

Project Name: Udelhofen_Dominguez		Builder Name:	
Street: SW Otter Lane		Permit Office: Columbia County	
City, State, Zip: Ft. White, FL, 32038		Permit Number:	
Owner: Udelhofen_Dominguez		Jurisdiction:	
Design Location: FL, Ocala		County: Columbia(Florida Climate Zone 2)	

1. New construction or existing	New (From Plans)	10. Wall Types(1500.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=19.0	1302.00 ft <sup>2</sup>
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=19.0	198.00 ft <sup>2</sup>
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 <sup>2</sup> )	1549	11. Ceiling Types(1626.4 sqft.)	Insulation	Area
Conditioned floor area below grade (ft <sup>2</sup> )	0	a. Flat ceiling under att (Vented)	R=38.0	1626.40 ft <sup>2</sup>
7. Windows(192.0 sqft.)	Description	b. N/A		
a. U-Factor:	Dbl, U=0.36	c. N/A		
SHGC:	SHGC=0.25	12. Roof(Metal, Vented)	Deck R=0.0	1732 ft <sup>2</sup>
b. U-Factor:	N/A	13. Ducts, location & insulation level	R	ft <sup>2</sup>
SHGC:		a. Sup: Attic, Ret: Attic, AH: Main	6	387
c. U-Factor:	N/A	b.		
SHGC:		c.		
Area Weighted Average Overhang Depth:	7.594 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.250	a. Central Unit	17.9	SEER2:15.00
8. Skylights	Description	Area		
U-Factor:(AVG)	N/A	15. Heating Systems	kBtu/hr	Efficiency
SHGC(AVG):	N/A	a. Electric Heat Pump	27.0	HSPF2:8.80
9. Floor Types	Insulation	Area		
a. Slab-On-Grade Edge Insulation	R= 0.0	1549.00 ft <sup>2</sup>		
b. N/A	R=	ft <sup>2</sup>		
c. N/A	R=	ft <sup>2</sup>		
		16. Hot Water Systems		
		a. PropaneTankless	Cap: 1 gallons	
			EF: 0.590	
		b. Conservation features		
			None	
		17. Credits	CV, Pstat	

# PASS

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: WILL C. TOY  
DATE: 4 / 7 / 2025

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: \_\_\_\_\_  
DATE: \_\_\_\_\_

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



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 7.00 ACH50 (R402.4.1.2).

## INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Udelhofen_Dominguez			Bedrooms:	3		Address type:	Street Address					
Building Type:	User			Conditioned Area:	1549		Lot #:	---					
Owner:	Udelhofen_Dominguez			Total Stories:	1		Block/SubDivision:	---					
Builder Home ID:				Worst Case:	No		PlatBook:	---					
Builder Name:				Rotate Angle:	0		Street:	SW Otter Lane					
Permit Office:	Columbia County			Cross Ventilation:	Yes		County:	Columbia					
Jurisdiction:				Whole House Fan:	No		City, State, Zip:	Ft. White, FL, 32038					
Family Type:	Detached			Terrain:	Suburban								
New/Existing:	New (From Plans)			Shielding:	Suburban								
Year Construct:	2025												
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, Ocala	FL_OCALA_MUNI_(AWOS)			28	91		70	75		1144.5	51	Medium	
BLOCKS													
✓ Number	Name	Area	Volume										
___ 1	Block1	1549	13941 cu ft										
SPACES													
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated				
___ 1	Main	1549	13941	Yes	6	3	Yes	Yes	Yes				
FLOORS (Total Exposed Area = 1549 sq.ft.)													
✓ #	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	Main	166.8	1549 sqft	0.0	---	0.304	2 (ft)/0 (ft)	0.00	0.00	1.00		
ROOF													
✓ #	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Hip	Metal	1732 ft²	0 ft²	0.11	Medium	Y	0.96	No	0.9	No	0	26.57
ATTIC													
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC							
___ 1	Full attic	Vented	300	1549 ft²	Y	N							
CEILING (Total Exposed Area = 1626 sq.ft.)													
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type					
___ 1	Flat ceiling under attic(Vented)	Main	38.0	Double Batt	1626.4ft²	0.024	0.11	Wood					

## INPUT SUMMARY CHECKLIST REPORT

WALLS (Total Exposed Area = 1500 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	Main	19.0	55.0	4	9.0	0	498.0	0.061		0.23	0.75	0 %	
___ 2	E	Exterior	Frame - Wood	Main	19.0	28.0	0	9.0	0	252.0	0.061		0.23	0.75	0 %	
___ 3	N	Exterior	Frame - Wood	Main	19.0	55.0	4	9.0	0	498.0	0.061		0.23	0.75	0 %	
___ 4	W	Exterior	Frame - Wood	Main	19.0	6.0	0	9.0	0	54.0	0.061		0.23	0.75	0 %	
___ 5	W	Garage	Frame - Wood	Main	19.0	22.0	0	9.0	0	198.0	0.061		0.23	0.75	0 %	

  

DOORS (Total Exposed Area = 40 sq.ft.)												
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area	
___ 1	S	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²	
___ 2	W	Garage	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²	

  

