

<b>Project Name:</b> King Residence <b>Street:</b> <b>City, State, Zip:</b> , FL, <b>Owner:</b> <b>Design Location:</b> FL, Gainesville	<b>Builder Name:</b> <b>Permit Office:</b> <b>Permit Number:</b> <b>Jurisdiction:</b> <b>County:</b> Columbia(Florida Climate Zone 2)
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Glass/Floor Area: 0.078	Total Proposed Modified Loads: 50.10	
	Total Baseline Loads: 53.69	

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY:  _____</p> <p>DATE: <u>6-16-22</u></p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____</p> <p>DATE: _____</p>	<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;"> </div> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p>
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# INPUT SUMMARY CHECKLIST REPORT

## PROJECT

Title:	King Residence	Bedrooms:	3	Address type:	Street Address
Building Type:	User	Conditioned Area:	1964	Lot #:	---
Owner:		Total Stories:	1	Block/SubDivision:	---
Builder Name:		Worst Case:	No	PlatBook:	---
Permit Office:		Rotate Angle:	0	Street:	
Jurisdiction:		Cross Ventilation:		County:	Columbia
Family Type:	Detached	Whole House Fan:		City, State, Zip:	, FL,
New/Existing:	New (From Plans)	Terrain:	Rural		
Year Construct:	2022	Shielding:	Moderate/Rural		
Comment:					

## CLIMATE

✓ Design Location	Tmy Site	Design Temp 97.5%	Design Temp 2.5%	Int Design Temp Winter	Int Design Temp 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	1964	19640

## SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	1964	19640	Yes	6	3	Yes	Yes	Yes

## FLOORS

(Total Exposed Area = 1964 sq.ft.)

✓ #	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet
___ 1	Slab-On-Grade Edge Ins	Main	193	0	1964 ft	0.537	---	0.15	0.60	0.25

## 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	Composition shingles	2274 ft²	572 ft²	Dark	N	0.92	No	0.9	No	0	30.26

## ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	1964 ft²	N	N

## CEILING

(Total Exposed Area = 1964 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Under Attic(Vented)	Main	30.0	Blown	1964.0ft²	0.053	0.11	Wood

# INPUT SUMMARY CHECKLIST REPORT

WALLS																	(Total Exposed Area = 2003 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	13.0	12.0	4	10.0	0	123.3	0.087	0.625	0.23	0.75	0 %					
___ 2	N	Exterior	Frame - Wood	Main	13.0	27.0	8	10.0	0	276.7	0.087	0.625	0.23	0.75	0 %					
___ 3	E	Exterior	Frame - Wood	Main	13.0	4.0	4	10.0	0	43.3	0.087	0.625	0.23	0.75	0 %					
___ 4	N	Exterior	Frame - Wood	Main	13.0	17.0	6	10.0	0	175.0	0.087	0.625	0.23	0.75	0 %					
___ 5	E	Exterior	Frame - Wood	Main	13.0	30.0	4	10.0	0	303.3	0.087	0.625	0.23	0.75	0 %					
___ 6	S	Exterior	Frame - Wood	Main	13.0	21.0	2	10.0	0	211.7	0.087	0.625	0.23	0.75	0 %					
___ 7	S	Exterior	Frame - Wood	Main	13.0	36.0	4	12.0	0	436.0	0.087	0.625	0.23	0.75	0 %					
___ 8	W	Exterior	Frame - Wood	Main	13.0	17.0	10	10.0	0	178.3	0.087	0.625	0.23	0.75	0 %					
___ 9	S	Exterior	Frame - Wood	Main	13.0	4.0	4	10.0	0	43.3	0.087	0.625	0.23	0.75	0 %					
___ 10	W	Exterior	Frame - Wood	Main	13.0	16.0	10	10.0	0	168.3	0.087	0.625	0.23	0.75	0 %					
___ 11	N	Exterior	Frame - Wood	Main	13.0	4.0	4	10.0	0	43.3	0.087	0.625	0.23	0.75	0 %					

  

DOORS																	(Total Exposed Area = 152 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	3.00	0	6.00	8	20.0ft²									
___ 2	N	Exterior	Insulated	Main	None	0.40	9.00	0	8.00	0	72.0ft²									
___ 3	N	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²									
___ 4	S	Exterior	Insulated	Main	None	0.40	5.00	0	8.00	0	40.0ft²									

  

WINDOWS																	(Total Exposed Area = 154 sq.ft.)			
✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Area	-----Overhang----- Depth	Separation	Interior Shade	Screening						
___ 1	N	1	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	15.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						
___ 2	N	2	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	10.0ft²	11.0 ft 6 in	2.0 ft 4 in	None	None						
___ 3	E	5	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	10.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						
___ 4	E	5	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	8.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						
___ 5	E	5	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	20.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						
___ 6	S	6	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	12.5ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						
___ 7	S	6	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	15.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						
___ 8	S	7	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	60.0ft²	9.0 ft 6 in	2.0 ft 4 in	None	None						
___ 9	W	10	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	3.5ft²	1.0 ft 6 in	2.0 ft 4 in	None	None						

  

INFILTRATION																
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)							
___ 1	Wholehouse	Proposed ACH(50)	0.00030	1544	84.70	159.01	0.1010	4.7	All							

  

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---- Entry Power Volt Current	Ducts	Block								
___ 1	Electric Heat Pump	None/Single		HSPF: 8.50	36.0	0.00 0.00 0.00	sys#1	1								

# INPUT SUMMARY CHECKLIST REPORT

## COOLING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None/Single		SEER:14.0	36.0	1080	0.85	sys#1	1

## HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___ 1	Electric	Tankless	Main	0.92 (0.92)	1.00 gal	60 gal	120 deg	Standard	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 #	Location	-----Supply----- R-Value Area	-----Return----- R-Value Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool
___ 1	Attic	6.0 393 ft²	Attic 6.0 98 ft²	Prop. Leak Free	Main	---	---	0.03	0.50	1 1

## TEMPERATURES

Programable Thermostat: Y					Ceiling Fans: N									
Cooling	[ ] Jan	[ ] Feb	[ ] Mar	[ ] Apr	[ ] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[ ] Oct	[ ] Nov	[ ] Dec		
Heating	[X] Jan	[X] Feb	[X] Mar	[ ] Apr	[ ] May	[ ] Jun	[ ] Jul	[ ] Aug	[ ] Sep	[ ] Oct	[X] Nov	[X] Dec		
Venting	[ ] Jan	[ ] Feb	[X] Mar	[X] Apr	[ ] May	[ ] Jun	[ ] Jul	[ ] Aug	[ ] Sep	[X] Oct	[X] Nov	[ ] 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 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	
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