DA 2/20/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025331

APPLICANT WILLIAM HARPER PHONE 386.688.4192

ADDRESS 119 SW HOBBY PLACE LAKE CITY FL 32024

OWNER PHILLIP & SAMANTHA JOLLIFE PHONE 386.965.8070

ADDRESS 261 SW FAB GLEN LAKE CITY FL 32024

CONTRACTOR WILLIAM HARPER PHONE 386.688.4192

LOCATION OF PROPERTY 90-W TO C-252,TL TO DEKLE RD,TL TO FAB GLEN,TR SITE ON L.

TYPE DEVELOPMENT SF/UTILITY/Modular ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA TOTAL AREA HEIGHT 15.00 STORIES 1

FOUNDATION CONC WALLS ROOF PITCH 4'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 18-4S-16-03059-016 SUBDIVISION FAB ROAD SURVEY

LOT 10 BLOCK PHASE UNIT TOTAL ACRES 2.50

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		R282811402	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	06-0939-N	BLK	JTH	N

COMMENTS: SECTION 2.3.1. LEGAL NON-CONFORMING. LOT OF RECORD.1984 EXISTING M.H TO BE REMOVED 45 DAYS AFTER C.O. ISSUANCE. 1 FOOT ABOVE ROAD.

NOC ON FILE. Check # or Cash 1184

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by | Slab ____ date/app. by | Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by | Rough-in plumbing above slab and below wood floor ____ date/app. by

Electrical rough-in ____ date/app. by | Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by

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

M/H tie downs, blocking, electricity and plumbing ____ date/app. by | Pool ____ date/app. by

Reconnection ____ date/app. by | Pump pole ____ date/app. by | Utility Pole ____ date/app. by

M/H Pole ____ date/app. by | Travel Trailer ____ date/app. by | Re-roof ____ 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 # 06-12-28 Date Received 12/7 By JW Permit # 25331

Application Approved by - Zoning Official BLK Date 12/12/06 Plans Examiner OKJH Date 12-7-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Section 2.3.1 Legal Non-conforming Lot of Record (1984) Existing MH to be Removed 45 Days after CO Issued.

☑ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Fax 386-752-2571

Name Authorized Person Signing Permit WILLIAM L. HARPER Phone 386-688-4192

Address 119 S.W. HOBBY PL. LAKE CITY, FL. 32024

Owners Name Phillip AND SAMANTHA JOLLIFFE Phone 386-965-8070

911 Address 261 S.W. FAB GLEN LAKE CITY, FL 32024

Contractors Name WILLIAM L. HARPER Phone 386-688-4192

Address 119 SW HOBBY PL. LAKE CITY, FL. 32024

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address CHRIS KEEN, PE (KEVIN. INN, PE. DCA)

Mortgage Lenders Name & Address

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

Property ID Number 18-4S-16-03059-016 Estimated Cost of Construction $100,000.00

Subdivision Name FAB ROAD SURVEY PARCEL #10 Lot ____ Block ____ Unit ____ Phase ____

Driving Directions TAKE U.S. 90 WEST TO HWY 252 (PINEMOUNT), TURN LEFT, TAKE HWY. 252 TO DEKEL RD., TURN LEFT, TAKE DEKEL RD. TO FAB GLEN, TURN RIGHT, HOME ON LEFT

Type of Construction MODULAR Number of Existing Dwellings on Property 1

Total Acreage 2.5 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 281' Side 501' Side 60' Rear 255'

Total Building Height 15' Number of Stories 1 Heated Floor Area 1760 Roof Pitch 4/12

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.

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 COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized Letter

William L Harper
Contractor Signature

Contractors License Number RB2822811402

Competency Card Number 5816

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 7 day of December 20 06.

Personally known ✓ or Produced Identification ____

Laurie Hodson
Notary Signature

(Revised Sept. 2006)

Inst:2006020421 Date:08/28/2006 Time:11:36
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1094 P:311

Above Space Reserved for Recording
[If required by your jurisdiction, list above the name & address of: 1) where to return this form; 2) preparer; 3) party requesting recording.]

Quitclaim Deed

Date of this Document: AUGUST 28 2006

Reference Number of Any Related Documents: _____

Grantor:

Name CHARLIE JOLLIFFE
Street Address 261 SW FAB GIN.
City/State/Zip LAKE CITY FL 32024

Grantee:

Name PHILLIP JOLLIFFE
Street Address 402 NW FOREST MEADOWS AVE
City/State/Zip LAKE CITY FL 32055

Abbreviated Legal Description (i.e., lot, block, plat or section, township, range, quarter/quarter or unit, building and condo name): SECTION 18 TOWNSHIP 4 SOUTH RANGE 16 EAST: E. 1/2 PARCEL

Assessor's Property Tax Parcel/Account Number(s): 18-4S-16-03059-016

THIS QUITCLAIM DEED, executed this 28 day of AUGUST, 2006, by first party, Grantor, CHARLIE JOLLIFFE, whose mailing address is 261 SW FAB GIN LAKE CITY FL 32024, to second party, Grantee, PHILLIP JOLLIFFE whose mailing address is 402 NW FOREST MEADOWS AVE LAKE CITY FL 32055

WITNESSETH that the said first party, for good consideration and for the sum of _____ Dollars ($1000 -) paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quitclaim unto the said second party forever, all the right, title, interest and claim,

which the said first party has in and to the following described parcel of land, and improvements and appurtenances thereto in the County of Columbia, State of FLORIDA to wit: E 1/2 OF E 1/2 OF NW 1/4 OF SW 1/4 OF NW 1/4, E+ RD R/W AKA E 1/2 PARCEL # 10 FAB RD SURVEY ORB 550-191

IN WITNESS WHEREOF, the said first party has signed and sealed these presents the day and year first written above. Signed, sealed and delivered in the presence of:

Signature of Witness Jennifer McMillan
Print Name of Witness Jennifer McMillan

Signature of Witness Monica Ollis
Print Name of Witness MONICA OLLIFF

Signature of Grantor Charlie Jolliffe POA
Print Name of Grantor CHARLIE JOLLIFFE

State of Florida)
County of Columbia.)

Jennifer McMillan

On 8/28/06, before me, ~~Phillip Jolliffe.~~, appeared Phillip Jolliffe., personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.
Jennifer McMillan
Signature of Notary

Affiant ___ Known X Produced ID
Type of ID FL Driver's License.
(Seal)

JENNIFER McMILLAN
Notary Public. State of Florida
My comm. expires Feb. 9, 2009
No. DD 394775

Inst:2006020421 Date:08/28/2006 Time:11:36
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1094 P:312

FORM 104 WARRANTY DEED-(Statutory Form.)

executive line

Prepared by and Returned to:
Regional Title Co.
2015 S. First St.
P.O. Box 1672
Lake City, FL 32056-1672

This Indenture,

(The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates)

BK 0550 PG 0111 OFFICIAL RECORDS

Made this 23rd *day of* October 19 84. *Between*

JOHN CONE AND ROSE CONE, HIS WIFE

of the County of Crisp *, State of* Georgia *grantor, and*

CHARLIE JOLLIFFE AND GLADYS MAE JOLLIFFE, HIS WIFE

whose post-office address is Rt 4, Box 135, Lake City, Fl.
of the County of Columbia *, State of* Fla. *, grantee,*

Witnesseth: *That said grantor, for and in consideration of the sum of* TEN AND NO/100 *Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in* Columbia *County, Florida, to-wit:*

84-09628

Section 18 Township 4 South Range 16 East: East ½ of Parcel No. 10 of an unrecorded survey of the S ½ of the NW¼ of Section 18, Township 4 South, Range 16 East as surveyed by Wattles Lee & Associates, as per plat dated July 21, 1971, being more particularly described as follows:

East ½ of the E ½ of the NW ¼ of the SW ¼ of the NW ¼, LESS AND EXCEPT 25 feet off the South side thereof for road, subject to power line easement, containing 2 ½ acres, more or less.

DOCUMENTARY STAMP 30.60
INTANGIBLE TAX —
MARY B. CHILDS, CLERK OF COURTS, COLUMBIA COUNTY
BY L Powell D.C.

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA
BOOK 0550 - 1 - PAGE 0111
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, *Grantor has hereunto set grantor's hand and seal the day and year first above written. Signed, sealed and delivered in our presence:*

X Kenneth G. Rodriguez
WITNESS

X Rodney K. Jordan
WITNESS

X John Cone (Seal)
JOHN CONE

X Rose Cone (Seal)
ROSE CONE

(Seal)

(Seal)

STATE OF Georgia
COUNTY OF Dougherty

I HEREBY CERTIFY that on this day before me, an officer duly qualified to take acknowledgments, personally appeared

JOHN CONE

to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged before me the execution of same.

