

DATE 03/12/2010

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000028413

APPLICANT ANGELA TOWNS PHONE 719-5598

ADDRESS 122 NW OAK LEAF GLEN LAKE CITY FL 32055

OWNER GARY TOWNS PHONE 867-2027

ADDRESS 122 NW OAKLEAF GLEN LAKE CITY FL 32055

CONTRACTOR BILL HARPER PHONE 623-3873

LOCATION OF PROPERTY 90W, TR ON CR 250, TL MOSSE OAK WAY, TL OAK LEAF
GLEN, 1ST LOT ON RIGHT

TYPE DEVELOPMENT MODULAR ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA 3416.00 TOTAL AREA HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 23-3S-16-02270-056 SUBDIVISION OAKS AT WOODBOROUGH

LOT 6 BLOCK PHASE UNIT TOTAL ACRES 0.51

000001796 RR2811402 Angela Towns

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

CULVERT 10-0021 BK HD Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 10

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 Insulation
date/app. by date/app. by

Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by

Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by

Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by

Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by

Reconnection RV 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 \$ 350.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 44.94 WASTE FEE \$ 117.25

FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 612.19

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."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Notice of Treatment

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

Address: 536 SE Baya Dr Phone 386-752-1703

City Lake City

Site Location: Subdivision _____

Lot # _____ Block# _____

Permit # 28413

Address mossy ct

Product used

Active Ingredient

% Concentration

☒ Premise

Imidacloprid

0.1%

☐ Termidor

Fipronil

0.12%

☐ Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☐ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Garage & Partition wall

750

204

66

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

If this notice is for the final exterior treatment, initial this line _____

4-13-10
Date

4:36
Time

F082 B.H.
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

Columbia County Building Permit Application

CK 10

For Office Use Only Application # 1002-34 Date Received 2/19/10 By G Permit # 28413 / 1796

Zoning Official BLK Date 12.03.10 Flood Zone X Land Use Res. Low Dens. Zoning RSF-2

FEMA Map # N/A Elevation N/A MFE 1st Sub R River N/A Plans Examiner LD Date 3-9-10

Comments NOC EP Deed or PA Site Plan State Road Info Parent Parcel #

Dev Permit # In Floodway WELL LETTER of Auth. from Contractor

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL N/A Suspended VF

Septic Permit No. 10-0021 949155 Fax

Name Authorized Person Signing Permit Angela Towns Phone 719-5598

Address 122 NW OAK LEAF GLEN, Lake City, FL 32055

Owners Name Gary C Towns Phone 386-867-2027

911 Address 122 NW OAKLEAF GLN Lake City Florida 32055

Contractors Name W. L. Harper Construction Phone 386-623-3873

Address 119 SW Hobby Pl. Lake City Fl 32055

Fee Simple Owner Name & Address Gary C Towns 133 Se Newell Rd Lake City Fl 32055

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address

Mortgage Lenders Name & Address N/A

Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Progress Energy

Property ID Number 23-3S-16-02270-056 Estimated Cost of Construction 180,000

Subdivision Name Oaks At Woodborough Lot 6 Block Unit Phase

Driving Directions

Hwy 90 to Lake Jeffrey Rd (CR 250) - Turn left on Mosse Oak Way - Turn left on Oak Leaf Gln - 1st lot on right

 Number of Existing Dwellings on Property 0

Construction of DCA Modular Home Total Acreage 0.51 Lot Size

Do you need a - Culvert Permit or Culvert Waiver or I have an Existing Drive Total Building Height 28-6

Actual Distance of Structure from Property Lines - Front Side 58 Rear 36 34

Number of Stories 1 Heated Floor Area 3016 Total Floor Area 3416 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 6-19-09

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.


NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU 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 WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.


NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

✓ 
Owners Signature

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

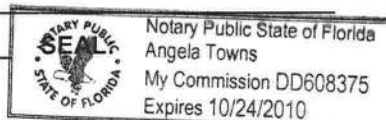
CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.


Contractor Signature (Permitee)

License Number RR222811402
Columbia County
Competency Card Number 000258

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 19th day of February 2010
Personally known ✓ or Produced Identification


State of Florida Notary Signature (For the Contractor)





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

LETTER OF AUTHORIZATION TO SIGN FOR PERMITS

I, WILLIAM L. HARPER (license holder name), licensed qualifier
for W.L. HARPER CONSTRUCTION (company name), do certify that
the below referenced person(s) listed on this form is/are contracted/hired by me, the license
holder, or is/are employed by me directly or through an employee leasing arrangement; or, is an
officer of the corporation; or, partner as defined in Florida Statutes Chapter 468, and the said
person(s) is/are under my direct supervision and control and is/are authorized to purchase
permits, call for inspections and sign on my behalf.

Printed Name of Person Authorized	Signature of Authorized Person
1. <u>Angela Towns</u>	1. <u>Angela Towns</u>
2.	2.
3.	3.
4.	4.
5.	5.

I, the license holder, realize that I am responsible for all permits purchased, and all work done
under my license and fully responsible for compliance with all Florida Statutes, Codes, and
Local Ordinances. I understand that the State and County Licensing Boards have the power and
authority to discipline a license holder for violations committed by him/her, his/her agents,
officers, or employees and that I have full responsibility for compliance with all statutes, codes
and ordinances inherent in the privilege granted by issuance of such permits.

If at any time the person(s) you have authorized is/are no longer agents, employee(s), or
officer(s), you must notify this department in writing of the changes and submit a new letter of
authorization form, which will supersede all previous lists. Failure to do so may allow
unauthorized persons to use your name and/or license number to obtain permits.

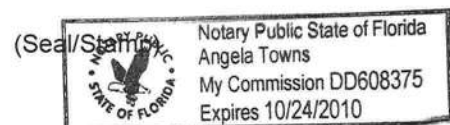
William L. Harper License Holders Signature (Notarized) RR282811402 License Number 2/19/2010 Date

NOTARY INFORMATION:

STATE OF: Florida COUNTY OF: Columbia

The above license holder, whose name is William L. Harper,
personally appeared before me and is known by me or has produced identification
(type of I.D.) Florida Driver's License on this 15th day of February, 2010.

Angela Towns
NOTARY'S 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: 1/11/2010 DATE ISSUED: 1/13/2010

ENHANCED 9-1-1 ADDRESS:

122 NW OAK LEAF GLN

LAKE CITY FL 32055


PROPERTY APPRAISER PARCEL NUMBER:

23-3S-16-02270-056

Remarks:

LOT 6 OAKS AT WOODBOROUGH

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.

1619



STATE OF FLORIDA
DEPARTMENT OF HEALTH

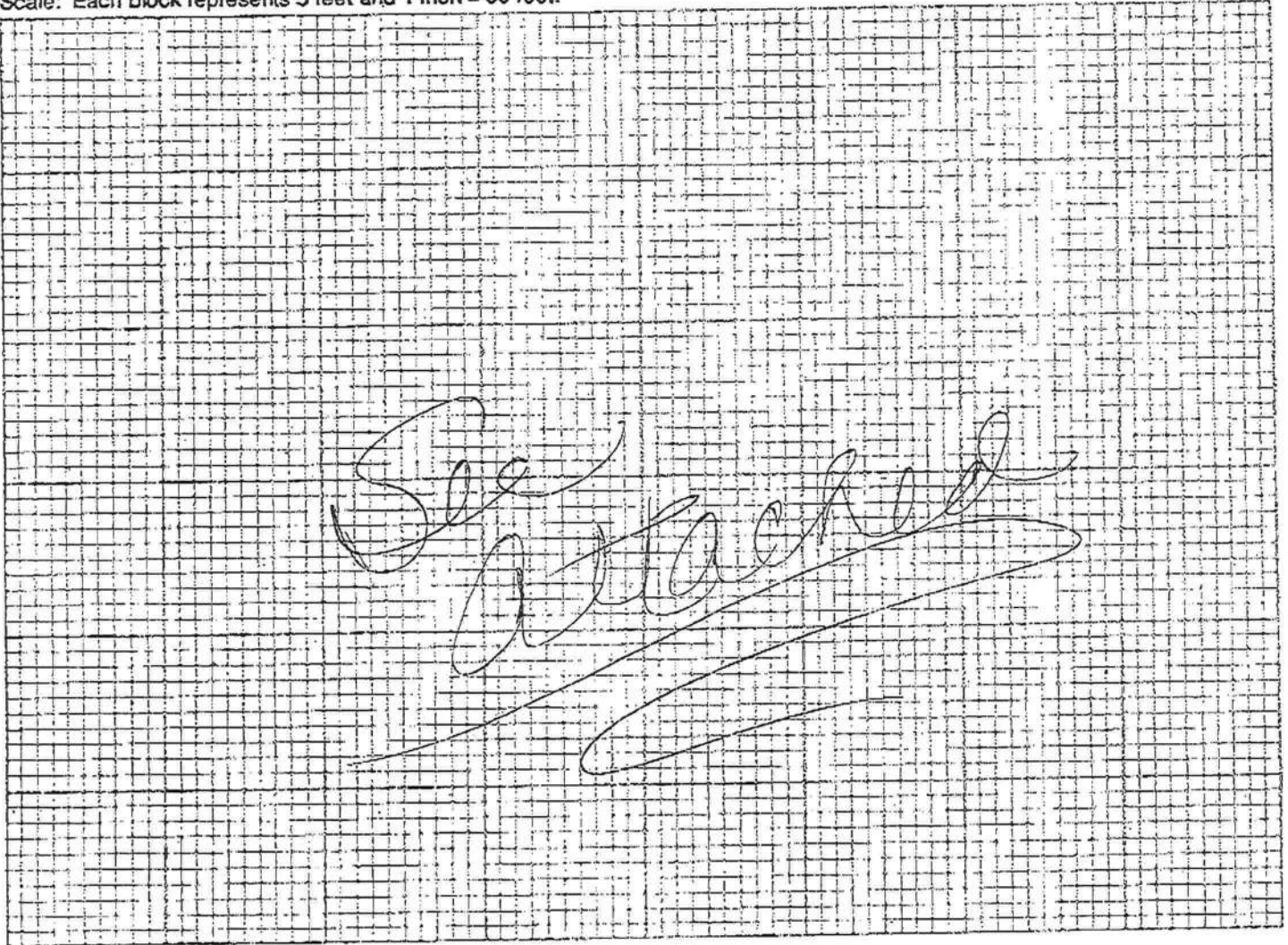
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