WINDOWS (Total Exposed Area = 192 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	105.0	7	3.00	5.00	1.5	1.0	None	None
___ 2	E	2	Vinyl	Low-E Double	Y	0.36	0.25	N	N	15.0	1	3.00	5.00	7.5	1.0	None	None
___ 3	N	3	Vinyl	Low-E Double	Y	0.36	0.25	N	N	12.0	1	4.00	3.00	16.5	1.0	None	None
___ 4	N	3	Metal	Low-E Double	Y	0.36	0.25	N	N	40.0	1	6.00	6.67	16.5	1.0	None	None
___ 5	N	3	TIM	Low-E Double	Y	0.36	0.25	N	N	20.0	1	3.00	6.67	16.5	1.0	None	None

  

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00040	1626	89.23	167.52	0.1211	7.0	All	13941 cu ft

  

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation
___ 1	572 ft²	22.0 ft²	26.0 ft²	572 ft²	74 ft	572 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 Entry	HeatPump Power	----HeatPump Volt	Ducts Block
___ 1	Electric Heat Pump	None/Single		HSPF2: 8.80	27.0		0.00	0.00	0.00 sys#1

INPUT SUMMARY CHECKLIST REPORT

COOLING SYSTEM													
✓	#	System Type	Subtype/Speed		AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block		
___	1	Central Unit	None/Single			SEER2:15.0	17.9	540	0.75	sys#1	1		
HOT WATER SYSTEM													
✓	#	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length	
___	1	Propane	Tankless	Exterior	0.59 (0.59)	1.0 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													
✓	Duct #	Location	Supply R-Value	Area	Return R-Value	Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat Cool
___	1	Attic	6.0	387 ft²	Attic	6.0	77 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	Hours 7	8	9	10	11	12
___	Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78
___	Cooling (WEH)	AM PM	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 PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 66	68 66
___	Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 66	68 66

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 89

The lower the EnergyPerformance Index, the more efficient the home.

SW Otter Lane,Ft. White,FL,32038

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U-Factor:(AVG)	N/A	a. Electric Heat Pump	27.0	HSPF2:8.80
SHGC(AVG):	N/A			
9. Floor Types	Insulation	16. Hot Water Systems		
a. Slab-On-Grade Edge Insulation	R= 0.0	a. PropaneTankless	Cap: 1 gallons	
b. N/A	R=		EF: 0.590	
c. N/A	R=	b. Conservation features		
				None
		17. Credits		CV, Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: SW Otter Lane

City/FL Zip: Ft. White,FL,32038



\*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida Energy Rating. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

\*\*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

**Envelope Leakage Test Report (Blower Door Test)**  
**Residential Prescriptive, Performance or ERI Method Compliance**  
**2023 Florida Building Code, Energy Conservation, 8th Edition**

Jurisdiction:	Permit #:		
<b>Job Information</b>			
Builder:	Community:	Lot:	NA
Address: SW Otter Lane			
City: Ft. White	State: FL	Zip: 32038	
<b>Air Leakage Test Results</b> <i>Passing results must meet either the Performance, Prescriptive, or ERI Method</i>			
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"><input type="radio"/> <b>PRESCRIPTIVE METHOD</b>-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.</div> <div style="border: 1px solid black; padding: 5px;"><input checked="" type="radio"/> <b>PERFORMANCE or ERI METHOD</b>-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. <div style="text-align: right; margin-top: 5px;">ACH(50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI): <span style="border: 1px solid black; padding: 2px 10px;">7.000</span></div></div>			
<div style="display: flex; justify-content: space-between; align-items: flex-start;"><div style="width: 60%;"><math display="block">\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{13941}{\text{ACH}(50)} =</math><div style="border: 1px solid black; width: 40px; height: 40px; margin: 10px auto; display: flex; align-items: center; justify-content: center; font-weight: bold; font-size: 1.2em;">PASS</div><div style="margin-top: 10px;"><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</div></div><div style="width: 35%;"><p>Method for calculating building volume:</p><div style="margin-top: 5px;"><input type="radio"/> Retrieved from architectural plans</div><div style="margin-top: 5px;"><input checked="" type="radio"/> Code software calculated</div><div style="margin-top: 5px;"><input type="radio"/> Field measured and calculated</div></div></div>			
<p><b>R402.4.1.2 Testing.</b> 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 <i>Florida Building Code, Residential</i>. 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), <i>Florida Statutes</i>, 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 <del>trade official</del> <i>code official</i>. Testing shall be performed at any time after creation of all penetrations of the <del>building</del> <i>building thermal envelope</i>.</p> <p>During testing:</p> <ol style="list-style-type: none"><li>1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.</li><li>2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.</li><li>3. Interior doors, if installed at the time of the test, shall be open.</li><li>4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.</li><li>5. Heating and cooling systems, if installed at the time of the test, shall be turned off.</li><li>6. Supply and return registers, if installed at the time of the test, shall be fully open.</li><li>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.</li></ol>			
<b>Testing Company</b>			
<div style="display: flex; justify-content: space-between;"><div>Company Name: _____</div><div>Phone: _____</div></div> <p>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.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>Signature of Tester: _____</div><div>Date of Test: _____</div></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>Printed Name of Tester: _____</div><div></div></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"><div>License/Certification #: _____</div><div>Issuing Authority: _____</div></div>			