

INPUT SUMMARY CHECKLIST REPORT

PROJECT														
Title	David Simque Res	Bedrooms	4	Address type	Lot									
Building Type	User	Conditioned Area	3355	Lot #	3									
Owner	David & Julie Simque	Total Stories	1	Block/SubDivision	West Paces S/D									
Builder Home ID		Worst Case	No	PlatBook										
Builder Name		Rotate Angle	0	Street										
Permit Office	Columbia County	Cross Ventilation	Yes	County	Columbia									
Jurisdiction		Whole House Fan	No	City, State, Zip	Lake City, FL, 32025									
Family Type	Detached	Terrain	Suburban											
New/Existing	New (From Plans)	Shielding	Suburban											
Year Construct	2025													
Comment														
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					
___	FL, Gainesville	FL_GAINESVILLE_REGIONA	32	92	70	75	1305 5	51	Medium					
BLOCKS														
<input checked="" type="checkbox"/>	Number	Name	Area	Volume										
___	1	Block1	3355	33550 cu ft										
SPACES														
<input checked="" type="checkbox"/>	Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated				
___	1	1st Floor	3355	33550	Yes	8	4	Yes	Yes	Yes				
FLOORS (Total Exposed Area = 3355 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			
___	1	Slab-On-Grade Edge Ins	1st Floor	478 667	3355 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 Tested	Deck Insul	Pitch (deg)	
___	1	Gable or shed	Composition shingles	4368 ft²	782 ft²	0 11	Medium	Y	0 96	No	0 9	No	0	39 81
ATTIC														
<input checked="" type="checkbox"/>	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC							
___	1	Partial cathedral ceiling	Vented	300	3355 ft²	Y	N							
CEILING (Total Exposed Area = 3691 sq.ft.)														
<input checked="" type="checkbox"/>	#	Ceiling Type	Space	R-Value	Ins Type	Area	U-Factor	Framing Frac	Truss Type					
___	1	Flat ceiling under attic(Vented)	1st Floor	38 0	Double Batt	3690 5ft²	0 024	0 11	Wood					

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WALLS														(Total Exposed Area = 3553 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	S	Exterior	Frame - Wood	1st Floor	13 0	21 0	4	10 0	0	213 3	0 084		0 23	0 75	0 %
___ 2	E	Exterior	Frame - Wood	1st Floor	13 0	14 0	4	10 0	0	143 3	0 084		0 23	0 75	0 %
___ 3	S	Exterior	Frame - Wood	1st Floor	13 0	40 0	0	10 0	0	400 0	0 084		0 23	0 75	0 %
___ 4	E	Garage	Frame - Wood	1st Floor	13 0	20 0	2	10 0	0	201 7	0 084		0 23	0 75	0 %
___ 5	S	Garage	Frame - Wood	1st Floor	13 0	28 0	0	10 0	0	280 0	0 084		0 23	0 75	0 %
___ 6	E	Exterior	Frame - Wood	1st Floor	13 0	34 0	2	10 0	0	341 7	0 084		0 23	0 75	0 %
___ 7	N	Exterior	Frame - Wood	1st Floor	13 0	30 0	0	10 0	0	300 0	0 084		0 23	0 75	0 %
___ 8	W	Exterior	Frame - Wood	1st Floor	13 0	24 0	4	10 0	0	243 3	0 084		0 23	0 75	0 %
___ 9	N	Exterior	Frame - Wood	1st Floor	13 0	43 0	0	10 0	0	430 0	0 084		0 23	0 75	0 %
___ 10	E	Exterior	Frame - Wood	1st Floor	13 0	21 0	0	10 0	0	210 0	0 084		0 23	0 75	0 %
___ 11	N	Exterior	Frame - Wood	1st Floor	13 0	18 0	4	10 0	0	183 3	0 084		0 23	0 75	0 %
___ 12	W	Exterior	Frame - Wood	1st Floor	13 0	60 0	8	10 0	0	606 7	0 084		0 23	0 75	0 %

DOORS												(Total Exposed Area = 24 sq.ft.)	
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area		
___ 1	S	Garage	Insulated	1st Floor	None	0 46	3 00	0	8 00	0	24 0ft²		

