

## FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Ivy Model Street: City, State, Zip: Lake City, FL, 32024 Owner: Spec House 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? 6. Conditioned floor area above grade (ft²) Conditioned floor area below grade (ft²) 7. Windows(282.3 sqft.) Description a. U-Factor: Dbl, U=0.33 SHGC: SHGC=0.22 b. U-Factor: N/A SHGC: c. U-Factor: N/A SHGC: Area Weighted Average Overhang Depth: Area Weighted Average SHGC: 8. Skylights c. U-Factor:(AVG) SHGC(AVG): N/A 9. Floor Types (1807.0 sqft.) a. Slab-On-Grade Edge Insulation R=0.0 1807.00 ft² R= ft² Total Proposed Modified	10. Wall Type\$1834.3 sqft.)  a. Frame - Wood, Exterior b. Frame - Wood, Adjacent c. N/A d. N/A d. N/A R= 11. Ceiling Types (1807.0 sqft.) a. Under Attic (Vented) b. N/A c. N/A R= ft² c. N/A R= ft² 12. Ducts a. Sup: Attic, Ret: Attic, AH: Garage Received Received Reficiency a. Electric Heat Pump Received Received Reficiency AVS EXAMINE Cap: 40 gallons EF: 0.920  b. Conservation features None Received Loads: 48.21
Glass/Floor Area: 0.156 Total Proposed Modified Total Baseline	PA33
I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.  PREPARED BY:  DATE:  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.
- 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	ECT								
Title: Building Owner I # of Uni Builder Permit ( Jurisdic Family 1 New/Ex Comme	Name: its: Name: Office: etion: Type: disting:	Ivy Model User Spec House 1 Columbia Cou Detached New (From Pla		Bedrooms Conditione Total Stori Worst Cas Rotate And Cross Ven Whole Hor	ed Area: es: ee: gle: tilation:	3 1807 1 No 0			Lot # Block PlatE Stree Cour	k/Subdivi Book: et:	sion: F	ot Informa Preserves Columbia ake City, 'L, 320		
					CLIMA	ATE								
$\checkmark$		gn Location Gainesville	TMY Site	- REGI	97				ign Tem Summ 75	er Deg	leating ree Day 305.5		re R	y Temp ange ledium
	, L, ,	Cantesvine	TE_OXINEOVIELE	KEOI	BLOC			70			000.0			Calam
Numb	er	Name	Area	Volume										-
1		Block1	1807	16263						,				
					SPAC	ES								
Numb	er	Name	Area	Volume I	Kitchen	Occupant	ts B	edroom	s Ir	nfil ID	Finishe	d Co	oled	Heated
1		Main	1807	16263	Yes	6		3	1		Yes	Yes	3	Yes
					FLOO	RS								
$\vee$	#	Floor Type	Space	Peri	neter	R-Value	P	\rea				Tile W	ood Ca	arpet
	1 Slab	-On-Grade Edge	Insulatio M	ain 201	ft	0	18	07 ft²				0.33 0	.33 0	.34
					ROO	F								
$\checkmark$	#	Туре	Materials	Roof Area	Gabl Area			Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	
	1	Hip	Composition shing	les 2093 ft²	0 ft²	Med	ium	N	0.85	No	0.9	No	0	30.3
					ATTI	С								
$\sqrt{}$	#	Туре	Ventil	ation	Vent Rati	io (1 in)	Are	a	RBS	IRO	cc			
	1	Full attic	Ven	ted	300	0	1807	ft²	N	N	١			
					CEILII	NG								
V	#	Ceiling Type		Space	R-Value	e In	s Type		rea	Fram	ning Fra	c Truss	Туре	
	1	Under Attic (Ve	ented)	Main	30	В	lown	18	07 ft²	(	0.11	W	bod	

