#### FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Olivia Adams Street: City, State, Zip: Lake City, FL, 32024 Owner: Olivia Adams Design Location: FL, Gainesville	Builder Name: Permit Office: Columbia County Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 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? No 6. Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) 7. Windows(204.0 sqft.) 8. U-Factor: BHGC: SHGC: SHGC=0.25 b. U-Factor: N/A SHGC: C. U-Factor: N/A SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: 8. Skylights Description Area U-Factor:(AVG) N/A SHGC(AVG): N/A N/A ft² N/A ft² SHGC(AVG): N/A N/A ft²	10. Wall Types (1146.7 sqft.) Insulation Area a. Frame - Wood, Exterior R=13.0 906.67 ft² b. Frame - Wood, Adjacent R=13.0 240.00 ft² c. N/A d. N/A 11. Ceiling Types (880.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=38.0 880.00 ft² b. N/A c. N/A 12. Roof (Comp. Shingles, Vented) Deck R=0.0 961 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Garage 6 200 b. c. 14. Cooling Systems a. Central Unit  Received for kBtu/hr Efficiency a. Central Unit  Received for kBtu/hr Efficiency a. Electric Heat Pump  15. Heating Systems a. Electric Tankless  Efficiency a. Electric Tankless  None
Glass/Floor Area: 0.255 Total Proposed Modifie Total Baselin NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or e	ne Loads: 27.47
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.  PREPARED BY:  7 / 22 / 2024  I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.  OWNER/AGENT:  DATE:  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).

FORM R405-2023

## **INPUT SUMMARY CHECKLIST REPORT**

			A		PROJ	ECT							
Owi Buil Per Juri Fan Nev Yea	Iding Type: ner: Ider Home ID: Ider Name: mit Office: isdiction: nily Type:	Olivia Adams User Olivia Adams Columbia County Detached New (From Plans) 2024		Bedroom Condition Total Sto Worst Ca Rotate A Cross Ve Whole He Terrain: Shielding	ned Area: ries: ase: ngle: entilation: ouse Fan:	1 800 1 No 0 Yes No Suburban Suburban	Lot Blo Pla Stre Cou	ck/SubDivisi tBook:	Colu	City,	ntry6		_
					CLIMA	ATE							
√ De Lo	esign cation		Tmy Site		Desig 97.5%	n Temp 2.5%		gn Temp Summer	Heating Degree D		Desig Moistur		aily temp ange
F	L, Gainesville	ſ	FL_GAINESVILLE_I	REGIONA	32	92	70	75	1305.5		51	Med	ium
					BLOC	KS							
/ Nu	ımber	Name	Area	Vol	lume								
1		Block1	800	800	00 cu ft								
					SPAC	ES							
/ Nu	ımber	Name	Area	Volume	Kitchen	Occupants	Bed	rooms	Finishe	d	Cod	oled	Heated
1		1st Floor	800	8000	Yes	3		1	Yes		Υ	es	Yes
					FLOO	RS		(Total E	xpose	d Ar	ea = 8	800 sc	ı.ft.)
/#	Floor Type	)	Space	Expo: Perim	sed Ar n(ft)		Value n. Joist	U-Factor	Slab Ins Vert/Horiz		Tile	Wood	Carpet
1	Slab-On-Gra	ide Edge Ins	1st Floor	114.8	8 800	sqft 0		0.304	2 (ft)/	0 (ft)	0.00	0.00	1.00
					ROC	F				= 1 ===			
/#	Туре		Materials			Sable Roof Area Color	Rad Barr		SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Hip	С	composition shingles	s 90	61 ft²	0 ft² Mediur	n Y	0.96	No	0.9	No	0	33.69
					ATT	С							
/#	Туре		Ventilation		Vent Ra	tio (1 in)	Area	RBS	1	IRCC	a.		
1	Partial cathe	dral ceiling	Vented		30	0	800 ft²	Υ		N			
					CEILII	NG		(Total E	xpose	d Are	ea = 8	380 sq	.ft.)
/#	Ceiling Typ	ре	S	pace	R-Valu	ie Ins. Typ	e Ar	ea U-Fa	actor Fra	aming l	Frac.	Trus	s Type

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# **INPUT SUMMARY CHECKLIST REPORT**

