

Project Name: Harrell Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville				Builder Name: Permit Office: Permit Number: Jurisdiction: 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 2 5. Is this a worst case? No 6. Conditioned floor area above grade (ft²) 1270 Conditioned floor area below grade (ft²) 0 7. Windows(114.0 sqft.) Description Area a. U-Factor: Dbl, U=0.26 114.00 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 1270.00 ft² b. N/A R= ft² c. N/A R= ft²				10. Wall Types(1362.0 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 1173.00 ft² b. Frame - Wood, Adjacent R=13.0 189.00 ft² c. N/A d. N/A 11. Ceiling Types(1270.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=30.0 1270.00 ft² b. N/A c. N/A 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1470 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Main 6 254 b. c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 30.0 SEER2:14.30 15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 30.0 HSPF2:7.50 16. Hot Water Systems a. ElectricTankless Cap: 1 gallons EF: 0.920 b. Conservation features None 17. Credits CF, Pstat			

PASS

BUILDING OFFICIAL: _____
DATE: _____

- 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 4.95 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Harrell Residence			Bedrooms:	2		Address type:	Street Address					
Building Type:	User			Conditioned Area:	1270		Lot #:	---					
Owner:				Total Stories:	1		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		Int Design Temp		Heating		Design		Daily temp	
				97.5%	2.5%	Winter	Summer	Degree Days		Moisture		Range	
___ FL, Gainesville	FL_GAINESVILLE_REGIONA			32	92	70	75	1305.5		51		Medium	
BLOCKS													
✓ Number	Name		Area	Volume									
___ 1	Block1		1270	11430 cu ft									
SPACES													
✓ Number	Name		Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated			
___ 1	Main		1270	11430	Yes	4	2	Yes	Yes	Yes			
FLOORS (Total Exposed Area = 1270 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	151	0	1270 ft	0.563	---	0.20	0.60	0.20		
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	1470 ft²	0 ft²	Medium	N	0.96	No	0.9	No	0	30.26
ATTIC													
✓ #	Type		Ventilation	Vent Ratio (1 in)		Area	RBS	IRCC					
___ 1	Full attic		Vented	300		1270 ft²	N	N					
CEILING (Total Exposed Area = 1270 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	1270.0ft²	0.053	0.11	Wood				

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 1362 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	15.0	8	9.0	0	141.0	0.094		0.23	0.75	0 %				
___ 2	E	Exterior	Frame - Wood	Main	13.0	8.0	0	9.0	0	72.0	0.094		0.23	0.75	0 %				
___ 3	N	Exterior	Frame - Wood	Main	13.0	18.0	8	9.0	0	168.0	0.094		0.23	0.75	0 %				
___ 4	E	Exterior	Frame - Wood	Main	13.0	6.0	0	9.0	0	54.0	0.094		0.23	0.75	0 %				
___ 5	E	Garage	Frame - Wood	Main	13.0	21.0	0	9.0	0	189.0	0.094		0.23	0.75	0 %				
___ 6	E	Exterior	Frame - Wood	Main	13.0	6.0	4	9.0	0	57.0	0.094		0.23	0.75	0 %				
___ 7	S	Exterior	Frame - Wood	Main	13.0	34.0	4	9.0	0	309.0	0.094		0.23	0.75	0 %				
___ 8	W	Exterior	Frame - Wood	Main	13.0	41.0	4	9.0	0	372.0	0.094		0.23	0.75	0 %				

DOORS										(Total Exposed Area = 111 sq.ft.)			
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	E	Exterior	Insulated	Main	None	0.40	2.00	8	6.00	8	17.8ft²		
___ 2	N	Exterior	Insulated	Main	None	0.40	6.00	0	6.00	8	40.0ft²		
___ 3	E	Garage	Insulated	Main	None	0.40	3.00	0	6.00	8	20.0ft²		
___ 4	S	Exterior	Insulated	Main	None	0.40	5.00	0	6.00	8	33.3ft²		

WINDOWS															(Total Exposed Area = 114 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	30.0	2	3.00	5.00	1.5	2.3	None	None	
___ 2	N	3	Vinyl	Low-E Double	Y	0.26	0.20	N	N	30.0	2	3.00	5.00	1.5	2.3	None	None	
___ 3	S	7	Vinyl	Low-E Double	Y	0.26	0.20	N	N	12.0	1	3.00	4.00	1.5	2.3	None	None	
___ 4	S	7	Vinyl	Low-E Double	Y	0.26	0.20	N	N	36.0	2	3.00	6.00	1.5	2.3	None	None	
___ 5	W	8	Vinyl	Low-E Double	Y	0.26	0.20	N	N	6.0	1	3.00	2.00	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)	0.00028	943	51.73	97.13	0.1017	4.9	All	11430 cu ft

GARAGE					
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
___ 1	420 ft²	420 ft²	61 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

HEATING SYSTEM									
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump----	Ducts	Block	
						Entry	Power	Volt	Current

INPUT SUMMARY CHECKLIST REPORT

HEATING SYSTEM(Continued)

___ 1 Electric Heat Pump None/Single HSPF2: 7.50 30.0 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 SEER2:14.3 30.0 900 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 Exterior 0.92 (0.92) 1.00 gal 50 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 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 6.0 254 ft² Attic 6.0 64 ft² Default Leakage Main (Default) (Default) 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 7 8 9 10 11 12

___ Cooling (WD) AM 78 78 78 78 78 78 78 78 80 80 80 80
PM 80 80 80 80 78 78 78 78 78 78 78 78

___ Cooling (WEH) AM 78 78 78 78 78 78 78 78 80 80 80 80
PM 80 80 80 80 78 78 78 78 78 78 78 78

___ Heating (WD) AM 65 65 65 65 65 65 65 68 68 68 68 68
PM 68 68 68 68 68 68 68 68 68 68 68 68

___ Heating (WEH) AM 65 65 65 65 65 65 65 68 68 68 68 68
PM 68 68 68 68 68 68 68 68 68 68 68 68