

DATE 12/08/2006

**Columbia County Building Permit**

This Permit Expires One Year From the Date of Issue

**PERMIT**

000025295

APPLICANT	WILLIAM HARPER	PHONE	752-2571
ADDRESS	19 SW HOBBY PLACE	LAKE CITY	FL 32024
OWNER	KIMBERLY & ZACHARY MEARS	PHONE	288-8020
ADDRESS	356 SW PAUL ALLISON COURT	LAKE CITY	FL 32024
CONTRACTOR	WILLIAM HARPE	PHONE	752-2571
LOCATION OF PROPERTY	90W, TL ON 247S, TR ON MILL RD, TR ON PAUL ALLISON, HOME ON LEFT		
TYPE DEVELOPMENT	MODULAR	ESTIMATED COST OF CONSTRUCTION	0.00
HEATED FLOOR AREA		TOTAL AREA	HEIGHT STORIES 1
FOUNDATION	WALLS	ROOF PITCH	FLOOR
LAND USE & ZONING	A-3	MAX. HEIGHT	14
Minimum Set Back Requirements:	STREET-FRONT 30.00	REAR 25.00	SIDE 25.00
NO. EX.D.U.	1 X PS	DEVELOPMENT PERMIT NO.	
PARCEL ID	36-4S-15-00414-104	SUBDIVISION	
LOT	BLOCK	PHASE	UNIT TOTAL ACRES

RR28281142

*W. Bush H. M. M.*

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	06-1059-E	BK	JH Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 1179

**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 0.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00

MISC. FEES \$ 200.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$

FLOOD DEVELOPMENT FEE \$ *✓* FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ *✓* TOTAL FEE 275.00INSPECTORS 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 INCONVENIENCE, 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.





STATE OF FLORIDA  
DEPARTMENT OF HEALTH

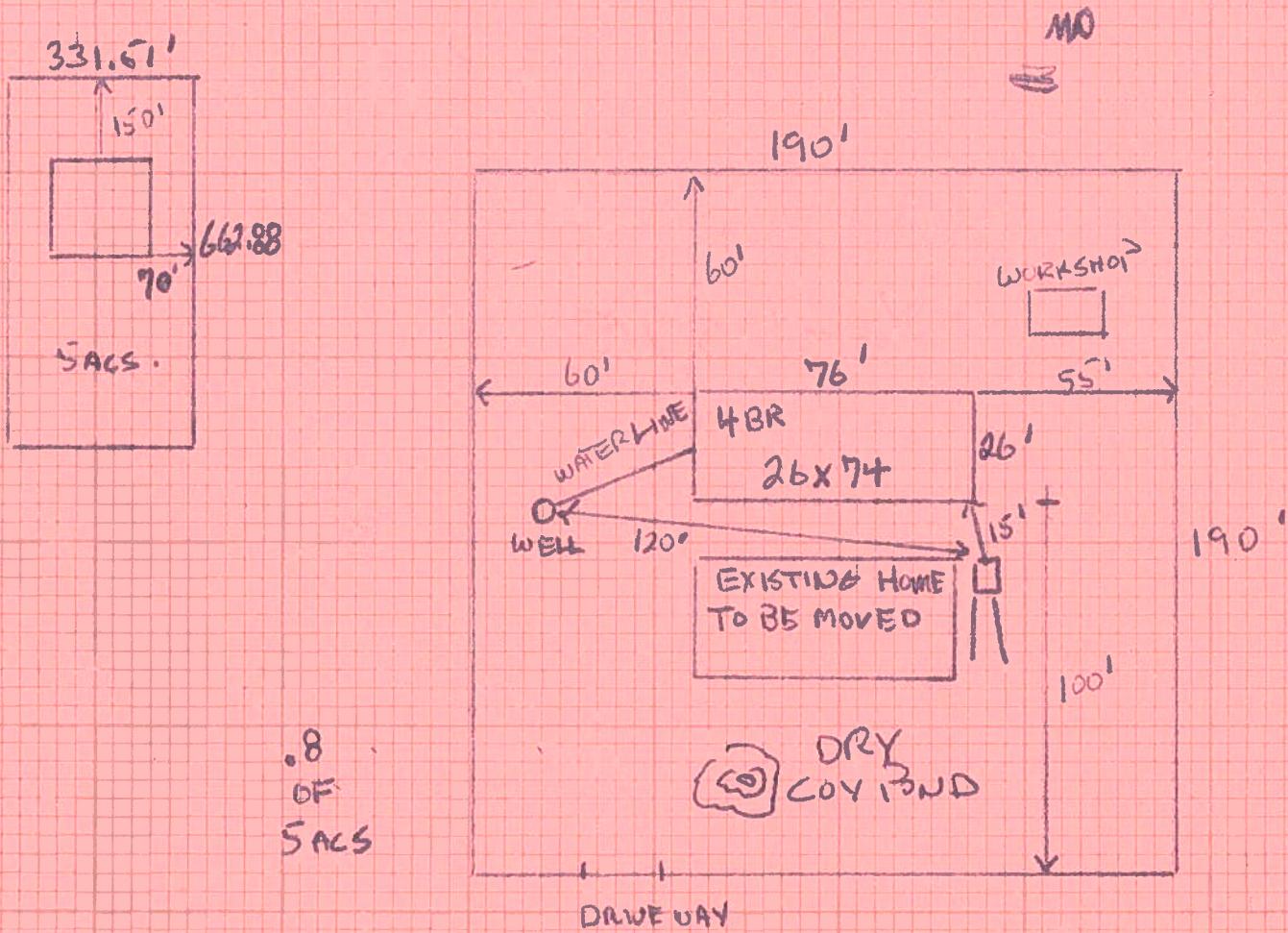
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-1059E

years

PART II - SITE PLAN

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



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

Original Attached

Site Plan submitted by:

Walter L. Auger

Signature

Agent

Title

Plan Approved K

Not Approved \_\_\_\_\_

Date \_\_\_\_\_

By

Sallie Haddy (SH)

County Health Department

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT**

@ CAM112M01 S CamaUSA Appraisal System  
 12/01/2006 13:03 Legal Description Maintenance  
 Year T Property Sel  
 2007 R 36-4S-15-00414-104  
 356 PAUL ALLISON CT SW LAKE CITY  
 HX MEARS KIMBERLY K & ZACHARY

Columbia	County
44500	Land 002
	AG 000
67954	Bldg 001 *
	1900 Xfea 002
114354	TOTAL B

1	S1/2 OF SW1/4 OF NW1/4 OF	SE1/4.. ORB 788-696,, 825-875,,	2
3	833-2349,, 968-2137,, 995-2198,,	WD 995-2200..	4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 10/01/2003 KYLIE

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

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

Client: Cavalier  
Job Number: Shearwall Calcs  
Description:

Building Geometry:	Loading Conditions:	Height Above Grade:
Ridge Length, B =	76.0 ft	Basic Wind Speed ( $V_{3s}$ ) = 140 & 130 mph
Total Width, L =	28.7 ft	Importance Factor ( $I_w$ ) = 1.00
Blocking Height, $h_b$ =	18.0 in.	Exposure Category: C
Sidewall/Eave Height, $h_e$ =	120.0 in.	Topographic Factor ( $K_{z1}$ ) = 1.0
Roof Slope, $a$ =	6.24 /12 pitch	Height & Exposure ( $K_h$ ) = 0.89
Roof slope, $a$ =	27.5 deg.	Directionality ( $K_d$ ) = 0.85
Sidewall Overhang, $L_{OH}$ =	12.0 in.	MWFRS End Zone, $2a$ = 6.0 ft
Endwall Overhang, $B_{OH}$ =	12.0 in.	