WITNESS my hand and official seal in the County and State last aforesaid this 23rd *day of* October

X Debbie L. Smith
Notary Public
My commission expires: 12-6-88 1988

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

Parcel: 18-4S-16-03059-016

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	JOLLIFFE PHILLIP		
Site Address	FAB		
Mailing Address	402 NW FOREST MEADOWS AVE LAKE CITY, FL 32055		
Use Desc. (code)	MOBILE HOM (000200)		
Neighborhood	18416.00	**Tax District**	3
UD Codes	MKTA01	**Market Area**	01
Total Land Area	2.500 ACRES		
Description	E1/2 OF E1/2 OF NW1/4 OF SW1/4 OF NW1/4, EX RD R/W. (AKA E1/2 PARCEL # 10 FAB RD SURVEY) ORB 550-191		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (2)	$27,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$11,034.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$38,034.00

Just Value	$38,034.00
Class Value	$0.00
Assessed Value	$38,034.00
Exempt Value	$0.00
Total Taxable Value	$38,034.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
8/28/2006	1094/311	WD	I	U	06	$100.00
10/1/1984	550/191	WD	V	Q		$6,800.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	MOBILE HME (000800)	1984	WD or PLY (08)	966	1536	$11,034.00

Note: All S.F. calculations are based on exterior building dimensions.

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
000102	SFR/MH (MKT)	2.500 AC	1.00/1.00/1.00/1.00	$10,000.00	$25,000.00

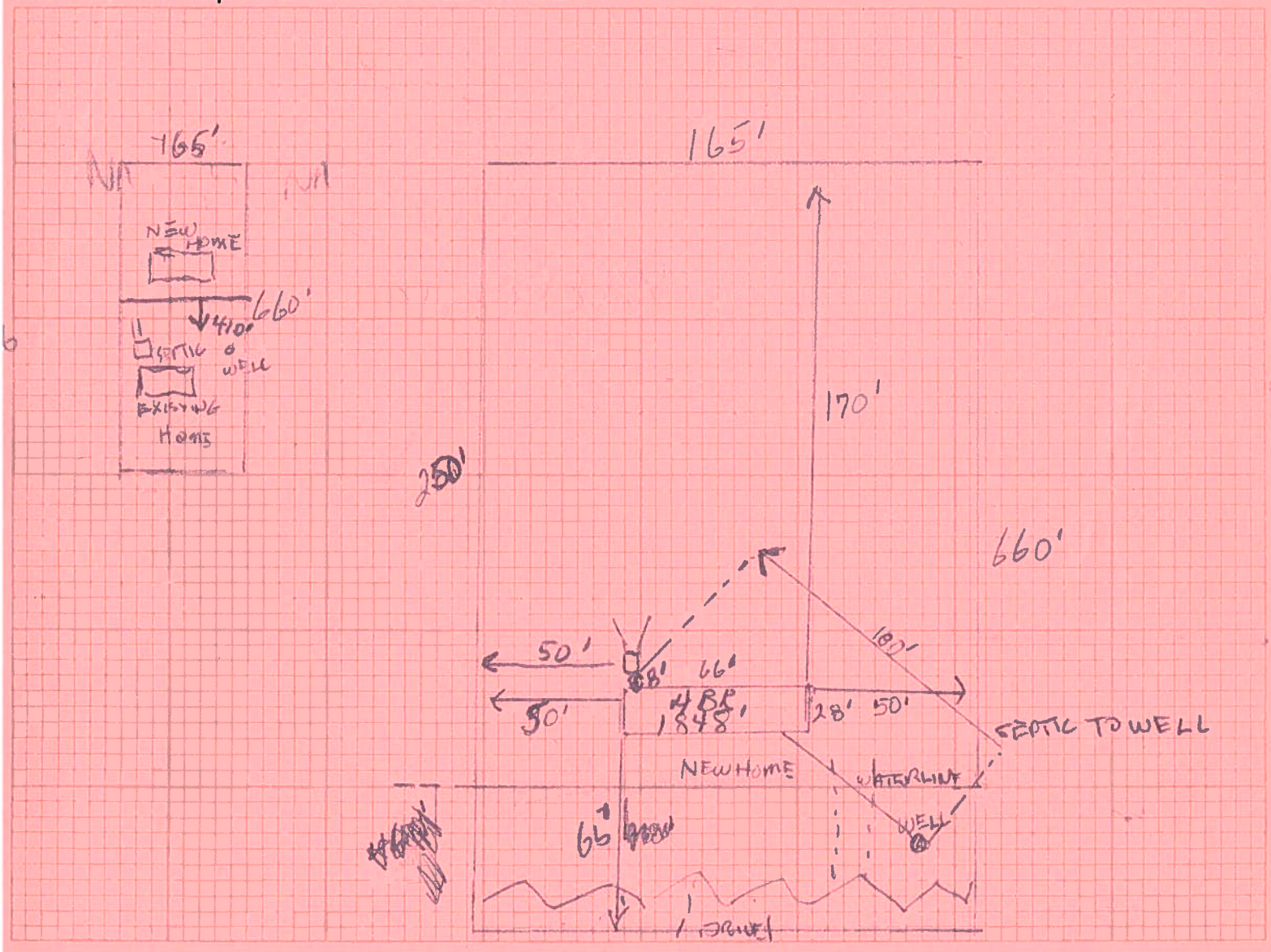
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0939N

PART II - SITE PLAN

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



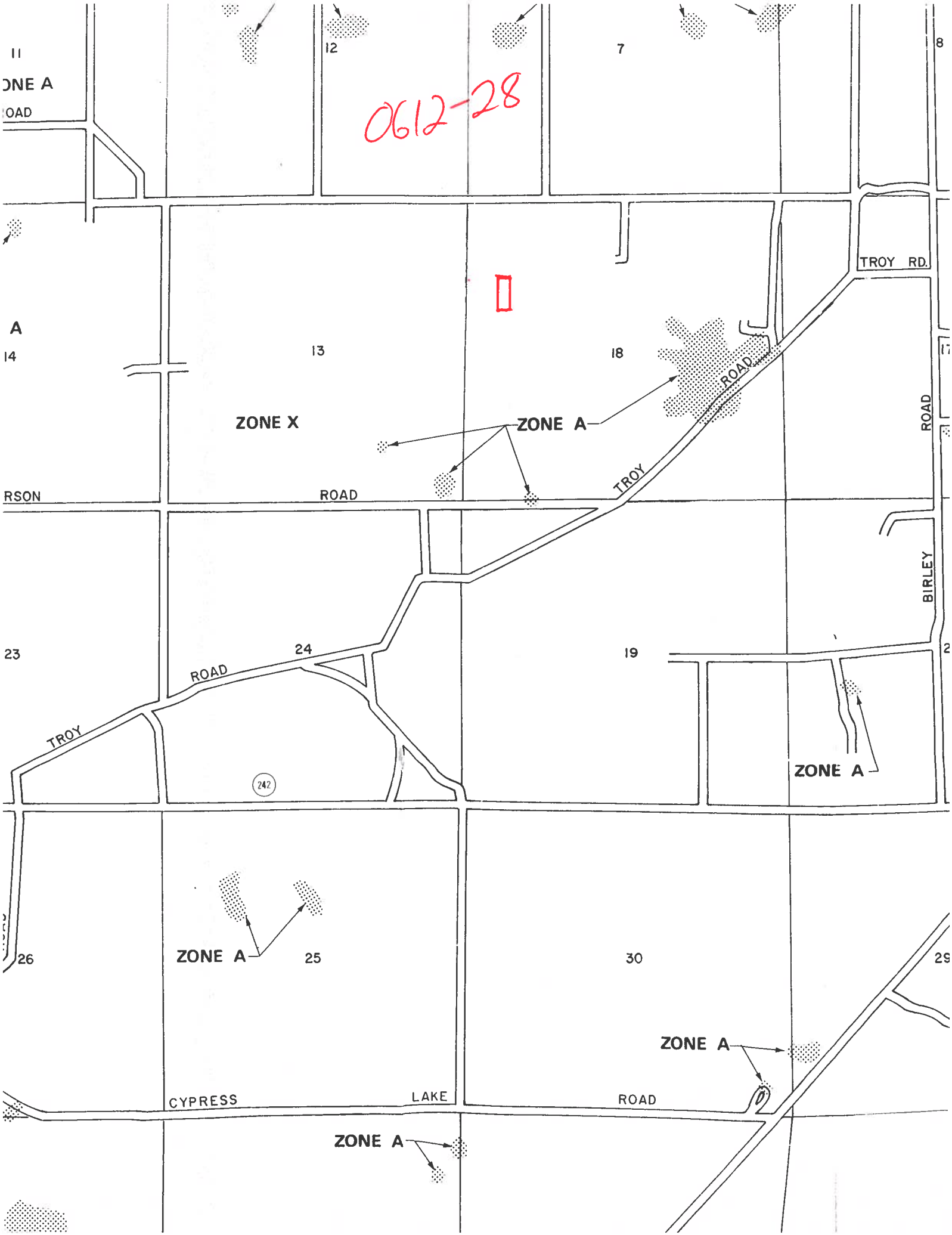
Notes: OWNER WILL ABANDON OLD SEPTIK TANK

