

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 91

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

Kimberly Oaks Lot 7, Lake City, FL, 32055

1. New construction or existing	New (From Plans)	10. Wall Type and Insulation	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=13.0	1336.00 ft²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	181.33 ft²
4. Number of Bedrooms	3	c. N/A	R=	ft²
5. Is this a worst case?	No	d. N/A	R=	ft²
6. Conditioned floor area (ft²)	1694	11. Ceiling Type and insulation level	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=38.0	1694.00 ft²
a. U-Factor:	Dbl, U=0.47	b. N/A	R=	ft²
SHGC:	SHGC=0.31	c. N/A	R=	ft²
b. U-Factor:	Dbl, U=0.49	12. Ducts, location & insulation level	R	ft²
SHGC:	SHGC=0.32	a. Sup: Attic, Ret: Attic, AH: Garage	6	127
c. U-Factor:	N/A	13. Cooling systems	kBtu/hr	Efficiency
SHGC:		a. Central Unit	34.4	SEER:14.00
d. U-Factor:	N/A	14. Heating systems	kBtu/hr	Efficiency
SHGC:		a. Electric Heat Pump	34.4	HSPF:8.20
Area Weighted Average Overhang Depth:	3.423 ft.	15. Hot water systems	Cap: 50 gallons	
Area Weighted Average SHGC:	0.312	a. Electric	EF: 0.94	
8. Skylights	Description	b. Conservation features		
a. U-Factor(AVG):	N/A	None		
SHGC(AVG):	N/A	Credits (Performance method)		CF, Pstat
9. Floor Types	Insulation			
a. Slab-On-Grade Edge Insulation	R=0.0			
b. N/A	R=			
c. N/A	R=			

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.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Irma Hernandez Residence
 Street: Kimberly Oaks Lot 7
 City, State, Zip: Lake City, FL, 32055
 Owner: Irma Hernandez
 Design Location: FL, Gainesville

Builder Name: Jasperstone Builders
 Permit Office: Columbia
 Permit Number:
 Jurisdiction: 221000
 County: Columbia (Florida Climate Zone 2)

1. New construction or existing New (From Plans)
 2. Single family or multiple family Detached
 3. Number of units, if multiple family 1
 4. Number of Bedrooms 3
 5. Is this a worst case? No
 6. Conditioned floor area above grade (ft²) 1694
 Conditioned floor area below grade (ft²) 0
 7. Windows (260.0 sqft.) Description Area
 a. U-Factor: Dbl, U=0.47 220.00 ft²
 SHGC: SHGC=0.31
 b. U-Factor: Dbl, U=0.49 40.00 ft²
 SHGC: SHGC=0.32
 c. U-Factor: N/A ft²
 SHGC:
 Area Weighted Average Overhang Depth: 3.423 ft.
 Area Weighted Average SHGC: 0.312
 8. Skylights Area
 c. U-Factor:(AVG) N/A ft²
 SHGC(AVG): N/A
 9. Floor Types (1691.9 sqft.) Insulation Area
 a. Slab-On-Grade Edge Insulation R=0.0 1691.90 ft²
 b. N/A R= ft²
 c. N/A R= ft²

10. Wall Types (1517.3 sqft.) Insulation Area
 a. Frame - Wood, Exterior R=13.0 1336.00 ft²
 b. Frame - Wood, Adjacent R=13.0 181.33 ft²
 c. N/A R= ft²
 d. N/A R= ft²
 11. Ceiling Types (1694.0 sqft.) Insulation Area
 a. Under Attic (Vented) R=38.0 1694.00 ft²
 b. N/A R= ft²
 c. N/A R= ft²
 12. Ducts R ft²
 a. Sup: Attic, Ret: Attic, AH: Garage 6 127
 13. Cooling systems kBtu/hr Efficiency
 a. Central Unit 34.4 SEER:14.00
 14. Heating systems kBtu/hr Efficiency
 a. Electric Heat Pump 34.4 HSPF:8.20
 15. Hot water systems
 a. Electric Cap: 50 gallons
 b. Conservation features EF: 0.945
 None
 16. Credits CF, Pstat

