


FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Lot 19 High Point Street: City, State, Zip: , FL , Owner: Design Location: FL, Gainesville	Builder Name: IC Construction Permit Office: Permit Number: Jurisdiction: County: Columbia (Florida Climate Zone 2)
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Glass/Floor Area: 0.140	Total Proposed Modified Loads: 56.80	PASS
	Total Baseline Loads: 75.27	

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. <div style="text-align: center;">  </div> BUILDING OFFICIAL: _____ DATE: _____
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- 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).
- Compliance with a proposed duct leakage Qn requires a Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.030 Qn for whole house.

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title:	Lot 19 High Point	Bedrooms:	4	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	800	Lot #	19
Owner Name:		Total Stories:	1	Block/Subdivision:	High Point
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	IC Construction	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Detached				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	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	Block1	3003	26649

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	2625	23625	Yes	6	4	1	Yes	Yes	Yes
2	bonus Room	378	3024	No	0	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	Main	318 ft	0	2625 ft²	----	0.1	0.9	0
_____	2	Floor over Garage	bonus Room	----	----	378 ft²	0	0	0	1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Gable or shed	Composition shingles	3609 ft²	1000 ft²	Dark	N	0.92	No	0.9	No	0	33.69

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	3003 ft²	N	N

INPUT SUMMARY CHECKLIST REPORT

CEILING

✓	#	Ceiling Type	Space	R-Value	Ins Type	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	Blown	2625 ft²	0.11	Wood
_____	2	Under Attic (Vented)	bonus Room	30	Blown	378 ft²	0.11	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	N	Exterior	Frame - Wood	Main	13	24	8	9		222.0 ft²	0.625	0.23	0.75	0
_____	2	E	Exterior	Frame - Wood	Main	13	17	4	9		156.0 ft²	0.625	0.23	0.75	0
_____	3	N	Exterior	Frame - Wood	Main	13	10	8	10		106.7 ft²	0.625	0.23	0.75	0
_____	4	E	Exterior	Frame - Wood	Main	13	2		10		20.0 ft²	0.625	0.23	0.75	0
_____	5	N	Exterior	Frame - Wood	Main	13	23	4	11		256.7 ft²	0.625	0.23	0.75	0
_____	6	N	Exterior	Frame - Wood	Main	13	17	4	9		156.0 ft²	0.625	0.23	0.75	0
_____	7	N	Exterior	Frame - Wood	Main	13	5	0	9		45.0 ft²	0.625	0.23	0.75	0
_____	8	E	Exterior	Frame - Wood	Main	13	29	10	9		268.5 ft²	0.625	0.23	0.75	0
_____	9	S	Exterior	Frame - Wood	Main	13	5		9		45.0 ft²	0.625	0.23	0.75	0
_____	10	S	Exterior	Frame - Wood	Main	13	17	4	9		156.0 ft²	0.625	0.23	0.75	0
_____	11	E	Exterior	Frame - Wood	Main	13	4		11		44.0 ft²	0.625	0.23	0.75	0
_____	12	S	Exterior	Frame - Wood	Main	13	14	4	11		157.7 ft²	0.625	0.23	0.75	0
_____	13	W	Exterior	Frame - Wood	Main	13	5	10	11		64.2 ft²	0.625	0.23	0.75	0
_____	14	S	Exterior	Frame - Wood	Main	13	21	4	11		234.7 ft²	0.625	0.23	0.75	0
_____	15	W	Exterior	Frame - Wood	Main	13	10	4	9		93.0 ft²	0.625	0.23	0.75	0
_____	16	N	Exterior	Frame - Wood	Main	13	2		9		18.0 ft²	0.625	0.23	0.75	0
_____	17	W	Exterior	Frame - Wood	Main	13	25	4	9		228.0 ft²	0.625	0.23	0.75	0
_____	18	S	Exterior	Frame - Wood	bonus Room	13	14	5	8		115.3 ft²	0.625	0.23	0.75	0
_____	19	N	Garage	Frame - Wood	Main	13	38	2	9		343.5 ft²		0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
_____	1	S	Insulated	Main	None	.21	5		8		40 ft²
_____	2	W	Insulated	Main	None	.21	3		6	8	20 ft²
_____	3	N	Insulated	Main	None	.21	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	N	1	Vinyl	Low-E Double	Yes	0.6	0.27	N	4.5 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	2	N	1	Vinyl	Low-E Double	Yes	0.6	0.27	N	12.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	3	N	1	Vinyl	Low-E Double	Yes	0.6	0.27	N	30.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	4	E	2	Vinyl	Low-E Double	Yes	0.6	0.27	N	36.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	5	N	3	Vinyl	Low-E Double	Yes	0.6	0.27	N	16.0 ft²	11 ft 6 in	2 ft 4 in	None	None
_____	6	N	5	Vinyl	Low-E Double	Yes	0.6	0.27	N	160.0 ft²	15 ft 6 in	2 ft 4 in	None	None
_____	7	N	6	Vinyl	Low-E Double	Yes	0.6	0.27	N	30.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	8	S	10	Vinyl	Low-E Double	Yes	0.6	0.27	N	30.0 ft²	1 ft 6 in	2 ft 4 in	None	None

