



**INPUT SUMMARY CHECKLIST REPORT****PROJECT**

Title:	Powell Residence	Address type:	Street Address		
Building Type:	User	Bedrooms:	6	Lot #:	---
Owner:	Derek & Joanna Powell	Conditioned Area:	5030	Block/SubDivision:	---
Builder Home ID:		Total Stories:	2	PlatBook:	---
Builder Name:	JM Properties of WPB	Worst Case:	No	Street:	20345 NW 248th Drive
Permit Office:	Lake City	Rotate Angle:	0	County:	Columbia
Jurisdiction:	211000	Cross Ventilation:	No	City, State, Zip:	High Springs, FL, 32643
Family Type:	Detached	Whole House Fan:	No		
New/Existing:	New (From Plans)	Terrain:	Suburban		
Year Construct:	2025	Shielding:	Suburban		
Comment:	SEER2				

**CLIMATE**

<input checked="" type="checkbox"/> Design Location	Tmy Site	Design Temp	97.5%	2.5%	Int Design Temp	Winter	Summer	Heating Degree Days	Design Moisture	Daily temp Range
<input type="checkbox"/> FL, Gainesville	FL_GAINESVILLE_REGIONA	32	92		70	75	1305.5	51		Medium

**BLOCKS**

<input checked="" type="checkbox"/> Number	Name	Area	Volume							
<input type="checkbox"/> 1	Block1	2204	20277 cu ft							
<input type="checkbox"/> 2	Block2	1169	11296 cu ft							
<input type="checkbox"/> 3	Block3	444	3552 cu ft							
<input type="checkbox"/> 4	Block4	1213	12130 cu ft							

**SPACES**

<input checked="" type="checkbox"/> Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
<input type="checkbox"/> 1	AC 1 Main House	2204	20277	Yes	3	3	Yes	Yes	Yes
<input type="checkbox"/> 2	AC 2 Master Suite Study	1169	11296	No	2	1	Yes	Yes	Yes
<input type="checkbox"/> 3	AC 3 Bonus Room	444	3552	No	2	1	Yes	Yes	Yes
<input type="checkbox"/> 4	AC 4 InLaw Suite	1213	12130	Yes	2	1	Yes	Yes	Yes

**FLOORS**

(Total Exposed Area = 5030 sq.ft.)

<input checked="" type="checkbox"/> #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim.	U-Factor Joist	Slab Insul. Vert/Horiz	Tile	Wood	Carpet	
<input type="checkbox"/> 1	Slab-On-Grade Edge Ins	AC 1 Main House	226	2204 sqft	0.0	---	0.304	2 (ft)/0 (ft)	0.00	0.00	1.00
<input type="checkbox"/> 2	Slab-On-Grade Edge Ins	AC 2 Master Suite St	125	1169 sqft	0.0	---	0.304	2 (ft)/0 (ft)	0.00	0.00	1.00
<input type="checkbox"/> 3	Floor over Garage	AC 3 Bonus Room	---	444 sqft	---	11.0	0.064	-----	0.00	0.00	1.00
<input type="checkbox"/> 4	Slab-On-Grade Edge Ins	AC 4 InLaw Suite	164	1213 sqft	0.0	---	0.304	2 (ft)/0 (ft)	0.00	0.00	1.00

**ROOF**

<input checked="" type="checkbox"/> #	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
<input type="checkbox"/> 1	Gable or shed	Composition shingles	6132 ft²	1700 ft²	0.10	Light	N	0.6	No	0.9	No	0	33.69