Glass/Floor Area: 0.153

Total Proposed Modified Loads: 39.34

Total Baseline Loads: 43.44

PASS

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

PREPARED BY: John Pirkle
 DATE: 05/10/2022

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 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 5.83 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT**PROJECT**

Title:	Irma Hernandez Residence	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	1694	Lot #	
Owner Name:	Irma Hernandez	Total Stories:	1	Block/Subdivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Jasperstone Builders	Rotate Angle:	0	Street:	Kimberly Oaks Lot 7
Permit Office:	Columbia	Cross Ventilation:	No	County:	Columbia
Jurisdiction:	221000	Whole House Fan:	No	City, State, Zip:	Lake City ,
Family Type:	Detached				FL , 32055
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Entire House	1694	13552

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Mstr Bedroom	247	1976	No	2	1	1	Yes	Yes	Yes
2	Mstr Bathrm	77	616	No	0		1	Yes	Yes	Yes
3	Mstr WIC	47	376	No	0		1	No	Yes	Yes
4	Bedroom #3	189	1512	No	1	1	1	Yes	Yes	Yes
5	Bedroom #2	198	1584	No	1	1	1	Yes	Yes	Yes
6	Bathrm #2	59	472	No	0		1	Yes	Yes	Yes
7	Foyer	233	1864	No	0		1	Yes	Yes	Yes
8	Family RM/Dining	350	2800	No	0		1	Yes	Yes	Yes
9	Kitchen	294	2352	Yes	0		1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter	R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Mstr Bedroom	31.5 ft		0	246.5 ft²	----	1	0	0
_____	2	Slab-On-Grade Edge Insulatio	Mstr Bathrm	8.5 ft		0	76.5 ft²	----	1	0	0
_____	3	Slab-On-Grade Edge Insulatio	Mstr WIC	1 ft		0	46.8 ft²	----	1	0	0
_____	4	Slab-On-Grade Edge Insulatio	Bedroom #3	13 ft		0	188.5 ft²	----	1	0	0
_____	5	Slab-On-Grade Edge Insulatio	Bedroom #2	29.5 ft		0	198.3 ft²	----	1	0	0
_____	6	Slab-On-Grade Edge Insulatio	Bathrm #2	6.5 ft		0	58.5 ft²	----	1	0	0
_____	7	Slab-On-Grade Edge Insulatio	Foyer	22 ft		0	232.8 ft²	----	1	0	0

INPUT SUMMARY CHECKLIST REPORT

FLOORS

✓	#	Floor Type	Space	Perimeter	Perimeter	R-Value	Area	Joist R-Value	Tile	Wood	Carpet
✓	8	Slab-On-Grade Edge Insulatio	Family RM/Dining	40.5 ft		0	350 ft²	----	1	0	0
✓	9	Slab-On-Grade Edge Insulatio	Kitchen	38.5 ft		0	294 ft²	----	1	0	0

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
✓	1	Gable or Shed	Composition shingles	1833 ft²	352 ft²	Medium	N	0.9	No	0.9	No	0	22.62