10-0021

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

Site Plan submitted by:

Roland L. Sardis

Signature

1/18/10

Agent

Title

Plan Approved ☒

Not Approved

Date

1/26/10

By

[Signature]

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



Jan. 26 2010 04:50PM P1

10.002



SCALE 1 = 30

Owner: Gary Towns

PIN# 23-3S-16-02270-056

911 Address: 122 NW OAK LEAF CIRCLE

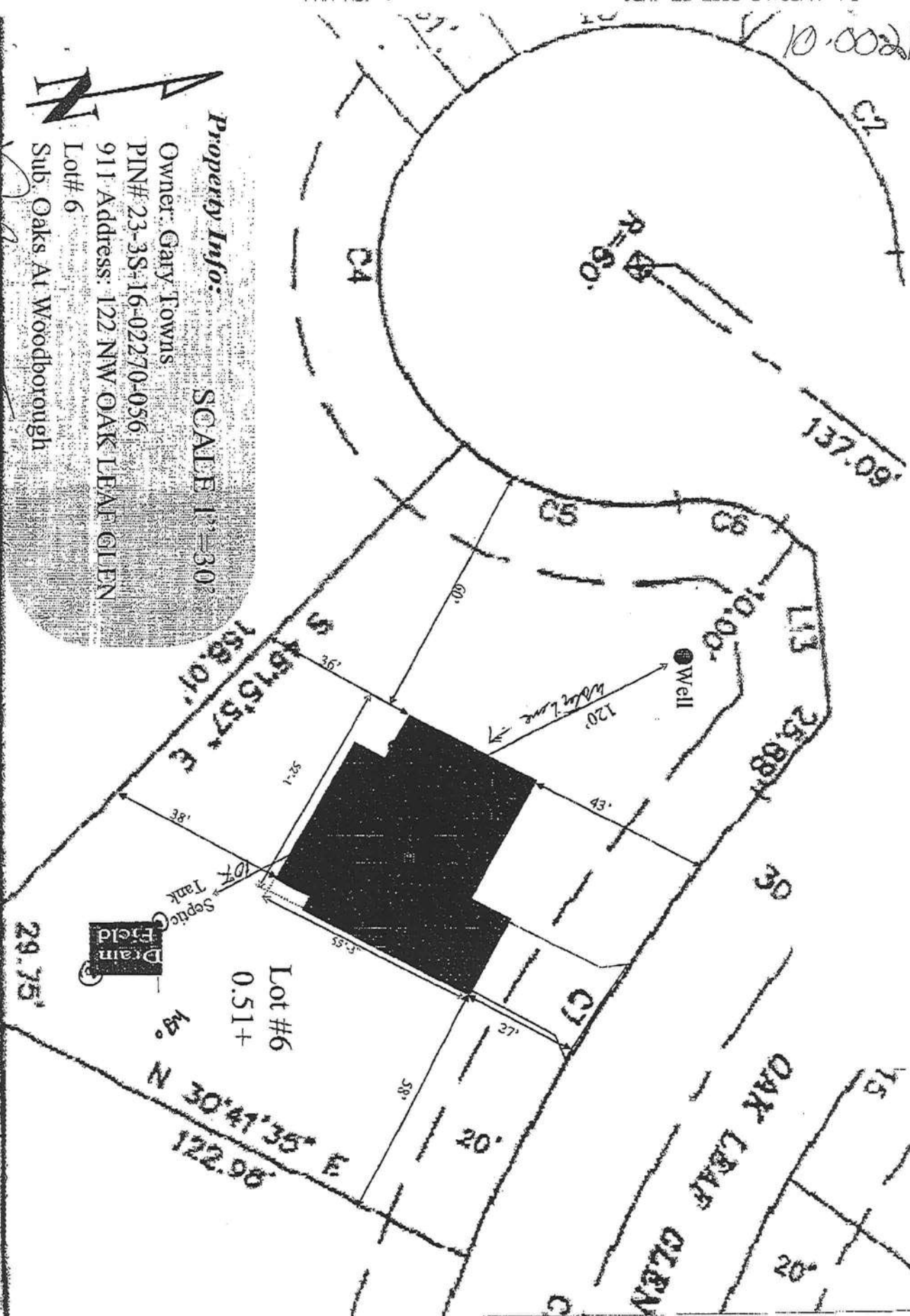
Lot# 6

Sub. Oaks. At Woodborough

Robert Todd 1/18/10

1/20/10
JF

APPROVE



Columbia County Property Appraiser

DB Last Updated: 1/28/2010

2009 Tax Year

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 23-3S-16-02270-056

<< Prev

Search Result: 6 of 64

Next >>

Owner & Property Info

Owner's Name	TOWNS GARY C & SUE B		
Site Address			
Mailing Address	615 NW HARRIS LAKE DR LAKE CITY, FL 32055		
Use Desc. (code)	VACANT (000000)		
Neighborhood	023316.00	Tax District	2
UD Codes	MKTA06	Market Area	06
Total Land Area	0.510 ACRES		
Description	LOT 6 OAKS AT WOODBOROUGH. WD 1186-2079		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$22,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$22,000.00

Just Value	\$22,000.00
Class Value	\$0.00
Assessed Value	\$22,000.00
Exemptions	\$0.00
Total Taxable Value	County: \$22,000.00 City: \$22,000.00 Other: \$22,000.00 School: \$22,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
12/30/2009	1186/2079	WD	V	Q	01	\$25,000.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	0000001.000 LT - (0000000.510AC)	1.00/1.00/1.00/1.00	\$22,000.00	\$22,000.00

Columbia County Property Appraiser

DB Last Updated: 1/28/2010

<< Prev

6 of 64

Next >>



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

LC

SSO 019008451
S/B/C 1/22/10

10-0021
PERMIT NO. 949155
DATE PAID: 1/19/10
FEE PAID: 423.00
RECEIPT #: 122521

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary

APPLICANT: GARY TOWNS Gateway Developers of Lake City LLC

AGENT: Roland L Tardif

TELEPHONE: 386-867-2027

MAILING ADDRESS: 133 SE Newell RD Lake City Fla 32025

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(a) OR 489.552, FLORIDA STATUTES.

PROPERTY INFORMATION

LOT: 6 BLOCK: SUBDIVISION: oaks at woodborough PLATTED: 2007

PROPERTY ID #: 23-35-16-02270-056 ZONING: I/M OR EQUIVALENT: ☒ Y ☒ N

PROPERTY SIZE: 0.51 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ <=2000GPD ☐ >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, PS? ☒ Y ☒ N DISTANCE TO SEWER: 120 FT

PROPERTY ADDRESS: 122 NW OAK LEAF BL Lake City Fla 32055

DIRECTIONS TO PROPERTY: (CR250) West on Lake Jeffery RD to oak leaf on left Property on left corner oak leaf BLN.

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	House	4	3016	
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify)

SIGNATURE: Roland L Tardif

DATE: 1/18/10

K & W Well Drilling Inc.

P.O. Box 621

Ft. White, FL 32038

386-454-1635

(Fax) 386-454-5350

Reference: Well information for Gary Towns

Well Size: 4"

Pump Size: 1hp

Tank: 82 gallon equivalent

Cycle Stop: 50 psi/25 gpm

If you need any additional information, you can reach me at the number listed above.