NET Horizontal Wind Loads (MWFRS)		Wind Speed ( $V_{3s}$ )	
		130	140
Transversal	Wind Pressure ( $q_h$ )	32.7	37.9
	Wall	40.4	48.9
	Interior	30.8	35.5
	Roof	16.4	19.0
Longitudinal	Wall	13.9	16.1
	Interior	34.0	39.4
	Roof	22.5	26.1
	Interior	16.4	19.0
		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 ( $V_{3s}$ )			
Zone	130	140	
Roof Diaphragm	End	304	353
	Interior	241	280

Sliding Pressures (plf)Sliding Design Loads

Wind Speed ( $V_{3s}$ )			
Zone	130	140	
Floor Diaphragm	End	527	611
	Interior	410	476


Total Force to Shearwalls (each side)

Bracing 1 Floor and Roof	Unit Length	Shearwall Force Per End of Unit (lbf)				Sliding Force Per End of Unit (lbf)			
		Wind Speed ( $V_{3s}$ )		Wind Speed ( $V_{3s}$ )		Wind Speed ( $V_{3s}$ )		Wind Speed ( $V_{3s}$ )	
		130	140	130	140	130	140	130	140
	30	3998	4837			6498	7637		
	35	4601	5337			7523	8725		
	40	5205	6036			8548	9913		
	45	5808	6736			9572	11101		
	50	6412	7436			10597	12290		
	55	7015	8138			11621	13478		
	60	7619	8836			12646	14666		
	65	8222	9536			13671	15855		
	70	8826	10236			14695	17043		
	76	9550	11076	2803	3251	15925	18469	4845	5387

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

APPROVED BY



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-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

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**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 Unit Length (ft)	Blocking needed (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**



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-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

A handwritten signature in black ink, appearing to read 'Cavalier Home Builders'.

4.2

Use a ply/OSB strip fastened with 0.131" x 2.5" 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	Unit Length (ft)	Endwall Nail Spacing (" O.C.)		Sidewall Nail Spacing (" O.C.)	
		Wind Speed MPH	Wind Speed MPH	Wind Speed MPH	Wind Speed MPH
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)

		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" x 2.5" 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**



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-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2008
Manufacturer:	Cavalier Home Builders

Jan 11, 1976

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**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 Length	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
	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 Length	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
	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 furring 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**

**NA 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-3359-3842-3888-E6307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

*[Handwritten Signature]*

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**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 % FHS	6" O.C. edge		4" O.C. edge		3" O.C. edge		2" O.C. edge	
	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	5	5
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) determined 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

**NIA 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-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders



4.5

Overturning strapping 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	17587	8783	5856	4392	3513	2928	2510	2196	1952	1757	
45	19603	9802	6534	4901	3921	3287	2800	2450	2178	1960	
50	21640	10820	7213	5410	4328	3607	3091	2705	2404	2164	
55	23677	11838	7892	5919	4735	3946	3382	2980	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	4966	4255	3723	3310	2979	
76	32231	16116	10744	8058	6448	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) determined 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:

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-E6307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

APPROVED BY

**NIA** INC.

*[Signature]*

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CAVALIER HOME BUILDERS, ELECTRICAL FEEDER CALCULATION

Date: 10/18/2006

Prepared By: Scott Lee

Model # N/A

Job # E5307M

Size 74 x 26.67

lighting load  sqft. x 3 w/ft =  watts

Small App. & Laundry  x 1500 watts =  watts

Name Plate Ratings or Fixed Appliances and Motors

Furnace Blower	<input type="text" value="0"/>
Exhaust	<input type="text" value="960"/>
Disposal	<input type="text" value="0"/>
D/W	<input type="text" value="1200"/>
W/H	1- @ 5500watts
Dryer	1- @ 5500watts
Range	1- @ 5200watts
Oven	<input type="text" value="0"/>
Cooktop	<input type="text" value="0"/>
Ice	<input type="text" value="0"/>
Security/Exit	<input type="text" value="0"/>
Special Devices	<input type="text" value="0"/>

<input type="text" value="0"/>
<input type="text" value="960"/>
<input type="text" value="0"/>
<input type="text" value="1200"/>
<input type="text" value="5500"/>
<input type="text" value="5000"/>
<input type="text" value="5200"/>
<input type="text" value="0"/>

Subtotal

100% of 1st 10Kw	<input type="text" value="10000"/>
40% of remainder	<input type="text" value="7312.296"/>

<input type="text" value="10000"/>
<input type="text" value="7312.296"/>

Air Conditioning @ 100%

Total <input type="text" value="37312.3"/>	watts
<input type="text" value="240"/>	volts

=  Amps

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

Const. Type:	<input type="text" value="VB"/>
Occupancy:	<input type="text" value="R3"/>
Allowable No. of Floors:	<input type="text" value="One (1)"/>
Wind Velocity:	<input type="text" value="130 MPH"/>
Fire Rating of Ext. Walls:	<input type="text" value="0 hr"/>
Plan No.:	<input type="text" value="MFT-3359-3842-3986-E5307M"/>
Allow. Floor Load:	<input type="text" value="40 PSF"/>
Approval Date:	<input type="text" value="11/15/2006"/>
Manufacturer:	<input type="text" value="Cavaller Home Builders"/>

APPROVED BY

**NIA** INC.



\*\*\*\*\*  
E-Z HEATLOSS (95) 6.0J Copyright 1986-2003, Thomas & Associates, Bellaire, MI 49615  
(231) 533-8472  
\*\*\*\*\*

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

10-17-2006

E5307M

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

Bedroom (#3)

CEILING HEIGHT IS 9. FEET, VOLUME IS 1260 CUBIC FEET  
1 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>> 15. SQUARE FEET  
2 EXPOSED WALLS, not including openings, TOTALING >>> 214.5 SQUARE FEET  
ROOM SIZE IS 10.5 LONG by 13.3 WIDE, TOTALING >> 157.5 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	944	579	BTUH
The Total BTUH for the Exposed Openings are	503	1170	BTUH
The total BTUH for the ceilings	284	284	BTUH
The total BTUH for the floors	308	0	BTUH
The BTUH infiltration for the openings is	1250	398	BTUH
DUCT LOSS OR DUCT GAIN for this room is	164	0	BTUH
SENSIBLE HEAT GAIN		3031	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	3453	BTUH	
The total CFM of air required for this room is	90	162	CFM

Bath (#1)

CEILING HEIGHT IS 9. FEET, VOLUME IS 1119 CUBIC FEET  
0 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>> . SQUARE FEET  
1 EXPOSED WALLS, not including openings, TOTALING >>> 84. SQUARE FEET  
ROOM SIZE IS 9.3 LONG by 13.3 WIDE, TOTALING >> 124.4 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	369	227	BTUH
The Total BTUH for the Exposed Openings are	0	0	BTUH
The total BTUH for the ceilings	224	224	BTUH
The total BTUH for the floors	274	0	BTUH
The BTUH infiltration for the openings is	0	0	BTUH

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

APPROVED BY

**NIA** INC.

Const. Type: VB Page # 1  
Occupancy: R3  
Allowable No.  
of Floors:  
Wind Velocity:  
Fire Rating of  
Ext. Walls:  
0 hr  
Plan No.: MFT-3359-3642-3986-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders



DUCT LOSS OR DUCT GAIN for this room is	43	0 BTUH
SENSIBLE HEAT GAIN		451 BTUH
THE TOTAL BTUH FOR THIS ROOM IS	910 BTUH	
The total CFM of air required for this room is	24	24 CFM

---

#### Bedroom (#2)

CEILING HEIGHT IS 9. FEET,	VOLUME IS	1239 CUBIC FEET
1 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>>>> 15. SQUARE FEET		
1 EXPOSED WALLS, not including openings, TOTALING >>> 78. SQUARE FEET		
ROOM SIZE IS 10.3 LONG by 13.3 WIDE, TOTALING >> 137.7 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	343	211 BTUH
The Total BTUH for the Exposed Openings are	503	1170 BTUH
The total BTUH for the ceilings	248	248 BTUH
The total BTUH for the floors	303	0 BTUH
The BTUH infiltration for the openings is	1250	398 BTUH
DUCT LOSS OR DUCT GAIN for this room is	132	0 BTUH
SENSIBLE HEAT GAIN		2627 BTUH
THE TOTAL BTUH FOR THIS ROOM IS	2779 BTUH	
The total CFM of air required for this room is	72	141 CFM

---

#### STUDY

CEILING HEIGHT IS 9. FEET,	VOLUME IS	1280 CUBIC FEET
1 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>>>> 15. SQUARE FEET		
1 EXPOSED WALLS, not including openings, TOTALING >>> 81. SQUARE FEET		
ROOM SIZE IS 10.7 LONG by 13.3 WIDE, TOTALING >> 142.2 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.	0	BTUH
The Total BTUH for the outside walls are	357	219 BTUH
The Total BTUH for the Exposed Openings are	503	1170 BTUH
The total BTUH for the ceilings	256	256 BTUH
The total BTUH for the floors	313	0 BTUH
The BTUH infiltration for the openings is	1250	398 BTUH
DUCT LOSS OR DUCT GAIN for this room is	134	0 BTUH
SENSIBLE HEAT GAIN		2043 BTUH
THE TOTAL BTUH FOR THIS ROOM IS	2813 BTUH	
The total CFM of air required for this room is	73	109 CFM

---

#### GREATROOM A

CEILING HEIGHT IS 9. FEET,	VOLUME IS	2099 CUBIC FEET
3 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>>>> 50. SQUARE FEET		
1 EXPOSED WALLS, not including openings, TOTALING >>> 107.5 SQUARE FEET		
ROOM SIZE IS 17.5 LONG by 13.3 WIDE, TOTALING >> 233.3 SQUARE FEET		

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

Const. Type:	VB	Page # 2
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-E6307M	
Allow. Floor Load:	40 PSF	
Approval Date:	11/16/2008	
Manufacturer:	Cavalier Home Builders	

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 NIA INC.



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.	300	BTUH	
The Total BTUH for the outside walls are	473	290	BTUH
The Total BTUH for the Exposed Openings are	1193	2454	BTUH
The total BTUH for the ceilings	420	420	BTUH
The total BTUH for the floors	513	0	BTUH
The BTUH infiltration for the openings is	4169	1326	BTUH
DUCT LOSS OR DUCT GAIN for this room is	338	0	BTUH
SENSIBLE HEAT GAIN		4790	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	7106	BTUH	
The total CFM of air required for this room is	185	256	CFM

#### Bedroom (Master)

CEILING HEIGHT IS 9. FEET, VOLUME IS 1860 CUBIC FEET  
 2 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>> 30. SQUARE FEET  
 2 EXPOSED WALLS, not including openings, TOTALING >>> 229.5 SQUARE FEET  
 ROOM SIZE IS 15.5 LONG by 13.3 WIDE, TOTALING >> 206.6 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.	600	BTUH	
The Total BTUH for the outside walls are	1010	620	BTUH
The Total BTUH for the Exposed Openings are	1005	2340	BTUH
The total BTUH for the ceilings	372	372	BTUH
The total BTUH for the floors	455	0	BTUH
The BTUH infiltration for the openings is	2501	796	BTUH
DUCT LOSS OR DUCT GAIN for this room is	267	0	BTUH
SENSIBLE HEAT GAIN		4728	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	5610	BTUH	
The total CFM of air required for this room is	146	253	CFM

#### Bath (Master)

CEILING HEIGHT IS 9. FEET, VOLUME IS 1839 CUBIC FEET  
 3 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>>> 31. SQUARE FEET  
 2 EXPOSED WALLS, not including openings, TOTALING >>> 226.9 SQUARE FEET  
 ROOM SIZE IS 15.3 LONG by 13.3 WIDE, TOTALING >> 204.3 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	999	613	BTUH
The Total BTUH for the Exposed Openings are	1039	2051	BTUH
The total BTUH for the ceilings	368	368	BTUH
The total BTUH for the floors	450	0	BTUH
The BTUH infiltration for the openings is	2584	822	BTUH

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

Const. Type: VB  
 Occupancy: R3 Page # 3  
 Allowable No. of Floors: One (1)  
 Wind Velocity: 130 MPH  
 Fire Rating of Ext. Walls: 0 hr  
 Plan No.: MFT-3359-3642-3986-E5307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/15/2006  
 Manufacturer: Cavalier Home Builders

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 NIA INC.


 11-21-06

DUCT LOSS OR DUCT GAIN for this room is	272	0	BTUH
SENSIBLE HEAT GAIN		3854	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	5712	BTUH	
The total CFM of air required for this room is	148	206	CFM

---

#### GREATROOM B

CEILING HEIGHT IS 9. FEET, VOLUME IS 2099 CUBIC FEET  
 2 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>> 30. SQUARE FEET  
 1 EXPOSED WALLS, not including openings, TOTALING >>> 127.5 SQUARE FEET  
 ROOM SIZE IS 17.5 LONG by 13.3 WIDE, TOTALING >> 233.3 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.	300	BTUH	
The Total BTUH for the outside walls are	561	344	BTUH
The Total BTUH for the Exposed Openings are	1005	2340	BTUH
The total BTUH for the ceilings	420	420	BTUH
The total BTUH for the floors	513	0	BTUH
The BTUH infiltration for the openings is	2501	796	BTUH
DUCT LOSS OR DUCT GAIN for this room is	250	0	BTUH
SENSIBLE HEAT GAIN		4200	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	5250	BTUH	
The total CFM of air required for this room is	136	225	CFM

---

#### DINING/KITCHEN

CEILING HEIGHT IS 9. FEET, VOLUME IS 2699 CUBIC FEET  
 3 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>> 37.5 SQUARE FEET  
 1 EXPOSED WALLS, not including openings, TOTALING >>> 165. SQUARE FEET  
 ROOM SIZE IS 22.5 LONG by 13.3 WIDE, TOTALING >> 299.9 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.	1200	BTUH	
The Total BTUH for the outside walls are	726	446	BTUH
The Total BTUH for the Exposed Openings are	1256	2925	BTUH
The total BTUH for the ceilings	540	540	BTUH
The total BTUH for the floors	660	0	BTUH
The BTUH infiltration for the openings is	3126	995	BTUH
DUCT LOSS OR DUCT GAIN for this room is	315	0	BTUH
SENSIBLE HEAT GAIN		6106	BTUH
THE TOTAL BTUH FOR THIS ROOM IS	6623	BTUH	
The total CFM of air required for this room is	172	327	CFM

---

#### UTILITY

CEILING HEIGHT IS 9. FEET, VOLUME IS 960 CUBIC FEET  
 1 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>> 20. SQUARE FEET  
 1 EXPOSED WALLS, not including openings, TOTALING >>> 52. SQUARE FEET  
 ROOM SIZE IS 8. LONG by 13.3 WIDE, TOTALING >> 106.6 SQUARE FEET

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-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/16/2008
Manufacturer:	Cavalier Home Builders

Page # 4

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 NIA INC.



