

Project Name: Bixler Residence Street: 266 SW Challenger Ln City, State, Zip: Lake City, FL, 32025 Owner: Timothy & Lisa Bixler Design Location: FL, Gainesville		Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)																																																																																																																																														
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<div style="display: flex; justify-content: space-between;"><div>Glass/Floor Area:0.134</div><div>Total Proposed Modified Loads: 34.59</div></div> <div style="display: flex; justify-content: space-between;"><div></div><div>Total Baseline Loads: 36.70</div></div> <p style="font-size: small;">NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.</p>																																																																																																																																																
<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">PREPARED BY: </div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">DATE: 01 / 22 / 2025</div> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">OWNER/AGENT: Robert Hoag</div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">DATE: 10/20/25</div>		<p>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.</p> <div style="text-align: right;"> PASS</div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">BUILDING OFFICIAL:</div> <div style="border-bottom: 1px solid black; padding-bottom: 5px;">DATE:</div>																																																																																																																																														

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INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Bixler Residence			Bedrooms:	2	Address type:	Street Address						
Building Type:	User			Conditioned Area:	1215	Lot #:	---						
Owner:	Timothy & Lisa Bixler			Total Stories:	1	Block/SubDivision:	---						
Builder Home ID:				Worst Case:	No	PlatBook:	---						
Builder Name:				Rotate Angle:	0	Street:	266 SW Challenger Ln						
Permit Office:	Columbia County			Cross Ventilation:	Yes	County:	Columbia						
Jurisdiction:				Whole House Fan:	No	City, State, Zip:	Lake City, FL, 32025						
Family Type:	Detached			Terrain:	Suburban								
New/Existing:	New (From Plans)			Shielding:	Suburban								
Year Construct:	2025												
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_REGIONA			32	92	70	75	1305.5	51	Medium			
BLOCKS													
✓ Number	Name	Area	Volume										
___ 1	Block1	1215	10935 cu ft										
SPACES													
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated				
___ 1	1st Floor	1215	10935	Yes	5	2	Yes	Yes	Yes				
FLOORS (Total Exposed Area = 1215 sq.ft.)													
✓ #	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	1st Floor	154.667	1215 sqft	0.0	---	0.304	2 (ft)/0 (ft)	0.00	0.00	1.00		
ROOF													
✓ #	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Gable or shed	Metal	1407 ft²	354 ft²	0.11	Medium	Y	0.96	No	0.9	No	0	30.26
ATTIC													
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC							
___ 1	Full attic	Vented	300	1215 ft²	Y	N							
CEILING (Total Exposed Area = 1337 sq.ft.)													
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type					
___ 1	Flat ceiling under attic(Vented)	1st Floor	38.0	Double Batt	1336.5ft²	0.024	0.11	Wood					

INPUT SUMMARY CHECKLIST REPORT

WALLS (Total Exposed Area = 1392 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	1st Floor	13.0	45.0	4	9.0	0	408.0	0.084		0.23	0.75	0 %	
___ 2	E	Exterior	Frame - Wood	1st Floor	13.0	32.0	0	9.0	0	288.0	0.084		0.23	0.75	0 %	
___ 3	S	Exterior	Frame - Wood	1st Floor	13.0	28.0	6	9.0	0	256.5	0.084		0.23	0.75	0 %	
___ 4	W	Exterior	Frame - Wood	1st Floor	13.0	14.0	0	9.0	0	126.0	0.084		0.23	0.75	0 %	
___ 5	S	Exterior	Frame - Wood	1st Floor	13.0	16.0	10	9.0	0	151.5	0.084		0.23	0.75	0 %	
___ 6	W	Exterior	Frame - Wood	1st Floor	13.0	18.0	0	9.0	0	162.0	0.084		0.23	0.75	0 %	

DOORS (Total Exposed Area = 40 sq.ft.)												
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area	
___ 1	N	Exterior	Insulated	1st Floor	None	0.46	3.00	0	6.00	8	20.0ft²	
___ 2	N	Exterior	Insulated	1st Floor	None	0.46	3.00	0	6.00	8	20.0ft²	

WINDOWS (Total Exposed Area = 163 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	0.36	0.25	N	N	45.0	3	3.00	5.00	1.5	1.0	None	None
___ 2	E	2	Vinyl	Low-E Double	Y	0.36	0.25	N	N	15.0	1	3.00	5.00	1.0	4.0	None	None
___ 3	E	2	Vinyl	Low-E Double	Y	0.36	0.25	N	N	4.0	1	4.00	1.00	1.0	2.0	None	None
___ 4	S	3	Vinyl	Low-E Double	Y	0.36	0.25	N	N	4.0	1	4.00	1.00	1.5	1.0	None	None
___ 5	S	3	Vinyl	Low-E Double	Y	0.36	0.25	N	N	20.0	2	2.00	5.00	1.5	1.0	None	None
___ 6	W	4	TIM	Low-E Double	Y	0.36	0.25	N	N	40.0	2	3.00	6.67	8.5	1.0	None	None
___ 7	S	5	TIM	Low-E Double	Y	0.36	0.25	N	N	20.0	1	3.00	6.67	15.5	1.0	None	None
___ 8	S	5	Vinyl	Low-E Double	Y	0.36	0.25	N	N	15.0	1	3.00	5.00	15.5	1.0	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00040	1276	69.99	131.40	0.1438	7.0	All	10935 cu ft

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

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump---- Entry Power Volt Current	Ducts	Block		
___ 1	Electric Heat Pump	None/Single		HSPF2: 8.80	21.3	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		SEER2:15.5	16.6	510	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	Propane	Tankless	Exterior	0.59 (0.59)	1.0 gal	40 gal	120 deg	Standard	Yes	None	12
		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	AHU SEALED	RLF	HVAC # Heat Cool
___	1	Attic	6.0	304 ft²	Attic	6.0	61 ft²	Default Leakage	1st Floor	(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	Hours 7	8	9	10	11	12	
	___ Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
	___ Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
	___ Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
___ Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 94

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

266 SW Challenger Ln,Lake City,FL,32025

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SHGC:		c.		
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8. Skylights	Description	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	a. Electric Heat Pump	21.3	HSPF2:8.80
SHGC:(AVG):	N/A			
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b. N/A	R=		EF: 0.590	
c. N/A	R=	b. Conservation features		
				None
		17. Credits		CV, 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: Robert Hoag Date: 10/25/25

Address of New Home: 266 SW Challenger Ln City/FL Zip: Lake City,FL,32025



*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.