Kim Mamuzich

This Instrument Prepared By:
Michael H. Harrell
Abstract & Title Services, Inc.
PO Box 7173
Lake City, Florida 32055

ATS# 2-17791

Inst: 200912021720 Date: 12/31/2009 Time: 10:20 AM
Doc Stamp-Deed 175.00
DC, P DeWitt, Cason, Columbia County Page 1 of 2 B: 1186 P: 2079

GENERAL WARRANTY DEED

Limited Liability Company to Individual

THIS WARRANTY DEED made this 30th day of December, 2009, Gateway Developers of Lake City, LLC, A Florida Limited Liability Company, hereinafter called the grantor, to Gary C. Towns, and his wife, Sue B. Towns whose post office address is: 615 NW Harris Lake Drive, Lake City, FL 32055 hereinafter called the grantee:

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

WITNESSETH that the Grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the Grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# R02270-056

LOT 6, OAKS AT WOODBOROUGH, A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 9, PAGES 43-45, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

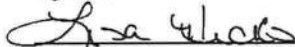
TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

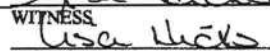
TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2008.

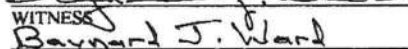
IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:


WITNESS


PRINTED NAME


WITNESS


PRINTED NAME

Gateway Developers of Lake
City, LLC

By: 
Daniel Crapps, Managing Member

STATE OF FLORIDA


COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 30th day of December, 2009 by Daniel Crapps as Managing Member of Gateway Developers of Lake City, LLC personally known to me or, if not personally known to me, who produced PK for identification and who did not take an oath.

(SEAL)



VERA LISA HICKS
Notary Public, State of Florida
My Comm. Expires Aug. 23, 2010
Comm. No. 0058090


NOTARY PUBLIC

My Commission Expires: 8-23-10

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Lisa Hicks
WITNESS

Lisa Hicks
PRINTED NAME

John R. Adams
WITNESS

John R. Adams
PRINTED NAME

Gateway Developers of Lake
City, LLC

By: *Thomas H. Eagle*
Thomas H. Eagle, Managing Member

STATE OF FLORIDA

COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 30th day of December, 2009 by Thomas H. Eagle as Managing Member of Gateway Developers of Lake City, LLC personally known to me or, if not personally known to me, who produced *PK* for identification and who did not take an oath.

(SEAL)

Vera Lisa Hicks
NOTARY PUBLIC

My Commission Expires:

8-23-10



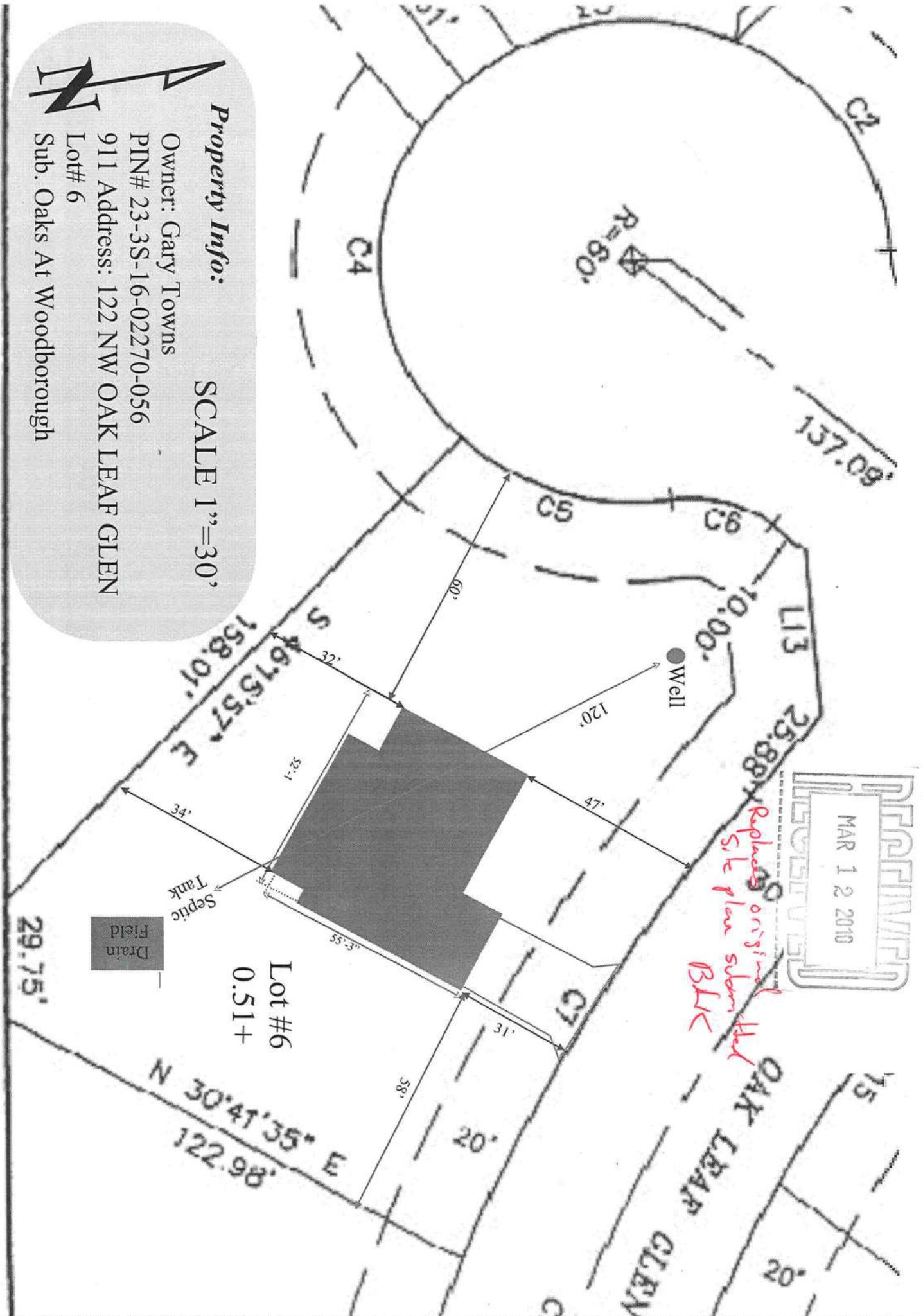
VERA LISA HICKS
Notary Public, State of Florida
My Comm. Expires Aug. 23, 2010
Comm. No. DD 568090



Property Info:

SCALE 1"=30'

Owner: Gary Towns
PIN# 23-3S-16-02270-056
911 Address: 122 NW OAK LEAF GLEN
Lot# 6
Sub. Oaks At Woodborough





Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

11 March 2010

Angela Towns
122 Northwest Oak Leaf Glen
Lake City, FL 32055

RE: Building Permit Application 1002-34, Gary C. Towns

Dear Ms. Towns:

The above referenced building permit application for a modular home is located within the Oaks At Woodborough Subdivision. The recorded plat requires the setback to be 30 feet from the front and 15 feet from the side and rear property lines. Lot 6 is somewhat odd in shape and has 2 fronts, 2 side and 1 rear property lines. The application and site plan submitted shows the distance from the north front property line along SW Oak Leaf Glen to be 27 feet. I have enclosed a copy of a portion of the recorded plat showing the setback requirements. If the property owners wish to leave the modular home as indicated on the application, a letter from the developer stating that they approve the variance from 30 feet to 27 feet. If the property owners wish to reconfigure the modular home, a new site plan will need to be submitted showing such with the required setback distance.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Kepner".

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Enclosure

DO HEREBY JOIN IN AND MAKE THEMSELVES A PARTY OF THE DEDICATION OF THE LANDS DESCRIBED IN THE FOREGOING DEED TO WOODBOROUGH "FOR THE LANDS AND PLAT TO BE KNOWN AS "OAKS AT WOODBOROUGH" FOR THE AND PURPOSES HEREON EXPRESSED AND THAT ANY ROADS, STREETS AND EASEMENTS ARE HEREBY DEDICATED TO THE PERPETUAL USE OF THE PUBLIC.

Shamshad Khan

Harvey D. Devane
HARVEY D. DEVANE
TRUSTEE OF HARVEY D. DEVANE LIVING TRUST
1371 5TH INGLEWOOD AVE.
LAKE CITY, FLORIDA 32025
(386) 752-0761

Mary Frances
MARY FRANCES I EVANE
TRUSTEE OF HARVEY D
1371 SE INGLEWOOD AV
LAKE CITY, FLORIDA 32
(386) 752-0761

WITNESS Dea Harts (386) 752-0761

WITNESS Dea (386) 752-0761

WITNESS

I HEREBY CERTIFY ON THIS 7 DAY OF Sept A.D. 2011
BEFORE ME PERSONALLY APPEARED HARVEY D. DEVANE AND MARY FRANC
DEVANE, TO ME KNOWN TO BE THE INDIVIDUALS DESCRIBED IN AND WHO
THE FOREGOING DEDICATION AND THEY ACKNOWLEDGE EXECUTION THEREO

WITNESS MY HAND AND SEAL AT LIVE OAK, STATE OF FLORIDA,
THIS 3RD DAY OF SEPTEMBER, A.D. 2007

NOTARY PUBLIC, STATE OF FLORIDA

MY COMMISSION EXPIRES: _____

CERTIFICATE OF APPROVAL BY THE BOA
COUNTY COMMISSIONERS OF COLUMBIA C

Elizabeth W. Porter
CHAIRMAN

CLERK'S CERTIFICATE:

THIS PLAT HAVING BEEN APPROVED BY THE COLUMBIA COUNTY BO
COUNTY COMMISSIONERS IS ACCEPTED FOR FILES AND RECORDED
THIS 17 DAY OF October, 2007, IN PLAT BOOK
PAGES 43-44-45

SIGNED: _____

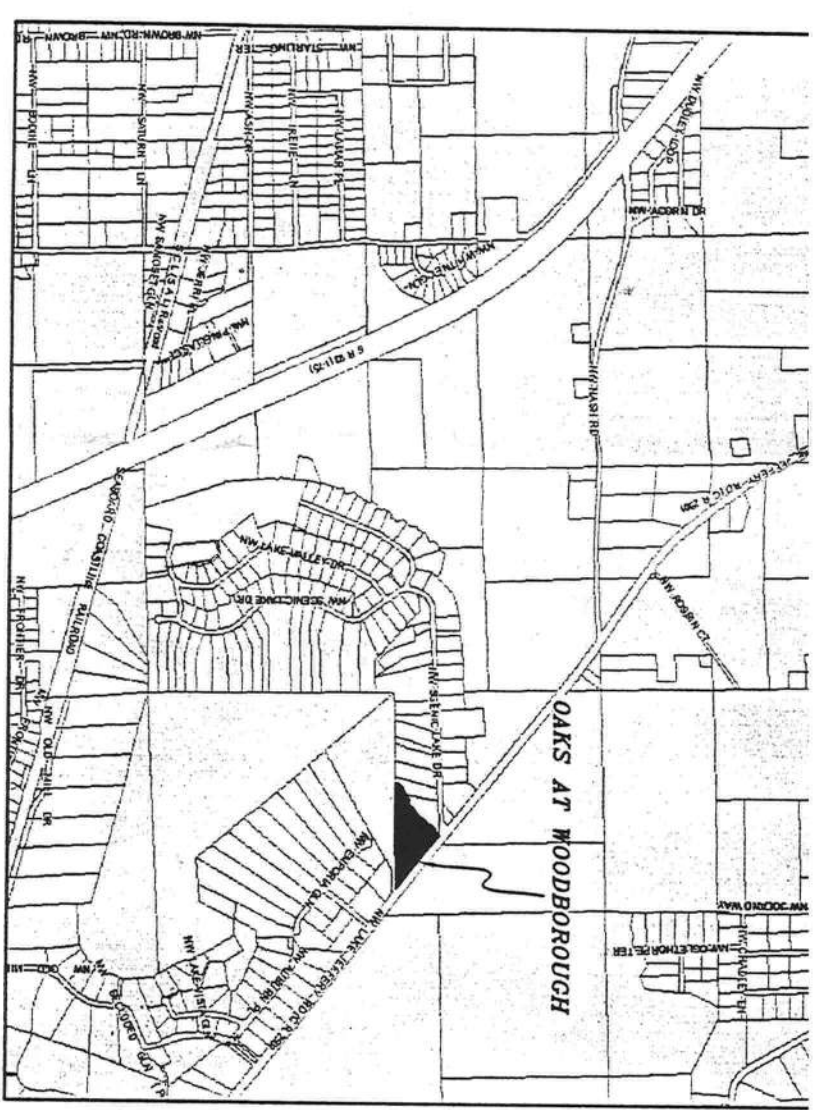
CERTIFICATE OF SUBDIVIDER'S ENGINEER:

THIS IS TO CERTIFY THAT ON THIS 10th OF September
~~Chowhee~~ Williams REGISTERED FLORIDA ENGINEER, AS SPECIFIED IN
471, FLORIDA STATUTES, LICENSE NO. 6314, DOES HEREBY CERTIFY
REQUIRED IMPROVEMENTS HAVE BEEN INSTALLED IN COMPLIANCE WITH
APPROVED CONSTRUCTION PLANS AND IF APPLICABLE, ANY SUBMITTALS
BLUEPRINTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE BOARD
COMMISSIONERS OF COLUMBIA COUNTY, FLORIDA.

REGISTERED FLORIDA ENGINEER

REGISTERED FLORIDA ENGINEER

SCALE: 1" = 60'	DATE SURVEYED: 07-13-07
REVISED:	APPROVED BY:



SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR

William L Harper

PHONE

386 623 3873

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL <i>Good</i>	Print Name <u>Michael Conner</u> License #: <u>ER 13013192</u> <u>234</u>	Signature <u>Michael B. Conner</u> Phone #: <u>(386) 965-9005</u>
MECHANICAL/A/C <i>Good</i>	Print Name <u>David Hall</u> <u>568</u> License #: <u>CACO 57424</u>	Signature <u>David Hall</u> Phone #: <u>386-755-9792</u>
PLUMBING/GAS <i>Good</i>	Print Name <u>Cody Bavis</u> <u>715</u> License #: <u>CFC 1427145</u>	Signature <u>Cody Bavis</u> Phone #: <u>(386) 623-0505</u>
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
<i>Good</i> MASON			
CONCRETE FINISHER	<u>644</u>	<u>Rick Holland</u>	<u>Rick Holland</u>
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Inst: 201012002525 Date: 2/19/2010 Time: 2:13 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1189 P: 1041

NOTICE OF COMMENCEMENT

Stamp or Seal

Tax Parcel Identification Number 23-3S-16-02270-056

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): Oaks At Woodborough lot #6
a) Street (job) Address: 122 NW OAKLEAF GLN Lake City Florida 32055
2. General description of improvements: DCA Modular Home
3. Owner Information
a) Name and address: Gary C Towns 133 Se Newell Rd Lake City Fl 32055
b) Name and address of fee simple titleholder (if other than owner) _____
c) Interest in property _____
4. Contractor Information W. L. Harper Construction
a) Name and address: 119 SW Hobby Pl. Lake City Fl 32055
b) Telephone No.: 386-623-3873 Fax No. (Opt.) _____
5. Surety Information
a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
a) Name and address: _____
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: _____
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: _____
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): _____

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.

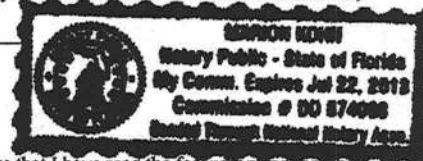
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Gary C Towns
Signature
Gary C Towns
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 19th day of Feb, 2010, by:
Gary Towns 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 Marion Kohn Notary Stamp or Seal:



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 in it are true to the best of my knowledge and belief.

Gary C Towns
Signature of Natural Person Signing (in line #10 above.)

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001796**

DATE 03/12/2010 PARCEL ID # 23-3S-16-02270-056

APPLICANT ANGELA TOWNS PHONE 719-5598

ADDRESS 133 SE NEWELL RD LAKE CITY FL 32055

OWNER GARY TOWNS PHONE 867-2027

ADDRESS 122 NW OAK LEAF GLEN LAKE CITY FL 32055

CONTRACTOR BILL HARPER PHONE 623-3873

LOCATION OF PROPERTY 90W, TR ON CR 250, TL MOSSE OAK WAY, TL OAK LEAF GLEN,
1ST LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT OAKS AT WOOD 6

SIGNATURE

Angela Towns

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Numbers
1. EXTERIOR DOORS			
A. SWINGING	Therma Tru Corporation	steel, fiberglass exterior doors	FL 1170
B. SLIDING	Mt Home Products	aluminum frame sliding glass doors	FL 561
C. SECTIONAL/ROLL UP	Clopay Building Products	RST4, RST6, W3&W4 garage doors	FL542/FL549
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Better Built	740 series aluminum frame single hung	FL 663
B. HORIZONTAL SLIDER	PGT Industries	HS 201 aluminum horizontal rollers	FL 1844
C. CASEMENT	PGT Industries	CA 640 aluminum casement windows	FL 1900
D. FIXED	Better Built	740 series aluminum frame transom & special	FL 676
E. MULLION	Better Built	740 series aluminum mull bars	FL 987
F. SKYLIGHTS	Velux-America Inc.	fixed, clad & venting skylights	FL 1825
G. OTHER	Hy-Lite Products Inc.	AGB fixed transom	FL 2025
3. PANEL WALL			
A. SIDING	CertaInteed/James Hardie	cement siding	FL 1573/FL 889
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK	Pittsburgh Coming Inc.	glass block with mortar	FL 1363
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Owens Corning	30 Oakridge Architectural shingles	FL 85
B. NON-STRUCT METAL	Unico	26/29 Gauge Metal Roofing	
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER	Warrior	15# and 30# felt	FL 2346
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	Simpson Strong Tie	fasteners, connectors, straps, lintel straps,	FL474/FL538/FL1901 FL2355/FL2361/FL230 FL2304/FL1725/FL142 FL1463 FL1218/1218/FL503/
B. WOOD ANCHORS	Simpson Strong Tie	epoxy, sleeve anchors, wedge anchors,	FL402
C. TRUSS PLATES	Alpine Engineered Products	structural truss plates	FL 1999
D. INSULATION FORMS			
E. LINTELS			
F. OTHER	ENGINEERED WOOD	LVL'S, LAMINATED WOOD	FL1392, FL1844, FL1655
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the Inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

