FORM R405-2017

## FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: McGriff Residence Street: City, State, Zip: , FL , Owner: Design Location: FL, Gainesville	Builder Name: Stanley Crawford Const Permit Office: Permit Number: Jurisdiction: County: columbia (Florida Climate Zone 2)
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) Conditioned floor area below grade (ft²) 7. Windows(175.0 sqft.) Description a. U-Factor: Dbl, U=0.33 175.00 ft² SHGC: SHGC=0.22 b. U-Factor: N/A ft² SHGC: c. U-Factor: N/A ft² SHGC: d. U-Factor: N/A ft² SHGC: Area Weighted Average Overhang Depth: 5.614 ft. Area Weighted Average SHGC: 0.220 8. Floor Types (1670.0 sqft.) Insulation Area a. Slab-On-Grade Edge Insulation R=0.0 1670.00 ft² b. N/A R= ft² C. N/A R= ft²  Total Proposed Modified Total Baseline	PA33
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:  J J J J J J J J J J J J J J J J J J J	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 5.00 ACH50 (R402.4.1.2).

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FORM R405-2017 INPUT SUMMARY CHECKLIST REPORT

	11405-21			OWNAK	PROJE								
Owne # of U Builde Perm Juriso Famil	ing Type: er Name: Units: er Name: nit Office: diction: ly Type: Existing:	McGriff Resid User  1 Stanley Crawl Single-family New (From Pl	ford Const	Bedrooms Condition Total Stor Worst Cas Rotate An Cross Ver Whole Ho	ed Area: ies: se: gle: ntilation:	3 1951 1 No 0		Lot # Block PlatE Stree Cour	k/Subdivi Book: et:	sion:	treet Addre	SS	
					CLIMA	ΓE							
$\checkmark$	Des	ign Location	TMY Site		De 97.5	sign Temp 5 % 2.5 %		esign Tem er Summ		leating ree Days	Design Moisture		Temp nge
	. FL,	Gainesville	FL_GAINESVILLE	E_REGI	33	2 92	70	75	1	305.5	51	Me	edium
					BLOCK	(S							
Nur	mber	Name	Area	Volume									
1		Block1	1670	15030						VIII -			-
	2 315-94	99			SPACE	S							
Nur	mber	Name	Area	Volume		Occupants	Bedroo	ms Ir	nfil ID	Finished	l Cool	ed	Heate
1		Main	1670	15030	Yes	6	3	1		Yes	Yes		Yes
					FLOOR	rs .							
	#	Floor Type	Space			R-Value	Area					od Ca	
	. 1 Sla	b-On-Grade Edge	e Insulatio M	lain 176	5 ft	0	1670 ft²				0.33 0.3	3 0.	34
					ROOF								
$\checkmark$	#	Туре	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 shing	gles 1868 ft	418 ft²	Medium	N	0.85	No	0.9	No	0	26.6
					ATTIC								
$\checkmark$	#	Туре	Ventil	ation	Vent Ratio	(1 in)	Area	RBS	IRO	cc			
	. 1	Full attic	Ven	ted	300	1	670 ft²	N	١	١			
		as we have			CEILIN	G		W-1-01-01-01-01-01-01-01-01-01-01-01-01-0					
$\vee$	#	Ceiling Type		Space	R-Value	Ins Ty	ре	Area	Fram	ning Frac	Truss	Гуре	
	1	Under Attic (Ve	ented)	Main	30	Blown		1670 ft²		0.11	Woo	od	

