

DATE 03/28/2007

Columbia County Building Permit

PERMIT
000025665

This Permit Expires One Year From the Date of Issue

APPLICANT	SAM OOSTERHOUDT		PHONE	386.754.9356	
ADDRESS	186	SE NEWELL DRIVE	LAKE CITY	FL	32025
OWNER	SAM OOSTERHOUDT/J.C MARSH & SONS, INC.		PHONE	386.754.9367	
ADDRESS	141	NW TAYLOR MCGEE PLACE	LAKE CITY	FL	32055
CONTRACTOR	SAM OOSTERHOUDT		PHONE	386.754.9367	
LOCATION OF PROPERTY	41-N TO FALLING CREEK RD, 1/2 MILE SOUTH OF MERSHON ROAD.				
TYPE DEVELOPMENT	MODULAR/UTILITY		ESTIMATED COST OF CONSTRUCTION	0.00	
HEATED FLOOR AREA			TOTAL AREA	HEIGHT	15.00
FOUNDATION	CONC	WALLS	FRAMED	ROOF PITCH	6'12
LAND USE & ZONING	PRRD		MAX. HEIGHT	35	
Minimum Set Back Requirments:	STREET-FRONT		30.00	REAR	25.00
				SIDE	25.00
NO. EX.D.U.	0	FLOOD ZONE	X	DEVELOPMENT PERMIT NO.	

PARCEL ID	30-2S-17-04800-000		SUBDIVISION		
LOT	BLOCK	PHASE	UNIT	TOTAL ACRES	34.12

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor		
PRIVATE	07-257-N	BLK	JTH	N	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident	

COMMENTS: 1 FOOT ABOVE ROAD. PER COUNTY MANAGER.

Check # or Cash 1242

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power	Foundation	Monolithic
date/app. by	date/app. by	date/app. by
Under slab rough-in plumbing	Slab	Sheathing/Nailing
date/app. by	date/app. by	date/app. by
Framing	Rough-in plumbing above slab and below wood floor	
date/app. by	date/app. by	
Electrical rough-in	Heat & Air Duct	Peri. beam (Lintel)
date/app. by	date/app. by	date/app. by
Permanent power	C.O. Final	Culvert
date/app. by	date/app. by	date/app. by
M/H tie downs, blocking, electricity and plumbing		Pool
	date/app. by	date/app. by
Reconnection	Pump pole	Utility Pole
date/app. by	date/app. by	date/app. by
M/H Pole	Travel Trailer	Re-roof
date/app. by	date/app. by	date/app. by

BUILDING PERMIT FEE \$	0.00	CERTIFICATION FEE \$	0.00	SURCHARGE FEE \$	0.00
MISC. FEES \$	200.00	ZONING CERT. FEE \$	50.00	FIRE FEE \$	0.00
		WASTE FEE \$			
FLOOD DEVELOPMENT FEE \$		FLOOD ZONE FEE \$	25.00	CULVERT FEE \$	
				TOTAL FEE	275.00
INSPECTORS OFFICE			CLERKS OFFICE		

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0703.24 Date Received 3/8/07 By GF Permit # 25665
 Application Approved by - Zoning Official BK Date 27.03.07 Plans Examiner JKH Date 2-12-07
 Flood Zone X Development Permit N/A Zoning PRRO Land Use Plan Map Category A-3
 Comments Per County Manager
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit SAM Oosterhout Fax 758 4796
 Address 186 SE NEWELL DR L.C. 32025 Phone 754 - 9367
 Owners Name SAM Oosterhout DBA JCMARSHAWSON Phone 754 9367
 911 Address 141 NW TAYLOR MCGEE PL, L.C. 7L 32055
 Contractors Name SAME Phone _____
 Address _____

Fee Simple Owner Name & Address SAME
 Bonding Co. Name & Address NONE
 Architect/Engineer Name & Address NONE
 Mortgage Lenders Name & Address NONE

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 30-25-17-04800-000 Estimated Cost of Construction 75,000
 Subdivision Name 41N TR Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions FALLING GREEK RD 1/2 SOUTH OF MARSHAW RD.

Type of Construction MODULAR Number of Existing Dwellings on Property 1
 Total Acreage _____ Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 50 Side 100 Side 100 Rear 100
 Total Building Height 15' Number of Stories 1 Heated Floor Area 1643 ¹⁶²⁴ Roof Pitch 6-1

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

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

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

[Signature]
 Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Terri L. Andrews
 My Commission DD304069
 Expires March 25, 2008

Sworn to (or affirmed) and subscribed before me
 this 7 day of MARCH 2007

Personally known ☒ or Produced Identification _____

Contractor Signature
 Contractors License Number _____
 Competency Card Number _____
 NOTARY STAMP/SEAL

[Signature]
 Notary Signature

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: 3/14/2007 DATE ISSUED: 3/21/2007

ENHANCED 9-1-1 ADDRESS:

141 NW TAYLOR MCGEE PL
LAKE CITY FL 32055
PROPERTY APPRAISER PARCEL NUMBER:
30-2S-17-04800-000

Remarks:

PARENT PARCEL

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.


