FORM R405-2022 Supplement

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professio	nal Regulation - Residential Performance Method
Project Name: Perkins	Builder Name:
Street:	Permit Office:
City, State, Zip: , FL,	Permit Number:
Owner: Design Location: FL, Gainesville	Jurisdiction: County: Suwannee(Florida Climate Zone 2)
Design Education. T.E., Gamesville	odunty. Sawaimee(i londa olimate zone z)
New construction or existing New (From Plans)	10. Wall Types(1377.0 sqft.) Insulation Area
Single family or multiple family Detached	a. Frame - Wood, Exterior R=13.0 1377.00 ft ² b. N/A
Number of units, if multiple family	c. N/A
4. Number of Bedrooms 3	d. N/A
5. Is this a worst case?	11. Ceiling Types(1368.0 sqft.) Insulation Area a. Flat ceiling under att (Vented) R=30.0 1368.00 ft ²
6. Conditioned floor area above grade (ft²) 1368	b. N/A
Conditioned floor area below grade (ft²) 0	c. N/A
7. Windows(102.0 sqft.) Description Area a. U-Factor: Dbl, U=0.26 102.00 ft ²	12. Roof(Comp. Shingles, Vented) Deck R=0.0 1530 ft ² 13. Ducts, location & insulation level R ft ²
SHGC: SHGC=0.20	a. Sup: Attic, Ret: Attic, AH: Main 6 274
b. U-Factor: N/A ft ²	b.
SHGC: c. U-Factor: N/A ft ²	C
c. U-Factor: N/A ft ² SHGC:	14. Cooling Systems kBtu/hr Efficiency a. Central Unit 30.0 SEER:15.00
Area Weighted Average Overhang Depth: 1.500 ft	d. Odrillar Offic
Area Weighted Average SHGC: 0.200	
8. Skylights Description Area	15. Heating Systems kBtu/hr Efficiency
U-Factor:(AVG) N/A N/A ft ²	a. Electric Heat Pump 30.0 HSPF:8.50
SHGC(AVG): N/A	
9. Floor Types Insulation Area	16. Hot Water Systems
a. Slab-On-Grade Edge Insulation $R = 0.0$ 1368.00 ft^2 b. N/A $R = ft^2$	a. Electric Cap: 50 gallons
c. N/A R= ft ²	EF: 0.920
	b. Conservation features None
	17. Credits CF, Pstat
Glass/Floor Area: 0.075 Total Proposed Modi	
Total Base	ine Loads: 40.02 PASS
I hereby certify that the plans and specifications covered by	Review of the plans and
this calculation are in compliance with the Florida Energy	specifications covered by this
Code.	calculation indicates compliance with the Florida Energy Code.
PREPARED BY:	
1/2 70 27	this building will be inspected for
DATE: (1 2 - 28 - 25	compliance with Section 553.908
I hereby certify that this building, as designed, is in compliance	Florida Statutes.
with the Florida Energy Code.	OD WE TRUTH
OWNER/AGENT:	BUILDING OFFICIAL:
DATE:	DATE:
- Compliance requires certification by the air handler unit m	anufacturar that the dir handler operation qualifies as

certified factory-sealed in accordance with R403.3.2.1. 101

- 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 4.73 ACH50 (R402.4.1.2).

FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					PRO	JEC	Т							
Builde Perm Jurise Famil New/l	ing Type: er: er Name: ilt Office: diction: ly Type: Existing: Construct:	Perkins User Detached New (From Plans 2023	s)	Bedroom Condition Total Sto Worst Ca Rotate Ar Cross Ve Whole Ho Terrain: Shielding	ned Area: ories: ase: ngle: entilation: ouse Fan	1 No 0 : n: Ru		Lot #: Block/ PlatBo Street Count City, S	/SubDivisio ook: t:	on: —	eet Addr	ess		
	CLIMATE													
√ Desi Loca			Tmy Site		Des 97.5%	sign Ter 6 2.		Int Design Winter Su		Heatin Degree I		Design Moisture		ily temp inge
FL,	Gainesville		FL_GAINESVILLE	_REGION/	A 32	9	92	70	75	1305.5	5	51	Medi	um
	BLOCKS													
√ Num	ber	Name	Area	Vol	ume									
1		Block1	1368	123	312 cu ft									15.5
	SPACES													
√ Num	ber	Name	Area	Volume	Kitchen	Oc	cupants	Bedro	oms	Finishe	ed	Coole	ed F	leated
_1		Main	1368	12312	Yes		6	3		Yes		Yes	3	Yes
					FLO	ORS)	(T	otal Exp	osec	d Are	a = 136	68 sq	.ft.)
V #	Floor Type	Э	Space	Exposed I	Perim	Perime	ter R-Valu	ie Area	U-Factor	Joist R	≀-Value	Tile V	/ood	Carpet
1	Slab-On-Gra	ade Edge Ins	Main	153	i .	0		1368 ft	0.563	-		0.20	0.60	0.20
					RO	OF								
√ #	Туре		Materials		oof rea	Gable Area		Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Gable or she	ed	Composition shingle	is 153	30 ft² 3	342 ft²	Medium	N	0.85	No	0.9	No	0	26.57
					AT	TIC								
V #	Туре		Ventilation	d	Vent F	Ratio (1	in) A	Area	RBS		IRCC			
1	Full attic		Vented			300	136	68 ft²	N		N			
					CEIL	ING		(To	otal Exp	osec	l Area	a = 136	38 sq	.ft.)
V #	Ceiling Typ	ре		Space	R-Va	alue	Ins. Type	Area	U-Fac	ctor Fr	raming l	Frac.	Truss	s Type
_1	Flat ceiling u	under attic(Vented	(t	Main	30	.0	Blown	1368.0	ft² 0.05	3	0.11		W	ood