Site Plan submitted by: WILLIAM L. HARPER (Signature) AGENT (Title)

Plan Approved X Not Approved _____ Date 11-1-06

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT


0612-28
11
ONE A
OAD
12
7
8
TROY RD.
A
14
13
18
ROAD
ZONE X
ZONE A
ROAD
RSON
ROAD
TROY
BIRLEY
23
24
19
ROAD
TROY
242
ZONE A
26
ZONE A
25
30
29
ZONE A
CYPRESS
LAKE
ROAD
ZONE A

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	E6314M-NORTH	Builder:	
Address:		Permitting Office:	
City, State:	JACKSONVILLE, FL 32223-	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	3	
5. Is this a worst case?	No	
6. Conditioned floor area (ft²)	1760 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	Description Area: 7a. (Dble, U=0.5) 32.5 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 113.2 ft²	
8. Floor types		
a. Raised Wood, Stem Wall	R=11.0, 1760.0ft²	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=19.0, 459.0 ft²	
b. Frame, Wood, Exterior	R=19.0, 470.8 ft²	
c. Frame, Wood, Exterior	R=19.0, 232.5 ft²	
d. Frame, Wood, Exterior	R=19.0, 240.0 ft²	
e. N/A		
10. Ceiling types		
a. Under Attic	R=33.0, 1760.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. N/A		
b. N/A		
12. Cooling systems		
a. N/A		
b. N/A		
c. N/A		
13. Heating systems		
a. N/A		
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons EF: 0.91	
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)		

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3642-3986-E5314M
40 PSF
11/6/2006
Cavalier Home Builders

Const. Type:
Occupancy:
Allowable No. of Floors:
Wind Velocity:
Fire Rating of Ext. Walls:
Plan No.:
Allow. Floor Load:
Approval Date:
Manufacturer:

These plans comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC

Glass/Floor Area: 0.12 Total as-built points: 23730 Total base points: 26472 **PASS**

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

PREPARED BY: _____

DATE: 11-6-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: Charles M. Midgett

DATE: 11/6/2006 SMP-615

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

EnergyGauge® (Version: FLRCSB v4.0)

PLAN # MFT-3359-3642-3986-E6314M

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.

Tax Parcel ID Number 18-4S-16-03059-016 **PERMIT NUMBER** _____

1. **Description of property: (legal description of the property and street address or 911 address)**
   261 SW FAB Glen
   Lake City, FL 32024

   Inst:2006029837 Date:12/20/2006 Time:12:45
   J.A. DC,P.DeWitt Cason,Columbia County B:1105 P:1104

2. **General description of improvement:** MODULAR HOME

3. **Owner Name & Address** Samantha & Charlie Tolliffe **Interest in Property** Homeowner

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

5. **Contractor Name** WL Harper **Phone Number** 386-688-4192
   Address 119 SW Hobby PL, LAKE City, FL 32024

6. **Surety Holders Name** _____ **Phone Number** _____
   Address _____
   Amount of Bond _____

7. **Lender Name** Eagle **Phone Number** 888-898-4950
   Address 7320 SW Hunziker St, Ste 205, Tigard, OR 97223

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 BETTER BILT HOMES **Phone Number** 386-758-9133
   Address 3993 US Hwy 90 W. LAKE CITY, FL. 32055

9. **In addition to himself/herself the owner designates** _____ **of** _____ **to receive a copy of the Lienor's 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)** _____

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Sworn to (or affirmed) and subscribed before day of 19 December, 20 06

NOTARY STAMP/SEAL

NOTARY PUBLIC STATE OF FLORIDA
PAULA K IONESCU-ADAMS
MY COMMISSION # DD605863
EXPIRES: Oct. 16, 2010
(407) 398-0153 Florida Notary Service.com

Paula K. Ionescu-Adams
Signature of Notary

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 18-4S-16-03059-016

Building permit No. 000025331

Use Classification MODULAR/UTILITY

Fire: 50.22

Permit Holder WILLIAM HARPER

Waste: 150.75

Owner of Building PHILLIP & SAMANTHA JOLLIFE

Total: 200.97

Location: 261 SW FAB GLEN, LAKE CITY, FL

Date: 01/25/2007

Harry Dicks by G Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

CAVALIER HOME BUILDERS, ELECTRICAL FEEDER CALCULATION

Date: 10/17/2006
Prepared By: Scott Lee
Model # N/A
Job # E5314M
Size 66 x 26.67

lighting load	1760.22	sqft.	x	3	w/ft	= 5280.66	watts
Small App. & Laundry	3		x	1500	watts	= 4500	watts

Name Plate Ratings or Fixed Appliances and Motors

Furnace Blower		0	
Exhaust		960	
Disposal		0	
D/W		1200	
W/H	1- @ 5500watts	5500	
Dryer	1- @ 5500watts	5000	watts
Range	1- @ 5200watts	5200	
Oven		0	
Cooktop		0	
ice		0	
Security/Exit		0	
Special Devices		0	
	Subtotal	27640.66	
100% of 1st 10Kw		10000	
40% of remainder		7056.264	
Air Conditioning @ 100%		10000	
Total		37056.26 watts	= 154.4011 Amps
		240 volts	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

Gable Roof Diaphgram and Shearwall Force Calculation (ASCE 7-02)

Client: Cavalier
Job Number: Shearwall Calcs
Description:

Building Geometry:

Ridge Length, B =	76.0 ft
Total Width, L =	26.7 ft
Blocking Height, h_b =	18.0 in.
Sidewall/Eve Height, h_e =	120.0 in.
Roof Slope, a =	6.24 /12 pitch
Roof slope, a =	27.5 deg.
Sidewall Overhang, L_{OH} =	12.0 in.
Endwall Overhang, B_{OH} =	12.0 in.

Loading Conditions:

Basic Wind Speed (V_{3s}) =	140 & 130 mph
Importance Factor (I_w) =	1.00
Exposure Category:	C
Topographic Factor (K_{zt}) =	1.0
Height & Exposure (K_h) =	0.89
Directionality (K_d) =	0.85

Height Above Grade:

Stories Above Grade =	1.0
Sidewall Eave (z) =	11.5 ft
Roof Peak (z) =	19.0 ft
Mean Roof Height (h) =	15.2 ft
MWFRS End Zone, 2a =	6.0 ft

NET Horizontal Wind Loads (MWFRS)

			Wind Speed (V_{3s}) 130	Wind Speed (V_{3s}) 140
		Wind Pressure (q_h)	32.7	37.9
Transverse	Wall	End Zone	40.4	46.9
		Interior	30.6	35.5
	Roof	End Zone	16.4	19.0
		Interior	13.9	16.1
Longitudinal	Wall	End Zone	34.0	39.4
		Interior	22.5	26.1
	Roof	End Zone	16.4	19.0
		Interior	13.9	16.1

Vertical Roof Projection = 7.5 ft
Wall Height = 9.0 ft
Misc. Framing Height = 1 ft/level

Shearwall Loads (plf)

		Shearwall Design Loads Wind Speed (V_{3s}) 130	140
Roof Diaphgram	End	304	353
	Interior	241	280

Sliding Pressures (plf)

		Sliding Design Loads Wind Speed (V_{3s}) 130	140
Floor Diaphgram	End	527	611
	Interior	410	475

Total Force to Shearwalls (each side)

Bracing 1 Floor and Roof	Unit Length	Shearwall Force Per End of Unit (lbf) Endwall Wind Speed (V_{3s}) 130	140	Sidewall 130	140	Sliding Force Per End of Unit (lbf) Endwall Wind Speed (V_{3s}) 130	140	Sidewall 130	140
	30	3998	4637			6498	7537		
	35	4601	5337			7523	8725		
	40	5205	6036			8548	9913		
	45	5808	6736			9572	11101		
	50	6412	7436			10597	12290		
	55	7015	8136			11621	13478		
	60	7619	8836			12646	14666		
	65	8222	9536			13671	15855		
	70	8826	10236			14695	17043		
	76	9550	11076	2803	3251	15925	18469	4645	5387

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

11-06

4.1

Roof Diaphragm Design

Number represents the length of blocking needed from EACH end.