# INPUT SUMMARY CHECKLIST REPORT

ATTIC													
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC							
___ 1	Full attic	Vented	300	5102 ft²	N	N							
CEILING (Total Exposed Area = 5102 sq.ft.)													
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type					
___ 1	Sloped ceiling under attic(Vented)	AC 1 Main House	30.0	Blown	2204.0ft²	0.030	0.11	Wood					
___ 2	Flat ceiling under attic(Vented)	AC 2 Master Suite St	30.0	Blown	1169.0ft²	0.030	0.11	Wood					
___ 3	Flat ceiling under attic(Vented)	AC 3 Bonus Room	30.0	Blown	444.0ft²	0.030	0.11	Wood					
___ 4	Flat ceiling under attic(Vented)	AC 4 InLaw Suite	30.0	Blown	1213.0ft²	0.030	0.11	Wood					
___ 5	Knee wall to attic(Vented)	AC 2 Master Suite St	30.0	Blown	72.0ft²	0.030	0.11	Wood					
WALLS (Total Exposed Area = 5700 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	E	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	23.0 0	10.0 0	230.0	0.141	0.4	0	0.30	0.0 %
___ 2	N	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	9.0 0	10.0 0	90.0	0.141	0.4	0	0.30	0.0 %
___ 3	E	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	3.0 0	10.0 0	30.0	0.141	0.4	0	0.30	0.0 %
___ 4	E	Garage	Frame - Wood	AC 1 Main House	11.0	15.0 0	10.0 0	150.0	0.088	0.4	0.23	0.30	0.0 %
___ 5	E	Garage	Frame - Wood	AC 1 Main House	11.0	10.0 0	10.0 0	100.0	0.088	0.4	0.23	0.30	0.0 %
___ 6	E	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	3.5 0	10.0 0	35.0	0.141	0.4	0	0.30	0.0 %
___ 7	S	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	18.0 0	10.0 0	180.0	0.141	0.4	0	0.30	0.0 %
___ 8	S	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	8.0 0	10.0 0	80.0	0.141	0.4	0	0.30	0.0 %
___ 9	S	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	14.0 0	10.0 0	140.0	0.141	0.4	0	0.30	0.0 %
___ 10	W	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	3.5 0	10.0 0	35.0	0.141	0.4	0	0.30	0.0 %
___ 11	S	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	19.0 0	10.0 0	190.0	0.141	0.4	0	0.30	0.0 %
___ 12	W	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	17.0 0	10.0 0	170.0	0.141	0.4	0	0.30	0.0 %
___ 13	N	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	9.0 0	10.0 0	90.0	0.141	0.4	0	0.30	0.0 %
___ 14	W	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	14.0 0	10.0 0	140.0	0.141	0.4	0	0.30	0.0 %
___ 15	N	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	11.0 0	10.0 0	110.0	0.141	0.4	0	0.30	0.0 %
___ 16	W	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	1.0 0	10.0 0	10.0	0.141	0.4	0	0.30	0.0 %
___ 17	W	Exterior	Conc. Blk - Int Ins	AC 1 Main House	4.1	17.0 0	10.0 0	170.0	0.141	0.4	0	0.30	0.0 %
___ 18	W	Exterior	Frame - Wood	AC 1 Main House	11.0	10.0 0	4.0 0	40.0	0.088	0.4	0.23	0.30	0.0 %
___ 19	E	Exterior	Frame - Wood	AC 1 Main House	11.0	20.0 0	4.0 0	80.0	0.088	0.4	0.23	0.30	0.0 %
___ 20	S	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	19.0 0	10.0 0	190.0	0.141	0.4	0	0.30	0.0 %
___ 21	W	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	16.0 0	10.0 0	160.0	0.141	0.4	0	0.30	0.0 %
___ 22	W	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	7.0 0	10.0 0	70.0	0.141	0.4	0	0.30	0.0 %
___ 23	N	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	21.0 0	10.0 0	210.0	0.141	0.4	0	0.30	0.0 %
___ 24	N	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	18.0 0	10.0 0	180.0	0.141	0.4	0	0.30	0.0 %
___ 25	E	Exterior	Frame - Wood	AC 2 Master Suite	11.0	7.0 0	4.0 0	28.0	0.088	0.4	0.23	0.30	0.0 %
___ 26	N	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	13.5 0	10.0 0	135.0	0.141	0.4	0	0.30	0.0 %
___ 27	NE	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	3.0 0	10.0 0	30.0	0.141	0.4	0	0.30	0.0 %
___ 28	E	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	9.0 0	10.0 0	90.0	0.141	0.4	0	0.30	0.0 %
___ 29	SE	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	3.0 0	10.0 0	30.0	0.141	0.4	0	0.30	0.0 %
___ 30	E	Exterior	Conc. Blk - Int Ins	AC 2 Master Suite	4.1	8.0 0	10.0 0	80.0	0.141	0.4	0	0.30	0.0 %
___ 31	E	Exterior	Frame - Wood	AC 3 Bonus Room	11.0	19.0 0	8.0 0	152.0	0.088	0.4	0.23	0.30	0.0 %
___ 32	S	Exterior	Frame - Wood	AC 3 Bonus Room	11.0	30.0 0	8.0 0	240.0	0.088	0.4	0.23	0.30	0.0 %
___ 33	W	Exterior	Frame - Wood	AC 3 Bonus Room	11.0	10.0 0	8.0 0	80.0	0.088	0.4	0.23	0.30	0.0 %
___ 34	W	Garage	Frame - Wood	AC 3 Bonus Room	11.0	10.0 0	8.0 0	80.0	0.088	0.4	0.23	0.30	0.0 %
___ 35	N	Exterior	Frame - Wood	AC 3 Bonus Room	11.0	30.0 0	8.0 0	240.0	0.088	0.4	0.23	0.30	0.0 %
___ 36	E	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	14.0 0	10.0 0	140.0	0.141	0.4	0	0.30	0.0 %
___ 37	N	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	14.0 0	10.0 0	140.0	0.141	0.4	0	0.30	0.0 %
___ 38	E	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	14.0 0	10.0 0	140.0	0.141	0.4	0	0.30	0.0 %
___ 39	S	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	8.0 0	10.0 0	80.0	0.141	0.4	0	0.30	0.0 %
___ 40	S	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	7.0 0	10.0 0	70.0	0.141	0.4	0	0.30	0.0 %
___ 41	W	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	6.0 0	10.0 0	60.0	0.141	0.4	0	0.30	0.0 %
___ 42	S	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	20.0 0	10.0 0	200.0	0.141	0.4	0	0.30	0.0 %

