

Project Name: Humphrey Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)
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<table style="width: 100%;"> <tr> <td style="width: 40%;">1. New construction or existing</td> <td style="width: 60%;">New (From Plans)</td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Detached</td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>5</td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>3823</td> </tr> <tr> <td>Conditioned floor area below grade (ft²)</td> <td>0</td> </tr> <tr> <td>7. Windows(439.0 sqft.)</td> <td>Description Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.26 439.00 ft²</td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.20</td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>c. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>Area Weighted Average Overhang Depth:</td> <td>1.500 ft</td> </tr> <tr> <td>Area Weighted Average SHGC:</td> <td>0.200</td> </tr> <tr> <td>8. Skylights</td> <td>Description Area</td> </tr> <tr> <td>U-Factor:(AVG)</td> <td>N/A N/A ft²</td> </tr> <tr> <td>SHGC(AVG):</td> <td>N/A</td> </tr> <tr> <td>9. Floor Types</td> <td>Insulation Area</td> </tr> <tr> <td>a. Slab-On-Grade Edge Insulation</td> <td>R= 0.0 3227.00 ft²</td> </tr> <tr> <td>b. Floor over Garage</td> <td>R= 0.0 596.00 ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> </table>	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)	3823	Conditioned floor area below grade (ft²)	0	7. Windows(439.0 sqft.)	Description Area	a. U-Factor:	Dbl, U=0.26 439.00 ft²	SHGC:	SHGC=0.20	b. U-Factor:	N/A ft²	SHGC:		c. U-Factor:	N/A ft²	SHGC:		Area Weighted Average Overhang Depth:	1.500 ft	Area Weighted Average SHGC:	0.200	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 3227.00 ft²	b. Floor over Garage	R= 0.0 596.00 ft²	c. N/A	R= ft²	<table style="width: 100%;"> <tr> <td style="width: 40%;">10. Wall Types(2883.3 sqft.)</td> <td style="width: 20%;">Insulation</td> <td style="width: 40%;">Area</td> </tr> <tr> <td>a. Frame - Wood, Exterior</td> <td>R=13.0</td> <td>2686.00 ft²</td> </tr> <tr> <td>b. Frame - Wood, Adjacent</td> <td>R=13.0</td> <td>197.33 ft²</td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>d. N/A</td> <td></td> <td></td> </tr> <tr> <td>11. Ceiling Types(3823.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>a. Single assembly, no ai (Unvented)</td> <td>R=0.0</td> <td>3823.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>12. Roof(Comp. Shingles, Unvent) Deck</td> <td>R=30.0</td> <td>4595 ft²</td> </tr> <tr> <td>13. Ducts, location & insulation level</td> <td>R</td> <td>ft²</td> </tr> <tr> <td>a. Sup: Main, Ret: Main, AH: Main</td> <td>6</td> <td>765</td> </tr> <tr> <td>b.</td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> </tr> <tr> <td>14. Cooling Systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>a. Central Unit</td> <td>60.0</td> <td>SEER2:17.00</td> </tr> <tr> <td>15. Heating Systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>a. Electric Heat Pump</td> <td>60.0</td> <td>HSPF2:7.80</td> </tr> <tr> <td>16. Hot Water Systems</td> <td></td> <td></td> </tr> <tr> <td>a. PropaneTankless</td> <td></td> <td>Cap: 1 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF: 0.590</td> </tr> <tr> <td>b. Conservation features</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>None</td> </tr> <tr> <td>17. Credits</td> <td></td> <td>CF, Pstat</td> </tr> </table>	10. Wall Types(2883.3 sqft.)	Insulation	Area	a. Frame - Wood, Exterior	R=13.0	2686.00 ft²	b. Frame - Wood, Adjacent	R=13.0	197.33 ft²	c. N/A			d. N/A			11. Ceiling Types(3823.0 sqft.)	Insulation	Area	a. Single assembly, no ai (Unvented)	R=0.0	3823.00 ft²	b. N/A			c. N/A			12. Roof(Comp. Shingles, Unvent) Deck	R=30.0	4595 ft²	13. Ducts, location & insulation level	R	ft²	a. Sup: Main, Ret: Main, AH: Main	6	765	b.			c.			14. Cooling Systems	kBtu/hr	Efficiency	a. Central Unit	60.0	SEER2:17.00	15. Heating Systems	kBtu/hr	Efficiency	a. Electric Heat Pump	60.0	HSPF2:7.80	16. Hot Water Systems			a. PropaneTankless		Cap: 1 gallons			EF: 0.590	b. Conservation features					None	17. Credits		CF, Pstat
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Glass/Floor Area: 0.115	Total Proposed Modified Loads: 81.94	PASS
	Total Baseline Loads: 92.14	