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

Additional BTUH for people, Appliances etc.	1200	BTUH	
The Total BTUH for the outside walls are	229	140	BTUH
The Total BTUH for the Exposed Openings are	188	114	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	1668	531	BTUH
DUCT LOSS OR DUCT GAIN for this room is	126	0	BTUH
<b>SENSIBLE HEAT GAIN</b>		<b>2177</b>	<b>BTUH</b>
<b>THE TOTAL BTUH FOR THIS ROOM IS</b>	<b>2638</b>	<b>BTUH</b>	
The total CFM of air required for this room is	69	116	CFM

### Bedroom (#4)

CEILING HEIGHT IS 9. FEET, VOLUME IS 1320 CUBIC FEET  
1 EXPOSED OPENINGS, TOTALING >>>>>>>>>>>>>> 15. SQUARE FEET  
2 EXPOSED WALLS, not including openings, TOTALING >>> 204. SQUARE FEET  
ROOM SIZE IS 11. LONG by 13.3 WIDE, TOTALING >> 146.6 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

Additional BTUH for people, Appliances etc.	600	BTUH
The Total BTUH for the outside walls are	897	551
The Total BTUH for the Exposed Openings are	503	1170
The total BTUH for the ceilings	264	264
The total BTUH for the floors	323	0
The BTUH infiltration for the openings is	1250	398
DUCT LOSS OR DUCT GAIN for this room is	162	0
SENSIBLE HEAT GAIN		2983
THE TOTAL BTUH FOR THIS ROOM IS	3399	BTUH
The total CFM of air required for this room is	88	160
		CFM

**T O T A L S**

Additional BTUH for people, Appliances etc.	5400	BTUH
The Total BTUH for the walls above grade are	6908	4240 BTUH
The Total BTUH for the walls below grade are	0	
The Total BTUH for the Exposed openings are	7698	16904 BTUH
The total BTUH for the ceilings	3588	3588 BTUH
The total BTUH for the floors	4347	0 BTUH
The BTUH infiltration for the openings is	21549	6858 BTUH

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-3359-3842-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

Page # 5

**APPROVED BY**

NTA INC.

DUCT LOSS OR DUCT GAIN	2203	0	BTUH
TOTAL SENSIBLE HEAT GAIN		36990	BTUH
LATENT GAIN		8356	BTUH
T O T A L   B T U H,   T H I S   B U I L D I N G	46293	45346	BTUH
THE total CFM of air required	1202	1978	CFM

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Page # 6

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

APPROVED BY



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-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2008
Manufacturer:	Cavalier Home Builders

⑨ 06-583 American Title

25295

THIS INSTRUMENT WAS PREPARED BY:  
FIRST FEDERAL SAVINGS BANK OF FLORIDA  
4705 WEST U.S. HIGHWAY 90  
P.O. BOX 2029  
LAKE CITY, FLORIDA 32056

Inst: 2006021802 Date: 10/17/2008 Time: 13:30  
P.O. Box, P.O. DeWitt Cason, Columbia County B:1099 P:593

PERMIT NO. \_\_\_\_\_

TAX FOLIO NO. R00414-104

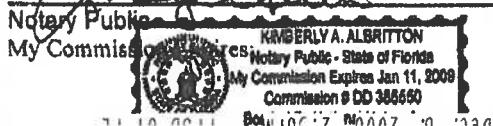
## NOTICE OF COMMENCEMENT

STATE OF FLORIDA  
COUNTY OF Columbia

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: The South 1/2 of the Southwest 1/4 of the Northwest 1/4 of the Southeast 1/4 of Section 36, Township 4 South, Range 15 East, Columbia County, Florida.
2. General description of improvement: Construction of Dwelling
3. Owner information:
  - a. Name and address: Kimberly K. Mears and Zachary Mears  
356 SW Paul Allison Court, Lake City, FL 32024
  - b. Interest in property: Fee Simple
  - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): Better Bilt Homes  
3993 West US Hwy 90, Lake City, FL 32055
5. Surety:
  - a. Name and address: N/A
  - b. Amount of bond: \_\_\_\_\_
6. Lender: **FIRST FEDERAL SAVINGS BANK OF FLORIDA**  
4705 WEST U.S. HIGHWAY 90  
P. O. BOX 2029  
LAKE CITY, FLORIDA 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL SAVINGS BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).  
Kimberly K. Mears  
Borrower Name  
Zachary Mears  
Co-Borrower Name

The foregoing instrument was acknowledged before me this 10th day of October, 2008, by Kimberly K. Mears and Zachary Mears, who is personally known to me or who has produced driver's license for identification.



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

## Residential Whole Building Performance Method A

Project Name:	E5307M-NORTH			Builder:	William HARPER		
Address:				Permitting Office:	Columbr. 4		
City, State:	JACKSONVILLE, FL 32223-			Permit Number:	25295		
Owner:				Jurisdiction Number:	221000		
Climate Zone:	North						
1. New construction or existing	New			12. Cooling systems			
2. Single family or multi-family	Single family			a. N/A	VB		
3. Number of units, if multi-family	1			b. N/A	R3		
4. Number of Bedrooms	4			c. N/A		One (1)	
5. Is this a worst case?	No					130 MPH	
6. Conditioned floor area (ft <sup>2</sup> )	1974 ft <sup>2</sup>					0 hr	
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)						40 PSF	
a. U-factor: (or Single or Double DEFAULT) 7a. (Dble, U=0.5) 105.0 ft <sup>2</sup>	Description	Area					
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint)	212.2 ft <sup>2</sup>					
8. Floor types				13. Heating systems			
a. Raised Wood, Stem Wall	R=11.0, 1974.0 ft <sup>2</sup>			a. N/A	Const. Type:		
b. N/A				b. N/A	Occupancy:		
c. N/A				c. N/A	Allowable No. of Floors:		
9. Wall types					Wind Velocity:		
a. Frame, Wood, Exterior	R=19.0, 561.0 ft <sup>2</sup>				Fire Rating of Ext. Walls:		
b. Frame, Wood, Exterior	R=19.0, 567.0 ft <sup>2</sup>				Plan No.:		
c. Frame, Wood, Exterior	R=19.0, 240.0 ft <sup>2</sup>				Allow. Floor Load:		
d. Frame, Wood, Exterior	R=19.0, 232.5 ft <sup>2</sup>				Approval Date:		
e. N/A					Manufacturer:		
10. Ceiling types							
a. Under Attic	R=33.0, 1974.0 ft <sup>2</sup>						
b. N/A							
c. N/A							
11. Ducts							
a. N/A							
b. N/A							

14. Hot water systems prints comply with the Florida Manufactured Building and adopted Codes and adhere to the following criteria:  
a. Electric Resistance  
b. N/A  
c. Conservation credits (HR-Heat recovery, SELL-  
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 BY  Cap: 50.0 gallons  
EF: 0.91

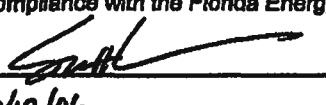
*John M. [Signature]*

Glass/Floor Area: 0.11

Total as-built points: 28794  
Total base points: 31399

PASS

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

PREPARED BY: 

