

Project Name: Roberts Residence			Builder Name:		
Street:			Permit Office:		
City, State, Zip: , FL,			Permit Number:		
Owner:			Jurisdiction:		
Design Location: FL, Gainesville			County: columbia(Florida Climate Zone 2)		

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	4	
5. Is this a worst case?	No	
6. Conditioned floor area above grade (ft²)	2975	
Conditioned floor area below grade (ft²)	0	
7. Windows(485.5 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.26	485.50 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	2975.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
10. Wall Types(3339.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	3159.00 ft²
b. Frame - Wood, Adjacent	R=13.0	180.00 ft²
c. N/A		
d. N/A		
11. Ceiling Types(2975.0 sqft.)	Insulation	Area
a. Flat ceiling under att (Unvented)	R=30.0	2975.00 ft²
b. N/A		
c. N/A		
12. Roof(Comp. Shingles, Vented)	Deck R=0.0	3326 ft²
13. Ducts, location & insulation level	R	ft²
a. Sup: Attic, Ret: Attic, AH: Garage	6	400
b. Sup: Attic, Ret: Attic, AH: On Suite	6	120
c.		
14. Cooling Systems	kBtu/hr	Efficiency
a. Central Unit	48.0	SEER:15.00
b. Central Unit	24.0	SEER:15.00
15. Heating Systems	kBtu/hr	Efficiency
a. Electric Heat Pump	48.0	HSPF:8.50
b. Electric Heat Pump	24.0	HSPF:8.50
16. Hot Water Systems		
a. ElectricTankless	Cap: 1 gallons	
	EF: 0.920	
b. Conservation features		
	None	
17. Credits	CF, Pstat	

PASS

BUILDING OFFICIAL: _____
DATE: _____

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INPUT SUMMARY CHECKLIST REPORT

PROJECT												
Title: Roberts Residence		Bedrooms: 4		Address type: Street Address								
Building Type: User		Conditioned Area: 2975		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: 2023		Shielding: Moderate/Rural										
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	2427	21843 cu ft									
___ 2	Block2	548	4932 cu ft									
SPACES												
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated			
___ 1	Main	2427	21843	Yes	4	2	Yes	Yes	Yes			
___ 2	On Suite	548	4932	No	4	2	Yes	Yes	Yes			
FLOORS (Total Exposed Area = 2975 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	281	0	2427 ft	0.563	---	0.20	0.60	0.20		
___ 2	Slab-On-Grade Edge Ins	On Suite	94	0	548 ft	0.304	---	0.00	0.00	1.00		
ROOF												
✓ #	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Hip	Composition shingles	3326 ft²	0 ft²	Medium	N	0.85	No	0.9	No	0	26.57
ATTIC												
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC						
___ 1	Full attic	Vented	300	2975 ft²	N	N						

INPUT SUMMARY CHECKLIST REPORT

CEILING														(Total Exposed Area = 2975 sq.ft.)			
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type									
___ 1	Flat ceiling under attic(Vented)	Main	30.0	Blown	2427.0ft²	0.053	0.11	Wood									
___ 2	Flat ceiling under attic(Vented)	On Suite	30.0	Blown	548.0ft²	0.053	0.11	Wood									

WALLS														(Total Exposed Area = 3339 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	38.0	6	9.0	0	346.5	0.094		0.23	0.75	0 %		
___ 2	W	Exterior	Frame - Wood	Main	13.0	49.0	2	9.0	0	442.5	0.094		0.23	0.75	0 %		
___ 3	N	Exterior	Frame - Wood	Main	13.0	20.0	0	9.0	0	180.0	0.094		0.23	0.75	0 %		
___ 4	E	Exterior	Frame - Wood	Main	13.0	72.0	10	9.0	0	655.5	0.094		0.23	0.75	0 %		
___ 5	S	Garage	Frame - Wood	Main	13.0	20.0	0	9.0	0	180.0	0.094		0.23	0.75	0 %		
___ 6	N	Exterior	Frame - Wood	Main	13.0	11.0	9	9.0	0	105.8	0.094		0.23	0.75	0 %		
___ 7	E	Exterior	Frame - Wood	Main	13.0	7.0	4	9.0	0	66.0	0.094		0.23	0.75	0 %		
___ 8	S	Exterior	Frame - Wood	Main	13.0	9.0	4	9.0	0	84.0	0.094		0.23	0.75	0 %		
___ 9	W	Exterior	Frame - Wood	Main	13.0	7.0	4	9.0	0	66.0	0.094		0.23	0.75	0 %		
___ 10	S	Exterior	Frame - Wood	Main	13.0	18.0	7	9.0	0	167.3	0.094		0.23	0.75	0 %		
___ 11	W	Exterior	Frame - Wood	Main	13.0	22.0	6	9.0	0	202.5	0.094		0.23	0.75	0 %		
___ 12	N	Exterior	Frame - Wood	On Suite	13.0	24.0	4	9.0	0	219.0	0.094		0.23	0.75	0 %		
___ 13	E	Exterior	Frame - Wood	On Suite	13.0	22.0	6	9.0	0	202.5	0.094		0.23	0.75	0 %		
___ 14	S	Exterior	Frame - Wood	On Suite	13.0	24.0	4	9.0	0	219.0	0.094		0.23	0.75	0 %		
___ 15	W	Exterior	Frame - Wood	On Suite	13.0	22.0	6	9.0	0	202.5	0.094		0.23	0.75	0 %		