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.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY: _____ DATE: 8-6-25	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: _____
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I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: _____ DATE: _____	
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- Page 1

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title: Humphrey Residence

Building Type: User

Owner:

Builder Home ID:

Builder Name:

Permit Office:

Jurisdiction:

Family Type: Detached

New/Existing: New (From Plans)

Year Construct: 2025

Comment:

Bedrooms: 5

Conditioned Area: 3823

Total Stories: 1

Worst Case: No

Rotate Angle: 0

Cross Ventilation:

Whole House Fan:

Terrain: Rural

Shielding: Moderate/Rural

Address type: Street Address

Lot #: ---

Block/SubDivision: ---

PlatBook: ---

Street:

County: Columbia

City, State, Zip: , FL,

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

3823

33811 cu ft

SPACES

✓ Number

Name

Area

Volume

Kitchen

Occupants

Bedrooms

Finished

Cooled

Heated

___ 1

Main

3227

29043

Yes

8

4

Yes

Yes

Yes

___ 2

bonus Room

596

4768

No

2

1

Yes

Yes

Yes

FLOORS (Total Exposed Area = 3823 sq.ft.)

✓ #

Floor Type

Space

Exposed Perim(ft)

Area

R-Value Perim. Joist

U-Factor

Slab Insul. Vert/Horiz

Tile

Wood

Carpet

___ 1

Slab-On-Grade Edge Ins

Main

305

3227 sqft

0.0 ---

0.563

0 (ft)/0 (ft)

0.20

0.60

0.20

___ 2

Floor over Garage

bonus Room

596 sqft

--- 0.0

0.173

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

Composition shingles

4595 ft²

1274 ft²

0.11

Dark

N

0.92

No

0.9

No

30

33.69

ATTIC

✓ #

Type

Ventilation

Vent Ratio (1 in)

Area

RBS

IRCC

___ 1

No attic

Unvented

0

3823 ft²

N

N

INPUT SUMMARY CHECKLIST REPORT

CEILING														(Total Exposed Area = 3823 sq.ft.)			
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type									
___ 1	Single assembly, no airspace(Unvented)	Main	0.0	Blown	3227.0ft²	0.031	0.11	Wood									
___ 2	Single assembly, no airspace(Unvented)	bonus Room	0.0	Blown	596.0ft²	0.031	0.11	Wood									

WALLS														(Total Exposed Area = 2883 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	20.0	0	9.0	0	180.0	0.084		0.23	0.75	0 %		
___ 2	E	Exterior	Frame - Wood	Main	13.0	37.0	8	9.0	0	339.0	0.084		0.23	0.75	0 %		
___ 3	N	Exterior	Frame - Wood	Main	13.0	30.0	2	10.0	0	301.7	0.084		0.23	0.75	0 %		
___ 4	N	Garage	Frame - Wood	Main	13.0	24.0	8	8.0	0	197.3	0.084		0.23	0.75	0 %		
___ 5	E	Exterior	Frame - Wood	Main	13.0	35.0	4	9.0	0	318.0	0.084		0.23	0.75	0 %		
___ 6	S	Exterior	Frame - Wood	Main	13.0	10.0	0	9.0	0	90.0	0.084		0.23	0.75	0 %		
___ 7	E	Exterior	Frame - Wood	Main	13.0	2.0	0	9.0	0	18.0	0.084		0.23	0.75	0 %		
___ 8	S	Exterior	Frame - Wood	Main	13.0	14.0	8	9.0	0	132.0	0.084		0.23	0.75	0 %		
___ 9	W	Exterior	Frame - Wood	Main	13.0	5.0	0	9.0	0	45.0	0.084		0.23	0.75	0 %		
___ 10	S	Exterior	Frame - Wood	Main	13.0	9.0	0	9.0	0	81.0	0.084		0.23	0.75	0 %		
___ 11	E	Exterior	Frame - Wood	Main	13.0	2.0	8	10.0	0	26.7	0.084		0.23	0.75	0 %		
___ 12	S	Exterior	Frame - Wood	Main	13.0	33.0	6	10.0	0	335.0	0.084		0.23	0.75	0 %		
___ 13	W	Exterior	Frame - Wood	Main	13.0	2.0	8	9.0	0	24.0	0.084		0.23	0.75	0 %		
___ 14	S	Exterior	Frame - Wood	Main	13.0	5.0	0	9.0	0	45.0	0.084		0.23	0.75	0 %		
___ 15	W	Exterior	Frame - Wood	Main	13.0	39.0	4	9.0	0	354.0	0.084		0.23	0.75	0 %		
___ 16	S	Exterior	Frame - Wood	Main	13.0	2.0	8	9.0	0	24.0	0.084		0.23	0.75	0 %		
___ 17	W	Exterior	Frame - Wood	Main	13.0	30.0	0	9.0	0	270.0	0.084		0.23	0.75	0 %		
___ 18	N	Exterior	Frame - Wood	bonus Room	13.0	12.0	10	8.0	0	102.7	0.084		0.23	0.75	0 %		