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## WALLS(Continued)

___ 43 N	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	20.0	0	10.0	0	200.0	0.141	0.4	0	0.30	0.0 %
___ 44 E	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	5.5	0	10.0	0	55.0	0.141	0.4	0	0.30	0.0 %
___ 45 S	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	14.0	0	10.0	0	140.0	0.141	0.4	0	0.30	0.0 %
___ 46 W	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	13.0	0	10.0	0	130.0	0.141	0.4	0	0.30	0.0 %
___ 47 W	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	14.0	0	10.0	0	140.0	0.141	0.4	0	0.30	0.0 %
___ 48 N	Exterior	Conc. Blk - Int Ins	AC 4 InLaw Suite	4.1	14.0	0	10.0	0	140.0	0.141	0.4	0	0.30	0.0 %

## DOORS

(Total Exposed Area = 161 sq.ft.)

✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft In		Height Ft In		Area
___ 1	E	Exterior	Insulated	AC 1 Main House	None	0.40	6.00	0	8.00	0	48.0ft²
___ 2	E	Exterior	Insulated	AC 1 Main House	None	0.40	2.67	0	8.00	0	21.4ft²
___ 3	E	Garage	Insulated	AC 1 Main House	None	0.40	3.00	0	8.00	0	24.0ft²
___ 4	N	Exterior	Insulated	AC 1 Main House	None	0.40	2.50	0	8.00	0	20.0ft²
___ 5	S	Exterior	Insulated	AC 4 InLaw Suite	None	0.40	3.00	0	8.00	0	24.0ft²
___ 6	S	Exterior	Insulated	AC 4 InLaw Suite	None	0.40	3.00	0	8.00	0	24.0ft²