2/10/10
DATE



ENGINEERING • INSPECTIONS
CERTIFICATIONS • TESTING

December 7, 2007
TownHomes, LLC.
133 S.E. Newell Drive
Lake City, FL 32056

RE: Manufacturer: TownHomes, Inc.
S/N Size & Occupancy TH-2R 29'-0" X 52'-0" R-3
HWC Plan#: 1R-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 2005/06/07 supplement, as noted on the approved drawings, subject to the following limitations:

1. Approval covers factory-built structure only (Note: Any alterations to factory built structure on site voids state approval)
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

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 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 **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) 234.0 ft² —
b. SHGC:
(or Clear or Tint DEFAULT) 7b. (SHGC=0.27) 234.0 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, 2690.0 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: 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)



Glass/Floor Area: 0.12

Total as-built points: 33859

Total base points: 35986

PASS

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

PREPARED BY: _____

DATE: 12/11/07

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 12-07-2007 (IR-298-001)

BUILDING OFFICIAL: Approved By **SCOTT S. FRANCIS**

DATE: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5.2)

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 Ornt Len Hgt			Area X SPM X SOF = Points			
.18	2834.0	30.53	15574.0	1.Double,U=0.34,SHGC=0.27	E	0.0	0.0	66.0	26.64	1.00	1757.0
				2.Double,U=0.34,SHGC=0.27	E	0.0	0.0	24.0	26.64	1.00	639.0
				3.Double, Clear	E	0.0	0.0	13.4	68.60	1.00	919.0
				4.Double,U=0.34,SHGC=0.27	W	0.0	0.0	66.0	23.87	1.00	1575.0
				5.Double,U=0.34,SHGC=0.27	W	0.0	0.0	12.0	23.87	1.00	286.0
				6.Double,U=0.38,Clear	W	0.0	0.0	80.0	64.97	1.00	5197.0
				7.Double,U=0.34,SHGC=0.27	S	0.0	0.0	66.0	22.60	1.00	1491.0
				As-Built Total:			327.4		11864.0		
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			2690.0	1.60	4304.0	
Exterior	2690.0	2.70	7263.0								
Base Total:				2690.0			7263.0				
				As-Built Total:			2690.0 4304.0				
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	60.0			6.40	384.0		
Exterior	60.0	6.40	384.0								
Base Total:				60.0			384.0				
				As-Built Total:			60.0 384.0				
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			-3257.3				
				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: 77437.0				Summer As-Built Points: 73376.8						
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
77437.0	0.3250		25167.0	(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 73377 1.00 0.260 0.950 24468.4 73376.8 1.00 1.350 0.260 0.950 24468.4						

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 Floor Area				Overhang Type/SC Ornt Len Hgt Area X WPM X WOF = Points							
.18	2834.0	3.60	1836.0	1.Double,U=0.34,SHGC=0.27	E	0.0	0.0	66.0	1.51	1.00	99.0
				2.Double,U=0.34,SHGC=0.27	E	0.0	0.0	24.0	1.51	1.00	36.0
				3.Double, Clear	E	0.0	0.0	13.4	3.30	1.00	44.0
				4.Double,U=0.34,SHGC=0.27	W	0.0	0.0	66.0	1.79	1.00	118.0
				5.Double,U=0.34,SHGC=0.27	W	0.0	0.0	12.0	1.79	1.00	21.0
				6.Double,U=0.38,Clear	W	0.0	0.0	80.0	1.55	1.00	123.0
				7.Double,U=0.34,SHGC=0.27	S	0.0	0.0	66.0	1.45	1.00	95.0
				As-Built Total: 327.4 536.0							
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	2690.0	0.30	807.0
Exterior	2690.0	0.60	1614.0								
Base Total:	2690.0		1614.0	As-Built Total: 2690.0 807.0							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				60.0	1.80		108.0
Exterior	60.0	1.80	108.0								
Base Total:	60.0		108.0	As-Built Total: 60.0 108.0							
CEILING TYPES Area X BWPM = Points				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:	1508.0		150.8	As-Built Total: 1508.0 150.8							
FLOOR TYPES Area X BWPM = Points				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:			-422.2	As-Built Total: 1508.0 -150.8							
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
	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: 3116.5			Winter As-Built Points: 1281.0						
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	
3116.5	0.5540	1726.6	(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Att(AH),R6.0 1281.0 1.000 (1.099 x 1.137 x 1.14)0.443 0.950 767.7 1281.0 1.00 1.425 0.443 0.950 767.7						

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: TH-2R SOUTH, , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier
4		2273.00	9092.0	50.0	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
25167		1727		9092 35986	24468		768		8623 33859

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* = 87.3

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) 234.0 ft ²	___		HSPF: 7.70
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (SHGC=0.27) 234.0 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: 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, 2690.0 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 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 v4.5.2)

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	

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) 234.0 ft²	14. Hot water systems	
b. SHGC: (or Clear or Tint DEFAULT) 7b. (SHGC=0.27) 234.0 ft²	a. Electric Resistance	Cap: 50.0 gallons EF: 0.97
8. Floor types	b. N/A	
a. Raised Wood, Stem Wall R=19.0, 1508.0ft²	c. N/A	
b. N/A	15. HVAC credits	
c. N/A	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, —
9. Wall types		
a. Frame, Wood, Exterior R=19.0, 2690.0 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. Supply, Return, AH: Attic Sup. R=6.0, 150.0 ft		
b. N/A		

Glass/Floor Area: 0.12

Total as-built points: 30553

Total base points: 33827

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: 12/14/07

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

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: Date 12-07-07 Plan No. 1R 2196-00121
Approved By SCOTT S. FRANCIS

DATE: _____

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.5.2)

[Signature]
Modular Building Plans Examiner
Florida License No. SMP-42

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,SHGC=0.27	W	0.0	0.0	66.0	19.47	1.00	1285.0
				2.Double,U=0.34,SHGC=0.27	W	0.0	0.0	24.0	19.47	1.00	467.0
				3.Double, Clear	W	0.0	0.0	13.4	50.22	1.00	672.0
				4.Double,U=0.34,SHGC=0.27	E	0.0	0.0	66.0	21.67	1.00	1430.0
				5.Double,U=0.34,SHGC=0.27	E	0.0	0.0	12.0	21.67	1.00	260.0
				6.Double,U=0.38,Clear	E	0.0	0.0	80.0	58.00	1.00	4639.0
				7.Double,U=0.34,SHGC=0.27	N	0.0	0.0	66.0	9.79	1.00	646.0
				As-Built Total:				327.4	9399.0		
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		2690.0	1.00	2690.0		
Exterior	2690.0	1.90	5111.0								
Base Total:				As-Built Total:		2690.0		2690.0			
DOOR TYPES											
Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			60.0	4.80	288.0		
Exterior	60.0	4.80	288.0								
Base Total:				As-Built Total:		60.0		288.0			
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: 56414.1				Summer As-Built Points: 53429.2						
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 1.150 x 1.10)	X System Multiplier	X Credit Multiplier	=	Cooling Points
56414.1	0.3250		18334.6	53429	1.00	(1.09 x 1.150 x 1.10)	0.260	0.950		18146.6
				53429.2	1.00	1.375	0.260	0.950		18146.6

(sys 1: Central Unit 48000btuh , SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)

