

Project Name:	Stallings 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)		10. Wall Types(3345.2 sqft.)	Insulation	Area
2. Single family or multiple family	Detached		a. Concrete Block - Int Insul, Exterior	R=13.0	2959.40 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	385.78 ft ²
4. Number of Bedrooms	3		c. N/A		
5. Is this a worst case?	No		d. N/A		
6. Conditioned floor area above grade (ft ²)	3908		11. Ceiling Types(3908.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0		a. Flat ceiling under att (Vented)	R=30.0	2546.00 ft ²
7. Windows(205.0 sqft.)	Description	Area	b. Single assembly, no ai (Vented)	R=30.0	1362.00 ft ²
a. U-Factor:	Dbl, U=0.26	205.00 ft ²	c. N/A		
SHGC:	SHGC=0.20		12. Roof(Comp. Shingles, Vented)	Deck R=0.0	2684 ft ²
b. U-Factor:	N/A	ft ²	13. Ducts, location & insulation level	R	ft ²
SHGC:			a. Sup: Attic, Ret: Attic, AH: Garage		6 782
c. U-Factor:	N/A	ft ²	b.		
SHGC:			c.		
Area Weighted Average Overhang Depth:	1.500 ft		14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.200		a. Central Unit	48.0	SEER2:14.80
8. Skylights	Description	Area	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	N/A ft ²	a. Electric Heat Pump	48.0	HSPF2:7.80
SHGC(AVG):	N/A		16. Hot Water Systems		
9. Floor Types	Insulation	Area	a. PropaneTankless		Cap: 1 gallons
a. Slab-On-Grade Edge Insulation	R= 0.0	2546.00 ft ²			EF: 0.590
b. Floor Over Other Space	R= 0.0	1362.00 ft ²	b. Conservation features		
c. N/A	R=	ft ²	17. Credits		None
					CF, Pstat

PASS

- 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.
- Default duct leakage does not require a Duct Leakage Test Report.
- 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 4.17 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Stallings Residence	Bedrooms:	3	Address type:	Street Address
Building Type:	User	Conditioned Area:	3908	Lot #:	---
Owner:		Total Stories:	2	Block/SubDivision:	---
Builder Home ID:		Worst Case:	No	PlatBook:	---
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL,
Family Type:	Detached	Terrain:	Rural		
New/Existing:	New (From Plans)	Shielding:	Moderate/Rural		
Year Construct:	2023				
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	3908	35635 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	2546	22914	Yes	6	3	Yes	Yes	Yes
___ 2	basement 1	1362	12721	No	4	0	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 2546 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	104	0	1184 ft	0.535	---	0.20	0.20	0.60
___ 2	Floor Over Other Space	Main	---	---	1362 ft	0.239		0.20	0.60	0.20
___ 3	Slab-On-Grade Edge Ins	basement 1	149	0	1362 ft	0.439	---	0.10	0.00	0.90

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	2684 ft²	424 ft²	Medium	N	0.85	No	0.9	No	0	18.43

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	2546 ft²	N	N

INPUT SUMMARY CHECKLIST REPORT

CEILING														(Total Exposed Area = 3908 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		2546.0ft²		0.053	0.11		Wood				
___ 2	Single assembly, no airspace(Vented)			basement 1	30.0	Blown		1362.0ft²		0.060	0.11		Wood				

WALLS														(Total Exposed Area = 3345 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	Conc. Blk - Int Ins	Main	13.0	35.0	8	9.0	4	332.9	0.064		0	0.75	0 %		
___ 2	W	Exterior	Conc. Blk - Int Ins	Main	13.0	5.0	0	9.0	4	46.7	0.064		0	0.75	0 %		
___ 3	E	Exterior	Conc. Blk - Int Ins	Main	13.0	40.0	4	9.0	4	376.4	0.064		0	0.75	0 %		
___ 4	S	Exterior	Conc. Blk - Int Ins	Main	13.0	69.0	4	9.0	4	647.1	0.064		0	0.75	0 %		
___ 5	W	Garage	Frame - Wood	Main	13.0	41.0	4	9.0	4	385.8	0.094		0.23	0.75	0 %		
___ 6	N	Exterior	Conc. Blk - Int Ins	basement 1	13.0	23.0	1	9.0	4	215.4	0.064	0	0	0.75	0 %		
___ 7	W	Exterior	Conc. Blk - Int Ins	basement 1	13.0	5.0	0	9.0	4	46.7	0.064		0	0.75	0 %		
___ 8	N	Exterior	Conc. Blk - Int Ins	basement 1	13.0	12.0	8	9.0	4	118.2	0.064		0	0.75	0 %		
___ 9	E	Exterior	Conc. Blk - Int Ins	basement 1	13.0	40.0	4	9.0	4	376.4	0.064		0	0.75	0 %		
___ 10	S	Exterior	Conc. Blk - Int Ins	basement 1	13.0	37.0	0	9.0	4	345.3	0.064		0	0.75	0 %		
___ 11	W	Exterior	Conc. Blk - Int Ins	basement 1	13.0	35.0	4	9.0	4	329.8	0.064	0	0	0.75	0 %		
___ 12	N	Exterior	Conc. Blk - Int Ins	Main	13.0	13.0	4	9.0	4	124.4	0.064		0	0.75	0 %		

DOORS														(Total Exposed Area = 252 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	3.00	0	6.00	8	20.0ft²						
___ 3	N	Exterior	Insulated	Main	None	0.40	12.00	0	8.00	0	96.0ft²						
___ 4	S	Exterior	Insulated	Main	None	0.40	7.00	0	8.00	0	56.0ft²						
___ 5	W	Garage	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 6	N	Exterior	Insulated	basement 1	None	0.40	3.00	0	6.00	8	20.0ft²						
___ 7	W	Exterior	Insulated	basement 1	None	0.40	3.00	0	6.00	8	20.0ft²						

WINDOWS														(Total Exposed Area = 205 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	8.0	2	3.00	1.33	1.5	2.3	None	None
___ 2	N	1	Vinyl	Low-E Double	Y	0.26	0.20	N	N	10.5	1	3.00	3.50	1.5	2.3	None	None
___ 3	N	1	Vinyl	Low-E Double	Y	0.26	0.20	N	N	10.5	2	1.50	3.50	1.5	2.3	None	None
___ 4	E	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	20.0	2	2.00	5.00	1.5	2.3	None	None
___ 5	E	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	2.7	1	2.00	1.33	1.5	2.3	None	None
___ 6	E	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	5.3	1	4.00	1.33	1.5	2.3	None	None
___ 7	S	4	Vinyl	Low-E Double	Y	0.26	0.20	N	N	144.0	8	3.00	6.00	1.5	2.3	None	None
___ 8	N	6	Vinyl	Low-E Double	Y	0.26	0.20	N	N	4.0	1	3.00	1.33	1.5	2.3	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00024	2477	135.88	255.09	0.1136	4.2	All	35635 cu ft

INPUT SUMMARY CHECKLIST REPORT

GARAGE														
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation									
___ 1	836 ft²	836 ft²	83 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 basement 1									
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30										
HEATING SYSTEM														
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---		Ducts	Block					
___ 1	Electric Heat Pump	None/Single		HSPF2: 7.80	48.0	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		SEER2:14.8	48.0	1440	0.85	sys#1	1					
HOT WATER SYSTEM														
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length				
___ 1	Propane	Tankless	Exterior	0.59 (0.59)	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	6.0 782 ft²	Attic 6.0 195 ft²	Default Leakage	Garage	(Default)	(Default)			1 1				
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: Schedule Type	HERS 2006 Reference	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

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES(Continued)

___ 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