## FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name Smith Residence Street. City, State, Zip LC , FL , 32055- Owner Mr & Mrs Smith Design Location FL, Gainesville	Builder Name S & S Construction, LLC Permit Office Columbia County Permit Number  Jurisdiction
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) 7 Conditioned floor area below grade (ft²) 6 Conditioned floor area below grade (ft²) 7 Windows(304 8 sqft) 8 SHGC 9 SHGC=0 50 9 U-Factor SHGC SHGC=0 50 9 U-Factor N/A SHGC C. U-Factor N/A SHGC C U-Factor N/A SHGC Area Weighted Average Overhang Depth Area Weighted Average SHGC.  8 Floor Types (2470 0 sqft.) 9 Insulation 10 R= 16² 10 R= 16² 10 R= 16² 11 New (From Plans) 11 New (From Plans) 12 Single-family 11 New (From Plans) 13 Number of units, if multiple family 14 Number of units, if multiple family 15 New (From Plans) 16 Single-family 16 Sin	9 Wall Types (2563 3 sqft ) Insulation Area a Frame - Wood, Exterior R=13 0 2563 30 ft² b N/A R= ft² c. N/A R= ft² d N/A R= ft² 10 Ceiling Types (2717 0 sqft ) Insulation Area a Under Attic (Vented) R=30 0 2717 00 ft² b N/A R= ft² c. N/A R= ft² 11 Ducts R ft² 11 Ducts R ft² a Sup Attic, Ret. Attic, AH RoomsInBlock1 6 617 5  12 Cooling systems kBtu/hr Efficiency a Central Unit 46 5 SEER 16 00  13 Heating systems kBtu/hr Efficiency a Electric Heat Pump 46 5 HSPF 7 70  14 Hot water systems a Electric Cap 80 gallons EF 0 920 b Conservation features None 15 Credits Pstat
Glass/Floor Area: 0.123 Total Proposed Modified Total Standard Reference	
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:  - Compliance requires completion of a Florida Air Barrier	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:

			F	PROJECT	·						
Title Building Type Owner; # of Units Builder Name Permit Office Jurisdiction Family Type New/Existing Comment:	Mr & Mrs Smith  1 e S & S Construc Columbia Cour Single-family	tion, LLC oty	Bedrooms Conditioned / Total Stories Worst Case Rotate Angle Cross Ventila Whole House	1 No 0 ation. No			Address T Lot # Block/Subl PlatBook Street County City, State	Division ( , Zip l	Street Ad Columbia .C , TL , 3:	dress	
				CLIMATE		india) yipi saradi yibi yang amada dahay dan 199					
	esign Location	TMY Site	IECC Zone	Design 97 5 % 32	Temp 2 5 % 92	Int Desig Winter 70		Heating Degree Da		ture	ily Temp Range Medium
r	L, Gainesville	FL_GAINESVILLE			92	70	70	1305 5	5	 	wealum
				BLOCKS							
Number	Name	Area	Volume		<del>, , , , , , , , , , , , , , , , , , , </del>						
1	Block1	2470	24700								
				SPACES							
Number	Name	Area		chen Occi	upants	Bedrooms	Infil ID			ooled	Heated
1	RoomsInBlock1	2470		es es	3	3	1	Yes	Y	es	Yes
				FLOORS					والمساولية والمتاريخ		
<b>/</b> #	Floor Type	Space	Perime			Area				Wood	
18	Slab-On-Grade Edge	Insulatio Rooms	inBlock1 274 ft	5		2470 ft <sup>2</sup>			0	0	1
				ROOF							
<b>/</b> #	Туре	Materials	Roof Area	Gable Area	Roof Color	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	Pitch (deg)
1	Gable or shed	Composition shing	les 3215 ft²	1028 ft²	Medium	0 96	No	0 9	No	0	39 8
ATTIC											
<b>/</b> #	Туре	Ventil	ation \	/ent Ratio (1 i	n)	Area	RBS	IRCC			
1	Full attic	Ven	ted	303	:	2470 ft²	N	N			- the state of the
				CEILING							
<b>V</b> #	Ceiling Type		Space	R-Value	Α	rea	Framing	Frac	Tr	uss Typ	e
1	Under Attic (Ve	ented) F	RoomsInBlock1	30	27	17 ft²	0 11	1		Wood	