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,SHGC=0.27	W	0.0	0.0	66.0	4.38	1.00	289.0		
				2.Double,U=0.34,SHGC=0.27	W	0.0	0.0	24.0	4.38	1.00	105.0		
				3.Double, Clear	W	0.0	0.0	13.4	9.55	1.00	127.0		
				4.Double,U=0.34,SHGC=0.27	E	0.0	0.0	66.0	4.10	1.00	270.0		
				5.Double,U=0.34,SHGC=0.27	E	0.0	0.0	12.0	4.10	1.00	49.0		
				6.Double,U=0.38,Clear	E	0.0	0.0	80.0	2.56	1.00	204.0		
				7.Double,U=0.34,SHGC=0.27	N	0.0	0.0	66.0	4.93	1.00	325.0		
				As-Built Total:				327.4				1369.0	
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		2690.0	1.10	2959.0				
Exterior	2690.0	2.00	5380.0										
Base Total:				2690.0		5380.0		As-Built Total:				2690.0	2959.0
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points								
Adjacent	0.0	0.00	0.0	1.Exterior Insulated			60.0	5.10	306.0				
Exterior	60.0	5.10	306.0										
Base Total:				60.0		306.0		As-Built Total:				60.0	306.0
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: 10203.0				Winter As-Built Points: 5258.0									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Heating Points
10203.0		0.5540	5652.5	(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Att(AH),R6.0 5258.0 1.000 (1.078 x 1.160 x 1.11)0.443 0.950 3073.2 5258.0 1.00 1.388 0.443 0.950 3073.2									

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	Credit
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier	=
Bedrooms										Total
4		2460.00		9840.0	50.0	0.97	4	1.00	2333.20	1.00
					As-Built Total:					9332.8

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
18335		5652		9840		33827	18147		3073
							9333		30553

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* = 87.2

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) 234.0 ft ²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (SHGC=0.27) 234.0 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: 50.0 gallons
b. N/A		b. N/A	EF: 0.97
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=19.0, 2690.0 ft ²	DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	PT,
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 1508.0 ft ²	MZ-H-Multizone heating)	
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			

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 v4.5.2)

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 NORTH	Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	North		

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 (ft ²)	2834 ft ²	_____
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, U=0.3)	234.0 ft ² _____
b. SHGC:		_____
(or Clear or Tint DEFAULT)	7b. (SHGC=0.27)	234.0 ft ² _____
8. Floor types		_____
a. Raised Wood, Stem Wall	R=19.0, 1508.0ft ²	_____
b. N/A		_____
c. N/A		_____
9. Wall types		_____
a. Frame, Wood, Exterior	R=19.0, 2690.0 ft ²	_____
b. N/A		_____
c. N/A		_____
d. N/A		_____
e. N/A		_____
10. Ceiling types		_____
a. Under Attic	R=30.0, 1508.0 ft ²	_____
b. N/A		_____
c. N/A		_____
11. Ducts		_____
a. Sup: Un Ret: On AH: Attic	Sup. R=6.0, 150.0 ft	_____
b.		_____

SEE MANUFACTURER'S CONTRACT
WITH FLORIDA DCA.

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: 50.0 gallons	_____
	EF: 0.97	_____
b. N/A		_____
c. Conservation credits		_____
(HR-Heat recovery, Solar		_____
DHP-Dedicated heat pump)		_____
15. HVAC credits		_____
(CF-Ceiling fan, CV-Cross ventilation,		_____
HF-Whole house fan,		_____
PT-Programmable Thermostat,		_____
MZ-C-Multizone cooling,		_____
MZ-H-Multizone heating)		_____

APPROVED.

DEC 07 2007

HILLBORN, WERNER, CARTER & ASSOCIATES, P.C.

PT, _____

Glass/Floor Area: 0.12

Total as-built points: 30338

Total base points: 36735

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.

**BUILDING OFFICIAL:**

DATE:

Date 12-07-07 Plan No. IR 2198-0212F
Approved By SCOTT S. FRANCIS

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

EnergyGauge® (Version: FLRCSB v4.5.2)

Modular Building Plans Examiner

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 Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2834.0	18.59	9483.0	1.Double,U=0.34,SHGC=0.27	W	0.0	0.0	66.0	14.95	1.00	986.0
				2.Double,U=0.34,SHGC=0.27	W	0.0	0.0	24.0	14.95	1.00	358.0
				3.Double, Clear	W	0.0	0.0	13.4	38.52	1.00	516.0
				4.Double,U=0.34,SHGC=0.27	E	0.0	0.0	66.0	16.38	1.00	1080.0
				5.Double,U=0.34,SHGC=0.27	E	0.0	0.0	12.0	16.38	1.00	196.0
				6.Double,U=0.38,Clear	E	0.0	0.0	80.0	44.55	1.00	3563.0
				7.Double,U=0.34,SHGC=0.27	N	0.0	0.0	66.0	7.13	1.00	470.0
				As-Built Total:		327.4			7169.0		
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		2690.0	0.90		2421.0	
Exterior	2690.0	1.70	4573.0								
Base Total:				As-Built Total:		2690.0			2421.0		
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	60.0 4.10 246.0						
Exterior	60.0	6.10	366.0								
Base Total:				As-Built Total:		60.0			246.0		
CEILING TYPES Area X BSPM = Points				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:				As-Built Total:		1508.0			2608.8		
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	-1.50		-2262.0	
Raised	1508.0	-3.99	-6016.9								
Base Total:				As-Built Total:		1508.0			-2262.0		
INFILTRATION Area X BSPM = Points				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: 39949.1				Summer As-Built Points: 39118.0							
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	
				(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)							
39949.1	0.3250		12983.4	39118	1.00	(1.09 x 1.147 x 1.11)	0.260	0.950		13408.7	
				39118.0	1.00	1.388	0.260	0.950		13408.7	

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,SHGC=0.27	W	0.0	0.0	66.0	9.67	1.00	638.0	
				2.Double,U=0.34,SHGC=0.27	W	0.0	0.0	24.0	9.67	1.00	232.0	
				3.Double, Clear	W	0.0	0.0	13.4	20.73	1.00	277.0	
				4.Double,U=0.34,SHGC=0.27	E	0.0	0.0	66.0	8.93	1.00	589.0	
				5.Double,U=0.34,SHGC=0.27	E	0.0	0.0	12.0	8.93	1.00	107.0	
				6.Double,U=0.38,Clear	E	0.0	0.0	80.0	4.44	1.00	355.0	
				7.Double,U=0.34,SHGC=0.27	N	0.0	0.0	66.0	11.25	1.00	742.0	
				As-Built Total:			327.4			2940.0		
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			2690.0	2.20	5918.0		
Exterior	2690.0	3.70	9953.0									
Base Total:				2690.0			9953.0			As-Built Total:		5918.0
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				60.0	8.40	504.0		
Exterior	60.0	12.30	738.0									
Base Total:				60.0			738.0			As-Built Total:		504.0
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:				1508.0			3091.4			As-Built Total:		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:				1447.7			1508.0			As-Built Total:		1206.4
INFILTRATION Area X BWPM = Points							Area X WPM = Points					
							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: 23847.0			Winter As-Built Points: 11987.7					
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
23847.0	0.5540	13211.2	(sys 1: Electric Heat Pump 51000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Att(AH),R6.0 11987.7 1.000 (1.069 x 1.169 x 1.10)0.443 0.950 6932.8 11987.7 1.00 1.375 0.443 0.950 6932.8					

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

ADDRESS: TH-2R NORTH, , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit = Total Multiplier
4		2635.00	10540.0	50.0	0.97	4	1.00	2499.18	1.00 9996.7
				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
12983		13211		10540 36735	13409		6933		9997 30338

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.2

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) 234.0 ft ²		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (SHGC=0.27) 234.0 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: 50.0 gallons
b. N/A		b. N/A	EF: 0.97
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=19.0, 2690.0 ft ²	DHP-Dedicated heat pump)	
b. N/A		15. HVAC credits	PT,
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 1508.0 ft ²	MZ-H-Multizone heating)	
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			

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 v4.5.2)

