

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Josh Wilson And Nicole Dempsey		Builder Name: CHRISMILLS HOMES	
Street:		Permit Office:	
City, State, Zip: White Springs, FL, 32096		Permit Number:	
Owner: Josh Wilson and Nicole Dempsey		Jurisdiction:	
Design Location: FL, Tallahassee		County: Hardee(Florida Climate Zone 2)	

<p>1. New construction or existing New (From Plans)</p> <p>2. Single family or multiple family Detached</p> <p>3. Number of units, if multiple family 1</p> <p>4. Number of Bedrooms 3</p> <p>5. Is this a worst case? No</p> <p>6. Conditioned floor area above grade (ft²) 1983 Conditioned floor area below grade (ft²) 0</p> <p>7. Windows(164.5 sqft.) Description Area</p> <p>a. U-Factor: Dbl, U=0.35 164.50 ft² SHGC: SHGC=0.31</p> <p>b. U-Factor: N/A ft² SHGC:</p> <p>c. U-Factor: N/A ft² SHGC:</p> <p>Area Weighted Average Overhang Depth: 0.000 ft Area Weighted Average SHGC: 0.310</p> <p>8. Skylights Description Area</p> <p>U-Factor:(AVG) N/A N/A ft² SHGC(AVG): N/A</p> <p>9. Floor Types Insulation Area</p> <p>a. Slab-On-Grade Edge Insulation R= 0.0 1983.00 ft² b. N/A R= ft² c. N/A R= ft²</p>	<p>10. Wall Types(1825.5 sqft.) Insulation Area</p> <p>a. Frame - Wood, Exterior R=19.0 1825.50 ft² b. N/A c. N/A d. N/A</p> <p>11. Ceiling Types(1983.0 sqft.) Insulation Area</p> <p>a. Flat ceiling under att (Vented) R=38.0 1983.00 ft² b. N/A c. N/A</p> <p>12. Roof(Comp. Shingles, Vented) Deck R=0.0 2296 ft²</p> <p>13. Ducts, location & insulation level R ft²</p> <p>a. Sup: Attic, Ret: Attic, AH: Attic 8 397 b. c.</p> <p>14. Cooling Systems kBtu/hr Efficiency</p> <p>a. Central Unit 25.4 SEER2:15.20</p> <p>15. Heating Systems kBtu/hr Efficiency</p> <p>a. Electric Heat Pump 35.8 HSPF2:15.00</p> <p>16. Hot Water Systems</p> <p>a. Electric Cap: 40 gallons EF: 0.920</p> <p>b. Conservation features</p> <p>17. Credits None None</p>
--	---

Glass/Floor Area: 0.083 Total Proposed Modified Loads: 47.37
 Total Baseline Loads: 50.20

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 93 percent of the annual total loads of the standard reference design in order to comply

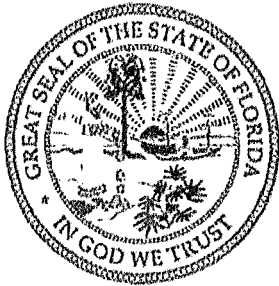
PASS

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

PREPARED BY: Charlatta Green
 DATE: 3-5-26

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.
 OWNER/AGENT: Green's Sales & Service
 DATE: 3-5-26

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: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.3.2.1.
- Default duct leakage does not require a Duct Leakage Test Report.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 7.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT												
Title	Josh Wilson And Nicole Dempsey			Address type:	Street Address							
Building Type:	User			Bedrooms:	3							
Owner	Josh Wilson and Nicole Dempsey			Conditioned Area:	1983							
Builder Home ID:				Total Stories:	1							
Builder Name:	CHRISMILLS HOMES			Worst Case:	No							
Permit Office:				Rotate Angle:	0							
Jurisdiction:				Cross Ventilation:	Whole House Fan							
Family Type:	Detached			Terrain:	Suburban							
New/Existing:	New (From Plans)			Shielding:	Suburban							
Year Construct:	2026											
Comment												
CLIMATE												
<input checked="" type="checkbox"/> Design Location	Tmy Site	Design Temp 97 5%	2.5%	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily temp Range				
___ FL, Tallahassee	FL_TALLAHASSEE_REGIONA	28	94	70	75	1545	46	Medium				
BLOCKS												
<input checked="" type="checkbox"/> Number	Name	Area	Volume									
___ 1	Block1	1983	17847 cu ft									
SPACES												
<input checked="" type="checkbox"/> Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated			
___ 1	Main	1983	17847	Yes	4	3	Yes	Yes	Yes			
FLOORS (Total Exposed Area = 1983 sq.ft.)												
<input checked="" type="checkbox"/> #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim	U-Factor Joist	Slab Insul Vert/Horiz	Tile	Wood	Carpet		
___ 1	Slab-On-Grade Edge Ins	Main	188.9	1983 sqft	0.0	---	0.710	0 (ft)/0 (ft)	1.00	0 00	0.00	
ROOF												
<input checked="" type="checkbox"/> #	Type	Materials	Roof Area	Gable Area	Framing Fract.	Roof Color	Rad Barr	Solar Absor	SA Tested	Emitt Tested	Deck Insul	Pitch (deg)
___ 1	Hip	Composition shingles	2296 ft²	0 ft²	0 11	Light	N	0.96	No	0.9	No	0 30.26
ATTIC												
<input checked="" type="checkbox"/> #	Type	Ventilation		Vent Ratio (1 in)	Area	RBS	IRCC					
___ 1	Full attic	Vented		300	1983 ft²	N	N					
CEILING (Total Exposed Area = 1983 sq.ft.)												
<input checked="" type="checkbox"/> #	Ceiling Type	Space	R-Value	Ins Type	Area	U-Factor	Framing Frac	Truss Type				
___ 1	Flat ceiling under attic(Vented)	Main	38 0	Blown	1983 0ft²	0.024	0.11	Wood				