DATE: 10/17/06

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: \_\_\_\_\_



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b> .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC      Omt   Len   Hgt   Area X SPM X SOF = Points							
.18      1974.0      20.04      7120.8				Double,U=0.48,Tint      E      0.0      0.0      105.0      35.85      1.00      3784.0 Double,U=0.48,Tint      W      0.0      0.0      99.7      32.83      1.00      3283.6 Double,U=0.48,Tint      N      0.0      0.0      7.5      16.96      1.00      127.2							
				As-Built Total:      212.2      7174.7							
<b>WALL TYPES</b> Area X BSPM = Points				Type      R-Value      Area X SPM = Points							
Adjacent      0.0      0.00      0.0 Exterior      1600.5      1.70      2720.9				Frame, Wood, Exterior      19.0      561.0      0.90      504.9 Frame, Wood, Exterior      19.0      567.0      0.90      510.3 Frame, Wood, Exterior      19.0      240.0      0.90      216.0 Frame, Wood, Exterior      19.0      232.5      0.90      209.3							
Base Total:      1600.5      2720.9				As-Built Total:      1600.5      1440.4							
<b>DOOR TYPES</b> Area X BSPM = Points				Type      Area X SPM = Points							
Adjacent      0.0      0.00      0.0 Exterior      40.0      8.10      244.0				Exterior Insulated      40.0      4.10      164.0							
Base Total:      40.0      244.0				As-Built Total:      40.0      164.0							
<b>CEILING TYPES</b> Area X BSPM = Points				Type      R-Value      Area X SPM X SCM = Points							
Under Attic      1974.0      1.73      3415.0				Under Attic      33.0      1974.0      1.65 X 1.00      3259.6							
Base Total:      1974.0      3415.0				As-Built Total:      1974.0      3259.6							
<b>FLOOR TYPES</b> Area X BSPM = Points				Type      R-Value      Area X SPM = Points							
Slab      0.0(p)      0.0      0.0 Raised      1974.0      -3.89      -7876.3				Raised Wood, Stem Wall      11.0      1974.0      -1.80      -3750.6							
Base Total:      -7876.3				As-Built Total:      1974.0      -3750.6							
<b>INFILTRATION</b> Area X BSPM = Points				Area X SPM = Points							
1974.0      10.21      20154.5				1974.0      10.21      20154.5							

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

APPROVED BY



Const. Type:      VB  
Occupancy:      R3  
Allowable No. of Floors:  
Wind Velocity:      One (1)  
130 MPH  
Fire Rating of Ext. Walls:  
Plan No.:  
Allow. Floor Load:      0 hr  
MFT-3359-3842-3986-E6307M  
40 PSF  
Approval Date:      11/15/2006  
Manufacturer:      Cavalier Home Builders

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-

PERMIT #:

BASE	AS-BUILT
<b>Summer Base Points: 25778.8</b>	<b>Summer As-Built Points: 28442.7</b>
Total Summer X System Points = Cooling Points	Total Component (System - Points) X Cap Ratio Multiplier X Duct Multiplier X System Multiplier X Credit Multiplier = Cooling Points (DM x DSM x AHU)
<b>25778.8</b>	<b>28442.7</b>
<b>0.4266</b>	<b>1.00</b>
<b>10997.2</b>	<b>1.000</b>
	<b>0.407</b>
	<b>1.000</b>
	<b>11589.0</b>

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

APPROVED BY



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-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2008
Manufacturer:	Cavalier Home Builders

# **WINTER CALCULATIONS**

## Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-

PERMIT #:

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-3350-3642-3886-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

**APPROVED BY**



# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-

PERMIT #:

<b>BASE</b>		<b>AS-BUILT</b>							
<b>Winter Base Points:</b>		<b>Winter As-Built Points:</b>							
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						
15717.7	0.6274	9861.3	11107.5	1.00	1.000	0.590	1.000	6549.6	

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

**APPROVED BY**

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-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2008
Manufacturer:	Cavalier Home Builders

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: , JACKSONVILLE, FL, 32223-

PERMIT #:

BASE			AS-BUILT										
WATER HEATING			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	0.91	4		1.00	2663.96		1.00	10655.8
As-Built Total:												10655.8	

## CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Total Points
10997		9861		10540		31399	11589 6550 10656 28794

PASS



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

APPROVED BY



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-E6307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/15/2008  
 Manufacturer: Cavalier Home Builders

# 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; .6 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. <b>EXCEPTION:</b> Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joist members. <b>EXCEPTION:</b> 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 gypsum board & top plate; attic access. <b>EXCEPTION:</b> 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.	

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

## APPROVED BY



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-E6307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/16/2006  
 Manufacturer: Cavalier Home Builders

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 86.6**

**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	4							
5. Is this a worst case?	No							
6. Conditioned floor area (ft <sup>2</sup> )	1974 ft <sup>2</sup>							
7. Glass type <sup>1</sup> 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)	105.0 ft <sup>2</sup>						
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint)	212.2 ft <sup>2</sup>						
8. Floor types								
a. Raised Wood, Stem Wall	R=11.0, 1974.0 ft <sup>2</sup>							
b. N/A								
c. N/A								
9. Wall types								
a. Frame, Wood, Exterior	R=19.0, 561.0 ft <sup>2</sup>							
b. Frame, Wood, Exterior	R=19.0, 567.0 ft <sup>2</sup>							
c. Frame, Wood, Exterior	R=19.0, 240.0 ft <sup>2</sup>							
d. Frame, Wood, Exterior	R=19.0, 232.5 ft <sup>2</sup>							
e. N/A								
10. Ceiling types								
a. Under Attic	R=33.0, 1974.0 ft <sup>2</sup>							
b. N/A								
c. N/A								
11. Ducts								
a. N/A								
b. N/A								
12. Cooling systems								
a. N/A	VB							
b. N/A	R3							
c. N/A	One (1)							
	130 MPH							
13. Heating systems								
a. N/A	Const. Type:							
b. N/A	Occupancy:							
c. N/A	Allowable No. of Floors:							
	Wind Velocity:							
	Fire Rating of Ext. Walls:							
	Plan No.:							
	Allow. Floor Load:							
	Approval Date:							
	Manufacturer:							
	APPROVED BY							
								

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](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.**

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



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

## Residential Whole Building Performance Method A

Project Name:	E5307M-CENTRAL			Builder:				
Address:				Permitting Office:				
City, State:	LAKELAND, FL 33804-			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. N/A	V3		
3. Number of units, if multi-family	1				b. N/A	R3		
4. Number of Bedrooms	4				c. N/A	One (1)		
5. Is this a worst case?	No					130 MPH		
6. Conditioned floor area (ft <sup>2</sup> )	1974 ft <sup>2</sup>						0 hr	
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)				13. Heating systems				
a. U-factor: (or Single or Double DEFAULT)	Description	Area		a. N/A	Const. Type:			
7a. (Dble, U=0.5)	7a. (Dble, U=0.5)	105.0 ft <sup>2</sup>		b. N/A	Occupancy:			
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Tint)	212.2 ft <sup>2</sup>		c. N/A	Allowable No. of Floors:			
8. Floor types					Wind Velocity:			
a. Raised Wood, Stem Wall	R=11.0, 1974.0 ft <sup>2</sup>				Fire Rating of Ext. Walls:			
b. N/A					Plan No.:			
c. N/A					Allow. Floor Load:			
9. Wall types					Approval Date:			
a. Frame, Wood, Exterior	R=19.0, 561.0 ft <sup>2</sup>				Manufacturer:			
b. Frame, Wood, Exterior	R=19.0, 567.0 ft <sup>2</sup>							
c. Frame, Wood, Exterior	R=19.0, 240.0 ft <sup>2</sup>							
d. Frame, Wood, Exterior	R=19.0, 232.5 ft <sup>2</sup>							
e. N/A								
10. Ceiling types								
a. Under Attic	R=33.0, 1974.0 ft <sup>2</sup>							
b. N/A								
c. N/A								
11. Ducts								
a. N/A								
b. N/A								