N/A- Blocking not needed.

A minimum of 7/16" roof sheathing must be used.

1-Story	Blocking needed (ft)	
Unit Length (ft)	Wind Speed MPH	
	130	140
30	N/A	N/A
35	N/A	N/A
40	N/A	N/A
45	N/A	N/A
50	N/A	N/A
55	N/A	1
60	N/A	4
65	2	6
70	4	9
76	7	11

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

Use a ply/OSB strip fastened with 0.131"x2.5" nails OR 10d nails toed at the proper spacing.
Use a 5/8" anchor bolt to connect sill to foundation at the proper spacing.

Nails Needed to Resist Sliding

1-Story	Endwall Nail Spacing (" O.C.)		Sidewall Nail Spacing (" O.C.)	
Unit Length (ft)	Wind Speed MPH		Wind Speed MPH	
	130	140	130	140
30	4	4	6	6
35	4	3	6	6
40	3	3	6	6
45	3	2	6	6
50	3	2	6	6
55	2	2	6	6
60	2	2	6	6
65	2	2	6	6
70	2	6*	6	6
76	2	6*	6	6

Anchor Bolt Spacing (inches)

1-Story	Endwall		Sidewall	
Unit Length (ft)	Wind Speed MPH		Wind Speed MPH	
	130	140	130	140
30	72	64	72	72
35	64	55	72	72
40	56	49	72	72
45	50	43	72	72
50	45	39	72	72
55	42	36	72	72
60	38	33	72	72
65	35	31	72	72
70	33	28	72	72
76	30	26	72	72

Note: For 6* use 0.131"x2.5" nails @ 6" O.C. and LTP4 clips @ 12" O.C.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/8/2006
Manufacturer:	Cavalier Home Builders

11/1/06

4.3

Endwall Shearwalls
Full Height Sheathing Required For Specified Edge Spacing
3/8" Sheathing with 8d nails at 12" O.C. field spacing

Width=	26.7 ft
Wall Height=	9 ft
Roof Pitch=	6.24 /12

Endwalls - 1 Side Sheathed

1-Story	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
Length	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH
30	14	16	10	11	8	9	6	7
35	16	19	11	13	9	10	7	8
40	18	21	13	15	10	11	8	9
45	20	24	14	16	11	13	9	10
50	23	26	16	18	12	14	9	11
55	25	N/A	17	20	13	15	10	12
60	N/A	N/A	18	21	14	17	11	13
65	N/A	N/A	20	23	16	18	12	14
70	N/A	N/A	21	25	17	19	13	15
76	N/A	N/A	23	N/A	18	21	14	16

Endwalls - 2 Sides Sheathed

1-Story	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
Length	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH
30	7	8	5	6	4	4	3	3
35	8	9	6	6	4	5	3	4
40	9	11	6	7	5	6	4	4
45	10	12	7	8	5	6	4	5
50	11	13	8	9	6	7	5	5
55	12	14	9	10	7	8	5	6
60	13	16	9	11	7	8	6	6
65	15	17	10	12	8	9	6	7
70	16	18	11	12	8	10	6	7
76	17	20	12	13	9	10	7	8

Notes:

(1) 2.6 ft needed to be considered a segment (3.5:1 ratio)

(2) Studs must have a maximum spacing of 16" O.C.

(3) At panel Edges Studs must be doubled and nails must be staggered when nails are spaced @ 2" O.C.

(3) When both sides are sheathed and nail spacing is less then 6" the panel joints must be offset to fall on different famining members or studs must be doubled and nails staggered.

(4) Each full height sheathed section along the endwall must be tied down at both ends.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

11-1-06

Sidewalls

Full Height Sheathing Required For Specified Edge Spacing

3/8" Sheathing with 8d nails at 12" O.C. field spacing

Width= 26.7 ft

Wall Height= 9 ft

Roof Pitch= 6.24 /12

1-Story	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
% FHS	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH	130 MPH	140 MPH
10	23	27	16	18	12	14	10	11
20	22	25	15	18	12	14	9	11
30	20	23	14	16	11	13	8	10
40	19	22	13	15	10	12	8	9
50	17	20	12	14	9	11	7	8
60	16	18	11	13	8	10	7	8
70	14	17	10	11	8	9	6	7
80	13	15	9	10	7	8	5	6
90	11	13	8	9	6	7	6	6
100	10	11	7	8	5	6	4	5

Notes:

(1) 2.6 ft needed to be considered a segment (3.5:1 ratio)

(2) Studs must have a maximum spacing of 16" O.C.

(3) Percent Full Height Sheathing (% FHS) determind by taking the sum of the length of each segment of the wall then dividing by the total sidewall length.

(4) Studs must be doubles and nails must be staggered when nails are spaced @ 2" O.C.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E6314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

4.5

Overturning straping for Endwalls

Width=	26.7 ft
Wall Height=	9 ft
Roof Pitch=	6.24 /12

130 MPH

1-Story — Percent Full Height Sheathing of Endwall

Length	10	20	30	40	50	60	70	80	90	100
30	13493	6747	4498	3373	2699	2249	1928	1687	1499	1349
35	15530	7765	5177	3882	3106	2588	2219	1941	1726	1553
40	17567	8783	5856	4392	3513	2928	2510	2196	1952	1757
45	19603	9802	6534	4901	3921	3267	2800	2450	2178	1960
50	21640	10820	7213	5410	4328	3607	3091	2705	2404	2164
55	23677	11838	7892	5919	4735	3946	3382	2960	2631	2368
60	25714	12857	8571	6428	5143	4286	3673	3214	2857	2571
65	27750	13875	9250	6938	5550	4625	3964	3469	3083	2775
70	29787	14894	9929	7447	5957	4965	4255	3723	3310	2979
76	32231	16116	10744	8058	6446	5372	4604	4029	3581	3223

140 MPH

1-Story — Percent Full Height Sheathing of Endwall

Length	10	20	30	40	50	60	70	80	90	100
30	15649	7824	5216	3912	3130	2608	2236	1956	1739	1565
35	18011	9006	6004	4503	3602	3002	2573	2251	2001	1801
40	20373	10187	6791	5093	4075	3396	2910	2547	2264	2037
45	22735	11368	7578	5684	4547	3789	3248	2842	2526	2274
50	25097	12549	8366	6274	5019	4183	3585	3137	2789	2510
55	27460	13730	9153	6865	5492	4577	3923	3432	3051	2746
60	29822	14911	9941	7455	5964	4970	4260	3728	3314	2982
65	32184	16092	10728	8046	6437	5364	4598	4023	3576	3218
70	34546	17273	11515	8636	6909	5758	4935	4318	3838	3455
76	37380	18690	12460	9345	7476	6230	5340	4673	4153	3738

Simpson Strap/Anchor Capacities (lb):

1st story to foundation:		Interconnection between stories:	
STHD14RJ	5025	CMST12	8235
STHD10RJ	3730	CMSTC16	4585
STHD8RJ	2210	CS14	2490
		CS20	1030

Notes:

(1) Endwalls must be secured to resist overturning on both ends of each FHS (full height sheathed) section and within 3 feet of each corner.

(2) Percent Full Height Sheathing (% FHS) determind by taking the sum of the length of each segment of the wall then dividing by the total sidewall length.

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E6314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

****
E-Z HEATLOSS(95) 6.0J Copyright 1986-2003, Thomas & Associates, Bellaire, MI 496
(231) 533-8472
****

Cavalier Home Builders of Millen
206 Magnolia St.
Millen, Ga. 30442
478-982-4000

10-17-2006

E5314M

Heatloss is based on a Design Temp. Difference of 55
Heatgain is based on a Design Temp. Difference of 35 ,with a Dark Roof
CFM for Heatloss is based on a Temp. Rise within the heat exchanger of 35

MBEDROOM
CEILING HEIGHT IS 9. FEET, VOLUME IS 2079 CUBIC FEET
2 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 30. SQUARE FEET
2 EXPOSED WALLS, not including openings,TOTALING >>>> 245.9 SQUARE FEET
ROOM SIZE IS 17.3 LONG by 13.3 WIDE, TOTALING >> 231. SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		600	BTUH
The Total BTUH for the outside walls are	1082	664	BTUH
The Total BTUH for the Exposed Openings are	1005	2340	BTUH
The total BTUH for the ceilings	416	416	BTUH
The total BTUH for the floors	508	0	BTUH
The BTUH infiltration for the openings is	2071	659	BTUH
DUCT LOSS OR DUCT GAIN for this room is	254	0	BTUH
SENSIBLE HEAT GAIN		4679	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	5336 BTUH		
The total CFM of air required for this room is	139	250	CFM