679

Approved Address

MAR 21 2007

911Addressing/GIS Dept

2006 FOR PROFIT CORPORATION ANNUAL REPORT

DOCUMENT # 127751 1. Entity Name J.C. MARSH & SONS, INC.					
Principal Place of Business 116 NW COLUMBIA AVE LAKE CITY, FL 32055 US			Mailing Address P.O. BOX 1029 LAKE CITY, FL 32056 US		
2. Principal Place of Business			3. Mailing Address		
Suite, Apt. #, etc.			Suite, Apt. #, etc.		
City & State			City & State		
Zip		Country	Zip		Country
4. FEI Number 59-6071316			Applied For <input type="checkbox"/> Not Applicable		
5. Certificate of Status Desired <input type="checkbox"/>			\$8.75 Additional Fee Required		
6. Name and Address of Current Registered Agent			7. Name and Address of New Registered Agent		
HALEY, WILLIAM J 116 NW COLUMBIA AVE LAKE CITY, FL 32055			Name Street Address (P.O. Box Number is Not Acceptable) City <div style="display: flex; justify-content: space-between;"> FL Zip Code </div>		
8. The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida. I am familiar with, and accept the obligations of registered agent.					
SIGNATURE _____ <small>Signature, typed or printed name of registered agent and title if applicable. (NOTE: Registered Agent signature required when reinstating)</small>					
FILE NOW!!! FEE IS \$150.00 After May 1, 2006 Fee will be \$350.00		9. Election Campaign Financing Trust Fund Contribution. <input type="checkbox"/>		\$5.00 May Be Added to Fees	
10. OFFICERS AND DIRECTORS			11. ADDITIONS/CHANGES TO OFFICERS AND DIRECTORS IN 11		
TITLE NAME STREET ADDRESS CITY-ST-ZIP	PD OOSTERHOUDT, F.S. III 186 SE NEWELL ST LAKE CITY, FL 32025	<input type="checkbox"/> Delete	TITLE NAME STREET ADDRESS CITY-ST-ZIP	<input type="checkbox"/> Change <input type="checkbox"/> Addition	
TITLE NAME STREET ADDRESS CITY-ST-ZIP	VD OOSTERHOUDT, PATRICK E RT 1 BOX 250 LAKE CITY, FL 32055	<input type="checkbox"/> Delete	TITLE NAME STREET ADDRESS CITY-ST-ZIP	<input type="checkbox"/> Change <input type="checkbox"/> Addition	
TITLE NAME STREET ADDRESS CITY-ST-ZIP	STD OOSTERHOUDT, MICHAEL E 1780 E DUVAL STREET #101 LAKE CITY, FL 32055	<input type="checkbox"/> Delete	TITLE NAME STREET ADDRESS CITY-ST-ZIP	<input type="checkbox"/> Change <input type="checkbox"/> Addition	
TITLE NAME STREET ADDRESS CITY-ST-ZIP		<input type="checkbox"/> Delete	TITLE NAME STREET ADDRESS CITY-ST-ZIP	<input type="checkbox"/> Change <input type="checkbox"/> Addition	
TITLE NAME STREET ADDRESS CITY-ST-ZIP		<input type="checkbox"/> Delete	TITLE NAME STREET ADDRESS CITY-ST-ZIP	<input type="checkbox"/> Change <input type="checkbox"/> Addition	
TITLE NAME STREET ADDRESS CITY-ST-ZIP		<input type="checkbox"/> Delete	TITLE NAME STREET ADDRESS CITY-ST-ZIP	<input type="checkbox"/> Change <input type="checkbox"/> Addition	
12. I hereby certify that the information supplied with this filing does not qualify for the exemptions contained in Chapter 119, Florida Statutes. I further certify that the information indicated on this report or supplemental report is true and accurate and that my signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears in Block 10 or Block 11 if changed, or on an attachment with an address, with all other like empowered.					
SIGNATURE: _____ <small>SIGNATURE AND TYPED OR PRINTED NAME OF SIGNING OFFICER OR DIRECTOR</small>					
				Date	Daytime Phone #

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 FS Oosterhout II, 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 _____

[Signature]
Owner Builder Signature Date 3/07/07

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



Notary Signature Terri L. Andrews Date 3/7/2007

(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 _____

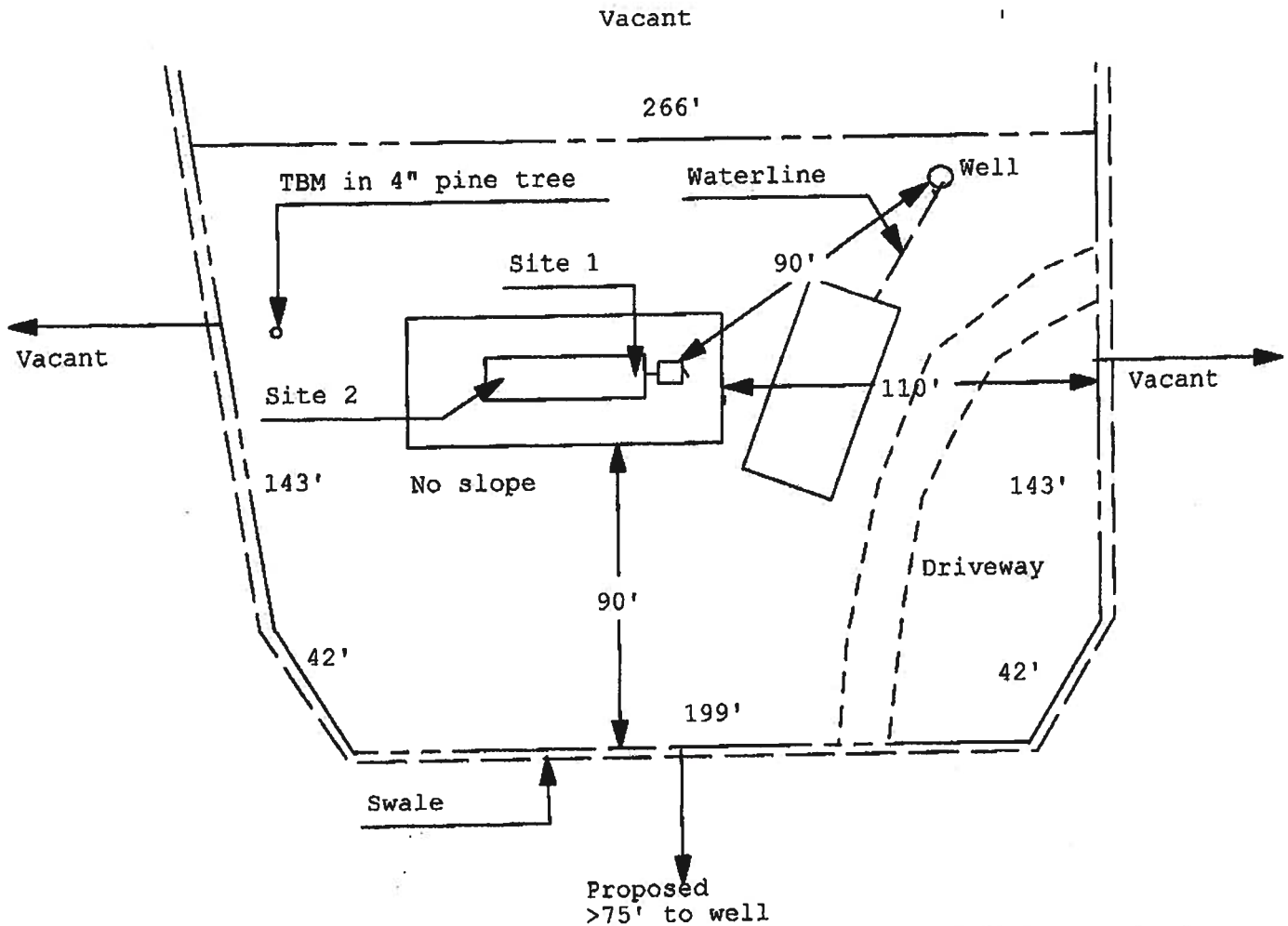
**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 07-257N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

OOSTERHOUDT/CR 06-3911

The Pines, Lot 17

North



1 inch = 50 feet

Site Plan Submitted By Paul L. L.