DOORS														(Total Exposed Area = 144 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area						
___ 1	E	Exterior	Insulated	Main	None	0.46	3.00	0	8.00	0	24.0ft²						
___ 2	N	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²						
___ 3	N	Garage	Insulated	Main	None	0.46	3.00	0	8.00	0	24.0ft²						
___ 4	S	Exterior	Insulated	Main	None	0.46	6.00	0	8.00	0	48.0ft²						

WINDOWS														(Total Exposed Area = 439 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	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	1.3	None	None
___ 2	E	2	Vinyl	Low-E Double	Y	0.26	0.20	N	N	72.0	4	3.00	6.00	1.5	1.3	None	None
___ 3	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	1.3	None	None
___ 4	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	16.0	1	4.00	4.00	1.5	1.3	None	None
___ 5	E	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	1.3	None	None
___ 6	E	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	8.0	1	2.00	4.00	1.5	1.3	None	None
___ 7	E	5	Vinyl	Low-E Double	Y	0.26	0.20	N	N	30.0	1	5.00	6.00	1.5	1.3	None	None
___ 8	S	6	Vinyl	Low-E Double	Y	0.26	0.20	N	N	10.0	1	2.50	4.00	1.5	1.3	None	None
___ 9	S	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	1.3	None	None
___ 10	S	10	Vinyl	Low-E Double	Y	0.26	0.20	N	N	10.0	1	2.50	4.00	1.5	1.3	None	None
___ 11	S	12	Vinyl	Low-E Double	Y	0.26	0.20	N	N	72.0	4	3.00	6.00	1.5	1.3	None	None
___ 12	W	15	Vinyl	Low-E Double	Y	0.26	0.20	N	N	8.0	2	4.00	1.00	1.5	1.3	None	None
___ 13	W	15	Vinyl	Low-E Double	Y	0.26	0.20	N	N	18.0	1	3.00	6.00	1.5	1.3	None	None
___ 14	W	17	Vinyl	Low-E Double	Y	0.26	0.20	N	N	54.0	3	3.00	6.00	1.5	1.3	None	None
___ 15	N	18	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	1.3	None	None

INPUT SUMMARY CHECKLIST REPORT

INFILTRATION											
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume	
___ 1	Wholehouse	Proposed ACH(50)	0.00034	3381	185.50	348.25	0.1224	6.0	All	33811 cu ft	

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation
___ 1	1139 ft²	46.2 ft²	24.7 ft²	1139 ft²	117 ft	543 ft	9 ft	13

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	bonus Room

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		HSPF2: 7.80	60.0		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
___ 1	Central Unit	None/Single		SEER2:17.0	60.0	1800	0.75	sys#1	1

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	80 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	AHU SEALED	RLF	HVAC # Heat Cool			
___ 1	Main 6.0 765 ft²	Main 6.0 191 ft²	Prop. Leak Free	Main	--- ---	0.030	Yes	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

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES(Continued)

✓ Thermostat Schedule: HERS 2006 Reference		Hours											
Schedule Type		1	2	3	4	5	6	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