			N.						W	ALLS	:	_		(Tot:	al Exp	haso	Δrea :	11/	7 sa :	ft \
	_	·	A -11								-				<u>-</u>				-	
<b>/</b>	# (	Ornt		acent Fo	Wall Type		Space	•		avity -Value	Width Ft I			eight In	Area sq.ft.		Sheath R-Value		Solar Absor	Below Grade
	1 2 3 4	NE NW SW SW		Exterior Exterior Exterior Exterior	Frame - Wood Frame - Wood Frame - Wood Frame - Wood		1st 1st 1st	Floor Floor Floor Floor		13.0 13.0 13.0 13.0		0 4 0	10. 10. 10. 10.	0 0	333.3 240.0 193.3 140.0	0.084 0.084		0.23 0.23 0.23 0.23	0.75 0.75 0.75 0.75	0 % 0 % 0 % 0 %
	5	SE		Garage	Frame - Wood		1st	Floor		13.0	24.0	0	10.	0 0	240.0	0.084		0.23	0.75	0 %
									DC	ORS	3			(T	otal E	xpose	d Are	a = 4	8 sq.	ft.)
<b>/</b> ;	# (	Ornt		Adjacent 7	To Door Type		Space	•		Stor	ms		U-V	√alue		Vidth Ft In		eight In	Are	еа
=	1 2	NE SE		Exterior Garage	Insulated Insulated		1st Flo				one one			0.46 0.46	3.00		8.00 8.00	0	24.0 24.0	
								V	/IN	DOW	/S			(To	tal Ex	posed	Area	= 20	4 sq.1	ft.)
<b>/</b> ;	# (		Vall ID	Frame	Panes	NFRC	U-Factor	SHGC	lmp	Storm	Total Area (ft²)		Same Units	Width (ft)	Height (ft)	Overh Depth (ft)		Interior	Shade	Screen
	1 N 2 N 3 N 4 N	VW VW VE	1 1 2 2	Vinyl Vinyl Vinyl	Low-E Double Low-E Double Low-E Double Low-E Double	Y Y Y	0.36 0.36 0.36 0.36	0.25 0.25 0.25 0.25	N N N	N N N	54.0 24.0 36.0 6.0		3 2 2 1	3.00 2.00 3.00 2.00	6.00 6.00 6.00 3.00	1.5 1.5 1.5 1.5	1.0 1.0 1.0 1.0	Noi Noi Noi Noi	ne ne	None None None
	5 5		3 4	0.000	Low-E Double Low-E Double	Y	0.36 0.36	0.25 0.25	N	N N	12.0 72.0		1	3.00 9.00	4.00 8.00	1.5 11.5	1.0 1.0	Noi Noi		None None
	-	- 14						INF	ILT	RAT	ION								1+45-4	
<b>/</b> ;	# 5	Scope		Met	hod	SI	_A (	CFM50		ELA	EqL	.A	A	СН	ACH5	0 Space	e(s)	Infiltrat	ion Test	Volume
	. 1	Who	lehou	se Propo	osed ACH(50)	0.00	0044	933	5	1.21	96.1	13	0.1	1500	7.0	Al		8000 c	u ft	
	-		100						GAI	RAG	E									
V ;	<b>#</b>		F	loor Area	F	Roof Are	а	Exp	ose	d Wall P	erimete	er		Avg	. Wall He	ight	Expo	sed Wa	ll Insula	tion
	1			352 ft²		352 ft²				53 ft					10 ft			1		
									M	ASS								7. 91		
$\bigvee t$	<i>‡</i>	Mass	Туре	9		Ar	ea		Т	hicknes	s		Furnit	ure Fra	action	S	pace			
	1	Defa	ult(8 l	bs/sq.ft.)		0	ft²			0 ft				0.30		1:	st Floor			
							ŀ	HEAT	INC	G SY	STE	M								
\/ #	ŧ	Syste	em Ty	rpe	Si	ubtype/S	Speed	AHRI	#	Effici	ency		Capacit kBtu/hr		Geoth		eatPump Volt Cu		ucts I	Block
_	1	Elect	ric He	eat Pump	ı	None/Si	ngle			HSPF2	2: 8.80		17.0		0	.00 (	0.00	.00 sy	s#1	1

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## **INPUT SUMMARY CHECKLIST REPORT**