Plan Approved ☒

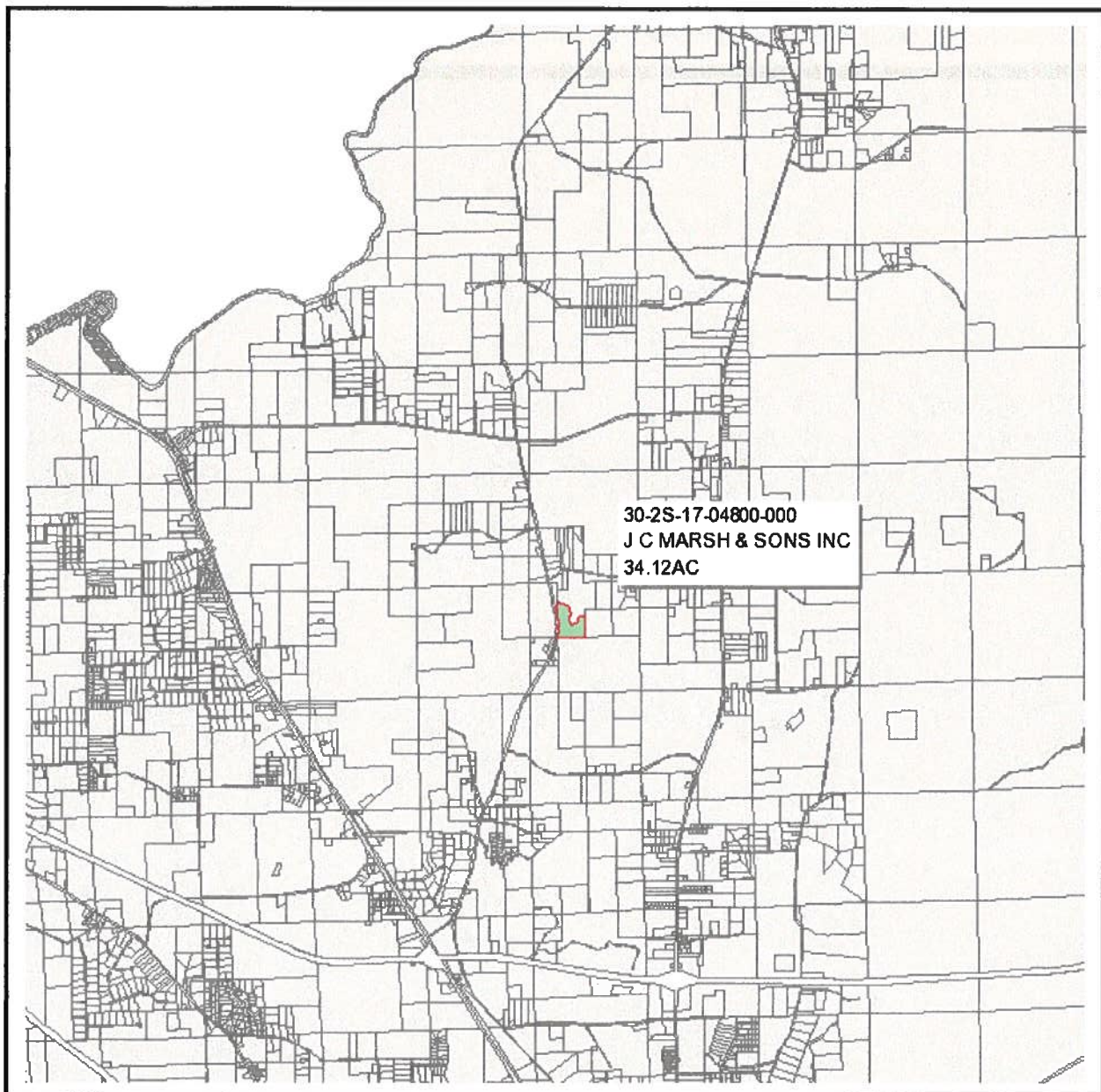
Not Approved ☐

Date 3/13/07

Date 3/28/07

By M. O. M. Columbia CPHU

Notes:



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 30-2S-17-04800-000 - TIMBERLAND (005700)

Name: J C MARSH & SONS INC	LandVal	\$0.00
Site: ---	BldgVal	\$0.00
Mail: P O BOX 252	ApprVal	\$4,606.00
LAKE CITY, FL 32056	JustVal	\$102,360.00
Sales	Assd	\$4,606.00
Info	Exmpt	\$0.00
	Taxable	\$4,606.00

0 0.6 1.2 1.8 mi



This information, GIS Map Updated: 2/5/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION

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.

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 30-25-17-04800-000

Permit Number _____

1. Description of property: (legal description of the property and street address or 911 address)

NW 1/4 OF NE 1/4 & E 1/2 OF NW 1/4

Inst:2007005592 Date:03/08/2007 Time:14:51

17 DC, P. DeWitt Cason, Columbia County B:1113 P:267

2. General description of improvement: HOUSE

3. Owner Name & Address SAM OSTERHOUDT DBA JCMARSH - ID#

Interest in Property _____

4. Name & Address of Fee Simple Owner (if other than owner): _____

5. Contractor Name SAM OSTERHOUDT Phone Number 754-9367

Address 186 SE NEWELL DR LC 32025

6. Surety Holders Name NONE Phone Number _____

Address _____

Amount of Bond _____

7. Lender Name NONE Phone Number _____

Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name SAM OSTERHOUDT Phone Number 754-9367

Address 186 SE NEWELL DR LAKE CITY, FL 32025

9. In addition to himself/herself the owner designates _____ of

_____ to receive a copy of the Lien Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee _____

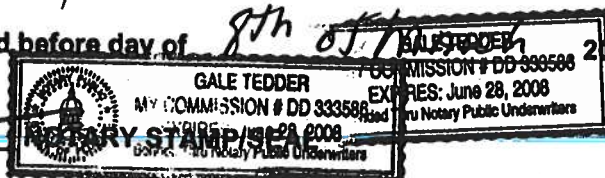
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) _____

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 8th 05/11/2007

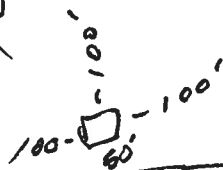
[Signature]
Signature of Notary



FALLING CREEK Rd.

1/2 mile south

MERSHON Rd



FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: TH-3FL & TH-F3FL	Builder: _____
Address: TH-3FL & TH-F3FL NORTH	Permitting Office: _____
City, State: _____	Permit Number: _____
Owner: _____	Jurisdiction Number: _____
Climate Zone: North	

<p>1. New construction or existing New _____</p> <p>2. Single family or multi-family Single family _____</p> <p>3. Number of units, if multi-family 1 _____</p> <p>4. Number of Bedrooms 3 _____</p> <p>5. Is this a worst case? Yes _____</p> <p>6. Conditioned floor area (ft²) 1624 ft² _____</p> <p>7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)</p> <p>a. U-factor: _____ Description Area _____</p> <p>(or Single or Double DEFAULT) 7a. (Dble Default) 40.0 ft² _____</p> <p>b. SHGC: _____</p> <p>(or Clear or Tint DEFAULT) 7b. (Clear) 99.0 ft² _____</p> <p>8. Floor types</p> <p>a. Raised Wood, Stem Wall R=11.0, 1624.0ft² _____</p> <p>b. N/A _____</p> <p>c. N/A _____</p> <p>9. Wall types</p> <p>a. Frame, Wood, Exterior R=19.0, 1126.0 ft² _____</p> <p>b. N/A _____</p> <p>c. N/A _____</p> <p>d. N/A _____</p> <p>e. N/A _____</p> <p>10. Ceiling types</p> <p>a. Under Attic R=30.0, 1624.0 ft² _____</p> <p>b. N/A _____</p> <p>c. N/A _____</p> <p>11. Ducts</p> <p>a. Sup: Unc. Ret: Unc. AH: Attic Sup. R=6.0, 150.0 ft _____</p> <p>b. N/A _____</p>	<p>12. Cooling systems</p> <p>a. Central Unit 45.0 kBtu/hr _____</p> <p>SEER: 13.00 _____</p> <p>b. N/A _____</p> <p>c. N/A _____</p> <p>13. Heating systems</p> <p>a. Electric Heat Pump Cap: 34.1 kBtu/hr _____</p> <p>HSFP: 6.80 _____</p> <p>b. N/A _____</p> <p>c. N/A _____</p> <p>14. Hot water systems</p> <p>a. Electric Resistance Cap: 50.0 gallons _____</p> <p>EF: 0.97 _____</p> <p>b. N/A _____</p> <p>c. Conservation credits</p> <p>(HR-Heat recovery, Solar</p> <p>DHP-Dedicated heat pump)</p> <p>15. HVAC credits PT, _____</p> <p>(CF-Ceiling fan, CV-Cross ventilation,</p> <p>HF-Whole house fan,</p> <p>PT-Programmable Thermostat,</p> <p>MZ-C-Multizone cooling,</p> <p>MZ-H-Multizone heating)</p>
--	--

SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.

Glass/Floor Area: 0.12

Total as-built points: 22336

Total base points: 24557

PASS

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

PREPARED BY: _____

DATE: 9/25/06

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. FRANCHI**

BUILDING OFFICIAL: _____

DATE: _____



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-3FL & TH-F3FL NORTH, , ,

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	1624.0	20.04	5858.1	Double, Clear	W	0.0	0.0	40.0	38.52	1.00	1541.0
				Double,U=0.48,Clear	E	0.0	0.0	114.0	43.92	1.00	5006.6
				Double,U=0.48,Clear	N	0.0	0.0	19.0	21.25	1.00	403.8
				Double,U=0.48,Clear	W	0.0	0.0	13.0	40.43	1.00	525.6
				Double,U=0.48,Clear	W	0.0	0.0	4.0	40.43	1.00	161.7
				Double,U=0.48,Clear	E	0.0	0.0	4.0	43.92	1.00	175.7
				As-Built Total:				194.0		7814.3	
WALL TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		19.0	1126.0	0.90	1013.4		
Exterior	1126.0	1.70	1914.2								
Base Total:		1126.0	1914.2	As-Built Total:		1126.0		1013.4			
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated			40.0	4.10	164.0		
Exterior	40.0	6.10	244.0								
Base Total:		40.0	244.0	As-Built Total:		40.0		164.0			
CEILING TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM X SCM = Points			
Under Attic	1624.0	1.73	2809.5	Under Attic		30.0	1624.0	1.73 X 1.00	2809.5		
Base Total:		1624.0	2809.5	As-Built Total:		1624.0		2809.5			
FLOOR TYPES				Area X BSPM = Points		Type	R-Value	Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall		11.0	1624.0	-1.90	-3085.6		
Raised	1624.0	-3.99	-6479.8								
Base Total:		-6479.8		As-Built Total:		1624.0		-3085.6			
INFILTRATION				Area X BSPM = Points				Area X SPM = Points			
		1624.0	10.21	16581.0				1624.0		10.21	16581.0