							WA	LLS							
$\checkmark$	# Ornt		Adjace	Wall_		Space	Cavity R-Value		lnl	Height Et In	Area	Sheathing R-Value	_Fraction_	Solar —Absor	Grade9
	_1 E		xterior		ne - Wood	RoomsInB		80	4 1		803 3333		0 23	0.75	0
	_2 N		xterior		ne - Wood	RoomsInB		47	8 1		476.6666		0.23	0.75	0
	_3 W		xterior		ne - Wood	RoomsinB		80	4 1		803 3333		0 23	0 75	0
······································	_4 S	E	xterior	Frar	ne - Wood	RoomsInB	loc 13	48	1	0	480 ft²		0,23	0 75	0
		e de la companion					DO	ORS						and the second	
$\sqrt{}$	#		Ornt		Door Type	Space			Storms	U-Valu	ie Ft	Width In	Heigh Ft	t In	Area
	_ 1		E		Insulated	RoomsInBlo	c		None	0 4600	00 3		6	8	20 ft²
	_ 2		S		Insulated	RoomsInBlo	c		None	0.4600	00 3		6	8	20 ft <sup>2</sup>
					0	rientation sho		DOWS		l orientation	1				
/			Wall						Тороссо		The residence of the latest designation of t	hang			
V	#	Ornt	ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Depth	Separation	Int Sh	ade	Screenin
	_ 1	Ε	1	Metal	Double (Clear)	Yes	03	0 5	N	30 ft²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
	_ 2	E	1	Metal	Double (Clear)	Yes	03	0 5	N	60 ft <sup>2</sup>	10 ft 0 in	1 ft 6 in	HERS 2	2006	None
	_ 3	E	1	Metal	Double (Clear)	Yes	03	0 5	N	13 33333	10 ft 0 in	3 ft 0 in	HERS 2	2006	None
	_ 4	Е	1	Metal	Double (Clear)	Yes	03	0 5	N	6 ft²	1 ft 6 in	1 ft 6 in	HERS 2	2006	None
	_ 5	N	2	Metal	Double (Clear)	Yes	03	05	N	30 ft²	1 ft 0 in	8 ft 0 in	HERS 2	2006	None
	_ 6	W	3	Metal	Double (Clear)	Yes	03	05	N	30 ft²	1 ft 6 in	1 ft 6 in	HERS :	2006	None
	_ 7	W	3	Metal	Double (Clear)	Yes	03	05	N	45 ft²	9 ft 0 in	1 ft 6 in	HERS 2	2006	None
	_ 8	W	3	Metal	Double (Clear)	Yes	03	05	N	80 ft²	9 ft 0 in	1 ft 6 in	HERS :	2006	None
	9	s	4	Metal	Double (Clear)	Yes	03	0 5	N	4 5 ft²	1 ft 0 in	8 ft 0 in	HERS :	2006	None
	_ 10	s	4	Metal	Double (Clear)	Yes	03	0 5	N	6 ft²	1 ft 0 in	8 ft 0 in	HERS :	2006	None
							INFILT	RATIC	N						
	Scope		M	lethod		SLA (	CFM 50	ELA	E	:qLA	ACH	AC	H 50		
1	BySpaces	3	Propo	sed SL	A 00	000360	2332 3	128 04	24	10 80	0.2771	5 6	6657		
				740A048			HEATIN	G SYS	TEM						
$\sqrt{}$	#	Sy	stem T	уре	9	Subtype			Efficienc	y	Capacity			Block	Ducts
	_ 1	Ele	ectric H	leat Pur	mp A	lone			HSPF 7	7 46	5 kBtu/hr			1	sys#1
							COOLIN	G SYS	TEM						
$\bigvee$	#	Sy	stem T	уре	S	Subtype			Efficiency	/ Capac	ity A	ir Flow	SHR	Block	Ducts
	1	Ce	ntral U	nit		lone			SEED 16	3 46 5 kB	hu/hr 12	95 cfm	0 75	1	sys#1