5/5/2021 3:24 PM

INPUT SUMMARY CHECKLIST REPORT

)RM F	R405-2	2020			INPUT S	SUMMA		CKL LLS	ISTR	REPOR					
V #	Orni		Adjace	ent Wall	Туре	Space	Cavity	Wid	lth In	Height Ft In	Area	Sheathing R-Value	g Framing Fraction	Solar Absor	Belov Grade
1	N		xterior		me - Wood	Main	13	28	6	9	256.5 ft²	N-value	0.23	0.75	_Grade
2	W	Е	xterior	Fra	me - Wood	Main	13	5	8	9	51.0 ft <sup>2</sup>		0.23	0.75	(
3	N	Е	xterior	Fra	me - Wood	Main	13	14	4	9	129.0 ft²		0.23	0.75	(
4	E	Е	xterior	Fra	me - Wood	Main	13	38	8	9	348.0 ft <sup>2</sup>		0.23	0.75	(
5	s	Е	xterior	Fra	me - Wood	Main	13	7	4	10	73.3 ft <sup>2</sup>		0.23	0.75	(
6	E	Е	xterior	Frai	me - Wood	Main	13	8	6	9	76.5 ft <sup>2</sup>		0.23	0.75	(
7	s	Е	xterior	Frai	me - Wood	Main	13	14	10	9	133.5 ft²		0.23	0.75	
8	W	Е	xterior	Frai	me - Wood	Main	13	52		9	468.0 ft <sup>2</sup>		0.23	0.75	
9	S	C	Sarage	Frai	me - Wood	Main	13	33	2	9	298.5 ft <sup>2</sup>		0.23	0.75	
							DO	ORS							
$\sqrt{}$	#		Ornt		Door Type	Space			Storms	U-Va	alue F	Width t In	Height Ft	In	Area
	1		S		Insulated	Main			None	.4	1 3		6	8 2	20 ft²
	2		s		Insulated	Main			None	.4	. 3	Ì	6	8 2	20 ft²
			Wall		Ori	entation sho	WIND own is the en	OWS tered, F		d orientati		rhang			
V	#	Ornt		Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		Separation	Int Sha	de S	Screeni
	1	Ν	1	Vinyl	Low-E Double	Yes	0.33	0.22	N	90.0 ft	<sup>2</sup> 9 ft 6 in	1 ft 4 in	None	)	None
	2	Ν	1	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	24.0 ft	<sup>2</sup> 9 ft 6 in	1 ft 4 in	None	)	None
	3	W	2	Vinyl	Low-E Double	Yes	0.33	0.22	N	36.0 ft	<sup>2</sup> 1 ft 6 in	1 ft 4 in	None	)	None
	4	Ν	3	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	24.0 ft	<sup>2</sup> 1ft6in	1 ft 4 in	None	•	None
	5	Ν	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	20.0 ft	2 1 ft 6 in	1 ft 4 in	None	)	None
	6	Ν	3	Vinyl	Low-E Double	Yes	0.33	0.22	N	12.0 ft	<sup>2</sup> 1ft6in	1 ft 4 in	None	•	None
	7	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	13.3 ft	<sup>2</sup> 7 ft 6 in	1 ft 4 in	None	)	None
	8	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	36.0 ft	<sup>2</sup> 1 ft 6 in	1 ft 4 in	None	•	None
	9	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	9.0 ft <sup>2</sup>	1 ft 6 in	1 ft 4 in	None	)	None
	10	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	18.0 ft	2 1 ft 6 in	1 ft 4 in	None	)	None
							GAR	AGE							
$\sqrt{}$	#		Floo	r Area	Ceiling	Area	Exposed V	/all Per	meter	Avg. V	Vall Height	Expose	ed Wall Ins	ulation	
	1		433.80	5556 ft²	433.805	556 ft²	4	9 ft			9 ft		1		
							INFILTE	RATIC	N						
	0		N	lethod		SLA (	CFM 50	ELA	E	EqLA	ACH	ACI	H 50		
	Scope									- 4	,				