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

ADDRESS: TH-3FL & TH-F3FL NORTH, , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 20927.1				Summer As-Built Points: 25296.6						
Total Summer Points	X System Multiplier	=	Cooling 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	=	Cooling Points
20927.1	0.4266		8927.5	(sys 1: Central Unit 45000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 25297	1.00	(1.09 x 1.147 x 1.11)	0.263	0.950		8755.7
				25296.6	1.00	1.388	0.263	0.950		8755.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL 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	1624.0	12.74	3724.2	Double, Clear	W	0.0	0.0	40.0	20.73	1.00	829.1
				Double,U=0.48,Clear	E	0.0	0.0	114.0	7.72	1.00	879.9
				Double,U=0.48,Clear	N	0.0	0.0	19.0	13.32	1.00	253.1
				Double,U=0.48,Clear	W	0.0	0.0	13.0	9.51	1.00	123.7
				Double,U=0.48,Clear	W	0.0	0.0	4.0	9.51	1.00	38.1
				Double,U=0.48,Clear	E	0.0	0.0	4.0	7.72	1.00	30.9
				As-Built Total:							
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	19.0			1126.0	2.20	2477.2	
Exterior	1126.0	3.70	4166.2								
Base Total: 1126.0 4166.2				As-Built Total:				1126.0 2477.2			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	8.40	336.0	
Exterior	40.0	12.30	492.0								
Base Total: 40.0 492.0				As-Built Total:				40.0 336.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1624.0	2.05	3329.2	Under Attic	30.0			1624.0	2.05 X 1.00 3329.2		
Base Total: 1624.0 3329.2				As-Built Total:				1624.0 3329.2			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall	11.0			1624.0	1.20	1948.8	
Raised	1624.0	0.96	1559.0								
Base Total: 1559.0				As-Built Total:				1624.0 1948.8			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1624.0 -0.59 -958.2				1624.0 -0.59 -958.2							

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

ADDRESS: TH-3FL & TH-F3FL NORTH, , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		12312.4		Winter As-Built Points:				9287.8			
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
12312.4		0.6274	7724.8	(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Att(AH),R6.0 9287.8 1.000 (1.069 x 1.169 x 1.10) 0.501 0.950 6082.3 9287.8 1.00 1.375 0.501 0.950 6082.3							

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL NORTH, , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	50.0	0.97	3		1.00	2499.18
					As-Built Total:					7497.5

CODE COMPLIANCE STATUS

BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
8927		7725		7905	24557	8756		6082		7498	22336

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL 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 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* = 84.9

The higher the score, the more efficient the home.

, TH-3FL & TH-F3FL NORTH, , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 45.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft²)	1624 ft²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___		___
a. U-factor:	Description	Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default)	40.0 ft²	a. Electric Heat Pump	Cap: 34.1 kBtu/hr
b. SHGC:		___		HSPF: 6.80
(or Clear or Tint DEFAULT)	7b. (Clear)	99.0 ft²	b. N/A	___
8. Floor types		___	c. N/A	___
a. Raised Wood, Stem Wall	R=11.0, 1624.0ft²	___		___
b. N/A	___	___	14. Hot water systems	
c. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
9. Wall types		___		EF: 0.97
a. Frame, Wood, Exterior	R=19.0, 1126.0 ft²	___	b. N/A	___
b. N/A	___	___	c. Conservation credits	___
c. N/A	___	___	(HR-Heat recovery, Solar	___
d. N/A	___	___	DHP-Dedicated heat pump)	___
e. N/A	___	___	15. HVAC credits	PT, ___
10. Ceiling types		___	(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 1624.0 ft²	___	HF-Whole house fan,	
b. N/A	___	___	PT-Programmable Thermostat,	
c. N/A	___	___	MZ-C-Multizone cooling,	
11. Ducts		___	MZ-H-Multizone heating)	
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 v4.0)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

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

Project Name:

TH-3FL & TH-F3FL

Address:

TH-3FL & TH-F3FL CENTRAL

City, State:

,

Owner:

Climate Zone:

Central

Builder:

Permitting Office:

Permit Number:

Jurisdiction Number:

APPROVED

SEP 27 2006

HILBORN, WERNER, CARTER & ASSOC.

1. New construction or existing

New

2. Single family or multi-family

Single family

3. Number of units, if multi-family

1

4. Number of Bedrooms

3

5. Is this a worst case?

Yes

6. Conditioned floor area (ft²)

1624 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 Default) 40.0 ft²

b. SHGC:

(or Clear or Tint DEFAULT) 7b. (Clear) 99.0 ft²

8. Floor types

a. Raised Wood, Stem Wall

R=11.0, 1624.0ft²

b. N/A

c. N/A

9. Wall types

a. Frame, Wood, Exterior

R=19.0, 1126.0 ft²

b. N/A

c. N/A

d. N/A

e. N/A

10. Ceiling types

a. Under Attic

R=30.0, 1624.0 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: 45.0 kBtu/hr

SEER: 13.00

b. N/A

c. N/A

13. Heating systems

a. Electric Heat Pump

Cap: 34.1 kBtu/hr

HSPF: 6.80

b. N/A

c. N/A

14. Hot water systems

a. Electric Resistance

Cap: 50.0 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: 0.12

Total as-built points: 21441

Total base points: 23381

PASS

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

PREPARED BY: _____

DATE: _____

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: 9-27-06 Plan No. _____

BUILDING OFFICIAL: SCOTT S. FRANCIS

DATE: 2198-0007F

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 284.

EnergyGauge® (Version: FLRCSB v4.0)

Modular Building Plans Examiner
Florida License No. SMP-42

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL 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	1624.0	25.78	7536.0	Double, Clear	W	0.0	0.0	40.0	50.22	1.00	2008.8
				Double,U=0.48,Clear	E	0.0	0.0	114.0	57.38	1.00	6540.9
				Double,U=0.48,Clear	N	0.0	0.0	19.0	28.23	1.00	536.4
				Double,U=0.48,Clear	W	0.0	0.0	13.0	51.98	1.00	675.7
				Double,U=0.48,Clear	W	0.0	0.0	4.0	51.98	1.00	207.9
				Double,U=0.48,Clear	E	0.0	0.0	4.0	57.38	1.00	229.5
				As-Built Total:				194.0			10199.2
WALL TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	1126.0		1.00	1126.0
Exterior	1126.0	1.90	2139.4								
Base Total:				As-Built Total:				1126.0			1126.0
DOOR TYPES											
Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0		4.80	192.0
Exterior	40.0	4.80	192.0								
Base Total:				As-Built Total:				40.0			192.0
CEILING TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1624.0	2.13	3459.1	Under Attic			30.0	1624.0	2.13 X 1.00		3459.1
Base Total:				As-Built Total:				1624.0			3459.1
FLOOR TYPES											
Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			11.0	1624.0		-2.20	-3572.8
Raised	1624.0	-3.43	-5570.3								
Base Total:				As-Built Total:				1624.0			-3572.8
INFILTRATION											
Area X BSPM = Points								Area X SPM = Points			
	1624.0	14.31	23239.4					1624.0	14.31	23239.4	