INPUT SUMMARY CHECKLIST REPORT

WINDOWS

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_____	9	S	12	Vinyl	Low-E Double	Yes	0.6	0.27	N	30.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	10	S	14	Vinyl	Low-E Double	Yes	0.6	0.27	N	30.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	11	W	17	Vinyl	Low-E Double	Yes	0.6	0.27	N	8.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	12	W	17	Vinyl	Low-E Double	Yes	0.6	0.27	N	20.0 ft²	1 ft 6 in	2 ft 4 in	None	None
_____	13	S	18	Vinyl	Low-E Double	Yes	0.6	0.27	N	15.0 ft²	1 ft 6 in	2 ft 4 in	None	None

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	687.5 ft²	687.5 ft²	66.83 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000282	2220.8	121.84	228.74	.1021	5

HEATING SYSTEM

✓	#	System Type	Subtype	Speed	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump/	None	Singl	HSPF:8.5	36 kBtu/hr	1	sys#1

COOLING SYSTEM

✓	#	System Type	Subtype	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit/	None	Singl	SEER: 15	36 kBtu/hr	1080 cfm	0.85	1	sys#1

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Propane	Tankless	Exterior	0.59	1 gal	70 gal	140 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

✓	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Main	6	600.6 ft	Main	150.15	Prop. Leak Free	Main	--- cfm	90.1 cfm	0.03	0.50	1	1

INPUT SUMMARY CHECKLIST REPORT**TEMPERATURES**

Programable Thermostat: Y

Ceiling Fans:

Cooling	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input type="checkbox"/>	Dec
Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec
Venting	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec

Thermostat Schedule: HERS 2006 Reference

Hours

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	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Heating (WD)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

MASS

Mass Type	Area	Thickness	Furniture Fraction	Space
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	Main
Default(8 lbs/sq.ft.	0 ft²	0 ft	0.3	bonus Room

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 75

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

, , FL,

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	2386.70 ft²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	343.50 ft²
4. Number of Bedrooms	4	c. N/A	R=	ft²
5. Is this a worst case?	No	d. N/A	R=	ft²
6. Conditioned floor area (ft²)	800	11. Ceiling Type and insulation level	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	3003.00 ft²
a. U-Factor:	Dbl, U=0.60	b. N/A	R=	ft²
SHGC:	SHGC=0.27	c. N/A	R=	ft²
b. U-Factor:	N/A	12. Ducts, location & insulation level	R	ft²
SHGC:		a. Sup: Main, Ret: Main, AH: Main	6	600.6
c. U-Factor:	N/A			
SHGC:		13. Cooling systems	kBtu/hr	Efficiency
d. U-Factor:	N/A	a. Central Unit	36.0	SEER:15.00
SHGC:				
Area Weighted Average Overhang Depth:	7.194 ft.	14. Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.270	a. Electric Heat Pump	36.0	HSPF:8.50
8. Skylights	Description	15. Hot water systems		
a. U-Factor(AVG):	N/A	a. Propane		Cap: 1 gallons
SHGC(AVG):	N/A			EF: 0.59
9. Floor Types	Insulation	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	None		
b. Floor over Garage	R=0.0	Credits (Performance method)		CF, Pstat
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.