						CC	OLI	NG SY	STEM						
/	#	System Type		Su	btype/Spee	d	AHRI	# Effic	ciency	Capacity kBtu/hr		r Flow cfm	SHR	Duc	t Block
_	_ 1	Central Unit			None/Sing	le		SEEF	R2:17.0 1	5.8		480	0.75	sys#	1 1
						НОТ	ΓWA	TER S	YSTEM						
	#	System Type	Subtype	)	Location		EF(UE	F) Cap	Use	SetPnt	Fixture	e Flow	Pipe Ins	s. Pi	pe length
_	_1	Electric	Tankless	S	Garage		0.92 (0	.92) 1.00 g	al 40 gal	120 deg	g Stan	dard	None		12
		Recirculation System		rc Control Type	6	Loop length	Brand			Facilit Connec			DWHR Eff	Oth	er Credits
_	_1	No				NA	NA	NA	No	NA	N	A	NA	No	one
							D	UCTS							
	Duct #		upply R-Value A		Reto	urn R-Value		Leakage	е Туре	Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RLF	HVAC# Heat Cool
	_ 1 A	ttic	6.0 200	ft <sup>2</sup> Attic		6.0	40 ft²	Default L	eakage	Garage	(Default)	(Default)			1 1
_	_ 1 A	attic	6.0 200	ft <sup>2</sup> Attic				Default L	- 11	Garage	(Default)	(Default)			1 1
1		ramable Thermong [] Jan		ft² Attic	[] Apr [] Apr [X] Apr	TI	EMPI Ceiling I May May	ERATU	- 11	[X] Aug [] Aug [] Aug	(Default)	[] Oo [] Oo [X] Oo	ct [	[] Nov X] Nov X] Nov	1 1 [] Dec [X] Dec [] Dec
1	Progr Coolin Heatin Ventin	ramable Thermong [] Jan	ostat: Y [] Feb [X] Feb [] Feb	[ ] Mar [X] Mar [X] Mar	[] Apr [X] Apr	<b>TI</b> (1) (1)	EMPI Ceiling I May May	ERATU Fans: N [X] Jun [] Jun	RES [X] Jul	[X] Aug [] Aug [] Aug	[X] Sep	[] 00	ct [	X] Nov	[] Dec [X] Dec
(	Progr Coolin Heatin Ventin The Sch	ramable Thermong [] Janng [X] Jannng [] Jannng [] Jannng [] Jannng [] Jannng [] Jannng []	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [X] Apr	7 [] N [] N []	EMPI Ceiling I May May May	ERATU Fans: N [X] Jun [] Jun [] Jun	RES  [X] Jul  [] Jul  [] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oo [X] Oo	ct [	X] Nov X] Nov	[] Dec [X] Dec [] Dec
(	Progr Coolin Heatin Ventin The Sch	ramable Thermong [] Jan ng [X] Jan ng [] Jan ermostat Sched nedule Type	ostat: Y [] Feb [X] Feb [] Feb ule: HERS 2	[] Mar [X] Mar [X] Mar 2006 Refere	[] Apr [X] Apr nce 2	TI	Ceiling May May May	ERATU Fans: N [X] Jun [] Jun [] Jun	RES  [X] Jul  [] Jul  [] Jul  Hou	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	8 [] Oc	ct [.	X] Nov X] Nov 11	[] Dec [X] Dec [] Dec 12
(	Progr Coolin Heatin /entin The Sch _ Coo	ramable Thermong [] Jan ng [X] Jan ng [] Jan ermostat Schednedule Type oling (WD)	ostat: Y [] Feb [X] Feb [] Feb ule: HERS 2	[] Mar [X] Mar [X] Mar 2006 Referen 1 78 80	[] Apr [X] Apr nce 2	78 78	Ceiling May May May 4	Fans: N [X] Jun [] Jun [] Jun 5	[X] Jul [] Jul [] Jul 6 Hou 6	[X] Aug [] Aug [] Aug ars 7	[X] Sep [] Sep [] Sep 8	[] Oo [] Oo [X] Oo 9	10 80 78	X] Nov X] Nov 11	[] Dec [X] Dec [] Dec 12

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX\* = 95

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

,Lake City,FL,32024

1.	New construction or ex	New (From F	Plans)		Wall Types (1146.7 sqft.)	Insulatio	5.0	\rea	
2.	Single family or multiple	Det	ached		Frame - Wood, Exterior	R=13.0	906.6		
3.	Number of units, if mult		1		Frame - Wood, Adjacent N/A	R=13.0	240.00	O ft²	
4.	Number of Bedrooms			1	7.	N/A			
5.	Is this a worst case?			No		Ceiling Types(880.0 sqft.)	Insulatio		Area
6.	Conditioned floor area Conditioned floor area			800 0	b.	Flat ceiling under att (Vented) N/A N/A	R=38.0	880.00	O ft²
á	Windows** a. U-Factor: SHGC: b. U-Factor: SHGC:	Description Dbl, U=0.36 SHGC=0.25 N/A	204	Area 4.00 ft <sup>2</sup>	12. 13.	Roof(Comp. Shingles, Vented) De Ducts, location & insulation level Sup: Attic, Ret: Attic, AH: Garage	eck R=0.0	R	1 ft² ft²
ŀ	c. U-Factor: SHGC: Area Weighted Average Area Weighted Average			ft <sup>2</sup> 029 ft 0.250	14.	Cooling Systems Central Unit	kBtu/hr 15.8 S	Efficie EER2:17	
8.	Skylights U-Factor:(AVG) SHGC(AVG):	Description N/A N/A		Area N/A ft²		Heating Systems Electric Heat Pump	kBtu/hr 17.0	Efficie HSPF2:8	
t	Floor Types a. Slab-On-Grade Edge b. N/A c. N/A		=	Area 00.00 ft <sup>2</sup> ft <sup>2</sup> ft <sup>2</sup>	a.	Hot Water Systems ElectricTankless Conservation features	Ca	ıp: 1 gallı EF: 0.9	
					17.	Credits		No CV, Pa	one stat

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: Lake City,FL,32024



\*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.