### FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Yasmanis Residence Street: 162 NW CREWS GLEN City, State, Zip: LAKE CITY, FL, 32055 Owner: Yasmanis Reyes Design Location: FL, Gainesville	Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia (Florida Climate	eZone 2)
1. New construction or existing 2. Single family or multiple family 3. Number of units, if multiple family 4. Number of Bedrooms 5. Is this a worst case? 6. Conditioned floor area above grade (ft²) 7. Windows (166.0 sqft.) Description a. U-Factor: Dbl, U=0.36 166.00 ft² SHGC: SHGC=0.25 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) N/A ft² SHGC(AVG): N/A 9. Floor Types (1810.0 sqft.) Insulation Area a slab-On-Grade Edge Insulation R=0.0 1810.00 ft² R= ft² R= ft² R= ft²	10. Wall Types(1450.7 sqft.) a. Concrete Block - Int Insul, Exterior b. N/A c. N/A d. N/A 11. Ceiling Types (1900.5 sqft.) a. Under Attic (Vented) b. N/A c. N/A 12. Ducts a. Sup: Attic, Ret: Attic, AH: Main  13. Cooling systems a. Central Unit  14. Heating systems a. Electric Heat Pump  15. Hot water systems a. Propane b. Conservationfeatures None 16. Credits	Insulation Area R=5.0 1450.70 ft² R= ft² R= ft² R= ft² Insulation Area R=38.0 1900.50 ft² R= ft² R= ft² R= ft² A ft² C A 452.5  kBtu/hr Efficiency 20.0 SEER:14.00  kBtu/hr Efficiency 26.9 HSPF:8.20  Cap: 50 gallons EF: 0.590  CV, Pstat
Glass/Floor Area: 0.092 Total Proposed Modified Total Baseline		PASS
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.  PREPARED BY: 4 / 14 / 2022  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 CUILDING certified factory-sealed in accordance with R403.3.2.1.

- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires an envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

					PROJ	IECT							
Title: Building Owner N # of Unit Builder N Permit O Jurisdict Family T New/Exis Commen	Name: ts: Name: Office: tion: Type: isting:	Yasmanis Reside User Yasmanis Reyes 1 Columbia County Detached New (From Plans		Bedrooms Condition Total Stor Worst Ca Rotate An Cross Ver Whole Ho	ed Area: ies: se: gle: ntilation:	4 1810 1 No 0 Yes No		Lot a Bloc Plat Stre Cou	ck/Subdivi Book: et:	ision: 16 Co	62 NW CF olumbia AKE CITY	REWS (	GLEN
					CLIM	ATE							
$\checkmark$		n Location ainesville	TMY Site	REGI		Design Temp 17.5 % 2.5 % 32 92		Design Ten	mer Deg	Heating gree Days 1305.5	Desig Moistu	re R	y Temp ange ledium
	, 0				BLO			- 75		1000.0	51	IV.	ediuiii
Numbe	or	Name	Aron	Volumo	BLOC								
1	ei	Block1	Area 1810	Volume 14480	)								
					SPA	CES	SILL ST						
Numbe	er	Name	Area	Volume	Kitchen	Occupants	Bedro	oome	Infil ID	Finished	Cod	olod	Heate
1	7715	ain	1810	14480	Yes	8	4		1	Yes	Yes		Yes
				Total Automotive Control	FLOC	ORS							
V	# FI	loor Type	Space	Per	imeter	R-Value	Area			-	Tile W	ood Ca	arpet
		On-Grade Edge Ins		ain 18	1 ft	0	1810 f	2				0	1
					ROO	OF .							
$\checkmark$	# Ty	/pe	Materials	Roof Area	Gab Are		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pito (deg
	1 H	ip (	Compositionshing	les 2024 ft	0 ft	<sup>2</sup> Mediun	n Y	0.96	No	0.9	No	0	26.5
					ATT	'IC							
/	#	Туре	Ventila	ation	Vent Ra	tio (1 in)	Area	RBS	ID	СС			
		Full attic	Vent		vent Ra		Area 1810 ft²	A KR2		N			
					CEILI	ING							
$\checkmark$	#	Ceiling Type		Space	R-Valu		уре	Area	Fran	ning Frac	Truss	Туре	
	1	Under Attic (Vente	ed)	Main	38	Double	Batt	1900.5 ft²		0.11		ood	