DOORS														(Total Exposed Area = 100 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area						
___ 1	W	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 2	S	Garage	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 3	W	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 4	W	Exterior	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 5	E	Exterior	Insulated	On Suite	None	0.40	3.00	0	6.00	8	20.0ft²						

WINDOWS														(Total Exposed Area = 486 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	132.0	2	9.00	7.33	1.5	2.3	None	None
___ 2	N	1	Vinyl	Low-E Double	Y	0.26	0.20	N	N	14.0	1	3.00	4.67	1.5	2.3	None	None
___ 3	W	2	Vinyl	Low-E Double	Y	0.26	0.20	N	N	12.0	2	6.00	1.00	1.5	2.3	None	None
___ 4	W	2	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	1	6.00	6.00	1.5	2.3	None	None
___ 5	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 6	E	4	Vinyl	Low-E Double	Y	0.26	0.20	N	N	27.0	3	3.00	3.00	1.5	2.3	None	None
___ 7	E	4	Vinyl	Low-E Double	Y	0.26	0.20	N	N	54.0	3	3.00	6.00	1.5	2.3	None	None
___ 8	N	6	Vinyl	Low-E Double	Y	0.26	0.20	N	N	28.0	1	6.00	4.67	1.5	2.3	None	None
___ 9	S	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	22.0	1	3.00	7.33	1.5	2.3	None	None
___ 10	S	10	Vinyl	Low-E Double	Y	0.26	0.20	N	N	44.0	1	6.00	7.33	1.5	2.3	None	None
___ 11	W	11	Vinyl	Low-E Double	Y	0.26	0.20	N	N	22.0	1	3.00	7.33	1.5	2.3	None	None
___ 12	N	12	Vinyl	Low-E Double	Y	0.26	0.20	N	N	15.0	1	3.00	5.00	1.5	2.3	None	None
___ 13	S	14	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None
___ 14	W	15	Vinyl	Low-E Double	Y	0.26	0.20	N	N	7.5	1	2.50	3.00	1.5	2.3	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)	0.00029	2231	122.41	229.82	0.1027	5.0	All	26775 cu ft

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	782 ft²	782 ft²	96 ft	9 ft	1

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	On Suite

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		HSPF: 8.50	48.0		0.00	0.00	0.00	sys#1	1
___ 2	Electric Heat Pump	None/Single		HSPF: 8.50	24.0		0.00	0.00	0.00	sys#2	2

COOLING SYSTEM									
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None/Single		SEER:15.0	48.0	1440	0.85	sys#1	1
___ 2	Central Unit	None/Single		SEER:15.0	24.0	720	0.85	sys#2	2

HOT WATER SYSTEM										
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___ 1	Electric	Tankless	Exterior	0.92 (0.92)	1.00 gal	70 gal	120 deg	Standard	None	150

	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	Location	-----Return----- R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	Qn	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	400 ft²	Attic	6.0	120 ft²	Default Leakage	Garage	(Default)	(Default)			1 1
___ 2	Attic	6.0	120 ft²	Attic	6.0	40 ft²	Default Leakage	On Suite	(Default)	(Default)			2 2

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES														
Programable Thermostat: Y				Ceiling Fans: N										
Cooling	☐ Jan	☐ Feb	☐ Mar	☐ Apr	☐ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☐ Oct	☐ Nov	☐ Dec		
Heating	☒ Jan	☒ Feb	☒ Mar	☐ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☐ Oct	☒ Nov	☒ Dec		
Venting	☐ Jan	☐ Feb	☒ Mar	☒ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ 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
___	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