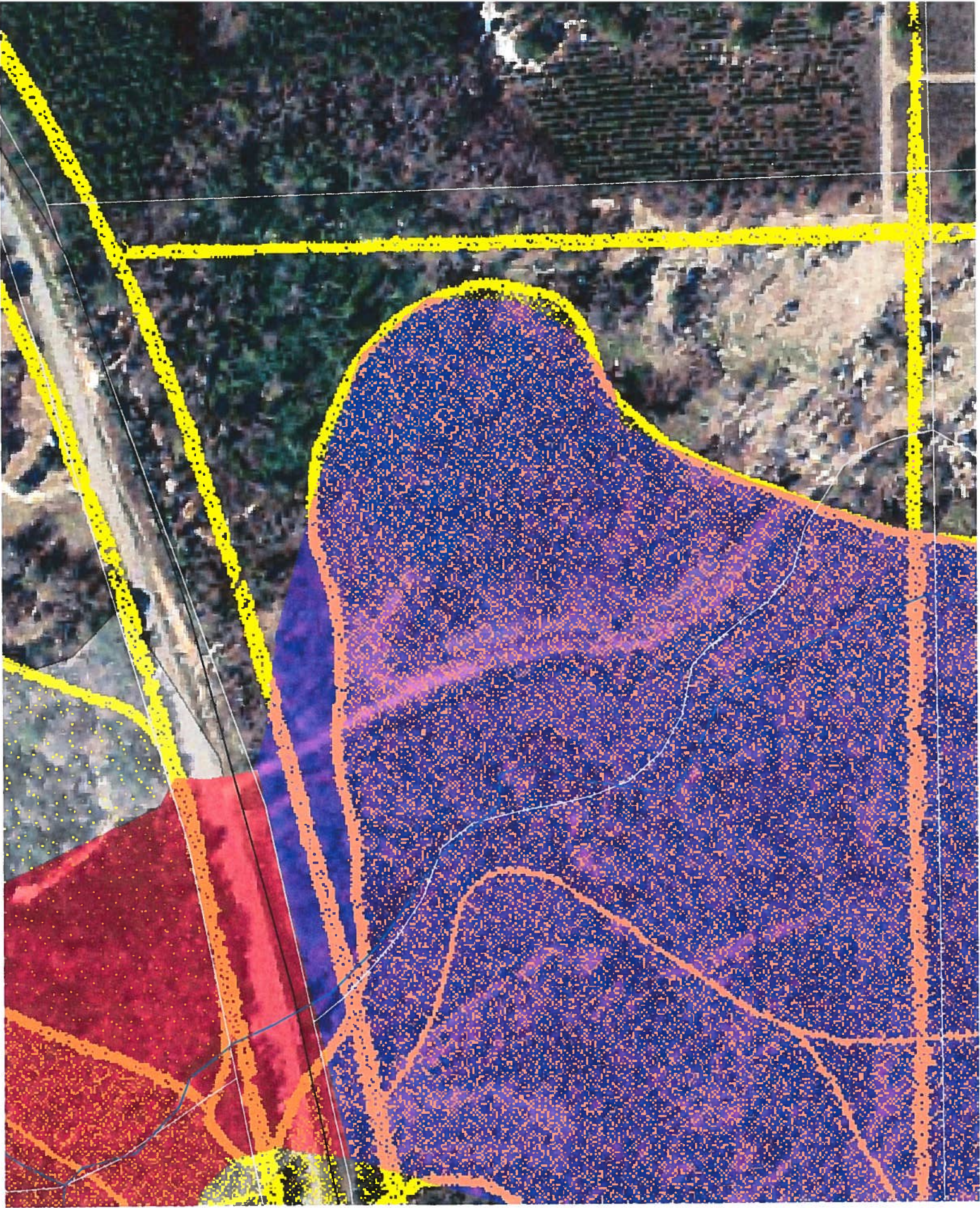
Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009901	AC/XFOB (MKT)	13.000 AC	1.00/1.00/1.00/1.00	\$5,000.00	\$65,000.00

Columbia County Property Appraiser

DB Last Updated: 10/22/2007

1 of 1



COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 11/5/2007 DATE ISSUED: 11/6/2007

ENHANCED 9-1-1 ADDRESS:

5557 NW FALLING CREEK RD


WHITE SPRINGS FL 32096

PROPERTY APPRAISER PARCEL NUMBER:

13-2S-16-01603-003

Remarks:

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1015

Approved Address

11/6/2007

911 Addressing/GIS Dept



ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING

December 18, 2006
TownHomes, LLC
133 S.E. Newell Drive
Lake City, Fl. 32056

Manufacturer: TownHomes, LLC
Size & Occupancy: TH-2R (29'-0" X 52'-0") R-3
HWC Plan#: 2198-0012F

To Whom It May Concern:

This is to certify that the plans for the referenced manufactured building have been reviewed and approved as being in compliance with the 2004 Florida Codes and Standards, with 2006 supplement, as noted on the approved drawings, subject to the following limitations:

1. Approval covers factory-built structure only.
2. Items installed at the site are subject to review, approval, and inspection by the local authority having jurisdiction.
3. The Chapter 633 Plan Review and Inspection shall be conducted by the local fire safety inspector.
4. Signed and sealed plans shall be on file with HWC Engineering.
5. NOT Approved for High Velocity Hurricane Zone (i.e. Broward and Dade Counties).

Sincerely,
HILBORN, WERNER, CARTER & ASSOCIATES, INC.



Plan Reviewer

HILBORN, WERNER, CARTER AND ASSOCIATES, INC.

1627 SOUTH MYRTLE AVENUE CLEARWATER, FLORIDA 33756

(727) 584-8151

FAX: (727) 586-3343 / (727) 585-2392 / (727) 587-0447

Modular

Dapia

Inspection