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

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

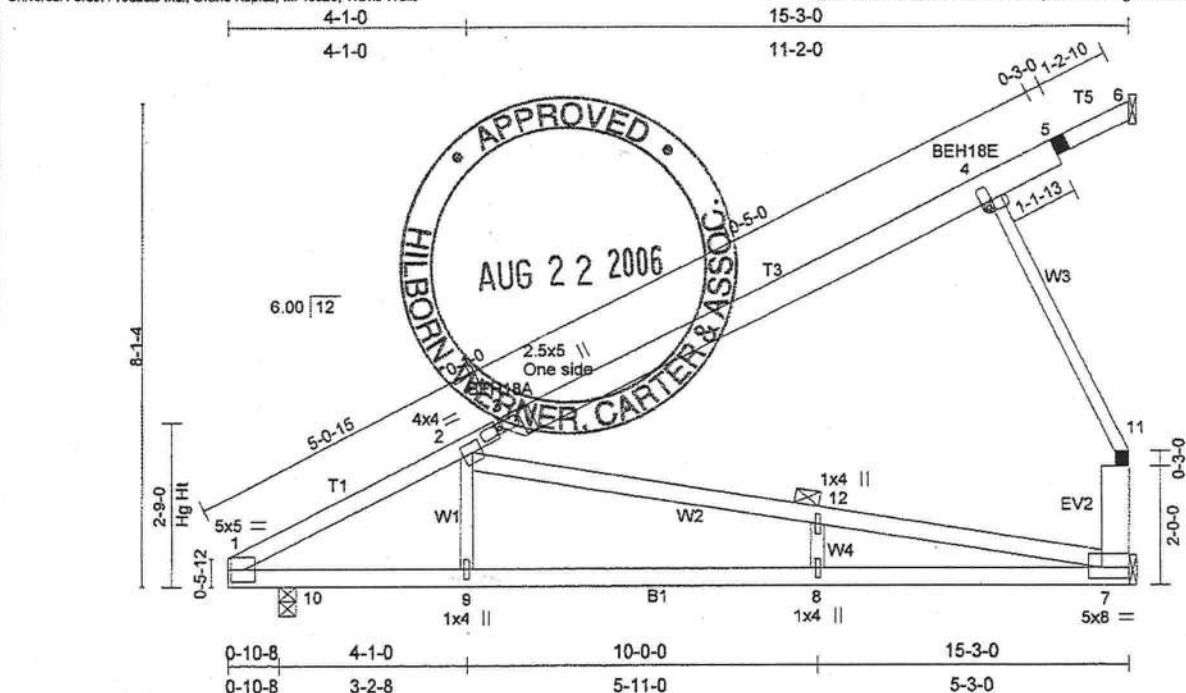


Plate Offsets (X,Y): [1:0-0-11,0-2-8], [3:0-0-5,0-0-0], [3:0-1-8,0-4-8], [4:0-0-11,0-1-2], [7:Edge,0-2-4]

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/TP12002	CSI TC 0.86 BC 0.95 WB 0.59 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.40 7-8 >418 240 Vert(TL) -0.62 8-9 >272 180 Horz(TL) -0.03 7 n/a n/a	PLATES GRIP MT20 197/144 MH18 141/138 Weight: 65 lb
---	---	--	--	---	--

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 J(s): 11, 12

REACTIONS (lb/size) 7=474/Mechanical, 6=0/Mechanical, 10=585/0-3-8
Max Horiz 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=-288/6, 3-4=-291/71, 4-5=-102/95, 5-6=-59/104, 7-11=-275/609
BOT CHORD 1-10=-383/701, 9-10=-1066/660, 8-9=-1066/660, 7-8=-1066/660
WEBS 2-9=-37/270, 2-12=-563/806, 7-12=-575/794, 4-11=-303/871, 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

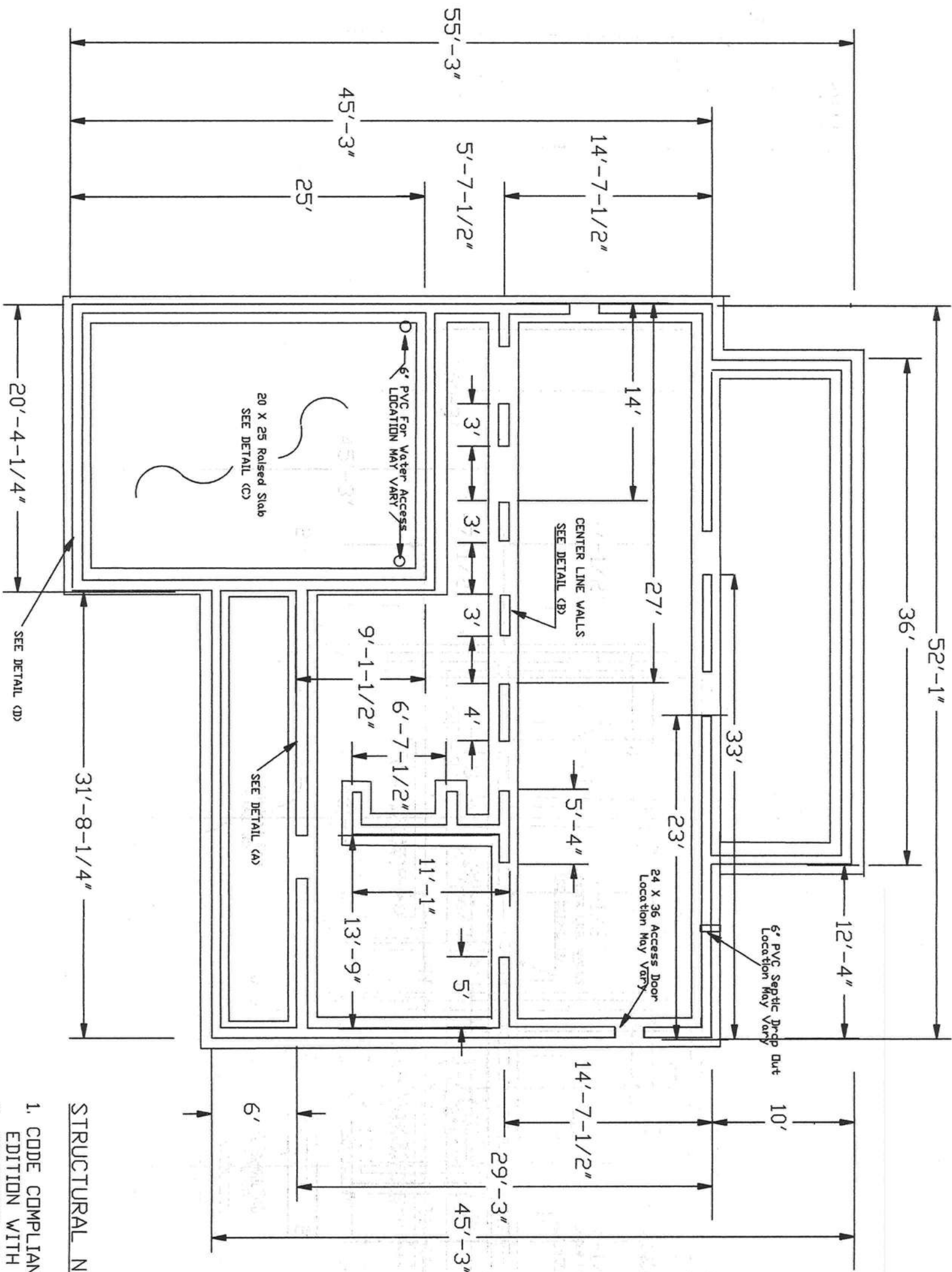
- 1) Wind: ASCE 7-02, 130mph @24in o.c.; h=30ft; TCDL=2.8psf; BCCL=2.8psf; Category II; Exp C; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left exposed; Lumber DOL=1.60 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Wind: ASCE 7-02, 158mph @16in o.c.; h=30ft; TCDL=4.2psf; BCCL=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; Ps=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/TP1 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 TP1-2002. This design is based only upon parameters shown, and is for an individual building component to be installed and braced 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\Supplemental\ufp.tpe© copyright 2006 by: Universal Forest Products, Inc.



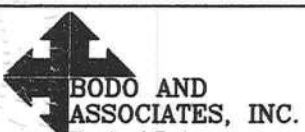
TRI.0



STRUCTURAL NOTES

1. CODE COMPLIANCE: FLORIDA BUILDING CODE, 2007 EDITION WITH 2009 SUPPLEMENT
2. CONCRETE: $f'c=3000$ PSI MIN. AT 28 DAYS
3. REINFORCING STEEL: ASTM A615 GRADE 40 OR 60
4. DESIGN WIND VELOCITY: 110 MPH
5. ASSUMED ALLOWABLE BEARING PRESSURE: 1000 PSF

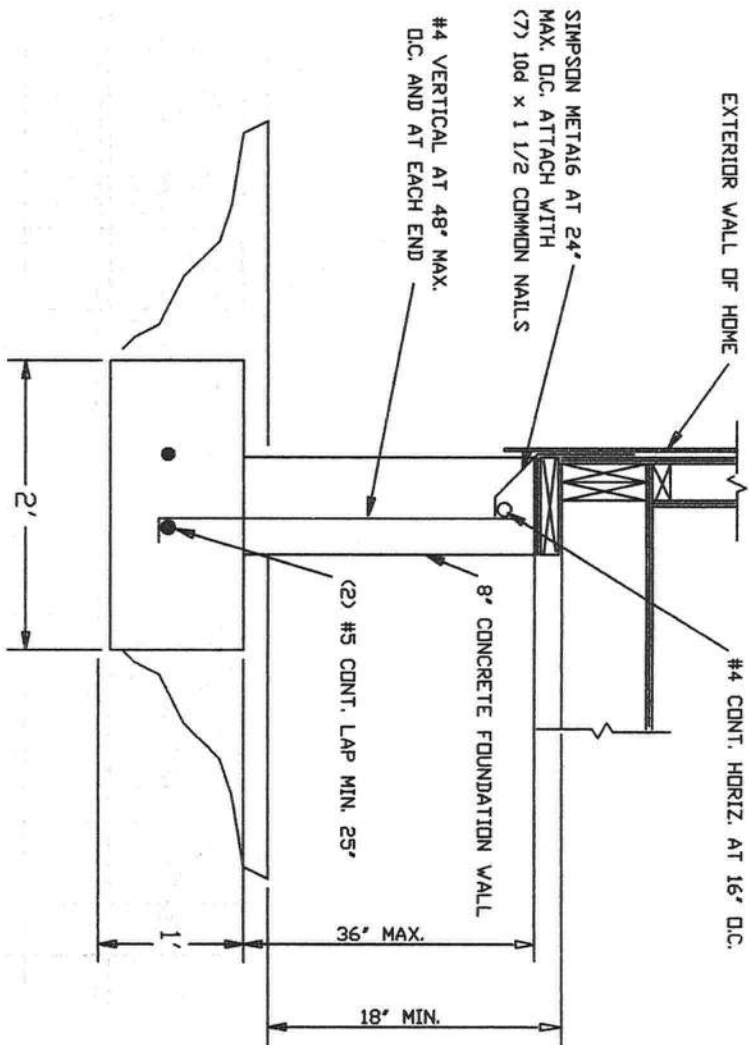
TOWNS RESIDENCE FOUNDATION
122 NW OAK LEAF, LAKE CITY, FLORIDA



BODO AND ASSOCIATES, INC.
Structural Engineers
P. O. Box 698 Gainesville, Florida 32602-0698
Tel: 352 378 8806 Fax: 352 378 6488
State of Florida Certificate of Authorization No.: 2719