INPUT SUMMARY CHECKLIST REPORT

						WA	LLS							
V #	Ornt	Adja To	cent Wa	all Type	Space	Cavity R-Value	Wid Ft	th In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Belo Grade
_ 1	W	Exter	or C	oncrete Block - Int Ins	ul Main	5	14	8	8	117.3 ft <sup>2</sup>		0	0.75	9
_ 2	S	Exter	or C	oncrete Block - Int Ins	ul Main	5	4		8	32.0 ft <sup>2</sup>		0	0.75	
_ 3	W	Exter	or C	oncrete Block - Int Ins	ul Main	5	8		8	64.0 ft <sup>2</sup>		0	0.75	
_ 4	N	Exter	or C	oncrete Block - Int Ins	ul Main	5	4		8	32.0 ft <sup>2</sup>		0	0.75	
5	W	Exter	or C	oncrete Block - Int Ins	ul Main	5	14	8	8	117.3 ft <sup>2</sup>		0	0.75	
6	S	Exter	or C	oncrete Block - Int Ins	ul Main	5	49	4	8	394.7 ft <sup>2</sup>		0	0.75	
7	Ε	Exteri	or C	oncrete Block - Int Ins	ul Main	5	37	4	8	298.7 ft <sup>2</sup>		0	0.75	
_ 8	Ν	Exteri	or C	oncrete Block - Int Ins	ul Main	5	49	4	8	394.7 ft <sup>2</sup>		0	0.75	
						DO	ors							
$\sqrt{}$	#	0	nt	Door Type	Space			Storms	U-Val	ue F	Width t In	Height Ft	ln .	Area
	1	٧	,	Insulated	Main			None	.46	3		6		20 ft²
				Or	ientation sho		DOWS		Orientation					
/		Wa	I				en de la constante	and the same of the			rhang			
V	# (	Ornt ID	Fram	e Panes	NFRC	U-Factor	SHGC	Imp	Area	Depth	Separation	Int Sha	de S	Screen
	1	W 1	Viny	I Low-E Double	Yes	0.36	0.25	N	15.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None	)	None
	2	W 5	Viny	I Low-E Double	Yes	0.36	0.25	Ν	15.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None	)	None
	3	S 6	Viny	I Low-E Double	Yes	0.36	0.25	Ν	3.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None	)	None
	4	S 6	Viny	I Low-E Double	Yes	0.36	0.25	N	15.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None	•	None
	5	S 6	Viny	Low-E Double	Yes	0.36	0.25	Ν	6.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None	)	None
	6	E 7	Viny	Low-E Double	Yes	0.36	0.25	N	30.0 ft <sup>2</sup>	13 ft 6 in	0 ft 6 in	None	•	None
	7	E 7	Meta	I Low-E Double	Yes	0.36	0.25	N	40.0 ft <sup>2</sup>	13 ft 6 in	0 ft 6 in	None		None
	8	N 8	Viny	Low-E Double	Yes	0.36	0.25	Ν	30.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None		None
_	9	N 8	Viny	I Low-E Double	Yes	0.36	0.25	N	12.0 ft <sup>2</sup>	1 ft 6 in	0 ft 6 in	None		None
						INFILT	RATIO	N						
s	cope		Method		SLA (	CFM 50	ELA	F	EqLA	ACH	ACH	1.50		
SWS-1	olehouse	Pro	posed A			1206.7	66.2		24.29	.098	5			
	- ANNUAL CONTROL OF THE PARTY O					HEATING			AN ACCEPTANT	0 THE B				
	#	System	Туре	Sub	type	Speed		Efficienc	cy (	Capacity		В	lock	Ducts
Ÿ.	1	Electric			the state of the s	Single		HSPF:8	-	94 kBtu/hr			1	sys#1

INPUT SUMMARY CHECKLIST REPORT

					coo	LING SY	STEM							
$\checkmark$	# :	System Type		Subtype	Su	btype	Efficiency	Capacity	Air F	Flow S	SHR	Block	Dı	ıcts
-	1 (	Central Unit/		None	Sir	igle	SEER: 14	20.01 kBtu/l	nr 600	cfm	0.7	1	sy	s#1
					нот и	ATER S	YSTEM							
$\checkmark$	#	System Type	SubType	Location	on EF	С	ар	Use	SetPnt		Co	nservatio	n	
	1	Propane	None	Exterio	or 0.59	50	gal	40 gal	120 deg			None		
				s	OLAR HO	T WATE	R SYSTI	EM						
$\checkmark$	FSEC Cert #	Company N	ame		System	Model#	С	ollector Model		ollector Area	Stor		FEF	
	None	None								ft²				
						DUCTS								
$\checkmark$	#	Sup Location R	ply t-Value Area		Return ion Area	Leaka	ageType	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HV/ Heat	AC#
	1	Attic	6 452.5	ft² Atti	90.5 ft <sup>2</sup>	Defaul	lt Leakage	Main	(Default)	c(Default)	С		1	1
					TEM	PERATU	RES				*			
Program	ableThe	rmostat: Y			Ceiling Fan	s:							,	
Cooling Heating Venting	[X] Ja [X] Ja [ ] Ja	in [] Feb in [X] Feb in [] Feb	Mar X Mar X Mar	Apr Apr Apr	May May May May	[X] Jun   Jun   Jun	[X] Jul [ ] Jul [ ] Jul	[X] Aug   Aug   Aug	[X] Sep [ ] Sep [ ] Sep	X S	Oct Oct	Nov X Nov X Nov	[x]	Dec Dec Dec
Thermosta Schedule T		le: HERS 200	06 Reference 1		3 4	5	6	ours 7	8	9	10	11	1	2
Cooling (W	(D)	AM PM	78 80	78 7 80 7	8 78 8 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	8 7	0
Cooling (W	EH)	AM PM	78 78	78 7 78 7	8 78 8 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	7	8
Heating (W	<b>/</b> D)	AM PM	66 68	66 68	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6	8
Heating (W	EH)	AM PM	66 68	66 68 6	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	6 6	8 6
						MASS								
Ma	iss Type			Area		Thickness		Furniture Frac	ction	Spa	ace			
	fault(8 lb			Oft2		O ft		0.3		1s	t Floor			
De	fault(8 lb	s/sq.ft.		0 ft²		0 ft		0.3		2nd	d Floor			

