


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Adam & Tara Jones Street: 442 SW Tunsil St City, State, Zip: Lake City, FL, 32024 Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
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1. New construction or existing New (From Plans) 2. Single family or multiple family Detached 3. Number of units, if multiple family 1 4. Number of Bedrooms 5 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 3100 Conditioned floor area below grade (ft²) 0 7. Windows(162.0 sqft.) Description Area a. U-Factor: Dbl, U=0.60 162.00 ft² SHGC: SHGC=0.27 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 8.389 ft Area Weighted Average SHGC: 0.270 8. Skylights Description Area U-Factor:(AVG) N/A N/A ft² SHGC(AVG): N/A 9. Floor Types Insulation Area a. Slab-On-Grade Edge Insulation R= 0.0 3100.00 ft² b. N/A R= ft² c. N/A R= ft²	10. Wall Types(2688.0 sqft.) Insulation Area a. Frame - Steel, Exterior R=19.0 1344.00 ft² b. Frame - Wood, Exterior R=19.0 744.00 ft² c. Frame - Wood, Adjacent R=19.0 600.00 ft² d. N/A R= ft² 11. Ceiling Types(3100.0 sqft.) Insulation Area a. Cathedral/Single Assembly (Unvented) R=14.0 3100.00 ft² b. N/A R= ft² c. N/A R= ft² 12. Ducts, location & insulation level R ft² a. a. Sup: Main, Ret: Main, AH: Main 6 620 b. c. 13. Cooling Systems kBtu/hr Efficiency a. Central Unit 36.0 SEER:15.00 14. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 36.0 HSPF:8.50 15. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.920 b. Conservation features None 16. Credits CE, Pstat
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Glass/Floor Area:0.052	Total Proposed Modified Loads: 53.98	PASS
	Total Baseline Loads: 73.37	

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 with a proposed duct leakage Qn requires a PERFORMANCE 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.
- 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 3.93 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Adam & Tara Jones			Bedrooms:	5	Address type:	Street Address						
Building Type:	User			ConditionedArea:	3100	Lot #:	---						
Owner:				Total Stories:	1	Block/SubDivision:	---						
BuilderName:				Worst Case:	No	PlatBook:	---						
Permit Office:				RotateAngle:	0	Street:	442 SW Tunsil St						
Jurisdiction:				Cross Ventilation:		County:	Columbia						
Family Type:	Detached			Whole House Fan:		City, State, Zip:	Lake City, FL, 32024						
New/Existing:	New (From Plans)			Terrain:	Rural								
Year Construct:	2021			Shielding:	Moderate/Rural								
Comment:													
CLIMATE													
✓ Design Location	Tmy Site			Design Temp 97.5% 2.5%		Int Design Temp Winter Summer		Heating DegreeDays	Design Moisture	Daily temp Range			
___ FL, Gainesville	FL_GAINESVILLE_REGIONA			32	92	70	75	1305.5	51	Medium			
BLOCKS													
✓ Number	Name	Area	Volume										
___ 1	Block1	3100	37200										
SPACES													
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated				
___ 1	Main	3100	37200	Yes	10	5	Yes	Yes	Yes				
FLOORS (Total Exposed Area = 3100 sq.ft.)													
✓ #	FloorType	Space	ExposedPerim	PerimeterR-Value	Area	U-Factor	JoistR-Value	Tile	Wood	Carpet			
___ 1	Slab-On-Grade Edge Ins	Main	224	0	3100 ft	0.600	---	0.33	0.33	0.34			
ROOF													
✓ #	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)	
___ 1	Gable or shed	Metal	3195 ft²	388 ft²	Light	N	0.6	No	0.9	No	44	14.04	
ATTIC													
✓ #	Type	Ventilation	Vent Ratio (1 in)		Area	RBS	IRCC						
___ 1	No attic	Vented	300		3100 ft²	N	N						
CEILING (Total Exposed Area = 3100 sq.ft.)													
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	FramingFrac.	Truss Type					
___ 1	Cathedral/Single Assembly(Vented)	Main	44.0	Blown	3100.0ft²	0.051	0.11	Wood					

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 2688 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	62.0	0	12.0	0	744.0	0.071		0.23	0.75	0 %				
___ 2	E	Garage	Frame - Wood	Main	19.0	50.0	0	12.0	0	600.0	0.071		0.23	0.75	0 %				
___ 3	S	Exterior	Frame - Steel	Main	19.0	62.0	0	12.0	0	744.0	0.177		0.23	0.75	0 %				
___ 4	W	Exterior	Frame - Steel	Main	19.0	50.0	0	12.0	0	600.0	0.177		0.23	0.75	0 %				