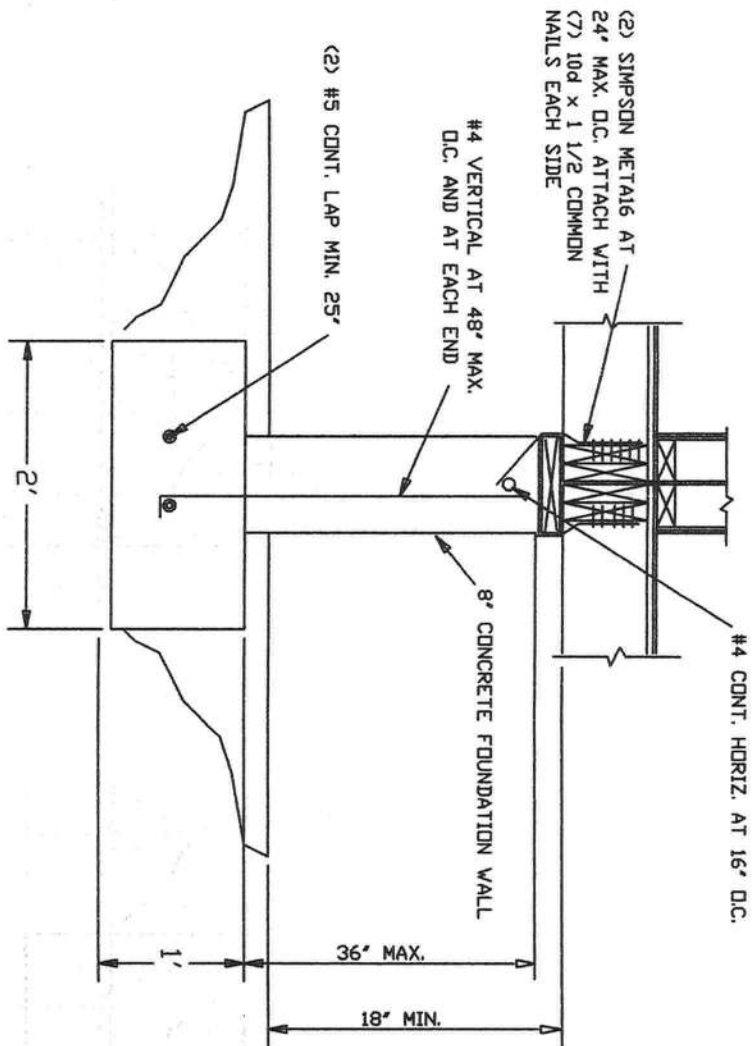
ATILIA BODO
PE 15834
2.12.10

PROJECT NO.
7090006
DATE
10 FEB 2010
SHEET NO.



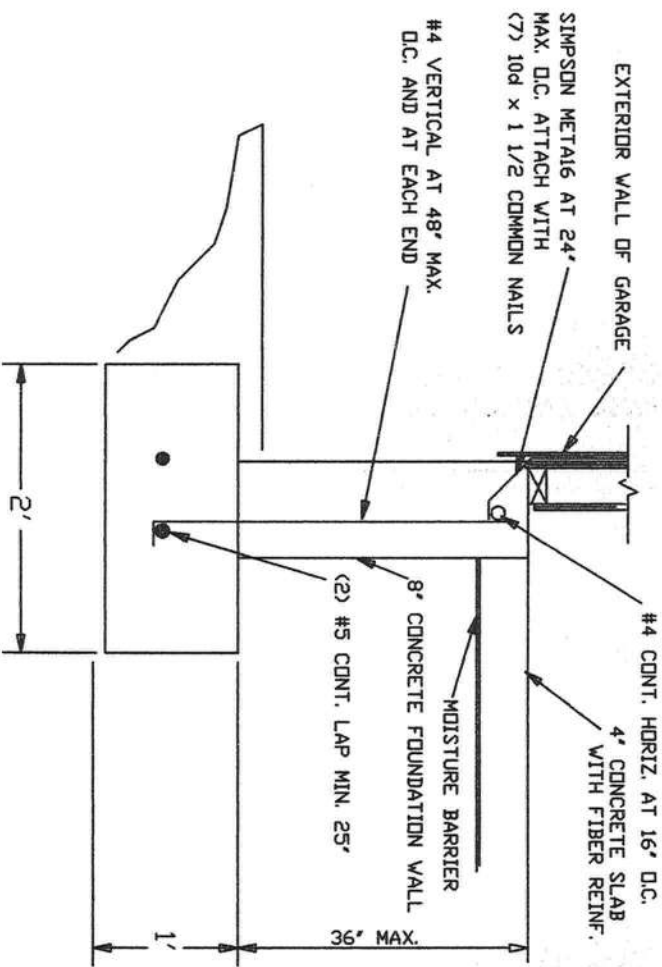
DETAIL (A)

3/4" = 1'-0"



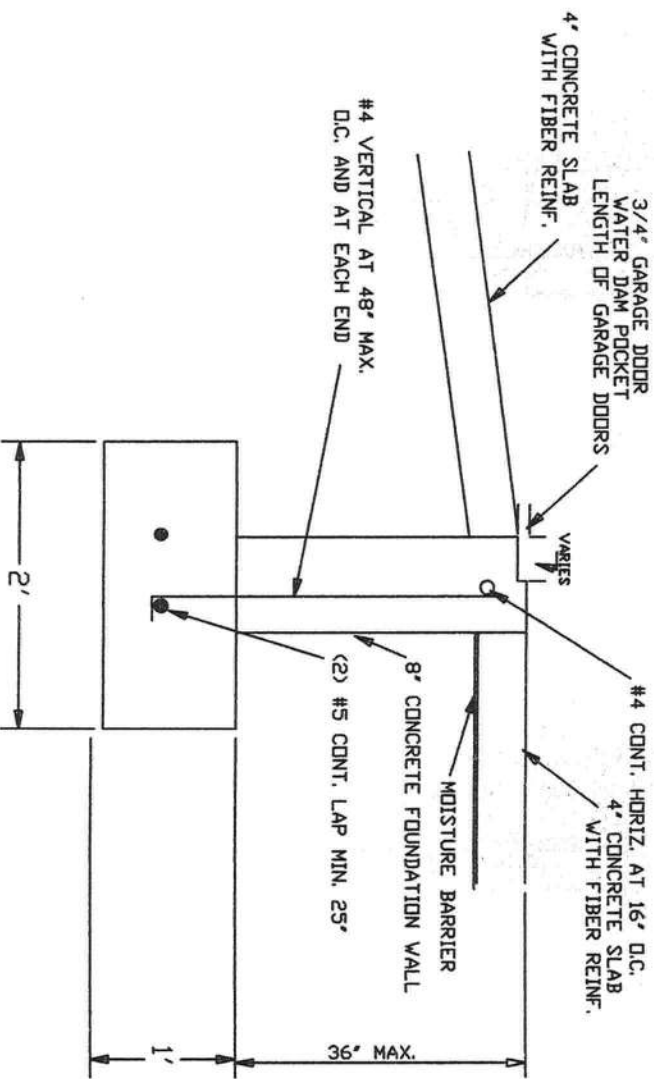
DETAIL (B)

3/4" = 1'-0"



DETAIL (C)

3/4" = 1'-0"



DETAIL (D)

3/4" = 1'-0"

TOWNS RESIDENCE FOUNDATION
122 NW OAK LEAF, LAKE CITY, FLORIDA

PROJECT NO.	7090006
DATE	10 FEB 2010
SHEET NO.	S1.2



ATTILA BODO
PE 15834
2.12.10