## WINDOWS

(Total Exposed Area = 753 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	E	1	Metal	Low-E Double	Y 1.01	0.32	Y	N	36.0	2	3.00	6.00	8.0	1.5	None	None
___ 2	S	7	Metal	Low-E Double	Y 1.06	0.28	Y	N	36.0	2	3.00	6.00	1.5	1.5	None	None
___ 3	S	8	Metal	Low-E Double	Y 1.06	0.28	Y	N	10.5	1	3.00	3.50	1.5	1.5	None	None
___ 4	S	9	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	1.5	1.5	None	None
___ 5	S	11	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	1.5	1.5	None	None
___ 6	W	12	Metal	Low-E Double	Y 1.01	0.32	Y	N	8.0	1	2.00	4.00	1.5	1.5	None	None
___ 7	W	14	Metal	Low-E Double	Y 1.06	0.28	Y	N	24.0	2	3.00	4.00	13.0	1.5	None	None
___ 8	N	15	Metal	Low-E Double	Y 1.02	0.30	Y	N	48.0	1	6.00	8.00	17.0	1.5	None	None
___ 9	W	17	Metal	Low-E Double	Y 1.02	0.30	Y	N	96.0	1	12.00	8.00	17.0	1.5	None	None
___ 10	W	18	Metal	Low-E Double	Y 1.01	0.32	Y	N	18.8	3	2.50	2.50	1.5	1.5	None	None
___ 11	E	19	Metal	Low-E Double	Y 1.01	0.32	Y	N	8.0	1	2.00	4.00	1.5	1.5	None	None
___ 12	S	20	Metal	Low-E Double	Y 1.04	0.48	Y	N	24.0	1	3.00	8.00	33.0	1.5	None	None
___ 13	W	21	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	1.5	1.5	None	None
___ 14	N	24	Metal	Low-E Double	Y 1.06	0.28	Y	N	18.0	2	3.00	3.00	1.5	3.0	None	None
___ 15	N	24	Metal	Low-E Double	Y 1.01	0.32	Y	N	14.6	1	11.00	1.33	1.5	1.0	None	None
___ 16	E	25	Metal	Low-E Double	Y 1.01	0.32	Y	N	12.0	2	2.00	3.00	1.5	1.0	None	None
___ 17	N	26	Metal	Low-E Double	Y 1.01	0.32	Y	N	10.0	1	5.00	2.00	1.5	1.5	None	None
___ 18	NE	27	Metal	Low-E Double	Y 1.08	0.36	Y	N	9.0	1	1.50	6.00	5.0	1.5	None	None
___ 19	E	28	Metal	Low-E Double	Y 1.04	0.29	Y	N	18.0	1	3.00	6.00	4.0	1.5	None	None
___ 20	SE	29	Metal	Low-E Double	Y 1.08	0.36	Y	N	9.0	1	1.50	6.00	5.0	1.5	None	None
___ 21	E	30	Metal	Low-E Double	Y 1.01	0.32	Y	N	8.0	1	2.00	4.00	6.0	1.5	None	None
___ 22	E	31	Metal	Low-E Double	Y 1.04	0.29	Y	N	15.5	1	3.00	5.16	1.5	1.5	None	None
___ 23	N	35	Metal	Low-E Double	Y 1.04	0.29	Y	N	31.0	2	3.00	5.16	1.5	1.5	None	None
___ 24	E	36	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	1.5	1.5	None	None
___ 25	N	37	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	9.0	1.5	None	None
___ 26	E	38	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	1.5	1.5	None	None
___ 27	S	40	Metal	Low-E Double	Y 1.06	0.28	Y	N	10.5	1	3.00	3.50	22.0	1.5	None	None
___ 28	S	42	Metal	Low-E Double	Y 1.06	0.28	Y	N	14.0	1	4.00	3.50	9.0	1.5	None	None
___ 29	N	43	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	9.0	1.5	None	None
___ 30	N	43	Metal	Low-E Double	Y 1.02	0.30	Y	N	48.0	1	6.00	8.00	9.0	1.5	None	None
___ 31	E	44	Metal	Low-E Double	Y 1.06	0.28	Y	N	10.5	1	3.00	3.50	1.5	1.5	None	None
___ 32	W	47	Metal	Low-E Double	Y 1.06	0.28	Y	N	27.0	1	6.00	4.50	9.0	1.5	None	None

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INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00035	4647	254.93	478.60	0.1627	5.9	All	47254 cu ft

  

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation
___ 1	929 ft²	20.0 ft²	46.5 ft²	929 ft²	98 ft	485 ft	10 ft	1

  

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	AC 1 Main House
___ 2	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	AC 2 Master Suite Study
___ 3	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	AC 3 Bonus Room
___ 4	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	AC 4 InLaw Suite

  

HEATING SYSTEM										
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---			Ducts	Block
						Entry	Power	Volt	Current	
___ 1	Electric Heat Pump	Split/Single		HSPF2: 8.10	48.5	0.00	0.00	0.00	sys#1	1
___ 2	Electric Heat Pump	Split/Single		HSPF2: 8.10	24.8	0.00	0.00	0.00	sys#2	2
___ 3	Electric Heat Pump	Split/Single		HSPF2: 10.40	12.0	0.00	0.00	0.00	sys#0	3
___ 4	Electric Heat Pump	Split/Single		HSPF2: 8.10	37.6	0.00	0.00	0.00	sys#3	4

  

COOLING SYSTEM									
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	Split/Single		SEER2:17.0	47.5	1425	0.75	sys#1	1
___ 2	Central Unit	Split/Single		SEER2:17.5	23.2	696	0.75	sys#2	2
___ 3	Central Unit	Split/Single		SEER2:21.2	12.0	360	0.75	Ductless	3
___ 4	Central Unit	Split/Single		SEER2:15.2	34.6	1038	0.75	sys#3	4

  

HOT WATER SYSTEM											
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length
___ 1	Natural Gas	Tankless	Exterior	0.86 (0.86)	1.0 gal	60 gal	120 deg	Standard	Yes	=>R-3	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