## **ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD**

#### ESTIMATED ENERGY PERFORMANCE INDEX\* = 83

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

#### 162 NW CREWS GLEN, LAKE CITY, FL, 32055

1.	New construction or exi	sting	New (From Plans)  10. Wall Type and Insulation			Insulation	Area
2.	Single family or multiple	mily or multiple family		ed	a. Concrete Block - Int Insul, Exterior	R=5.0	1450.70 ft <sup>2</sup>
3.	Number of units, if multiple family		1		b. N/A c. N/A	R= R=	ft² ft²
4.	Number of Bedrooms		4		d. N/A	R=	ft²
5.	Is this a worst case?		No		<ol> <li>Ceiling Type and insulation level a. Under Attic (Vented)</li> </ol>	Insulation R=38.0	Area 1900.50 ft²
6.	. Conditioned floor area (ft²)		1810		b. N/A	R=	ft <sup>2</sup>
7.	Windows**	Description		Area	c. N/A	R=	ft²
0.3	a. U-Factor: SHGC:	Dbl, U=0.36 SHGC=0.25		166.00 ft²	<ol> <li>Ducts, location &amp; insulation level a. Sup: Attic, Ret: Attic, AH: Main</li> </ol>		R ft <sup>2</sup> 6 452.5
	b. U-Factor:	N/A		ft²			
	SHGC:				13. Cooling systems	kBtu/hr	Efficiency
	c. U-Factor: SHGC:	N/A		ft²	a. Central Unit	20.0	SEER:14.00
	d. U-Factor: SHGC:	N/A		ft²	14. Heating systems	kBtu/hr	Efficiency
	Area Weighted Average Overhang Depth: Area Weighted Average SHGC:			6.560 ft. 0.250	a. Electric Heat Pump	26.9	HSPF:8.20
	8. Skylights a. U-Factor(AVG): SHGC(AVG):	Description N/A N/A		Area ft²	15. Hot water systems a. Propane	Ca	ap: 50 gallons EF: 0.59
9	9. Floor Types a. Slab-On-Grade Edg b. N/A		Insulation R=0.0 R=	Area 1810.00 ft² ft²	b. Conservationfeatures     None  Credits (Performance method)		CV, Pstat
	c. N/A		R=	ft²			

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:	City/FL Zip:



\*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 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:							
Job Information								
Builder:	Community:	Lot: NA						
Address: 162 NW CREWS GLEN								
City: LAKE CITY	State: FL	Zip: 32055						
Air Leakage Test Results Pas	ssing results must meet either the Perform	nance, Prescriptive, or ERI Method						
changes per hour at a pressure of 0.2 inc  PERFORMANCE or ERI METHOD-The the selected ACH(50) value, as shown on Form	or dwelling unit shall be tested and verified as high w.g. (50 Pascals) in Climate Zones 1 and 2.  building or dwelling unit shall be tested and verified R405-2020 (Performance) or R406-2020 (ERI) orm R405-2020-Energy Calc (Performance) or R	fied as having an air leakage rate of not exceeding , section labeled as infiltration, sub-section ACH50.						
CFM(50) x 60 ÷ 14480 Building Vol  PASS  When ACH(50) is less than 3, M must be verified by building dep	Mechanical Ventilation installation	Method for calculating building volume:  Retrieved from architectural plans Code software calculated Field measured and calculated						
R402.4.1.2 Testing. 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 (7F/orida Statues.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 theode official. Testing shall be performed at any time after creation of all penetrations of the intended weatherstripping or other infiltration control measures.  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 fully open.								
Testing Company								
Company Name: I hereby verify that the above Air Leakage Energy Conservation requirements according	Phone results are in accordance with the 2020 ding to the compliance method selected a	e: 7th Edition Florida Building Code above.						
Signature of Tester:	Date	of Test:						
Printed Name of Tester:								
License/Certification #:	Issuing Autho	ority:						