

PROJECT

Title	Smith Residence	Bedrooms	3	Address Type	Street Address
Building Type	FLProp2010	Conditioned Area	2470	Lot #	
Owner	Mr & Mrs Smith	Total Stories	1	Block/SubDivision	
# of Units	1	Worst Case	No	PlatBook	
Builder Name	S & S Construction, LLC	Rotate Angle	0	Street	
Permit Office	Columbia County	Cross Ventilation	No	County	Columbia
Jurisdiction		Whole House Fan	No	City, State, Zip	LC ,
Family Type	Single-family				FL , 32055-
New/Existing	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 % 2.5 %	Int Design Temp Winter Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32 92	70 75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2470	24700

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	RoomsInBlock1	2470	24700	Yes	3	3	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	RoomsInBlock1	274 ft	5	2470 ft²	---	0	0 1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	Pitch (deg)
_____	1	Gable or shed	Composition shingles	3215 ft²	1028 ft²	Medium	0.96	No	0.9	No	0	39.8

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	2470 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	RoomsInBlock1	30	2717 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	E	Exterior	Frame - Wood	RoomsInBloc	13	80	4	10		803.3333		0.23	0.75	0
	2	N	Exterior	Frame - Wood	RoomsInBloc	13	47	8	10		476.6666		0.23	0.75	0
	3	W	Exterior	Frame - Wood	RoomsInBloc	13	80	4	10		803.3333		0.23	0.75	0
	4	S	Exterior	Frame - Wood	RoomsInBloc	13	48		10		480 ft²		0.23	0.75	0

DOORS

✓	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
	1	E	Insulated	RoomsInBloc	None	0.460000	3		6	8	20 ft²
	2	S	Insulated	RoomsInBloc	None	0.460000	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered, Proposed orientation

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Separation	Int Shade	Screening
	1	E	1	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	2	E	1	Metal	Double (Clear)	Yes	0.3	0.5	N	60 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None
	3	E	1	Metal	Double (Clear)	Yes	0.3	0.5	N	13.33333	10 ft 0 in	3 ft 0 in	HERS 2006	None
	4	E	1	Metal	Double (Clear)	Yes	0.3	0.5	N	6 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	5	N	2	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	1 ft 0 in	8 ft 0 in	HERS 2006	None
	6	W	3	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	7	W	3	Metal	Double (Clear)	Yes	0.3	0.5	N	45 ft²	9 ft 0 in	1 ft 6 in	HERS 2006	None
	8	W	3	Metal	Double (Clear)	Yes	0.3	0.5	N	80 ft²	9 ft 0 in	1 ft 6 in	HERS 2006	None
	9	S	4	Metal	Double (Clear)	Yes	0.3	0.5	N	4.5 ft²	1 ft 0 in	8 ft 0 in	HERS 2006	None
	10	S	4	Metal	Double (Clear)	Yes	0.3	0.5	N	6 ft²	1 ft 0 in	8 ft 0 in	HERS 2006	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	BySpaces	Proposed SLA	0.000360	2332.3	128.04	240.80	0.2771	5.6657

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
	1	Electric Heat Pump	None	HSPF 7.7	46.5 kBtu/hr	1	sys#1

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
	1	Central Unit	None	SEER 16	46.5 kBtu/hr	1395 cfm	0.75	1	sys#1

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
	1	Electric	None	RoomsInBlock	0 92	80 gal	60 gal	120 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	Percent Leakage	QN	RLF	HVAC # Heat	Cool
	1	Attic	6	617 5 ft	Attic	123 5 ft	DSE=0 88	RoomsInBl 0 0 cfm	0 00 %	0 00	0 60	1	1

TEMPERATURES

Programable Thermostat Y				Ceiling Fans											
Cooling	<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 checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" 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 checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec			
Venting	<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 checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec			
Thermostat Schedule	HERS 2006 Reference														
Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12			
Cooling (WD)	AM PM	78 80	78 80	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78			
Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78			
Heating (WD)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 66	68 66			
Heating (WEH)	AM PM	66 68	66 68	66 68	66 68	66 68	68 68	68 68	68 68	68 68	68 66	68 66			

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS: LC, FL, 32055-	PERMIT #:
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MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces gasketed doors & outdoor combustion air Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load	
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503 2.7.2 of this code.	
	403 3.3	Building framing cavities shall not be used as supply ducts	
Water heaters	403 4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4 3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch	
Mechanical ventilation	403 5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403 9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13) Heat pump pool heaters minimum COP= 4 0	
Cooling/heating equipment	403 6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

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

, LC, FL, 32055-

1 New construction or existing	New (From Plans)		9 Wall Types	Insulation	Area
2 Single family or multiple family	Single-family		a Frame - Wood, Exterior	R=13 0	2563 30 ft ²
3 Number of units, if multiple family	1		b N/A	R=	ft ²
4 Number of Bedrooms	3		c N/A	R=	ft ²
5 Is this a worst case?	No		d N/A	R=	ft ²
6 Conditioned floor area (ft ²)	2470		10 Ceiling Types	Insulation	Area
7 Windows**	Description	Area	a Under Attic (Vented)	R=30 0	2717 00 ft ²
a U-Factor	Dbl, U=0 30	304 83 ft ²	b N/A	R=	ft ²
SHGC	SHGC=0 50		c N/A	R=	ft ²
b U-Factor	N/A	ft ²	11 Ducts		R ft ²
SHGC			a Sup Attic, Ret. Attic, AH- RoomsInBlock1	6	617 5
c U-Factor	N/A	ft ²	12 Cooling systems	kBtu/hr	Efficiency
SHGC			a Central Unit	46 5	SEER 16 00
d U-Factor	N/A	ft ²	13 Heating systems	kBtu/hr	Efficiency
SHGC			a Electric Heat Pump	46 5	HSPF 7 70
Area Weighted Average Overhang Depth	6.554 ft		14 Hot water systems	Cap 80 gallons	
Area Weighted Average SHGC	0 500		a Electric	EF 0 92	
8 Floor Types	Insulation	Area	b Conservation features		
a Slab-On-Grade Edge Insulation	R=5.0	2470 00 ft ²	None		
b N/A	R=	ft ²	15 Credits	Pstat	
c N/A	R=	ft ²			

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 EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303 1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT