


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: DRAWDY RESIDENCE Street: 11351 SW HWY. 351 City, State, Zip: , FL , Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Columbia Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
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Glass/Floor Area: 0.085	Total Proposed Modified Loads: 42.20	PASS
	Total Baseline Loads: 54.97	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: _____ I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes. <div style="text-align: center;">  </div> BUILDING OFFICIAL: _____ DATE: _____
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- 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.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 4.70 ACH50 (R402.4.1.2).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	DRAWDY RESIDENCE	Bedrooms:	4	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	2002	Lot #	
Owner Name:		Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	11351 SW HWY. 351
Permit Office:	Columbia	Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Detached				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2002	18018

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2002	18018	Yes	4	4	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	259 ft	0	2002 ft²	----	0	0 1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	2406 ft²	668 ft²	Light	Y	0.8	No	0.9	No	0	33.69

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2002 ft²	Y	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	38	Batt	2002 ft²	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT**WALLS**

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
___	1	S	Exterior	Frame - Wood	Main	13	7	1.5	9		64.1 ft²		0.23	0.75	0
___	2	W	Exterior	Frame - Wood	Main	13	6	6	9		58.5 ft²		0.23	0.75	0
___	3	S	Exterior	Frame - Wood	Main	13	29	4.5	9		264.4 ft²		0.23	0.75	0
___	4	E	Exterior	Frame - Wood	Main	13	6	6	9		58.5 ft²		0.23	0.75	0
___	5	N	Exterior	Frame - Wood	Main	13	8	6	9		76.5 ft²		0.23	0.75	0
___	6	E	Exterior	Frame - Wood	Main	13	16	1	9		144.8 ft²		0.23	0.75	0
___	7	S	Exterior	Frame - Wood	Main	13	23		9		207.0 ft²		0.23	0.75	0
___	8	E	Exterior	Frame - Wood	Main	13	33	4.5	9		300.4 ft²		0.23	0.75	0
___	9	N	Exterior	Frame - Steel	Main	13	23		9		207.0 ft²		0.23	0.75	0
___	10	W	Exterior	Frame - Wood	Main	13	20		9		180.0 ft²		0.23	0.75	0
___	11	N	Exterior	Frame - Wood	Main	13	12		9		108.0 ft²		0.23	0.75	0
___	12	W	Exterior	Frame - Wood	Main	13	5	6	9		49.5 ft²		0.23	0.75	0
___	13	N	Exterior	Frame - Wood	Main	13	16		9		144.0 ft²	0	0.23	0.75	0
___	14	E	Exterior	Frame - Wood	Main	13	5	6	9		49.5 ft²		0.23	0.75	0
___	15	N	Exterior	Frame - Wood	Main	13	17		9		153.0 ft²		0.23	0.75	0
___	16	N	Exterior	Frame - Wood	Main	13	29	6	9		265.5 ft²		0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
___	1	S	Insulated	Main	None	.4	5		6	8	33.3 ft²
___	2	S	Insulated	Main	None	.4	2	8	6	8	17.8 ft²
___	3	N	Insulated	Main	None	.46	6		6	8	40 ft²
___	4	N	Insulated	Main	None	.46	6		6	8	40 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
___	1	S	1	Metal	Double (Tinted)	Yes	0.4	0.25	N	6.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None
___	2	S	3	Metal	Double (Tinted)	Yes	0.4	0.25	N	50.0 ft²	9 ft 4 in	1 ft 0 in	Drapes/blinds	None
___	3	E	8	Metal	Double (Tinted)	Yes	0.4	0.25	N	24.0 ft²	1 ft 4 in	1 ft 0 in	Drapes/blinds	None
___	4	N	9	Vinyl	Double (Tinted)	Yes	0.4	0.25	N	30.0 ft²	1 ft 4 in	1 ft 0 in	Drapes/blinds	None
___	5	N	11	Vinyl	Double (Tinted)	Yes	0.4	0.25	N	30.0 ft²	9 ft 4 in	2 ft 0 in	Drapes/blinds	None
___	6	N	15	Vinyl	Double (Tinted)	Yes	0.4	0.25	N	15.0 ft²	9 ft 4 in	2 ft 0 in	Drapes/blinds	None
___	7	N	16	Vinyl	Double (Tinted)	Yes	0.4	0.25	N	15.0 ft²	1 ft 4 in	2 ft 0 in	Drapes/blinds	None

INPUT SUMMARY CHECKLIST REPORT

INFILTRATION													
#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50					
1	Wholehouse	Proposed ACH(50)	.000269	1411.4	77.43	145.37	.0965	4.7					

HEATING SYSTEM										
✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block		Ducts	
✓	1	Electric Heat Pump/	None	Singl	HSPF:8.5	29.72 kBtu/hr	1		sys#1	

COOLING SYSTEM										
✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	None	Singl	SEER: 15	16.2 kBtu/hr	480 cfm	0.75	1	sys#1

HOT WATER SYSTEM									
✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Main	0.95	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM							
✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓	None	None				ft²	

DUCTS														
✓	#	---- Supply ----			---- Return ----		Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC #	
		Location	R-Value	Area	Location	Area							Heat	Cool
✓	1	Attic	6	128 ft²	Main	32 ft²	Prop. Leak Free	Main	--- cfm	60.1 cfm	0.03	0.60	1	1

TEMPERATURES																								
Programable Thermostat: Y							Ceiling Fans:																	
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 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 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 checked="" 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

INPUT SUMMARY CHECKLIST REPORT

Thermostat Schedule: HERS 2006 Reference		Hours											
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	80	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	66	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	66	66
MECHANICAL VENTILATION													
Type	Supply CFM	Exhaust CFM	Fan Watts	HRV	Heating System					Run Time	Cooling System		
None	0	0	600	0	1 - Electric Heat Pump					0%	1 - Central Unit		
MASS													
Mass Type		Area		Thickness		Furniture Fraction				Space			
Default(8 lbs/sq.ft.		0 ft²		0 ft		0.3				Main			