LIVING ROOM
CEILING HEIGHT IS 9. FEET, VOLUME IS 2267 CUBIC FEET
3 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 50. SQUARE FEET
1 EXPOSED WALLS, not including openings,TOTALING >>>> 120.1 SQUARE FEET
ROOM SIZE IS 18.9 LONG by 13.3 WIDE, TOTALING >> 251.9 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		0	BTUH
The Total BTUH for the outside walls are	528	324	BTUH
The Total BTUH for the Exposed Openings are	1215	2468	BTUH
The total BTUH for the ceilings	453	453	BTUH
The total BTUH for the floors	554	0	BTUH
The BTUH infiltration for the openings is	3452	1098	BTUH
DUCT LOSS OR DUCT GAIN for this room is	310	0	BTUH

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3842-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

SENSIBLE HEAT GAIN			4343 BTUH
THE TOTAL BTUH FOR THIS ROOM IS	6512	BTUH	
The total CFM of air required for this room is	169		232 CFM

BDR #2
CEILING HEIGHT IS 9. FEET, VOLUME IS 1290 CUBIC FEET
1 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>>> 15. SQUARE FEET
1 EXPOSED WALLS, not including openings,TOTALING >>>> 81.8 SQUARE FEET
ROOM SIZE IS 10.8 LONG by 13.3 WIDE, TOTALING >> 143.3 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		600	BTUH
The Total BTUH for the outside walls are	360	221	BTUH
The Total BTUH for the Exposed Openings are	503	1170	BTUH
The total BTUH for the ceilings	258	258	BTUH
The total BTUH for the floors	315	0	BTUH
The BTUH infiltration for the openings is	1035	329	BTUH
DUCT LOSS OR DUCT GAIN for this room is	124	0	BTUH
SENSIBLE HEAT GAIN		2578	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	2595	BTUH	
The total CFM of air required for this room is	67	138	CFM

BATH #2
CEILING HEIGHT IS 9. FEET, VOLUME IS 960 CUBIC FEET
1 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>>> 15. SQUARE FEET
1 EXPOSED WALLS, not including openings,TOTALING >>>> 57. SQUARE FEET
ROOM SIZE IS 8. LONG by 13.3 WIDE, TOTALING >> 106.6 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		0	BTUH
The Total BTUH for the outside walls are	251	154	BTUH
The Total BTUH for the Exposed Openings are	503	1170	BTUH
The total BTUH for the ceilings	192	192	BTUH
The total BTUH for the floors	235	0	BTUH
The BTUH infiltration for the openings is	1035	329	BTUH
DUCT LOSS OR DUCT GAIN for this room is	111	0	BTUH
SENSIBLE HEAT GAIN		1845	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	2327	BTUH	
The total CFM of air required for this room is	60	99	CFM

BDR #3
CEILING HEIGHT IS 9. FEET, VOLUME IS 1353 CUBIC FEET
2 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>>> 30. SQUARE FEET
2 EXPOSED WALLS, not including openings,TOTALING >>>> 191.4 SQUARE FEET
ROOM SIZE IS 11.3 LONG by 13.3 WIDE, TOTALING >> 150.3 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated

11/7/06

CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS		HEATGAIN	
Additional BTUH for people, Appliances etc.			600	BTUH
The Total BTUH for the outside walls are	842		517	BTUH
The Total BTUH for the Exposed Openings are	1005		2340	BTUH
The total BTUH for the ceilings	271		271	BTUH
The total BTUH for the floors	331		0	BTUH
The BTUH infiltration for the openings is	2071		659	BTUH
DUCT LOSS OR DUCT GAIN for this room is	226		0	BTUH
SENSIBLE HEAT GAIN			4387	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	4746	BTUH		
The total CFM of air required for this room is	123		235	CFM

BDR #4
CEILING HEIGHT IS 9. FEET, VOLUME IS 1200 CUBIC FEET
1 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 15. SQUARE FEET
2 EXPOSED WALLS, not including openings,TOTALING >>>> 195. SQUARE FEET
ROOM SIZE IS 10. LONG by 13.3 WIDE, TOTALING >> 133.3 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS		HEATGAIN	
Additional BTUH for people, Appliances etc.			600	BTUH
The Total BTUH for the outside walls are	858		526	BTUH
The Total BTUH for the Exposed Openings are	503		1170	BTUH
The total BTUH for the ceilings	240		240	BTUH
The total BTUH for the floors	293		0	BTUH
The BTUH infiltration for the openings is	1035		329	BTUH
DUCT LOSS OR DUCT GAIN for this room is	146		0	BTUH
SENSIBLE HEAT GAIN			2865	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	3075	BTUH		
The total CFM of air required for this room is	80		153	CFM

FAMILY/DINING
CEILING HEIGHT IS 9. FEET, VOLUME IS 3279 CUBIC FEET
3 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 65. SQUARE FEET
1 EXPOSED WALLS, not including openings,TOTALING >>>> 181. SQUARE FEET
ROOM SIZE IS 27.3 LONG by 13.3 WIDE, TOTALING >> 364.3 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS		HEATGAIN	
Additional BTUH for people, Appliances etc.			0	BTUH
The Total BTUH for the outside walls are	796		489	BTUH
The Total BTUH for the Exposed Openings are	2178		5070	BTUH
The total BTUH for the ceilings	656		656	BTUH
The total BTUH for the floors	801		0	BTUH
The BTUH infiltration for the openings is	4486		1427	BTUH
DUCT LOSS OR DUCT GAIN for this room is	446		0	BTUH
SENSIBLE HEAT GAIN			7642	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	9363	BTUH		

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

The total CFM of air required for this room is 243 409 CFM

KITCHEN
CEILING HEIGHT IS 9. FEET, VOLUME IS 1359 CUBIC FEET
1 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 15.9 SQUARE FEET
1 EXPOSED WALLS, not including openings,TOTALING >>>> 86.1 SQUARE FEET
ROOM SIZE IS 11.3 LONG by 13.3 WIDE, TOTALING >> 151. SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		1200	BTUH
The Total BTUH for the outside walls are	379	232	BTUH
The Total BTUH for the Exposed Openings are	533	1240	BTUH
The total BTUH for the ceilings	272	272	BTUH
The total BTUH for the floors	332	0	BTUH
The BTUH infiltration for the openings is	1097	349	BTUH
DUCT LOSS OR DUCT GAIN for this room is	131	0	BTUH
SENSIBLE HEAT GAIN		3293	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	2744 BTUH		
The total CFM of air required for this room is	71	176	CFM

UTILITY
CEILING HEIGHT IS 9. FEET, VOLUME IS 920 CUBIC FEET
1 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 20. SQUARE FEET
1 EXPOSED WALLS, not including openings,TOTALING >>>> 49. SQUARE FEET
ROOM SIZE IS 7.7 LONG by 13.3 WIDE, TOTALING >> 102.2 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		1200	BTUH
The Total BTUH for the outside walls are	216	132	BTUH
The Total BTUH for the Exposed Openings are	210	128	BTUH
The total BTUH for the ceilings	184	184	BTUH
The total BTUH for the floors	225	0	BTUH
The BTUH infiltration for the openings is	1381	439	BTUH
DUCT LOSS OR DUCT GAIN for this room is	111	0	BTUH
SENSIBLE HEAT GAIN		2083	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	2327 BTUH		
The total CFM of air required for this room is	60	111	CFM

M BATH
CEILING HEIGHT IS 9. FEET, VOLUME IS 1200 CUBIC FEET
2 EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>> 23.5 SQUARE FEET
2 EXPOSED WALLS, not including openings,TOTALING >>>> 186.5 SQUARE FEET
ROOM SIZE IS 10. LONG by 13.3 WIDE, TOTALING >> 133.3 SQUARE FEET
WINDOW TYPE IS: U-Value = .609, Double Pane, Clear Glass
WALL TYPE IS: U-Value = .08, frame, Insulated
CEILING TYPE IS: U-Value = .033, Unconditioned Attic Space Above
FLOOR TYPE IS: U-Value = .08, Floor, over Enclosed, Unconditioned space

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY
NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/8/2006
Manufacturer:	Cavalier Home Builders

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		0	BTUH
The Total BTUH for the outside walls are	820	503	BTUH
The Total BTUH for the Exposed Openings are	787	1578	BTUH
The total BTUH for the ceilings	240	240	BTUH
The total BTUH for the floors	293	0	BTUH
The BTUH infiltration for the openings is	1622	516	BTUH
DUCT LOSS OR DUCT GAIN for this room is	188	0	BTUH
SENSIBLE HEAT GAIN		2837	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	3950 BTUH		
The total CFM of air required for this room is	103	152	CFM