# INPUT SUMMARY CHECKLIST REPORT

DUCTS														
✓ Duct #	-----Supply-----			-----Return-----			Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	HVAC #		
	Location	R-Value	Area	Location	R-Value	Area						Heat	Cool	
___ 1 Attic		6.0	350 ft²	Attic	6.0	25 ft²	Default Leakage	Attic	(Default)	(Default)			1	1
___ 2 Attic		6.0	175 ft²	Attic	6.0	30 ft²	Default Leakage	AC 2 Maste	(Default)	(Default)			2	2
___ 3 Attic		6.0	175 ft²	Attic	6.0	10 ft²	Default Leakage	AC 4 InLaw	(Default)	(Default)			4	4

TEMPERATURES														
Programable Thermostat: Y							Ceiling Fans: N							
Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec		
✓ Thermostat Schedule: FloridaCode 2014	Schedule Type	Hours												
		1	2	3	4	5	6	7	8	9	10	11	12	
___ Cooling (WD)	AM PM	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75
___ Cooling (WEH)	AM PM	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75	75 75
___ Heating (WD)	AM PM	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72
___ Heating (WEH)	AM PM	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72	72 72



2023 - AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA-TABLE 402.4.1.1<sup>a</sup>

Project Name: Powell Residence		Builder Name: JM Properties of WPB	
Street: 20345 NW 248th Drive		Permit Office: Lake City	
City, State, Zip: High Springs, FL, 32643		Permit Number:	
Owner: Derek & Joanna Powell		Jurisdiction: 211000	
Design Location: FL, Gainesville		County: Columbia(Florida Climate Zone 2)	
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA	CHECK
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.	
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.	
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.	
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.		
Rim joists	Rim joists shall include the air barrier.	Rim joists shall be insulated.	
Floors (including above-garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.	
Crawl space walls	Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	Where provided instead of floor insulation, insulation shall be permanently attached to the crawlspace walls.	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.		
Narrow cavities		Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.		
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be sealed to the finished surface.	Recessed light fixtures installed in the building thermal envelope shall be air tight and IC rated.	
Plumbing and wiring		Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	
Shower/tub on exterior wall	The air barrier installed at exterior walls adjacent to showers and tubs shall separate them from the showers and tubs.	Exterior walls adjacent to showers and tubs shall be insulated.	
Electrical, communication, and other equipment boxes, housings, and enclosures	Boxes, housings, and enclosures that penetrate the air barrier shall be caulked, taped, gasketed, or otherwise sealed to the air barrier element being penetrated. All concealed openings into the box, housing, or enclosure shall be sealed. The continuity of the air barrier shall be maintained around boxes, housings, and enclosures that penetrate the air barrier. Alternatively, air-sealed boxes shall be installed in accordance with R402.4.6	Boxes, housings, and enclosures shall be buried in or surrounded by tightly fitted insulation.	
HVAC register boots	HVAC supply and return register boots that penetrate building thermal envelope shall be sealed to the sub-floor, wall covering or ceiling penetrated by the boot.		
Concealed sprinklers	When required to be sealed, concealed fire sprinklers shall only be sealed in a manner that is recommended by the manufacturer. Caulking or other adhesive sealants shall not be used to fill voids voids between fire sprinkler cover plates and walls or ceilings.		

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC-400.

# Envelope Leakage Test Report (Blower Door Test)

## Residential Prescriptive, Performance or ERI Method Compliance

### 2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction: 211000	Permit #:
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#### Job Information

Builder: JM Properties of WPB	Community:	Lot: NA
Address: 20345 NW 248th Drive		
City: High Springs	State: FL	Zip: 32643

#### Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

**PRESCRIPTIVE METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

**PERFORMANCE or ERI METHOD**-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2023 (Performance) or R406-2023 (ERI), section labeled as infiltration, sub-section ACH50.  
 ACH(50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI): 5.900

$\frac{\text{CFM}(50) \times 60}{\text{Building Volume}} = \text{ACH}(50)$ <div style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> <b>PASS</b> </div> <p><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p>	<p><u>Method for calculating building volume:</u></p> <p><input type="radio"/> Retrieved from architectural plans</p> <p><input checked="" type="radio"/> Code software calculated</p> <p><input type="radio"/> Field measured and calculated</p>
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**R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.1 of this code and Section M1507.3 if the *Florida Building Code, Residential*. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statutes*, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.
7. If an attic is both sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting the infiltration volume and calculating the air leakage of the home.

#### Testing Company

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_

I hereby verify that the above Air Leakage results are in accordance with the 2023 8th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: \_\_\_\_\_ Date of Test: \_\_\_\_\_

Printed Name of Tester: \_\_\_\_\_

License/Certification #: \_\_\_\_\_ Issuing Authority: \_\_\_\_\_