APPROVED BY  
**NH INC.**

Cap: 50.0 gallons  
HF: 0.91

*[Signature]*

Glass/Floor Area: 0.11

Total as-built points: 28546

Total base points: 29724

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:** 10-17-06

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:** \_\_\_\_\_



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-

PERMIT #:

BASE				AS-BUILT									
<b>GLASS TYPES</b> .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Ornt Len Hgt Area X SPM X SOF = Points									
<b>.18</b> <b>1874.0</b> <b>25.78</b> <b>9180.2</b>				Double,U=0.48,Tint	E	0.0	0.0	105.0	46.98	1.00	4932.2		
				Double,U=0.48,Tint	W	0.0	0.0	99.7	42.49	1.00	4235.9		
				Double,U=0.48,Tint	N	0.0	0.0	7.5	22.70	1.00	170.2		
				As-Built Total:				212.2		9339.3			
<b>WALL TYPES</b> <b>Area X BSPM = Points</b>				Type	R-Value		Area	X SPM	=	Points			
Adjacent      0.0      0.00      0.0				Frame, Wood, Exterior	19.0		561.0	1.00	561.0				
Exterior      1800.5      1.00      3040.9				Frame, Wood, Exterior	19.0		567.0	1.00	567.0				
				Frame, Wood, Exterior	19.0		240.0	1.00	240.0				
				Frame, Wood, Exterior	19.0		232.5	1.00	232.5				
Base Total:      1800.5      3040.9				As-Built Total:				1800.5		1800.5			
<b>DOOR TYPES</b> <b>Area X BSPM = Points</b>				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				As-Built Total:				40.0		192.0			
<b>CEILING TYPES</b> <b>Area X BSPM = Points</b>				Type	R-Value		Area	X SPM X SCM	=	Points			
Under Attic      1874.0      2.13      4204.6				Under Attic	33.0		1974.0	2.02 X 1.00	3989.9				
Base Total:      1874.0      4204.6				As-Built Total:				1974.0		3989.9			
<b>FLOOR TYPES</b> <b>Area X BSPM = Points</b>				Type	R-Value		Area	X SPM	=	Points			
Slab      0.0(p)      0.0      0.0				Raised Wood, Stem Wall	11.0		1874.0	-2.20	-4342.8				
Raised      1874.0      -3.43      -6770.8				As-Built Total:				1974.0		-4342.8			
Base Total:      -6770.8				As-Built Total:				1974.0		-4342.8			
<b>INFILTRATION</b> <b>Area X BSPM = Points</b>				Area X SPM				= Points					
1874.0      14.31      28247.9				1974.0      14.31      28247.9				= Points					

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

APPROVED BY



Const. Type:      VB  
Occupancy:      R3  
Allowable No. of Floors:  
Wind Velocity:  
Fire Rating of:  
Ext. Walls:  
Plan No.:      MFT-3359-3042-3088-E5307M  
Allow. Floor Load:  
Approval Date:  
Manufacturer:  
One (1)  
130 MPH  
0 hr  
40 PSF  
11/16/2006  
Cavalier Home Builders

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-

PERMIT #:

BASE	AS-BUILT
<b>Summer Base Points: 38074.8</b>	<b>Summer As-Built Points: 39026.9</b>
Total Summer X System Points = Cooling Points	Total Component (System - Points) X Cap Ratio = Cooling Points (DM x DSM x AHU)
38074.8 0.4266 16242.7	39026.9 1.00 1.000 0.407 1.000 15886.3

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

APPROVED BY



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-3359-3842-3988-E6307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES				Type/SC	Overhang						
.18 X Conditioned X BWPM = Points			Floor Area		Omt	Len	Hgt	Area	X	WPM	X WOF = Points
.18	1974.0	5.88	2082.2	Double,U=0.48,Tint	E	0.0	0.0	105.0	4.58	1.00	481.1
				Double,U=0.48,Tint	W	0.0	0.0	99.7	5.18	1.00	514.1
				Double,U=0.48,Tint	N	0.0	0.0	7.5	6.30	1.00	47.2
				As-Built Total:				212.2			1042.4
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		581.0		1.10		617.1
Exterior	1800.5	2.00	3201.0	Frame, Wood, Exterior	19.0		587.0		1.10		623.7
				Frame, Wood, Exterior	19.0		240.0		1.10		264.0
				Frame, Wood, Exterior	19.0		232.5		1.10		255.8
Base Total:	1800.5		3201.0	As-Built Total:			1800.5				1780.8
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	1974.0	0.64	1263.4	Under Attic	33.0		1974.0	0.61 X 1.00			1196.7
Base Total:	1974.0		1263.4	As-Built Total:			1974.0				1196.7
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		1974.0		0.50		987.0
Raised	1974.0	-0.20	-394.8								
Base Total:			-394.8	As-Built Total:			1974.0				987.0
INFILTRATION Area X BWPM = Points					Area		X	WPM	=	Points	
	1974.0	-0.28	-552.7					1974.0	-0.28		-552.7

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

APPROVED BY



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-3369-3842-3986-E6307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-

PERMIT #:

BASE			AS-BUILT							
<b>Winter Base Points:</b> 5803.0			<b>Winter As-Built Points:</b> 4638.0							
Total Winter Points X System Multiplier = Heating Points			Total Component (System - Points) X Cap Ratio X Duct Multiplier X System Multiplier X Credit Multiplier = Heating Points (DM x DSM x AHU)							
5803.0	0.6274	3640.8	4638.0	1.00	1.000	0.585	1.000	2711.9		

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

APPROVED BY



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-E6307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2008
Manufacturer:	Cavalier Home Builders

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

ADDRESS: , LAKELAND, FL, 33804-

PERMIT #:

<b>BASE</b>			<b>AS-BUILT</b>							
<b>WATER HEATING</b>										
Number of Bedrooms										
	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier Credit
4		2460.00		9840.0	60.0	0.91	4	1.00	2487.03	1.00
As-Built Total:										
9948.1										

**CODE COMPLIANCE STATUS**

<b>BASE</b>				<b>AS-BUILT</b>			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Total Points
16243		3641		9840		29724	15886 2712 9948 28546

**PASS**

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

APPROVED BY



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-E5307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/15/2006  
 Manufacturer: Cavalier Home Builders

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: , LAKELAND, FL, 33804-

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. <b>EXCEPTION:</b> 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. <b>EXCEPTION:</b> 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. <b>EXCEPTION:</b> Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

## 6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked air breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

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

## APPROVED BY



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-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/18/2006  
Manufacturer: Cavalier Home Builders

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 86.4**

The higher the score, the more efficient the home.