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

ADDRESS: TH-3FL & TH-F3FL CENTRAL, , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 30995.7				Summer As-Built Points: 34643.0						
Total Summer Points	X System Multiplier	= Cooling 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	= Cooling Points	
30995.7	0.4266	13222.7		(sys 1: Central Unit 45000 btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 34643	1.00	(1.09 x 1.150 x 1.10)	0.262	0.950	11870.5	
				34643.0	1.00	1.375	0.262	0.950	11870.5	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL 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	1624.0	5.86	1713.0	Double, Clear	W	0.0	0.0	40.0	9.55	1.00	381.8
				Double,U=0.48,Clear	E	0.0	0.0	114.0	3.98	1.00	453.3
				Double,U=0.48,Clear	N	0.0	0.0	19.0	6.03	1.00	114.5
				Double,U=0.48,Clear	W	0.0	0.0	13.0	4.66	1.00	60.6
				Double,U=0.48,Clear	W	0.0	0.0	4.0	4.66	1.00	18.6
				Double,U=0.48,Clear	E	0.0	0.0	4.0	3.98	1.00	15.9
				As-Built Total:				194.0			1044.9
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			19.0	1126.0	1.10		1238.6
Exterior	1126.0	2.00	2252.0								
Base Total: 1126.0 2252.0				As-Built Total:				1126.0			1238.6
DOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	5.10		204.0
Exterior	40.0	5.10	204.0								
Base Total: 40.0 204.0				As-Built Total:				40.0			204.0
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1624.0	0.64	1039.4	Under Attic			30.0	1624.0	0.64 X 1.00		1039.4
Base Total: 1624.0 1039.4				As-Built Total:				1624.0			1039.4
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall			11.0	1624.0	0.50		812.0
Raised	1624.0	-0.20	-324.8								
Base Total: -324.8				As-Built Total:				1624.0			812.0
INFILTRATION Area X BWPM = Points							Area X WPM = Points				
	1624.0	-0.28	-454.7					1624.0	-0.28		-454.7

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

ADDRESS: TH-3FL & TH-F3FL CENTRAL, , ,

PERMIT #:

BASE			AS-BUILT						
Winter Base Points: 4428.8			Winter As-Built Points: 3884.1						
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	
4428.8	0.6274	2778.7	(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Att(AH),R6.0 3884.1 1.000 (1.078 x 1.160 x 1.11) 0.502 0.950 2570.6 3884.1 1.00 1.388 0.502 0.950 2570.6						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL CENTRAL, , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit	= Total Multiplier
3		2460.00	7380.0	50.0	0.97	3	1.00	2333.20	1.00 6999.6
				As-Built Total:					6999.6

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
13223		2779		7380 23381	11871		2571		7000 21441

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL 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* = 85.3

The higher the score, the more efficient the home.

, TH-3FL & TH-F3FL CENTRAL, , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 45.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1624 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: 34.1 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 40.0 ft ²	___		HSPF: 6.80
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 99.0 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Raised Wood, Stem Wall	R=11.0, 1624.0 ft ²	___	a. Electric Resistance	Cap: 50.0 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, 1126.0 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, 1624.0 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.

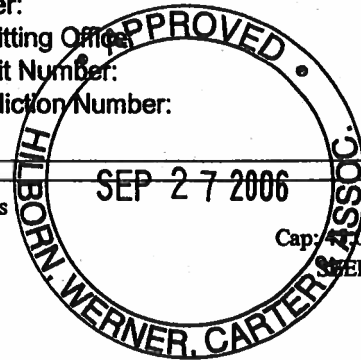
¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **TH-3FL & TH-F3FL**
Address: **TH-3FL & TH-F3FL SOUTH**
City, State: ,
Owner:
Climate Zone: **South**

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 | 3 | — |
| 5. Is this a worst case? | Yes | — |
| 6. Conditioned floor area (ft²) | 1624 ft² | — |
| 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) | | — |
| a. U-factor: | Description Area | |
| (or Single or Double DEFAULT) | 7a. (Dble Default) | 40.0 ft² |
| b. SHGC: | | |
| (or Clear or Tint DEFAULT) | 7b. (Clear) | 99.0 ft² |
| 8. Floor types | | |
| a. Raised Wood, Stem Wall | R=11.0, 1624.0ft² | — |
| b. N/A | | — |
| c. N/A | | — |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=19.0, 1126.0 ft² | — |
| b. N/A | | — |
| c. N/A | | — |
| d. N/A | | — |
| e. N/A | | — |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 1624.0 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: 42.0 kBtu/hr | — |
| | SEER: 13.00 | — |
| b. N/A | | — |
| c. N/A | | — |
| 13. Heating systems | | |
| a. Electric Heat Pump | Cap: 34.1 kBtu/hr | — |
| | HSPF: 6.80 | — |
| b. N/A | | — |
| c. N/A | | — |
| 14. Hot water systems | | |
| a. Electric Resistance | Cap: 50.0 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: 0.12 Total as-built points: 23485
Total base points: 26396

PASS

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

PREPARED BY: _____

DATE: 9/27/06

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 9-27-06 Plan No. _____
BUILDING OFFICIAL By SCOTT S. FRANCIS

DATE: _____ 2198-0007F



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-3FL & TH-F3FL SOUTH, , ,

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	1624.0	32.50	9500.4	Double, Clear	E	0.0	0.0	40.0	68.60	1.00	2743.9
				Double,U=0.48,Clear	W	0.0	0.0	114.0	64.08	1.00	7305.5
				Double,U=0.48,Clear	S	0.0	0.0	19.0	60.89	1.00	1157.0
				Double,U=0.48,Clear	E	0.0	0.0	13.0	70.94	1.00	922.2
				Double,U=0.48,Clear	E	0.0	0.0	4.0	70.94	1.00	283.8
				Double,U=0.48,Clear	W	0.0	0.0	4.0	64.08	1.00	256.3
				As-Built Total:				194.0		12668.7	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	19.0			1126.0	1.60		1801.6
Exterior	1126.0	2.70	3040.2								
Base Total:		1126.0	3040.2	As-Built Total:		1126.0			1801.6		
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.0	6.40		256.0
Exterior	40.0	6.40	256.0								
Base Total:		40.0	256.0	As-Built Total:		40.0			256.0		
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1624.0	2.80	4547.2	Under Attic	30.0			1624.0	2.77 X 1.00		4498.5
Base Total:		1624.0	4547.2	As-Built Total:		1624.0			4498.5		
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	0.0(p)	0.0	0.0	Raised Wood, Stern Wall	11.0			1624.0	-0.60		-974.4
Raised	1624.0	-2.16	-3507.8								
Base Total:			-3507.8	As-Built Total:		1624.0			-974.4		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
		1624.0	18.79			1624.0			18.79		30515.0

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

ADDRESS: TH-3FL & TH-F3FL SOUTH, , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 44350.9				Summer As-Built Points: 48765.3						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.07 x 1.165 x 1.08)	X System Multiplier	X Credit Multiplier	=	Cooling Points
44350.9	0.4266		18920.1	48765	1.00	1.350	0.262	0.950		16405.7
				(sys 1: Central Unit 45000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)						
				48765.3	1.00	1.350	0.262	0.950		16405.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL SOUTH, , ,

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 = Points				
.18	1624.0	2.36	689.9	Double, Clear	E	0.0	0.0	40.0	3.30	1.00	132.0
				Double,U=0.48,Clear	W	0.0	0.0	114.0	2.09	1.00	238.6
				Double,U=0.48,Clear	S	0.0	0.0	19.0	1.27	1.00	24.0
				Double,U=0.48,Clear	E	0.0	0.0	13.0	1.43	1.00	18.6
				Double,U=0.48,Clear	E	0.0	0.0	4.0	1.43	1.00	5.7
				Double,U=0.48,Clear	W	0.0	0.0	4.0	2.09	1.00	8.4
				As-Built Total:				194.0	427.3		
WALL TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		19.0		1126.0	0.30		337.8
Exterior	1126.0	0.60	675.6								
Base Total:		1126.0	675.6	As-Built Total:				1126.0			337.8
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated		40.0		1.80			72.0
Exterior	40.0	1.80	72.0								
Base Total:		40.0	72.0	As-Built Total:		40.0					72.0
CEILING TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM X WCM = Points	
Under Attic	1624.0	0.10	162.4	Under Attic		30.0		1624.0	0.10 X 1.00		162.4
Base Total:		1624.0	162.4	As-Built Total:		1624.0					162.4
FLOOR TYPES				Area X BWPM = Points		Type		R-Value		Area X WPM = Points	
Slab	0.0(p)	0.0	0.0	Raised Wood, Stem Wall		11.0		1624.0	0.00		0.0
Raised	1624.0	-0.28	-454.7								
Base Total:		-454.7		As-Built Total:		1624.0					0.0
INFILTRATION				Area X BWPM = Points				Area X WPM = Points			
		1624.0	-0.06					1624.0	-0.06		-97.4

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

ADDRESS: TH-3FL & TH-F3FL SOUTH, , ,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points: 1047.7				Winter As-Built Points: 902.0							
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)							
				(sys 1: Electric Heat Pump 34100 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Att(AH),R6.0 902.0 1.000 (1.099 x 1.137 x 1.14) 0.501 0.950 612.1 902.0 1.00 1.425 0.501 0.950 612.1							
1047.7	0.6274	657.3		902.0	1.00	1.425	0.501	0.950	612.1		

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

ADDRESS: TH-3FL & TH-F3FL SOUTH, , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms			Total						Credit = Total
3		2273.00	6819.0	50.0	0.97	3		1.00	2155.83
									1.00
									6467.5
				As-Built Total:					6467.5

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	Cooling	+	Heating	+	Hot Water
Points		Points		Points	Points		Points		Points
=				Total	=				Total
Points				Points	Points				Points
18920		657		6819	16406		612		6468
				26396					23485

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: TH-3FL & TH-F3FL 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* = 85.7

The higher the score, the more efficient the home.

, TH-3FL & TH-F3FL SOUTH, , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 45.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1624 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: 34.1 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 40.0 ft ²	___		HSPF: 6.80
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 99.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Raised Wood, Stem Wall	R=11.0, 1624.0ft ²	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A	___	___		EF: 0.97
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=19.0, 1126.0 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, 1624.0 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 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.

PRODUCT APPROVAL

TOWNHOMES, LLC
MODEL NUMBER: TH-3FL
HWC NUMBER: 2198-0007F

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	DWENS 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

Job 37041	Truss HM584503	Truss Type HINGE MONO	Qty 1	Ply 1	TOWNHOMES 216 0801-01 2161253
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Universal Forest Products Inc., Grand Rapids, MI 49525, Travis Wells

6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Aug 03 09:30:18 2006 Page 1/2

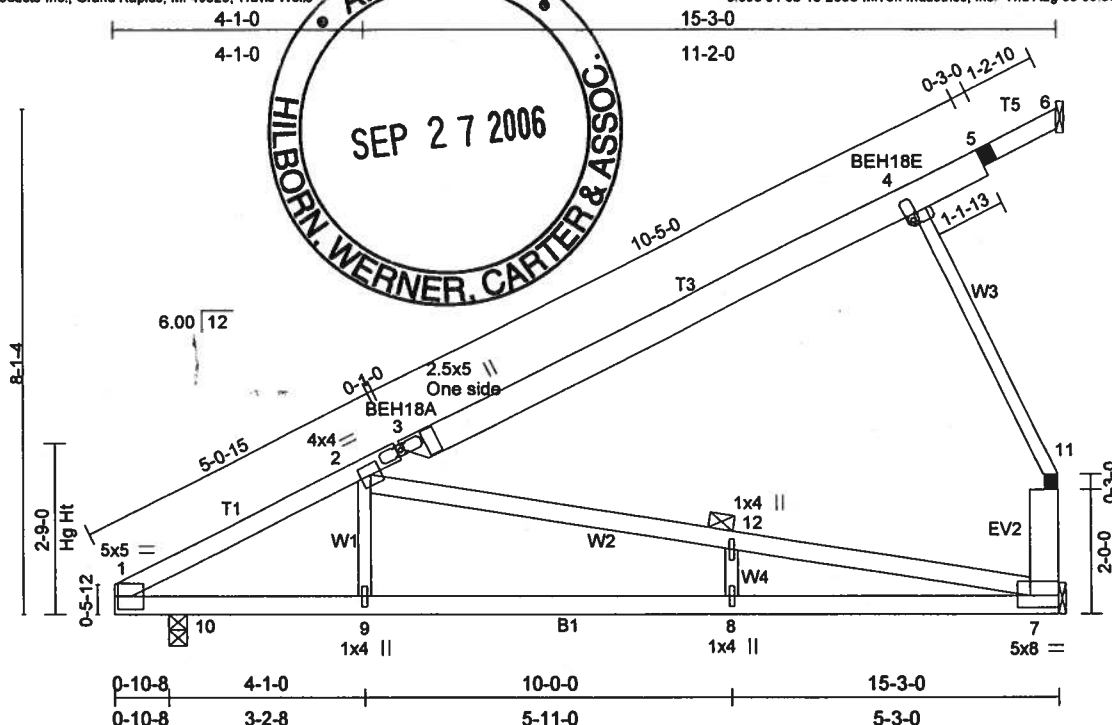


Plate Offsets (X,Y): [1:0-0-11,0-2-8], [3:0-0-5,0-0-0], [3:0-1-8,0-4-8], [4:0-0-11,0-1-2], [7:Edge,0-2-4]