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	The Real Property lies	and the same of th	-		-						- 10000	and the same				-		1000		- C-1
V # Ornt								W	ALLS	3		(Tota	al Exp	osed	Area	a = 1	1377	sq.1	ft.)
2 E Exterior Frame-Wood Main 13.0 28.0 6 9.0 0 2865 5.0.094 0.23 0.75 0 %	√# Ornt	Adjace To		Wall Type		Space														Below Grade
V# Omt	2 E	E:	xterior xterior	Frame - Woo	od od	M M	ain ain		13.0 13.0	28.0 48.0	6	9.0 9.0	0	256.5 432.0	0.09	4 4	0.	.23	0.75 0.75	0 % 0 %
V # Omt Adjacent To Door Type Space Storms U-Value Ft In Ft In Area	DOORS (Total Exposed Area = 60 sq.ft.)																			
Section Insulated Main None 0.40 3.00 0 6.00 8 20.0ft	√# Ornt	# Ornt Adjacent To Door Type Space							Stor	ms									Area	
Wall	2 S		Exterior	Insulated		Main			No	one		0.	40	3.00	0 0	6.0	00	8	20.0)ft²
W							W	/IN	DOW	VS			(То	tal Ex	pose	d Are	ea =	102	sq.f	t.)
2 N	√# Ornt		rame	Panes	NFRC	U-Factor	SHGC	lmp	Storm	Area					Depth	Sep.		rior St	nade	Screen
✓ # Scope Method SLA CFM50 ELA EqLA ACH ACH50 Space(s) Infiltration Test Volume 1 Wholehouse Proposed ACH(50) 0.00027 971 53.25 99.97 0.0972 4.7 All 12312 cu ft 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 Air Flow Colspan="6">Capacity Colspan="6">Capac	2 N 3 S 4 W	1 3 4	Vinyl Vinyl Vinyl	Low-E Double Low-E Double Low-E Double	Y Y Y	0.26 0.26 0.26	0.20 0.20 0.20	NNN	N N N	15.0 60.0 12.0	1 4 1	3 3 6	.00 .00 .00	5.00 5.00 2.00	1.5 1.5 1.5	2.3 2.3 2.3		None None None		None None None
							INF	ILT	RAT	ION										
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 HeatPump——Ducts kBlock kBtu/hr Block current 1 Electric Heat Pump None/Single HSPF: 8.50 30.0 0.00 0.00 0.00 sys#1 1 COOLING SYSTEM ✓# System Type Subtype/Speed AHRI # Efficiency Capacity kBtu/hr Air Flow SHR Duct Block kBtu/hr	√ # Scope	е	Met	hod	S	LA C	FM50		ELA	EqL	A	ACI	Н	ACH5	0 Spac	e(s)	Infi	Itratio	n Test	Volume
✓# 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 HeatPump — Ducts kBtu/hr Ducts Block Current 1 Electric Heat Pump None/Single HSPF: 8.50 30.0 0.00 0.00 0.00 sys#1 1 COOLING SYSTEM ✓# System Type Subtype/Speed AHRI # Efficiency Capacity kBtu/hr Air Flow cfm SHR Duct Block	1 Wh	olehouse	Propo	osed ACH(50)	0.0	0027	971	53.25 99.97				0.0972 4.7 All					I 12312 cu ft			
1 Default(8 lbs/sq.ft.) 0 ft² 0 ft 0.30 Main HEATING SYSTEM ✓ # System Type Subtype/Speed AHRI # Efficiency Capacity HSPF: 8.50 30.0 0.00 0.00 0.00 sys#1 1 COOLING SYSTEM ✓ # System Type Subtype/Speed AHRI # Efficiency Capacity RBtu/hr Entry Power Volt Current COOLING SYSTEM								M	ASS											
HEATING SYSTEM # System Type Subtype/Speed AHRI # Efficiency CapacityGeothermal HeatPump Ducts Block kBtu/hr Entry Power Volt Current 1 Electric Heat Pump None/Single HSPF: 8.50 30.0 0.00 0.00 0.00 sys#1 1 COOLING SYSTEM # System Type Subtype/Speed AHRI # Efficiency Capacity Air Flow SHR Duct Block kBtu/hr cfm	√# Mas	ss Type			Aı	rea		Т	hicknes	s	F	urnitur	e Fra	ction		Space				
✓# System Type Subtype/Speed AHRI# Efficiency kBtu/hr Capacity kBtu/hr —Geothermal HeatPump—— Volt Current Ducts Block 1 Electric Heat Pump None/Single HSPF: 8.50 30.0 0.00 0.00 0.00 0.00 sys#1 1 COOLING SYSTEM ✓# System Type Subtype/Speed AHRI# Efficiency Capacity kBtu/hr Air Flow cfm SHR Duct Block	1 Def	ault(8 lbs	s/sq.ft.)		0	ft²			0 ft			0	.30			Main				
kBtu/hr Entry Power Volt Current 1 Electric Heat Pump None/Single HSPF: 8.50 30.0 0.00 0.00 0.00 sys#1 1 COOLING SYSTEM ✓ # System Type Subtype/Speed AHRI # Efficiency Capacity kBtu/hr cfm SHR Duct Block						Н	IEAT	IN	G SY	STE	M									
COOLING SYSTEM # System Type Subtype/Speed AHRI # Efficiency Capacity Air Flow SHR Duct Block kBtu/hr cfm	√# Sys	tem Type	9	\$	Subtype/S	Speed	AHRI	#	Effici	iency									ts E	Block
√# System Type Subtype/Speed AHRI # Efficiency Capacity Air Flow SHR Duct Block kBtu/hr cfm	1 Elec	ctric Heat	Pump		None/Si	ingle			HSPF	: 8.50	3	0.0		0	.00	0.00	0.00	syst	‡ 1	1
kBtu/hr cfm		201.00				С	OOL	IN	G SY	STE	M									
1 Central Unit None/Single SEER:15.0 30.0 900 0.85 sys#1 1	√# Sys	tem Type)	S	Subtype/S	Speed	AHRI	#	Eff	iciency				A			SHR	Duc	at B	llock
	1 Cen	ntral Unit			None/	Single			SEE	ER:15.0	3	0.0			900		0.85	sys#	1	1