, LAKELAND, FL, 33804-

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	b. N/A
4. Number of Bedrooms	4	c. N/A
5. Is this a worst case?	No	
6. Conditioned floor area (ft <sup>2</sup> )	1974 ft <sup>2</sup>	
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		
a. U-factor:	Description	Const. Type:
(or Single or Double DEFAULT)	7a. (Dble, U=0.5) 105.0 ft <sup>2</sup>	Occupancy:
b. SHGC:	7b. (Tint) 212.2 ft <sup>2</sup>	Allowable No. of Floors:
(or Clear or Tint DEFAULT)		Wind Velocity:
8. Floor types	R=11.0, 1974.0 ft <sup>2</sup>	Fire Rating of Ext. Walls:
a. Raised Wood, Stem Wall		Plan No.:
b. N/A		Allow. Floor Load:
c. N/A		Approval Date:
9. Wall types		Manufacturer:
a. Frame, Wood, Exterior	R=19.0, 561.0 ft <sup>2</sup>	
b. Frame, Wood, Exterior	R=19.0, 567.0 ft <sup>2</sup>	
c. Frame, Wood, Exterior	R=19.0, 240.0 ft <sup>2</sup>	
d. Frame, Wood, Exterior	R=19.0, 232.5 ft <sup>2</sup>	
e. N/A		
10. Ceiling types	R=33.0, 1974.0 ft <sup>2</sup>	
a. Under Attic		
b. N/A		
c. N/A		
11. Ducts		
a. N/A		
b. N/A		

VB	R3	One (1) 130 MPH	0 hr
MFT-3359-3642-3986-ESS07M	40 PSF	11/15/2006	Cavallier Home Builders

Const. Type:  
Occupancy:  
Allowable No. of Floors:  
Wind Velocity:  
Fire Rating of Ext. Walls:

Plan No.:

Allow. Floor Load:

Approval Date:

Manufacturer:



Exp: 50.0 gallons  
HF: 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<sup>TM</sup> 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](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.**

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

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

## Residential Whole Building Performance Method A

Project Name:	<b>E5307M-SOUTH</b>	Builder:	
Address:		Permitting Office:	
City, State:	<b>FT. MYERS, FL 33932-</b>	Permit Number:	
Owner:		Jurisdiction Number	
Climate Zone:	<b>South</b>		

**Glass/Floor Area: 0.11**

Total as-built points: 30148

Total base points: 30634

PASS

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

**PREPARED BY:**

DATE: 10-93-06

I hereby certify that this building, as designed

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:**



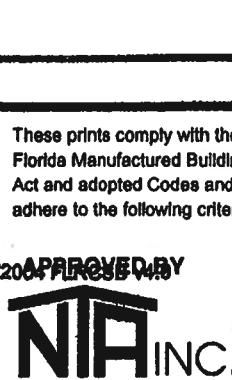
# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b> .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC							
				Ornt	Len	Hgt	Area	X	SPM	X	SOF = Points
				E	0.0	0.0	105.0	58.00	1.00	6090.3	
				W	0.0	0.0	25.0	52.30	1.00	1307.6	
				W	0.0	0.0	15.0	52.30	1.00	784.6	
				W	0.0	0.0	14.7	52.30	1.00	768.9	
				S	0.0	0.0	7.5	49.68	1.00	372.4	
				W	0.0	0.0	16.0	52.30	1.00	838.9	
				W	0.0	0.0	32.5	52.30	1.00	1699.9	
				As-Built Total:							
				215.7							
				11880.5							
<b>WALL TYPES</b>				Area X BSPM = Points							
Adjacent				Type							
0.0				R-Value							
0.0				Area							
Adjacent				X SPM = Points							
0.0				Frame, Wood, Exterior							
0.0				19.0							
0.0				459.0							
0.0				1.60							
0.0				734.4							
0.0				Frame, Wood, Exterior							
0.0				19.0							
0.0				470.8							
0.0				1.60							
0.0				753.2							
0.0				Frame, Wood, Exterior							
0.0				19.0							
0.0				232.5							
0.0				1.60							
0.0				372.0							
0.0				Frame, Wood, Exterior							
0.0				19.0							
0.0				240.0							
0.0				1.60							
0.0				384.0							
0.0				As-Built Total:							
0.0				1402.3							
0.0				2243.6							
<b>DOOR TYPES</b>				Area X BSPM = Points							
0.0				Type							
0.0				Area							
0.0				X SPM = Points							
0.0				Exterior Insulated							
0.0				40.0							
0.0				6.40							
0.0				256.0							
0.0				As-Built Total:							
0.0				40.0							
0.0				256.0							
<b>CEILING TYPES</b>				Area X BSPM = Points							
0.0				Type							
0.0				R-Value							
0.0				Area							
0.0				X SPM X SCM = Points							
0.0				Under Attic							
0.0				33.0							
0.0				1974.0							
0.0				2.64 X 1.00							
0.0				5216.3							
0.0				As-Built Total:							
0.0				1974.0							
0.0				5216.3							
<b>FLOOR TYPES</b>				Area X BSPM = Points							
0.0				Type							
0.0				R-Value							
0.0				Area							
0.0				X SPM = Points							
0.0				Raised Wood, Stem Wall							
0.0				11.0							
0.0				1974.0							
0.0				-0.60							
0.0				-1184.4							
0.0				As-Built Total:							
0.0				1974.0							
0.0				-1184.4							
<b>INFILTRATION</b>				Area X BSPM = Points							
0.0				Area X SPM = Points							
0.0				1974.0							
0.0				18.79							
0.0				37091.5							



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-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/16/2006  
Manufacturer: Cavalier Home Builders

# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

BASE		AS-BUILT						
<b>Summer Base Points: 53944.8</b>		<b>Summer As-Built Points:</b>						
Total Summer X System Points		X Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Cooling Points (DM x DSM x AHU)
53944.8	0.4266		23012.8	55483.5	1.00	1.000	0.409	1.000 22693.4

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

APPROVED BY



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-3369-3842-3986-E5307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/15/2006  
 Manufacturer: Cavalier Home Builders

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b> .18 X Conditioned X BWPM = Points Floor Area				Overhang							
.18	1974.0	2.36	838.6	Type/SC	Ornt	Len	Hgt	Area X WPM	X WOF	= Points	
				Double,U=0.48,Tint	E	0.0	0.0	105.0	1.67	1.00	175.2
				Double,U=0.48,Tint	W	0.0	0.0	25.0	2.23	1.00	55.7
				Double,U=0.48,Tint	W	0.0	0.0	15.0	2.23	1.00	33.4
				Double,U=0.48,Tint	W	0.0	0.0	14.7	2.23	1.00	32.7
				Double,U=0.48,Tint	S	0.0	0.0	7.5	1.54	1.00	11.5
				Double,U=0.48,Tint	W	0.0	0.0	16.0	2.23	1.00	35.6
				Double,U=0.48,Tint	W	0.0	0.0	32.5	2.23	1.00	72.4
				As-Built Total:				215.7		416.5	
<b>WALL TYPES</b> 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	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		232.6	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		
<b>DOOR TYPES</b> 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		
<b>CEILING TYPES</b> Area X BWPM = Points				Type	R-Value		Area X WPM X WCM	=	Points		
Under Attic	1974.0	0.10	197.4	Under Attic	33.0		1974.0	0.09 X 1.00	182.6		
Base Total:	1974.0		197.4	As-Built Total:	1974.0				182.6		
<b>FLOOR TYPES</b> 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		1974.0	0.00	0.0		
Raised	1974.0	-0.28	-552.7								
Base Total:			-552.7	As-Built Total:	1974.0				0.0		
<b>INFILTRATION</b> Area X BWPM = Points					Area X WPM		=	Points			
	1974.0	-0.08	-118.4		1974.0				-118.4		

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-3369-3642-3986-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2008  
Manufacturer: Cavalier Home Builders

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , FT. MYERS, FL, 33932-

PERMIT #:

BASE			AS-BUILT							
<b>Winter Base Points:</b> 1278.1			<b>Winter As-Built Points:</b> 973.4							
Total Winter Points	X	System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points (DM x DSM x AHU)
1278.1	0.6274	801.9		973.4	1.00	1.00	1.000	0.576	1.000	560.3

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

## APPROVED BY



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-E6307M
Allow. Floor Load:	40 PSF
Approval Date:	11/16/2008
Manufacturer:	Cavalier Home Builders

# 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				
3	2273.00	6819.0				Tank Volume	EF	Number of Bedrooms	X Tank X Multiplier X Credit = Total Multiplier
						50.0	0.91	3	1.00 2287.98 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
23013		802		6819		30634	22693		560		6894		30148

PASS



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

APPROVED BY



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-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

# 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	608.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	608.1.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. <b>EXCEPTION:</b> Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	608.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joist members. <b>EXCEPTION:</b> Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	608.1.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 gypsum board & top plate; attic access. <b>EXCEPTION:</b> Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	608.1.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	608.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional infiltration reqts	608.1.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.	