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	150	1692 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	Mstr Bedroom	38	Blown	247 ft²	0.1	Wood
✓	2	Under Attic (Vented)	Mstr Bathrm	38	Blown	77 ft²	0.1	Wood
✓	3	Under Attic (Vented)	Mstr WIC	38	Blown	47 ft²	0.1	Wood
✓	4	Under Attic (Vented)	Bedroom #3	38	Blown	189 ft²	0.1	Wood
✓	5	Under Attic (Vented)	Bedroom #2	38	Blown	198 ft²	0.1	Wood
✓	6	Under Attic (Vented)	Bathrm #2	38	Blown	59 ft²	0.1	Wood
✓	7	Under Attic (Vented)	Foyer	38	Blown	233 ft²	0.1	Wood
✓	8	Under Attic (Vented)	Family RM/Dining	38	Blown	350 ft²	0.1	Wood
✓	9	Under Attic (Vented)	Kitchen	38	Blown	294 ft²	0.1	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
✓	1	E	Exterior	Frame - Wood	Mstr Bedroo	13	14	6	8	0	116.0 ft²	0	0.25	0.23	0
✓	2	S	Exterior	Frame - Wood	Mstr Bedroo	13	17	0	8	0	136.0 ft²	0	0.25	0.23	0
✓	3	S	Exterior	Frame - Wood	Mstr Bathrm	13	8	6	8	0	68.0 ft²	0	0.25	0.23	0
✓	4	S	Exterior	Frame - Wood	Bedroom #3	13	13	0	8	0	104.0 ft²	0	0.25	0.23	0
✓	5	N	Exterior	Frame - Wood	Bedroom #2	13	15	6	8	0	124.0 ft²	0	0.25	0.23	0
✓	6	E	Exterior	Frame - Wood	Bedroom #2	13	14	0	8	0	112.0 ft²	0	0.25	0.23	0
✓	7	N	Exterior	Frame - Wood	Bathrm #2	13	6	6	8	0	52.0 ft²	0	0.25	0.23	0
✓	8	N	Exterior	Frame - Wood	Foyer	13	16	6	8	0	132.0 ft²	0	0.25	0.23	0
✓	9	W	Exterior	Frame - Wood	Foyer	13	5	6	8	0	44.0 ft²	0	0.25	0.23	0
✓	10	S	Exterior	Frame - Wood	Family RM/Di	13	28	0	8	0	224.0 ft²	0	0.25	0.23	0
✓	11	N	Exterior	Frame - Wood	Kitchen	13	28	0	8	0	224.0 ft²	0	0.25	0.23	0
✓	12	N	Garage	Frame - Wood	Kitchen	13	22	8	8		181.3 ft²		0.23	0.23	0

INPUT SUMMARY CHECKLIST REPORT**DOORS**

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
✓	1	N	Wood	Kitchen	None	.46	2	8	6	8	17.8 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area	Overhang Depth	Separation	Int Shade	Screening
✓	1	E	1	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	2	S	2	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	3	S	4	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	4	N	5	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	5	E	6	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	6	N	8	Vinyl	Low-E Double	Yes	0.49	0.32	N	40.0 ft²	5 ft 6 in	1 ft 0 in	None	None
✓	7	N	8	Vinyl	Low-E Double	Yes	0.47	0.31	N	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	8	S	10	Vinyl	Low-E Double	Yes	0.47	0.31	N	60.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5
✓	9	S	10	Vinyl	Low-E Double	Yes	0.47	0.31	N	40.0 ft²	10 ft 0 in	1 ft 0 in	None	None
✓	10	N	11	Vinyl	Low-E Double	Yes	0.47	0.31	N	30.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	Exterior 5

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
✓	1	370 ft²	370 ft²	53.33 ft	8 ft	13

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000296	1316.8	72.24	135.63	.1142	5.83

HEATING SYSTEM

✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
✓	1	Electric Heat Pump/	Split	Singl	HSPF:8.2	34.4 kBtu/hr	1	sys#1

COOLING SYSTEM

✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
✓	1	Central Unit/	Split	Singl	SEER: 14	34.4 kBtu/hr	1200 cfm	0.7	1	sys#1

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	None	Garage	0.945	50 gal	62.3 gal	120 deg	None

INPUT SUMMARY CHECKLIST REPORT**SOLAR HOT WATER SYSTEM**

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft ²		

DUCTS

✓	#	Location	Supply R-Value	Area	Location	Return Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	127 ft ²	Attic	67 ft ²	Default Leakage	Garage	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y		Ceiling Fans:												
Cooling	☐ Jan	☐ Feb	☐ Mar	☐ Apr	☐ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☐ Oct	☐ Nov	☐ Dec		
Heating	☒ Jan	☒ Feb	☒ Mar	☐ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☐ Oct	☒ Nov	☒ Dec		
Venting	☐ Jan	☐ Feb	☒ Mar	☒ Apr	☐ May	☐ Jun	☐ Jul	☐ Aug	☐ Sep	☒ Oct	☒ Nov	☐ Dec		
Thermostat Schedule: HERS 2006 Reference														
Schedule Type			1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	66	66

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft ²	0 ft	0.3	Mstr Bedroom
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Mstr Bathrm
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Mstr WIC
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bedroom #3
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bedroom #2
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Bathrm #2
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Foyer
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Family RM/Dining
Default(8 lbs/sq.ft.	ft ²	ft	0.3	Kitchen