T O T A L S

****

VOLUME IS >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	15906	CUBIC FEET
EXPOSED OPENINGS,TOTALING >>>>>>>>>>>>>>>>>>>>>>>>	279.4	SQUARE FEET
EXPOSED WALLS,above grade not including openings	1394	SQUARE FEET
TOTAL SQUARE FEET, of walls below grade	0	SQUARE FEET
FLOOR AND CEILING SIZE IS	1767	SQUARE FEET

	HEATLOSS	HEATGAIN	
Additional BTUH for people, Appliances etc.		4800	BTUH
The Total BTUH for the walls above grade are	6132	3762	BTUH
The Total BTUH for the walls below grade are	0		
The Total BTUH for the Exposed openings are	8442	18674	BTUH
The total BTUH for the ceilings	3182	3182	BTUH
The total BTUH for the floors	3887	0	BTUH
The BTUH infiltration for the openings is	19285	6134	BTUH
DUCT LOSS OR DUCT GAIN	2047	0	BTUH
TOTAL SENSIBLE HEAT GAIN		36552	BTUH
LATENT GAIN		7259	BTUH
T O T A L B T U H, T H I S B U I L D I N G	42975	43811	BTUH
The total CFM of air required	1116	1955	CFM

****

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr.
Plan No.:	MFT-3359-3642-3986-E6314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

11-1-06

FORM 600A-2004 EnergyGauge® 4.0

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223- 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 cir 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.	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3988-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.1

The higher the score, the more efficient the home.

, , JACKSONVILLE, FL, 32223-

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?	No
6.	Conditioned floor area (ft²)	1760 ft²
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)	
	a. U-factor: (or Single or Double DEFAULT)	7a. (Dble, U=0.5) 32.5 ft²
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 113.2 ft²
8.	Floor types	
	a. Raised Wood, Stem Wall	R=11.0, 1760.0ft²
	b. N/A	
	c. N/A	
9.	Wall types	
	a. Frame, Wood, Exterior	R=19.0, 459.0 ft²
	b. Frame, Wood, Exterior	R=19.0, 470.8 ft²
	c. Frame, Wood, Exterior	R=19.0, 232.5 ft²
	d. Frame, Wood, Exterior	R=19.0, 240.0 ft²
	e. N/A	
10.	Ceiling types	
	a. Under Attic	R=33.0, 1760.0 ft²
	b. N/A	
	c. N/A	
11.	Ducts	
	a. N/A	
	b. N/A	
12.	Cooling systems	
	a. N/A	
	b. N/A	
	c. N/A	
13.	Heating systems	
	a. N/A	
	b. N/A	
	c. N/A	
14.	Hot water systems	
	a. Electric Resistance	Cap: 50.0 gallons EF: 0.91
	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)	

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3642-3986-E5314M
Allow. Floor Load: 40 PSF
Approval Date: 11/6/2006
Manufacturer: Cavalier Home Builders

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NA INC.

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: _____

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

**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.

FORM 600A-2004

EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1760.0	20.04	6348.7	Double,U=0.48,Tint	S	0.0	0.0	105.0	30.70	1.00	3223.5
				Double,U=0.48,Tint	N	0.0	0.0	25.0	16.96	1.00	423.9
				Double,U=0.48,Tint	N	0.0	0.0	15.0	16.96	1.00	254.3
				Double,U=0.48,Tint	N	0.0	0.0	14.7	16.96	1.00	249.2
				Double,U=0.48,Tint	W	0.0	0.0	7.5	32.93	1.00	247.0
				Double,U=0.48,Tint	N	0.0	0.0	16.0	16.96	1.00	271.3
				Double,U=0.48,Tint	N	0.0	0.0	32.5	16.96	1.00	551.0
				As-Built Total:				215.7			5220.3
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	469.0	0.90		413.1
Exterior	1402.3	1.70	2383.8	Frame, Wood, Exterior			19.0	470.8	0.90		423.7
				Frame, Wood, Exterior			19.0	232.5	0.90		209.3
				Frame, Wood, Exterior			19.0	240.0	0.90		216.0
Base Total:	1402.3		2383.8	As-Built Total:				1402.3			1262.0
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	1760.0	1.73	3044.8	Under Attic			33.0	1760.0	1.65 X 1.00		2906.2
Base Total:	1760.0		3044.8	As-Built Total:				1760.0			2906.2
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	1760.0	-1.90		-3344.0
Raised	1760.0	-3.99	-7022.4								
Base Total:			-7022.4	As-Built Total:				1760.0			-3344.0
INFILTRATION	Area X	BSPM =	Points						Area X	SPM =	Points
	1760.0	10.21	17969.6						1760.0	10.21	17969.6

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/8/2006
Manufacturer:	Cavalier Home Builders

APPROVED BY NTA INC.

FORM 600A-2004

EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 22968.5			**Summer As-Built Points:**					**24178.2**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
22968.5	0.4266	9798.4	24178.2	1.00	1.000	0.407	1.000	9851.4

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E6314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1760.0	12.74	4036.0	Double,U=0.48,Tint	S	0.0	0.0	105.0	4.80	1.00	504.3
				Double,U=0.48,Tint	N	0.0	0.0	25.0	14.08	1.00	352.1
				Double,U=0.48,Tint	N	0.0	0.0	15.0	14.08	1.00	211.3
				Double,U=0.48,Tint	N	0.0	0.0	14.7	14.08	1.00	207.0
				Double,U=0.48,Tint	W	0.0	0.0	7.5	10.89	1.00	81.7
				Double,U=0.48,Tint	N	0.0	0.0	16.0	14.08	1.00	225.3
				Double,U=0.48,Tint	N	0.0	0.0	32.5	14.08	1.00	457.7
				As-Built Total:				215.7			2039.4
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	459.0	2.20		1009.8
Exterior	1402.3	3.70	5188.3	Frame, Wood, Exterior			19.0	470.8	2.20		1035.7
				Frame, Wood, Exterior			19.0	232.5	2.20		511.5
				Frame, Wood, Exterior			19.0	240.0	2.20		528.0
Base Total:	1402.3		5188.3	As-Built Total:				1402.3			3085.0
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	1760.0	2.05	3608.0	Under Attic			33.0	1760.0	1.96 X	1.00	3449.6
Base Total:	1760.0		3608.0	As-Built Total:				1760.0			3449.6
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	1760.0	1.20		2112.0
Raised	1760.0	0.96	1689.6								
Base Total:			1689.6	As-Built Total:				1760.0			2112.0
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1760.0	-0.59	-1038.4					1760.0	-0.59		-1038.4

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

APPROVED BY NTA INC.

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13975.6**	**Winter As-Built Points:**					**9983.6**
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
13975.6	0.6274	8768.3	9983.6	1.00	1.000	0.590	1.000	5886.9

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3369-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223- 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 Multiplier	= Total	
3		2635.00	7905.0	50.0	0.91	3	1.00	2663.96	1.00	7991.9	
				As-Built Total:						7991.9	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9798	8768	7905	26472	9851	5887	7992	23730

PASS

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E6314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	E5314M-CENTRAL	Builder:	
Address:		Permitting Office:	
City, State:	LAKELAND, FL 33804-	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	Central		

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?	No	
6. Conditioned floor area (ft²)	1760 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble, U=0.5) 32.5 ft²	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 113.2 ft²	
8. Floor types		
a. Raised Wood, Stem Wall	R=11.0, 1760.0ft²	
b. N/A		
c. N/A		
9. Wall types		
a. Frame, Wood, Exterior	R=19.0, 459.0 ft²	
b. Frame, Wood, Exterior	R=19.0, 470.8 ft²	
c. Frame, Wood, Exterior	R=19.0, 232.5 ft²	
d. Frame, Wood, Exterior	R=19.0, 240.0 ft²	
e. N/A		
10. Ceiling types		
a. Under Attic	R=33.0, 1760.0 ft²	
b. N/A		
c. N/A		
11. Ducts		
a. N/A		
b. N/A		

12. Cooling systems		
a. N/A		
b. N/A		
c. N/A		
13. Heating systems		
a. N/A		
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
b. N/A	EF: 0.91	
c. Conservation credits (HR-Heat recovery, SW-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)		

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3642-3986-E5314M
Allow. Floor Load: 40 PSF
Approval Date: 11/6/2006
Manufacturer: Cavalier Home Builders

These plans comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Glass/Floor Area: 0.12	Total as-built points: 23290 Total base points: 25080	PASS

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

PREPARED BY: _____

DATE: 11-6-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: Charles M. Sheldon

DATE: 11/06/2006 Smp-015

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

EnergyGauge® (Version: FLRCSB v4.0)

PLAN # MFT-3359-3642-3986-E5314M

FORM 600A-2004

EnergyGauge® 4.0

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932- 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 cir 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 60 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.	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E6314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.9

The higher the score, the more efficient the home.