SPACING: 2-0-0 LOADING (psf) TCLL 18.0 (Ground Snow=20.0) TCDL 7.0 BCLL 10.0 BCDL 7.0	SPACING: 1-4-0 LOADING (psf) TCLL 27.0 (Ground Snow=30.0) TCDL 10.5 BCLL 15.0 BCDL 10.5	SPACING 2-0-0 Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2003/TPI2002	CSI TC 0.88 BC 0.95 WB 0.59 (Matrix)	DEFL in (loc) I/defl I/d Vert(LL) -0.40 7-8 >418 240 Vert(TL) -0.82 8-9 >272 180 Horz(TL) -0.03 7 n/a n/a	PLATES GRIP MT20 197/144 M118 141/138 Weight: 65 lb
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LUMBER
TOP CHORD 2 X 4 SPF No.2 *Except*
T3 2 X 6 SPF No.2
BOT CHORD 2 X 4 SPF No.2
WEBS 2 X 3 SPF Stud *Except*
W2 2 X 4 SPF No.2, EV2 2 X 6 SPF Stud

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 11, 12

REACTIONS (lb/size) 7=474/Mechanical, 6=0/Mechanical, 10=585/0-3-8
Max Horz 6=105(load case 8), 10=596(load case 8)
Max Uplift 7=699(load case 8), 10=553(load case 8)
Max Grav 7=503(load case 3), 10=623(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-847/549, 2-3=-288/8, 3-4=-291/71, 4-5=-102/95, 5-6=-59/104, 7-11=-275/609
BOT CHORD 1-10=-383/701, 9-10=-1068/660, 8-9=-1068/660, 7-8=-1068/660
WEBS 2-9=-372/70, 2-12=-563/806, 7-12=-575/794, 4-11=-303/671, 8-12=0/81

REQUIRED FIELD JOINT CONNECTIONS - Maximum Compression (lb)/ Maximum Tension (lb)/ Maximum Shear (lb)/ Maximum Moment (lb-in)
5=74/102/68/0, 11=303/671/281/0

NOTES

- 1) Wind: ASCE 7-02; 130mph @24in o.c.; h=30ft; TCDL=2.8psf; BCDL=2.8psf; Category II; Exp C; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Wind: ASCE 7-02; 159mph @16in o.c.; h=30ft; TCDL=4.2psf; BCDL=4.2psf; Category II; Exp C; enclosed; MWFRS gable end and C-C Exterior(2) zone; cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) TCLL: ASCE 7-02; Pg=20.0 psf (ground snow); Ps=18.0 psf (roof snow); Category II; Exp C; Partially Exp.; Ct= 1; IBC 1607.11.2 minimum roof live load applied where required.
- 4) Roof design snow load has been reduced to account for slope.
- 5) Unbalanced snow loads have been considered for this design.
- 6) This truss has been designed as per IBC Sect. 1605.3.1.1 Load reduction, for multiple live loads.
- 7) All plates are MT20 plates unless otherwise indicated.
- 8) See BEH18 DETAILS for plate placement.
- 9) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
- 10) All additional member connections shall be provided by others for forces as indicated.
- 11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 699 lb uplift at joint 7 and 553 lb uplift at joint 10.
- 12) This truss is designed in accordance with the 2003 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
- 13) This truss has been designed to meet the 2003 IBC Section 2308.10.7.1; 2003 IRC R802.10.2
- 14) Based on HM584501. Revision: Increased KP gap.

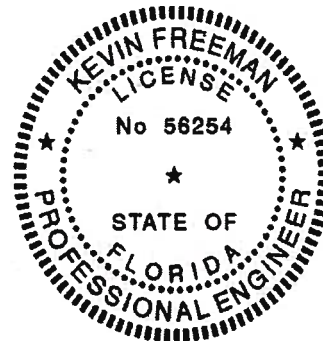


WARNING - Verify design parameters and READ NOTES

This building component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under section 2.3 of TPI1-2002. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-03 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\Mitek\Supp\templates\wfp.tpe© copyright 2006 by: Universal Forest Products, Inc.



Job 37041	Truss HM584503	Truss Type HINGE MONO	Qty 1	Ply 1	TOWNHOMES 216 0801-01 2161253
Universal Forest Products Inc., Grand Rapids, MI 49525, Travis Wells			6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Aug 03 09:30:18 2006 Page 2/2		



August 3, 2006



WARNING - Verify design parameters and READ NOTES

This building component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under section 2.3 of TP11-2002. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-03 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719. J:\support\MitekSupp\templates\wfp.tpe© copyright 2006 by: Universal Forest Products, Inc.

Universal Forest Products, Inc. 2801 EAST BELTLINE RD, NE
PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49505





ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING

September 27, 2006
TownHomes, LLC
133 S.E. Newell Drive
Lake City, Fl. 32056

Manufacturer: TownHomes, LLC
Size & Occupancy: TH-3FL 29'0" X 56'0", R-3
HWC Plan#: 2198-0007F

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 2005 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

COLUMBIA COUNTY OFFICIAL CERTIFICATE

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 30-2S-17-04800-000

Building permit No. 000025665

Use Classification MODULAR/UTILITY

Fire: 33.48

Permit Holder SAM OOSTERHOUDT

Waste: 100.50

Owner of Building SAM OOSTERHOUDT/J.C MARSH & SONS, INCAL

133.98

Location: 141 NW TAYLOR MCGEE PLACE, LAKE CITY, FL

Date: 04/20/2007

Stacy Strick

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)