FORM R405-2022S INPUT SUMMARY CHECKLIST REPORT

					HOT	WATE	ER SYS	STEM						
/#	System Type	Subtype	9	Location	ĺ	EF(UEF)	Сар	Use	SetPnt	Fixture	Flow	Pipe Ins	s. Pip	e length
1	Electric	None		Main		0.92 (0.92)	50.00 gal	60 gal	120 deg	y Stan	dard	None		99
	Recirculation System		rc Control Type		Loop length	Branch length	Pump power	DWHR	Facilit Conne			DWHR Eff	Othe	er Credits
1	No				NA	NA	NA	No	NA	N	A	NA	No	ne
						DU	CTS							
√ Buc #		pply R-Value A		Ret	um R-Value		_eakage Ty	/ре	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF H	HVAC# leat Cool
1/	Attic	6.0 274	ft ² Attic		6.0	68 ft² D	efault Leak	age	Main	(Default) (Default)			1 1
					TI	EMPER	ATUR	ES				-		
Prog Cool Heat Vent	ing [X] Jan	ostat: Y [] Feb [X] Feb [] Feb	[] Mar [X] Mar [X] Mar	[] Apr [] Apr [X] Apr	[] [] []	/lay []	Jun [7 Jun [K] Jul] Jul] Jul	[X] Aug [] Aug [] Aug	[X] Sep [] Sep [] Sep	[] Oo [] Oo	t į] Nov K] Nov K] Nov	[] Dec [X] Dec [] Dec
	ermostat Sched hedule Type	ule: HERS	2006 Refere 1	ence 2	3	4	5	Hou 6	rs 7	8	9	10	11	12
Co	ooling (WD)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
Co	ooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
He	eating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68
He	ating (WEH)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD ESTIMATED ENERGY PERFORMANCE INDEX* = 99

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

"FL,

 New construction or existing 	New (F	rom Plans)	10. Wall Types(1377.0 sqft.) Insulation Area
2. Single family or multiple fam	nily	Detached	a. Frame - Wood, Exterior R=13.0 1377.00 ft ²
3. Number of units, if multiple	family	1	b. N/A c. N/A
4. Number of Bedrooms		3	d. N/A
5. Is this a worst case?		No	11. Ceiling Types(1368.0 sqft.) Insulation Area
Conditioned floor area above Conditioned floor area below		1368 0	a. Flat ceiling under att (Vented) R=30.0 1368.00 ft ² b. N/A c. N/A
a. U-Factor: Dbl, SHGC: SHC b. U-Factor: N/A	cription U=0.26 GC=0.20	Area 102.00 ft ² ft ²	 12. Roof(Comp. Shingles, Vented) Deck R=0.0 1530 ft² 13. Ducts, location & insulation level R ft² a. Sup: Attic, Ret: Attic, AH: Main 6 274 b.
SHGC: c. U-Factor: N/A SHGC:		ft ²	c. 14. Cooling Systems kBtu/hr Efficiency a. Central Unit 30.0 SEER:15.00
Area Weighted Average Over Area Weighted Average SHG	_	1.500 ft 0.200	
8. Skylights Des U-Factor:(AVG) N/A SHGC(AVG): N/A	cription	Area N/A ft ²	15. Heating Systems kBtu/hr Efficiency a. Electric Heat Pump 30.0 HSPF:8.50
 Floor Types Slab-On-Grade Edge Insult N/A 	R=	Area 1368.00 ft ² ft ²	16. Hot Water Systems a. Electric Cap: 50 gallons EF: 0.920
c. N/A	R=	ft ²	b. Conservation features
			None 17. Credits CF, 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: / // Address of New Home:

City/FL Zip: ,FL,

*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.