, , FT. MYERS, FL, 33932-

1.	New construction or existing	New		12.	Cooling systems
2.	Single family or multi-family	Single family		a.	N/A
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	3		b.	N/A
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1760 ft²		c.	N/A
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, U=0.5) 32.5 ft²		a.	N/A
b.	SHGC:				
	(or Clear or Tint DEFAULT)	7b. (Tint) 113.2 ft²		b.	N/A
8.	Floor types				
a.	Raised Wood, Stem Wall	R=11.0, 1760.0ft²		c.	N/A
b.	N/A				
c.	N/A			14.	Hot water systems
9.	Wall types			a.	Electric Resistance
a.	Frame, Wood, Exterior	R=19.0, 459.0 ft²			
b.	Frame, Wood, Exterior	R=19.0, 470.8 ft²		b.	N/A
c.	Frame, Wood, Exterior	R=19.0, 232.5 ft²			
d.	Frame, Wood, Exterior	R=19.0, 240.0 ft²		c.	Conservation credits
e.	N/A				(HR-Heat recovery, Solar
10.	Ceiling types				DHP-Dedicated heat pump)
a.	Under Attic	R=33.0, 1760.0 ft²		15.	HVAC credits
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,
c.	N/A				HF-Whole house fan,
11.	Ducts				PT-Programmable Thermostat,
a.	N/A				MZ-C-Multizone cooling,
b.	N/A				MZ-H-Multizone heating)

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Tank: 50.0 gallons
EF: 0.91

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.

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1760.0	25.78	8167.1	Double,U=0.48,Tint	S	0.0	0.0	105.0	35.69	1.00	3736.7
				Double,U=0.48,Tint	N	0.0	0.0	25.0	22.70	1.00	567.4
				Double,U=0.48,Tint	N	0.0	0.0	15.0	22.70	1.00	340.5
				Double,U=0.48,Tint	N	0.0	0.0	14.7	22.70	1.00	333.6
				Double,U=0.48,Tint	W	0.0	0.0	7.5	42.49	1.00	318.7
				Double,U=0.48,Tint	N	0.0	0.0	16.0	22.70	1.00	363.2
				Double,U=0.48,Tint	N	0.0	0.0	32.5	22.70	1.00	737.7
				As-Built Total:				215.7			6397.7
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	469.0	1.00		469.0
Exterior	1402.3	1.90	2664.3	Frame, Wood, Exterior			19.0	470.8	1.00		470.8
				Frame, Wood, Exterior			19.0	232.5	1.00		232.5
				Frame, Wood, Exterior			19.0	240.0	1.00		240.0
Base Total:	1402.3		2664.3	As-Built Total:				1402.3			1402.3
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:	40.0		192.0	As-Built Total:				40.0			192.0
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1760.0	2.13	3748.8	Under Attic			33.0	1760.0	2.02 X 1.00		3557.4
Base Total:	1760.0		3748.8	As-Built Total:				1760.0			3557.4
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	1760.0	-2.20		-3872.0
Raised	1760.0	-3.43	-6036.8								
Base Total:			-6036.8	As-Built Total:				1760.0			-3872.0
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1760.0	14.31	25185.6					1760.0	14.31		25185.6

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

NTA INC.

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 33921.0			**Summer As-Built Points:**					**32862.9**
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
33921.0	0.4266	14470.7	32862.9	1.00	1.000	0.407	1.000	13377.2

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3842-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1760.0	5.86	1856.4	Double,U=0.48,Tint	S	0.0	0.0	105.0	2.89	1.00	303.7
				Double,U=0.48,Tint	N	0.0	0.0	25.0	6.30	1.00	157.5
				Double,U=0.48,Tint	N	0.0	0.0	15.0	6.30	1.00	94.5
				Double,U=0.48,Tint	N	0.0	0.0	14.7	6.30	1.00	92.6
				Double,U=0.48,Tint	W	0.0	0.0	7.5	5.16	1.00	38.7
				Double,U=0.48,Tint	N	0.0	0.0	16.0	6.30	1.00	100.8
				Double,U=0.48,Tint	N	0.0	0.0	32.5	6.30	1.00	204.7
				As-Built Total:				215.7			992.3
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	459.0	1.10		504.9
Exterior	1402.3	2.00	2804.5	Frame, Wood, Exterior			19.0	470.8	1.10		517.8
				Frame, Wood, Exterior			19.0	232.5	1.10		255.8
				Frame, Wood, Exterior			19.0	240.0	1.10		264.0
Base Total:	1402.3		2804.5	As-Built Total:				1402.3			1542.5
DOOR TYPES	Area X	BWPM =	Points	Type				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	1760.0	0.64	1126.4	Under Attic			33.0	1760.0	0.61 X 1.00		1067.0
Base Total:	1760.0		1126.4	As-Built Total:				1760.0			1067.0
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	1760.0	0.50		880.0
Raised	1760.0	-0.20	-352.0								
Base Total:			-352.0	As-Built Total:				1760.0			880.0
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1760.0	-0.28	-492.8					1760.0	-0.28		-492.8

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E631
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

APPROVED BY NTA INC.

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**5146.5**	**Winter As-Built Points:**					**4193.0**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
5146.5	0.6274	3228.9	4193.0	1.00	1.000	0.585	1.000	2451.7

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804- 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 Multiplier	= Total
3		2460.00	7380.0	50.0	0.91	3		1.00	2487.03	1.00	7461.1
				As-Built Total:							7461.1

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
14471	3229	7380	25080	13377	2452	7461	23290

PASS

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	E5314M-SOUTH	Builder:	
Address:		Permitting Office:	
City, State:	FT. MYERS, FL 33932-	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	South		

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?	No	
6.	Conditioned floor area (ft²)	1760 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. (Dble, U=0.5) 32.5 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint) 113.2 ft²	
8.	Floor types		
	a. Raised Wood, Stem Wall	R=11.0, 1760.0ft²	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=19.0, 459.0 ft²	
	b. Frame, Wood, Exterior	R=19.0, 470.8 ft²	
	c. Frame, Wood, Exterior	R=19.0, 232.5 ft²	
	d. Frame, Wood, Exterior	R=19.0, 240.0 ft²	
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=33.0, 1760.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. N/A		
	b. N/A		
12.	Cooling systems		
	a. N/A		
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. N/A		
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance		50.0 gallons, EF: 0.91
	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)		

VB | R3 | One (1) | 130 MPH | 0 hr | MFT-3359-3642-3986-E5314M | 40 PSF | 11/6/2006 | Cavalier Home Builders

Const. Type: / Occupancy: / Allowable No. of Floors: / Wind Velocity: / Fire Rating of Ext. Walls: / Plan No.: / Allow. Floor Load: / Approval Date: / Manufacturer:

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

Glass/Floor Area: 0.12	Total as-built points: 26950 Total base points: 28301	PASS

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

PREPARED BY: _____

DATE: 11/1/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: 11/06/2006 SMP-015

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

EnergyGauge® (Version: FLRCSB v4.0)

PLAN # MFT-3359-3642-3986-E5314M

FORM 600A-2004

EnergyGauge® 4.0

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932- 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 cir 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.	

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.9

The higher the score, the more efficient the home.

, , FT. MYERS, FL, 33932-

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?	No
6.	Conditioned floor area (ft²)	1760 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, U=0.5) 32.5 ft²
	b. SHGC:	
	(or Clear or Tint DEFAULT) 7b.	(Tint) 113.2 ft²
8.	Floor types	
	a. Raised Wood, Stem Wall	R=11.0, 1760.0ft²
	b. N/A	
	c. N/A	
9.	Wall types	
	a. Frame, Wood, Exterior	R=19.0, 459.0 ft²
	b. Frame, Wood, Exterior	R=19.0, 470.8 ft²
	c. Frame, Wood, Exterior	R=19.0, 232.5 ft²
	d. Frame, Wood, Exterior	R=19.0, 240.0 ft²
	e. N/A	
10.	Ceiling types	
	a. Under Attic	R=33.0, 1760.0 ft²
	b. N/A	
	c. N/A	
11.	Ducts	
	a. N/A	
	b. N/A	
12.	Cooling systems	
	a. N/A	
	b. N/A	
	c. N/A	
13.	Heating systems	
	a. N/A	
	b. N/A	
	c. N/A	
14.	Hot water systems	
	a. Electric Resistance	Cap: 50.0 gallons EF: 0.91
	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)	

Const. Type: VB
Occupancy: R3
Allowable No. of Floors: One (1)
Wind Velocity: 130 MPH
Fire Rating of Ext. Walls: 0 hr
Plan No.: MFT-3359-3642-3886-E5314M
Allow. Floor Load: 40 PSF
Approval Date: 11/6/2006
Manufacturer: Cavalier Home Builders

This home complies with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY NTA INC.