HOT WATER SYSTEM														
$\checkmark$	#	System Type	SubType	Location	n EF	C	ар	Use	SetPnt		Co	nservatio	n	
**************************************	1	Electric	None	Roomsi	nBlock1092	80	gal	60 gal	120 deg			None		
				S	OLAR HO	T WATER	RSYSTE	:M						
$\checkmark$	FSEC Cert #	Commony N			Cuntous	المام المام المام	0.	ollector Mode		ollector	Stor	_		
		Company Na	ATTIE		System	Model #		Director Mode	∌I #	Area	Volu	ıme	FEF	
	None	None								ft²				
	DUCTS													
$\checkmark$	#	Supp Location R-	oly Value Area	F Locatio	Return on Area	Leaka	ge Type	Air Handle	r CFM 25	Percer Leakaç		RLF	HV. Heat	AC # Cool
	1	Attic	6 6175 f	t Attic	123 5 f	t DSE	=0 88	Roomslr	BI 0 0 cfm	0 00 9	% 00	0 0 60	1	1
					TEM	PERATU	RES							
Programa	able The	rmostat Y			Ceiling Fan	S	<u> </u>	ad nghan (handra nghang dhi Mang) sakan (nas)						
Cooling Heating Venting	[X] Jai [X] Jai [X] Jai	n [X] Feb n [X] Feb n [X] Feb	[X] Mar [X] Mar [X] Mar	[X] Apr [X] Apr [X] Apr	[X] May [X] May [X] May	[X] Jun [X] Jun [X] Jun	[X] Jul [X] Jul [X] Jul	[X] Aug [X] Aug [X] Aug	X Se X Se X Se	)   X   X   X	Oct Oct Oct	[X] Nov [X] Nov [X] Nov	XXX	Dec Dec Dec
Thermostat		le HERS 200	6 Reference					ours				3187011		V. * 14**** .4
Schedule 1	Гуре		. 1	2 3	4	5	6	7	8	9	10	11		12
Coaling (W	(D)	AM PM	78 80	78 78 80 78	78 78	78 78	78 78	78 78	78 78	80 78	80 78	80 78		80 78
Cooling (W	EH)	AM PM	78 78	78 78 78 78	3 78 3 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78		78 78
Heating (W	/D)	AM PM	66 68	66 66 68 68	66 68	66 68	68 68	68 68	68 68	68 68	68 68	68 66	(	68 66
Heating (W	ÆH)	AM PM	66 68	66 66 68 66	66 68 68	66 68	68 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 <sup>.</sup>	PERMIT #:
LC, FL, 32055-	

### 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 passagewaysfor 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-

2 3	New construction or existing Single family or multiple family Number of units, if multiple family		New (From Plans) Single-family 1 3		9	Wall Types a Frame - Wood, Exterior b N/A c. N/A d N/A	Insulation R=13 0 R= R= R=	Area 2563 30 ft² ft² ft² ft²
5	Number of Bedrooms Is this a worst case? Conditioned floor area (ft²	·)	3 No 2470		10	Ceillng Types a Under Attic (Vented) b N/A	Insulation R=30 0 R=	Area 2717 00 ft² ft²
7	Windows** a. U-Factor SHGC b. U-Factor	Description Dbl, U=0 30 SHGC=0 50 N/A		Area 304 83 ft² ft²	11	c N/A Ducts a Sup Attic, Ret Attic, AH RoomsInE	R= Block1	ft² R ft² 6 617 5
	b U-Factor SHGC c U-Factor SHGC.	N/A		ft²	12	2 Cooling systems a Central Unit	kBtu/hr 46 5	Efficiency SEER 16 00
	d U-Factor SHGC Area Weighted Average CArea Weighted Average S	• •		ft² 6 554 ft 0.500	18	Heating systems     a Electric Heat Pump	kBtu/hr 46 5	Efficiency 6 HSPF 7 70
8	Floor Types a Slab-On-Grade Edge In b N/A c N/A	nsulation	Insulation R=5 0 R= R=	Area 2470 00 ft² ft² ft²		Hot water systems     a Electric     Conservationfeatures     None	Ca	ap 80 gallons EF 0 92
					18	5 Credits		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.	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.