INPUT SUMMARY CHECKLIST REPORT

WALLS														(Total Exposed Area = 1826 sq.ft.)	
✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
1	N	Exterior	Frame - Wood	Main	19.0	56	0 90	9.0	0	571.5	0.061		0.23	0.75	0.0 %
2	E	Exterior	Frame - Wood	Main	19.0	36	0 0	9.0	0	324.0	0.061		0.23	0.75	0.0 %
3	S	Exterior	Frame - Wood	Main	19.0	58	0 40	9.0	0	552.0	0.061		0.23	0.75	0.0 %
4	W	Exterior	Frame - Wood	Main	19.0	37.0	60	9.0	0	378.0	0.061		0.23	0.75	0.0 %

DOORS											(Total Exposed Area = 76 sq.ft.)	
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area	
1	W(Front)	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²	
2	S	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²	
3	S	Exterior	Insulated	Main	None	0.46	5.00	4	6.00	8	35.6ft²	

WINDOWS														(Total Exposed Area = 165 sq.ft.)	
✓ #	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang-- Depth (ft)	Sep (ft)	Interior Shade	Screen
1	N	1	Vinyl	Low-E Double	Y 0.35	0.31	N Y	93.0	6	3.00	5.17	0.0	0.0	IECC 2012	None
2	E	2	Vinyl	Low-E Double	Y 0.35	0.31	N Y	31.0	2	3.00	5.17	0.0	0.0	IECC 2012	None
3	E	2	Vinyl	Low-E Double	Y 0.35	0.31	N Y	16.0	1	4.00	4.00	0.0	0.0	None	None
4	S	3	Vinyl	Low-E Double	Y 0.35	0.31	N Y	9.0	1	3.00	3.00	0.0	0.0	IECC 2012	None
5	S	3	Vinyl	Low-E Double	Y 0.35	0.31	N Y	15.5	1	3.00	5.17	0.0	0.0	IECC 2012	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
1	Wholehouse	Proposed ACH(50)	0.00040	2082	114.23	214.46	0.1400	7.0	All	17847 cu ft

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
1	Default(8 lbs/sq ft.)	0 ft²	0 ft	0.30	Main

HEATING SYSTEM											
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---			Ducts	Block	
						Entry	Power	Volt	Current		
1	Electric Heat Pump	None/Single	215213861	HSPF2: 15.00	35.8		0.00	0.00	0.00	sys#1	1

COOLING SYSTEM									
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
1	Central Unit	None/Single	215213861	SEER2:15.2	25.4	762	0.75	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM												
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length	
1	Electric	None	Main	0.92 (0.92)	40.0 gal	60 gal	120 deg	Standard	Yes	None	99	
	Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits		
1	No		NA	NA	NA	No	NA	NA	NA	None		

DUCTS												
✓ Duct #	-----Supply----- Location	R-Value	Area	-----Return----- Location	R-Value	Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT SEALED	AHU RLF	HVAC # Heat Cool
1	Attic	8.0	397 ft²	Attic	8.0	99 ft²	Default Leakage	Attic	(Default)	(Default)		1 1

TEMPERATURES													
Programable Thermostat: Y				Ceiling Fans: N									
Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec	
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec	
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec	
Thermostat Schedule: HERS 2006 Reference	Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66

Project Summary
Entire House
 Chrismills Homes of Florida

Job:
 Date: 03012026
 By: Charlotte Green

354 Enterprise Drive, Valdosta, Ga 31601 Phone: 229-212-1100

Project Information

For: Josh Wilson & Nicole Dempsey, Chrismills Homes of FI
 White Springs, FI 32096

Notes:

Design Information

Weather: Tallahassee Regional AP, FL, US

Winter Design Conditions

Outside db 29 °F
 Inside db 68 °F
 Design TD 39 °F

Ventilation Method MJ8

Heating Summary

Structure 17513 Btuh
 Ducts (R-6.0) 8158 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 25671 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 0

	Heating	Cooling
Area (ft²)	2057	2057
Volume (ft³)	21255	21255
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	113	57

Heating Equipment Summary

Make
 Trade
 Model
 AHRI ref
 Efficiency 80 AFUE
 Heating input 0 Btuh
 Heating output 0 Btuh
 Temperature rise 0 °F
 Actual air flow 1261 cfm
 Air flow factor 0.049 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat

Summer Design Conditions

Outside db 94 °F
 Inside db 75 °F
 Design TD 19 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 42 gr/lb

Sensible Cooling Equipment Load Sizing

Structure 20866 Btuh
 Ducts (R-6.0) 9622 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.99
 Equipment sensible load 30184 Btuh

Latent Cooling Equipment Load Sizing

Structure 2812 Btuh
 Ducts 1793 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 4605 Btuh
 Equipment Total Load (Sen+Lat) 34789 Btuh
 Req. total capacity at 0.70 SHR 3.6 ton

Cooling Equipment Summary

Make
 Trade
 Cond
 Coil
 AHRI ref
 Efficiency 0 SEER
 Sensible cooling 0 Btuh
 Latent cooling 0 Btuh
 Total cooling 0 Btuh
 Actual air flow 1261 cfm
 Air flow factor 0.041 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.87

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.