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: _____

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

**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.

FORM 600A-2004 EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1760.0	32.50	10296.0	Double,U=0.48,Tint	S	0.0	0.0	105.0	49.66	1.00	5214.1
				Double,U=0.48,Tint	N	0.0	0.0	25.0	27.82	1.00	695.6
				Double,U=0.48,Tint	N	0.0	0.0	15.0	27.82	1.00	417.3
				Double,U=0.48,Tint	N	0.0	0.0	14.7	27.82	1.00	409.0
				Double,U=0.48,Tint	W	0.0	0.0	7.5	52.30	1.00	392.3
				Double,U=0.48,Tint	N	0.0	0.0	16.0	27.82	1.00	445.2
				Double,U=0.48,Tint	N	0.0	0.0	32.6	27.82	1.00	904.2
				As-Built Total:				216.7			8477.6
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	459.0	1.60		734.4
Exterior	1402.3	2.70	3786.1	Frame, Wood, Exterior			19.0	470.8	1.60		753.2
				Frame, Wood, Exterior			19.0	232.5	1.60		372.0
				Frame, Wood, Exterior			19.0	240.0	1.60		384.0
Base Total:	1402.3		3786.1	As-Built Total:				1402.3			2243.6
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	1760.0	2.80	4928.0	Under Attic			33.0	1760.0	2.64 X 1.00		4650.6
Base Total:	1760.0		4928.0	As-Built Total:				1760.0			4650.6
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	1760.0	-0.60		-1056.0
Raised	1760.0	-2.16	-3801.6								
Base Total:			-3801.6	As-Built Total:				1760.0			-1056.0
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1760.0	18.79	33070.4					1760.0	18.79		33070.4

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E6314
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

APPROVED BY NTA INC.

FORM 600A-2004

EnergyGauge® 4.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 48534.9			**Summer As-Built Points:**					**47642.4**
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
48534.9	0.4266	20705.0	47642.4	1.00	1.000	0.409	1.000	19486.3

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004 EnergyGauge® 4.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1760.0	2.36	747.6	Double,U=0.48,Tint	S	0.0	0.0	105.0	1.54	1.00	161.3
				Double,U=0.48,Tint	N	0.0	0.0	25.0	2.54	1.00	63.4
				Double,U=0.48,Tint	N	0.0	0.0	15.0	2.54	1.00	38.0
				Double,U=0.48,Tint	N	0.0	0.0	14.7	2.54	1.00	37.3
				Double,U=0.48,Tint	W	0.0	0.0	7.5	2.23	1.00	16.7
				Double,U=0.48,Tint	N	0.0	0.0	16.0	2.54	1.00	40.6
				Double,U=0.48,Tint	N	0.0	0.0	32.5	2.54	1.00	82.4
				As-Built Total:				215.7			439.7
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	469.0	0.30		137.7
Exterior	1402.3	0.60	841.4	Frame, Wood, Exterior			19.0	470.8	0.30		141.2
				Frame, Wood, Exterior			19.0	232.5	0.30		69.8
				Frame, Wood, Exterior			19.0	240.0	0.30		72.0
Base Total:	1402.3		841.4	As-Built Total:				1402.3			420.7
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	1760.0	0.10	176.0	Under Attic			33.0	1760.0	0.09 X	1.00	162.8
Base Total:	1760.0		176.0	As-Built Total:				1760.0			162.8
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	1760.0	0.00		0.0
Raised	1760.0	-0.28	-492.8								
Base Total:			-492.8	As-Built Total:				1760.0			0.0
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1760.0	-0.06	-105.6					1760.0	-0.06		-105.6

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

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FORM 600A-2004

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WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**1238.6**	**Winter As-Built Points:**					**989.6**
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
1238.6	0.6274	777.1	989.6	1.00	1.000	0.576	1.000	569.6

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

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Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3842-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/6/2006
Manufacturer:	Cavalier Home Builders

FORM 600A-2004

EnergyGauge® 4.0

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932- 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 Multiplier	= Total	
3		2273.00	6819.0	50.0	0.91	3	1.00	2297.98	1.00	6893.9	
				As-Built Total:						6893.9	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
20705	777	6819	28301	19486	570	6894	26950

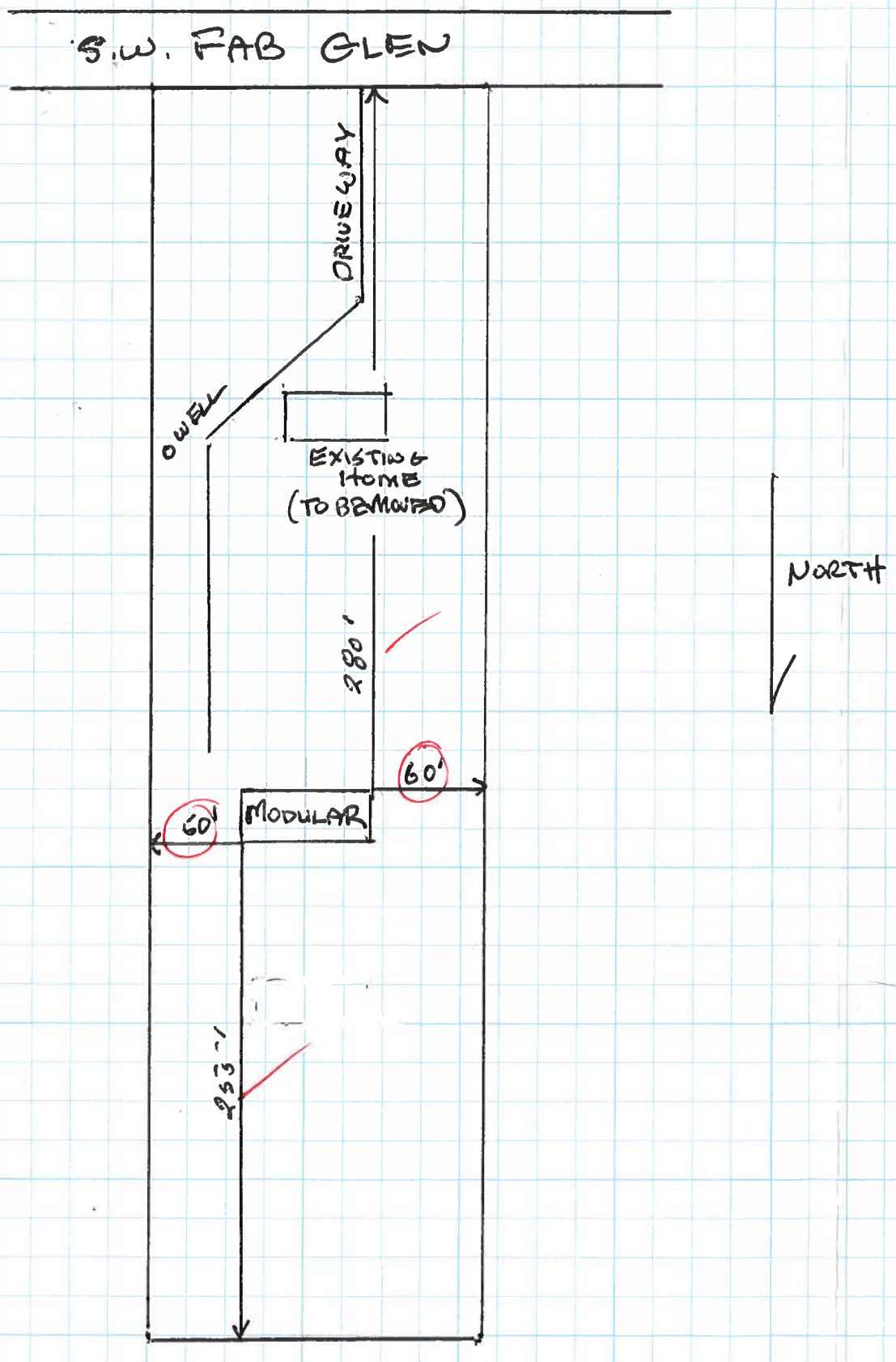
PASS

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

NTA INC.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5314M
Allow. Floor Load:	40 PSF
Approval Date:	11/8/2006
Manufacturer:	Cavalier Home Builders



SITE PLAN

OWNER: CHARLIE AND SAMANTHA JOLIFFE
CONTRACTOR: BILL HARPER
PARCEL I.D.# 18-4S-16-03059-016