FORM R405-2020

INPUT SUMMARY CHECKLIST REPORT

FORM R4	05-202	20	INP	UTSUN	IMARY (			PORT						
. /				0.11		TING SY						DI I		_
V		System Type Electric Heat Pu	ımn/	Subtype None		eed ngl	Efficiency HSPF:8.5		pacity Btu/hr			Block 1	Dud sys	
				Hono				, 121						
COOLING SYSTEM														
		System Type		Subtype		btype	Efficiency	Capacity	Air F	-	SHR	Block	Duc	
	1 (	Central Unit/		None	SII	ngl	SEER: 14	42 kBtu/hi	1260	cim	0.8	1	sys	#1
					HOT W	VATER S	YSTEM							
$\vee$	#	System Type	SubType	Location	on EF	C	Сар	Use	SetPnt		Co	nservatio	n	
:	1	Electric	None	Garag	e 0.92	. 40	gal	60 gal	120 deg			None		
				S	OLAR HO	T WATE	R SYSTE	М						
$\overline{}$	FSEC						NU sa Santa da VIII			llector	Stor			
	Cert #	Company Na	ame		System	n Model #	Co	llector Mode	1# /	Area	Volu	ıme	FEF	
	None	None								ft²		-		
					~	DUCTS								
/		Supp	oly Value Area		Return	Leaf	T	Air Handler	CFM 25 TOT	CFM2 OUT		RLF	HVA Heat	
V	# 1	Location R-	8 361.4 f	Locat t Atti			age Type		(Default)			KLF	пеаt 1	1
		Attic	0 301.41	t Atti		IPERATU	t Leakage	Garage	(Delault)	(Delat	ait)			-
Program	able The	ermostat: Y			Ceiling Fan									
Cooling			[ ] Mar	f 1 Apr			ryt lol	DY1 Aug	IXI Ser		1 Oct	f 1 Nov	110	)ec
Heating Venting	[X] Ja [X] Ja [ ] Ja	in []Feb in [X]Feb in []Feb	[ ] Mar [X] Mar [X] Mar	Apr Apr X Apr	[ ] May [ ] May [ ] May	[X] Jun [ ] Jun [ ] Jun	[X] Jul [ ] Jul [ ] Jul	[X] Aug [ ] Aug [ ] Aug	[X] Ser   Ser   Ser	×	Oct Oct Oct	X Nov X Nov X Nov		ec ec
Thermosta			6 Reference					urs				·		
Schedule 7	Гуре	······································	1	2	3 4	5	6	7	8	9	10	11	12	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	80 78	)
Cooling (V	/EH)	AM PM	78 78	78 7 78 7	78 78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	3
Heating (W	/D)	AM PM	66 68		6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	68	
Heating (W	/EH)												68 66	
		AM PM	66 68	66 6 68 6	6 66 8 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	66	3
-1-1-2-1-2-2-						MASS								
	ss Type			Area		Thickness	s F	Furniture Fra	ction		Space			
Default(8 lbs/sq.ft. 0 ft <sup>2</sup> 0 ft								0.3			Main			-

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

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 99

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

, Lake City, FL, 32024

	New construction or exis		om Plans)	<ol> <li>Wall Type and Insulation</li> <li>Frame - Wood, Exterior</li> </ol>	Insulation	n Area 1535.80 ft²	
2.	Single family or multiple	Detache	ed	b. Frame - Wood, Adjacent	R=13.0	298.50 ft²	
3.	Number of units, if multi	ple family	1		c. N/A	R=	ft²
4.	Number of Bedrooms		3		d. N/A	R=	ft²
5.5	Is this a worst case?		No		<ol> <li>Ceiling Type and insulation level a. Under Attic (Vented)</li> </ol>	Insulation R=30.0	n Area 1807.00 ft²
6.	Conditioned floor area (	ft²)	1807		b. N/A	R=	ft²
7.	Windows** a. U-Factor: SHGC:	Description Dbl, U=0.33 SHGC=0.22		Area 282.33 ft <sup>2</sup>	<ul><li>c. N/A</li><li>12. Ducts, location &amp; insulation level</li><li>a. Sup: Attic, Ret: Attic, AH: Garage</li></ul>	R=	ft² R ft² 8 361.4
	b. U-Factor:	N/A		ft²			
	SHGC: c. U-Factor: SHGC:	N/A		ft²	13. Cooling systems a. Central Unit	kBtu/hr 42.0	Efficiency SEER:14.00
	d. U-Factor: SHGC:	N/A		ft²	Heating systems     Electric Heat Pump	kBtu/hr 42.0	Efficiency HSPF:8.50
	Area Weighted Average Area Weighted Average			5.014 ft. 0.220	a. Liectile Heat Fump	42.0	11011.0.00
	<ol> <li>Skylights</li> <li>U-Factor(AVG): SHGC(AVG):</li> </ol>	Description N/A N/A		Area ft²	15. Hot water systems a. Electric	Ca	ap: 40 gallons EF: 0.92
	Floor Types     a. Slab-On-Grade Edg	e Insulation	Insulation R=0.0	Area 1807.00 ft <sup>2</sup>	b. Conservation features     None     Credits (Performance method)		CF, Pstat
	b. N/A c. N/A		R= R=	ft² ft²	Gredite (i chomiane method)		Or, i 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:



\*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.