WINDOWS																(Total Exposed Area = 550 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	S	1	Vinyl	Low-E Double	Y 0 36	0 25	N	N	8 0	2	2 00	2 00	1 5	1 0	None	None	
___ 2	S	1	Vinyl	Low-E Double	Y 0 36	0 25	N	N	18 0	1	3 00	6 00	1 5	1 0	None	None	
___ 3	S	3	Vinyl	Low-E Double	Y 0 36	0 25	N	N	72 0	4	3 00	6 00	9 5	1 0	None	None	
___ 4	S	3	TIM	Low-E Double	Y 0 36	0 25	N	N	48 0	2	3 00	8 00	9 5	1 0	None	None	
___ 5	E	6	Vinyl	Low-E Double	Y 0 36	0 25	N	N	8 0	2	4 00	1 00	1 5	1 0	None	None	
___ 6	E	6	Vinyl	Low-E Double	Y 0 36	0 25	N	N	6 0	3	2 00	1 00	1 5	1 0	None	None	
___ 7	N	7	Vinyl	Low-E Double	Y 0 36	0 25	N	N	36 0	3	2 00	6 00	1 5	1 0	None	None	
___ 8	W	8	Vinyl	Low-E Double	Y 0 36	0 25	N	N	36 0	2	3 00	6 00	2 5	1 0	None	None	
___ 9	W	8	TIM	Low-E Double	Y 0 36	0 25	N	N	24 0	1	3 00	8 00	2 5	1 0	None	None	
___ 10	N	9	Vinyl	Low-E Double	Y 0 36	0 25	N	N	24 0	3	2 00	4 00	9 5	1 0	None	None	
___ 11	N	9	Metal	Low-E Double	Y 0 36	0 25	N	N	160 0	1	20 00	8 00	9 5	1 0	None	None	
___ 12	E	10	TIM	Low-E Double	Y 0 36	0 25	N	N	24 0	1	3 00	8 00	5 5	1 0	None	None	
___ 13	N	11	Vinyl	Low-E Double	Y 0 36	0 25	N	N	24 0	2	2 00	6 00	1 5	1 0	None	None	
___ 14	N	11	Vinyl	Low-E Double	Y 0 36	0 25	N	N	24 0	1	4 00	6 00	1 5	1 0	None	None	
___ 15	W	12	Vinyl	Low-E Double	Y 0 36	0 25	N	N	8 0	2	2 00	2 00	1 5	1 0	None	None	
___ 16	W	12	Vinyl	Low-E Double	Y 0 36	0 25	N	N	18 0	1	3 00	6 00	1 5	1 0	None	None	
___ 17	W	12	Vinyl	Low-E Double	Y 0 36	0 25	N	N	12 0	1	2 00	6 00	1 5	1 0	None	None	

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0 00044	3914	214 74	403 16	0 1500	7 0	All	33550 cu ft

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond	Avg Wall Height	Exposed Wall Insulation
___ 1	896 ft²	32 0 ft²	28 0 ft²	896 ft²	75 ft	896 ft	10 ft	1

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MASS													
<input checked="" type="checkbox"/> #	Mass Type	Area	Thickness	Furniture Fraction	Space								
___ 1	Default(8 lbs/sq ft)	0 ft²	0 ft	0 30	1st Floor								
HEATING SYSTEM													
<input checked="" type="checkbox"/> #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump---			Ducts	Block			
___ 1	Electric Heat Pump	None/Single	HSPF2 8 80	61 2	0 00	0 00	0 00	sys#1	1				
COOLING SYSTEM													
<input checked="" type="checkbox"/> #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block				
___ 1	Central Unit	None/Single	SEER2 15 5	43 5	1290	0 70	sys#1	1					
HOT WATER SYSTEM													
<input checked="" type="checkbox"/> #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt Flow	Trap	Pipe Ins	Pipe length		
___ 1	Electric	None	Garage	0 92 (0 92)	50 0 gal	40 gal	120 deg	Standard	Yes	None	12		
	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													
<input checked="" type="checkbox"/> #	Duct Location	-----Supply----- R-Value Area	-----Return----- Location R-Value Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT SEALED	AHU RLF	HVAC # Heat Cool				
___ 1	Attic	6 0 839 ft²	Attic 6 0 168 ft²	Default Leakage	Garage	(Default)	(Default)		1 1				
TEMPERATURES													
Programable Thermostat Y													
Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec	
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec	
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec	
Ceiling Fans N													
<input checked="" type="checkbox"/> Thermostat Schedule	HERS 2006 Reference	Hours											
Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12	
___ Cooling (WD)	AM 78 PM 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM 78 PM 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
___ Heating (WD)	AM 66 PM 68	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66
___ Heating (WEH)	AM 66 PM 68	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68 66

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction:	Permit #:
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Job Information

Builder:	Community:	Lot: 3
Address:		
City: Lake City	State: FL	Zip: 32025

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): 7 000

$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{33550}{\text{ACH}(50)} = \text{ACH}(50)$ <div style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> PASS </div> <p><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p>	<p>Method for calculating building volume:</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~~ *code official*. Testing shall be performed at any time after creation of all penetrations of the ~~building~~ *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: _____