DOORS												(Total Exposed Area = 126 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	N	Exterior	Insulated	Main	None	0.40	6.00	0	7.00	0	42.0ft²			
___ 2	E	Garage	Insulated	Main	None	0.40	3.00	0	7.00	0	21.0ft²			
___ 3	S	Exterior	Insulated	Main	None	0.40	6.00	0	7.00	0	42.0ft²			
___ 4	N	Exterior	Insulated	Main	None	0.40	3.00	0	7.00	0	21.0ft²			

WINDOWS															(Total Exposed Area = 162 sq.ft.)			
✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Area	----Overhang----	InteriorShade	Screening					
											Depth	Separation						
___ 1	N	1	Vinyl	Low-EDouble	Yes	0.60	0.27	N	N	54.0ft²	11.0 ft 6 in	4.0 ft 0 in	None	None				
___ 2	S	3	Vinyl	Low-EDouble	Yes	0.60	0.27	N	N	72.0ft²	9.0 ft 6 in	2.0 ft 4 in	None	None				
___ 3	W	4	Vinyl	Low-EDouble	Yes	0.60	0.27	N	N	36.0ft²	1.0 ft 6 in	4.0 ft 0 in	None	None				

INFILTRATION									
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)
___ 1	Wholehouse	Proposed ACH(50)	0.00030	2437	133.69	250.99	0.0906	3.9	All

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	900 ft²	900 ft²	86 ft	12 ft	19

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	----GeothermalHeatPump----	Ducts	Block	
						Entry Power Volt Current			
___ 1	Electric Heat Pump	None/Single		HSPF: 8.50	36.0	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

INPUT SUMMARY CHECKLIST REPORT

COOLING SYSTEM(Continued)

___ 1 Central Unit None/Single SEER:15.0 36.0 1080 0.85 sys#1 1

HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	FixtureFlow	Pipe Ins.	Pipe length
___ 1	Electric	None	Garage	0.92 (0.92)	50.00 gal	80 gal	120 deg	Standard	=>R-3	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 #	Location	-----Supply----- R-Value Area	-----Return----- R-Value Area	LeakageType	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
___ 1	Main	6.0 620 ft²	Main 6.0 155 ft²	Prop. Leak Free	Main	---	---	0.03	0.50	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 206 Reference	Schedule Type	1	2	3	4	5	6	Hours 7	8	9	10	11	12
___ Cooling (WD)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Heating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68
___ Heating (WEH)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 74

The lower the EnergyPerformance Index, the more efficient the home.

442 SW Tunsil St,Lake City,FL,32024

1. New construction or existing	New (From Plans)	10. Wall Types(2688.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Steel, Exterior	R=19.0	1344.00 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Exterior	R=19.0	744.00 ft ²
4. Number of Bedrooms	5	c. Frame - Wood, Adjacent	R=19.0	600.00 ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area above grade (ft ²)	3100	11. Ceiling Types(3100.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Cathedral/Single Assembly (Unvented)	R=14.0	3100.00 ft ²
7. Windows**	Description	b. N/A	R=	ft ²
a. U-Factor:	Dbl, U=0.60	c. N/A	R=	ft ²
SHGC:	SHGC=0.27	12. Ducts, location & insulation level	R	ft ²
b. U-Factor:	N/A	a. a. Sup: Main, Ret: Main, AH: Main	6	620
SHGC:		b.		
c. U-Factor:	N/A	c.		
SHGC:		13. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth:	8.389 ft	a. Central Unit	36.0	SEER:15.00
Area Weighted Average SHGC:	0.270	14. Heating Systems	kBtu/hr	Efficiency
8. Skylights	Description	a. Electric Heat Pump	36.0	HSPF:8.50
U-Factor:(AVG)	N/A			
SHGC(AVG):	N/A	15. Hot Water Systems		
9. Floor Types	Insulation	a. Electric		Cap: 50 gallons
a. Slab-On-Grade Edge Insulation	R= 0.0			EF: 0.920
b. N/A	R=	b. Conservation features		
c. N/A	R=			None
		16. Credits		CF, Pstat

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: 442 SW Tunsil St

City/FL Zip: Lake City,FL,32024



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.