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

APPROVED BY  


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-E6307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 86.4**

The higher the score, the more efficient the home.

, FT. MYERS, FL, 33932-

1. New construction or existing	New	Single family	1
2. Single family or multi-family			1
3. Number of units, if multi-family			3
4. Number of Bedrooms			No
5. Is this a worst case?			
6. Conditioned floor area (ft <sup>2</sup> )		1974 ft <sup>2</sup>	
7. Glass type <sup>1</sup> 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)		Description	Area
b. SHGC: (or Clear or Tint DEFAULT)	7b.	(Tint)	113.2 ft <sup>2</sup>
8. Floor types			
a. Raised Wood, Stem Wall		R=11.0, 1974.0 ft <sup>2</sup>	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 459.0 ft <sup>2</sup>	
b. Frame, Wood, Exterior		R=19.0, 470.8 ft <sup>2</sup>	
c. Frame, Wood, Exterior		R=19.0, 232.5 ft <sup>2</sup>	
d. Frame, Wood, Exterior		R=19.0, 240.0 ft <sup>2</sup>	
e. N/A			
10. Ceiling types			
a. Under Attic		R=33.0, 1974.0 ft <sup>2</sup>	
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			

12. Cooling systems	VB	R3
a. N/A		
b. N/A		
c. N/A		

13. Heating systems	Const. Type:
a. N/A	Occupancy:
b. N/A	Allowable No. of Floors:
c. N/A	Wind Velocity:
	Fire Rating of Ext. Walls:

14. Hot water system	Plan No.:
a. Electric Resistance	Allow. Floor Load:
b. N/A	Approval Date:
c. Conservation credit (HR-Heat recovery, Solar DHP-Dedicated heat pump)	Manufacturer:

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



Cap: 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<sup>TM</sup> 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](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

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

CHERRY CAVES  
OPEN

# 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 36-4S-15-00414-104

Building permit No. 000025295

Use Classification MODULAR

Fire: 50.22

Permit Holder WILLIAM HARPER

Waste: 150.75

Owner of Building KIMBERLY & ZACHARY MEARS

Total: 200.97

Location: 356 SW PAUL ALLISON CT, LAKE CITY, FL

Date: 01/17/2007

*Henry Dick*

Building Inspector

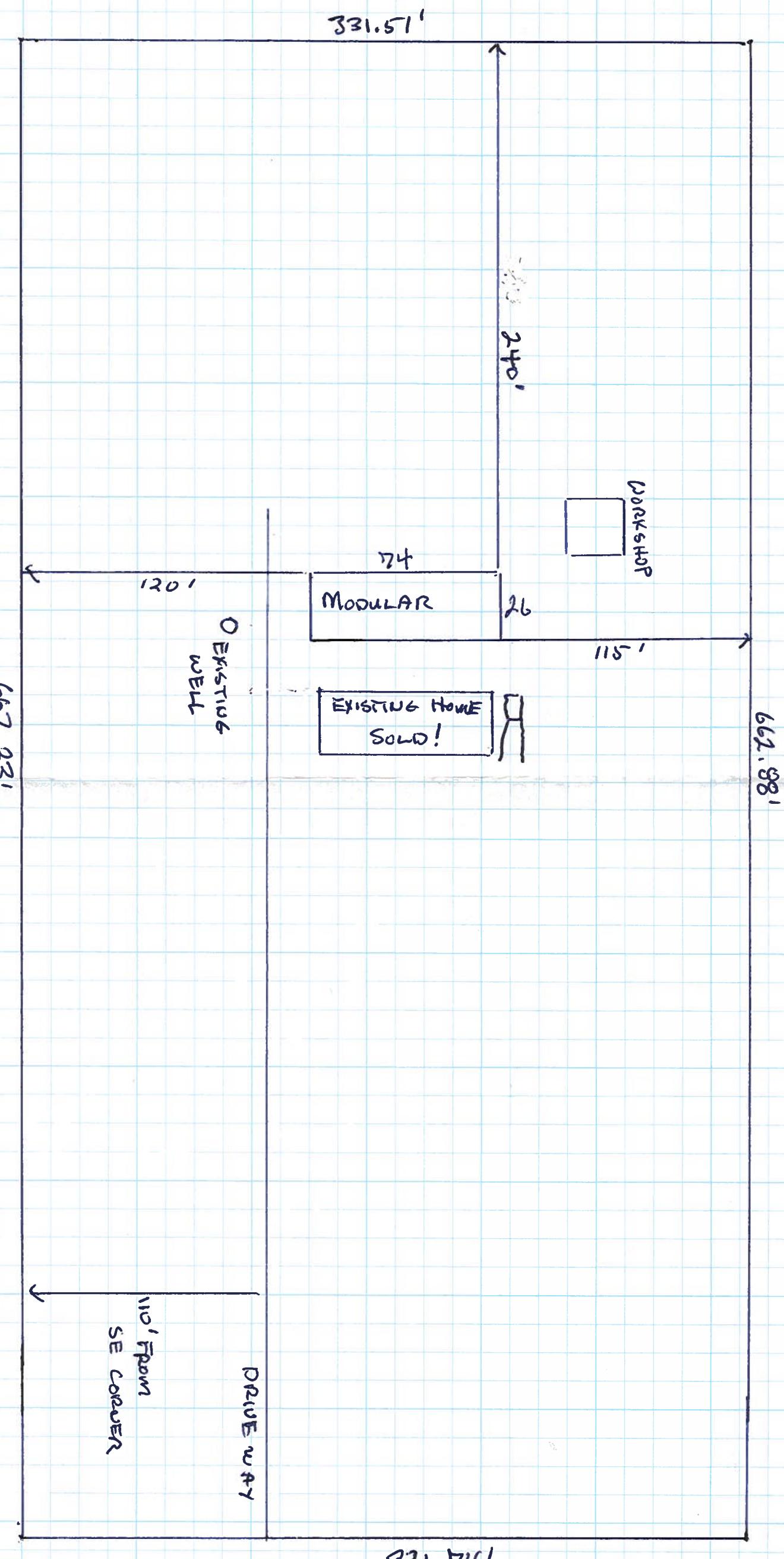


POST IN A CONSPICUOUS PLACE  
(Business Places Only)

SITE PLAN

SCALE 1" = 50'

OWNER: KIMBERLY AND ZACHARY MEARS  
CONTRACTOR: WILLIAM L HARPER



SW PAUL ALLISON CT.

PROPERTY 10 # 36-48-15-00414-104 TX