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							W	ALLS							
V	# (	Ornt	Adjace To	ent Wall	LType	Spac	Cavity e R-Value	Wic	dth In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
	1	N	Exterior	Fra	me - Wood	Main	13	32	10	9	295.5 ft <sup>2</sup>		0.23	0.75	0
	2	E	Exterior	Fra	me - Wood	Main	13	7	10	9	70.5 ft <sup>2</sup>	0.625	0.23	0.75	0
	3	N	Exterior	Fra	me - Wood	Main	13	21	6	9	193.5 ft <sup>2</sup>	0.625	0.23	0.75	0
	4	E i	Exterior	Fra	me - Wood	Main	13	26		9	234.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	5	S	Exterior	Fra	me - Wood	Main	13	11	8	9	105.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	6	S	Exterior	Fra	me - Wood	Main	13	31		10	310.0 ft <sup>2</sup>	0.625	0.23	0.75	0
	7	S	Exterior	Fra	me - Wood	Main	13	11	8	9	105.0 ft <sup>2</sup>	0.625	0.23	0.75	0
_	. 8	W I	Exterior	Fra	me - Wood	Main	13	33	10	9	304.5 ft <sup>2</sup>	0.625	0.23	0.75	0
							DO	ORS	No.						
V		#	Ornt		Door Type	Space			Storms	U-V	alue F	Width t In	Height Ft Ir		Area
-		1	N		Insulated	Main			None	1	4 3		8		24 ft²
		2	N		Wood	Main			None		6 3		8		24 ft²
	_	3	s		Insulated	Main			None		4 3		8		24 ft²
						Orientation sh		DOWS ntered, I		d orientat	on.				Appendix
<b>V</b>	#	Orn	Wall t ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Area		rhang Separation	Int Shad	е 5	Screening
	1	N	1	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	15.0 f	t <sup>2</sup> 13 ft 6 in	1 ft 4 in	None		None
	_ 2	Ν	1	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	9.0 ft	13 ft 6 in	1 ft 4 in	None		None
	_ 3	E	4	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	16.0 f	1 1 ft 6 in	1 ft 4 in	None		None
	_ 4	S	5	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 f	t <sup>2</sup> 1 ft 6 in	1 ft 4 in	None		None
	_ 5	S	6	Vinyl	Low-E Double	Yes	0.33	0.22	Ν	72.0 f	t <sup>2</sup> 7 ft 6 in	1 ft 4 in	None		None
	_ 6	S	7	Vinyl	Low-E Double	Yes	0.33	0.22	N	15.0 f	2 1 ft 6 in	1 ft 4 in	None		None
	_ 7	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	30.0 f	2 1 ft 6 in	1 ft 4 in	None		None
	_ 8	W	8	Vinyl	Low-E Double	Yes	0.33	0.22	N	3.0 ft	1 ft 6 in	1 ft 4 in	None		None
							INFILT	RATIC	N						
#	Scop	oe .	M	lethod		SLA	CFM 50	ELA	1	EqLA	ACH	ACH	1 50		
1 \	Wholeh	ouse	Propo	sed AC	H(50) .0	000286	1252.5	68.76	1	29.31	.1128	5	j		
1 A							HEATING	SYS	TEM						
1 1				√ # System Type Subtype											
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		# Sy	/stem T	уре		Subtype	Speed		Efficien	су	Capacity		Blo	ck	Ducts

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		Million - V			COO	LING SYS	STEM							
$\vee$	# 5	System Type		Subtype	Sul	otype	Efficiency	Capacity	Air F	low	SHR	Block	Duc	ts
	1 (	Central Unit/		None	Sir	ngl	SEER: 15	30 kBtu/hr	900	cfm	0.85	1	sys	#1
					HOT W	ATER S	STEM							
$\sqrt{}$	#	System Type	SubType	Locatio	n EF	С	ар	Use	SetPnt		Co	nservatio	n	
	1	Propane	None	Exterior	0.59	40	gal	60 gal	120 deg			None		
				S	OLAR HO	T WATE	RSYST	EM						
$\checkmark$	FSEC Cert #	Company I	Name		System	Model #	C	ollector Mode		llector Area	Stor		FEF	
	None	None								ft²				
						DUCTS								
$\checkmark$	#		oply R-Value Area	F Locatio	Return on Area	Leaka	ge Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVA Heat	
	1	Attic	6 334 ft <sup>2</sup>	Attic	83.5 ft²	Default	Leakage	Main	(Default)	(Defaul	t)		1	1
					TEM	PERATU	RES							
Program	able The	ermostat: Y			Ceiling Fan	s:								
Cooling Heating Venting	X) Ja	n []Feb in [X]Feb in []Feb	[ ] Mar [X] Mar [X] Mar	Apr Apr Apr	[ ] May [ ] May [ ] May	[X] Jun [ ] Jun [ ] Jun	[X] Jul   Jul   Jul	[X] Aug Aug Aug	[X] Sep [ ] Sep [ ] Sep	[X]	Oct Oct Oct	X Nov X Nov X Nov		ec
Thermosta Schedule T		ule: HERS 20	006 Reference 1	2 3	4	5	6	ours 7	8	9	10	11	12	!
Cooling (W	/D)	AM PM	78 80	78 78 80 78	3 78 3 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		78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	
leating (W	VD)	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	
leating (W	VEH)	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	
						MASS								
Ма	iss Type			Area		Thickness		Furniture Fra	ction	S	pace			
De	fault(8 lb	os/sq.ft.		0 ft²		0 ft		0.3			Main			

## **ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD**

## **ESTIMATED ENERGY PERFORMANCE INDEX\* = 100**

The lower the Energy Performance Index, the more efficient the home.

1. New home or, addition	1. New (From Plans)	12. Ducts, location & insulation level								
2. Single-family or multiple-family	2. Single-family	a) Supply ducts R 6.0 b) Return ducts R 6.0 c) AHU location Main								
3. No. of units (if multiple-family)	31_	c) AHU location Main								
4. Number of bedrooms	43	13. Cooling system: Capacity 30.0 a) Split system SEER								
5. Is this a worst case? (yes/no)	5No	b) Single package SEER c) Ground/water source SEER/COP								
6. Conditioned floor area (sq. ft.)	61670	d) Room unit/PTAC EER								
<ul><li>7. Windows, type and area</li><li>a) U-factor:(weighted average)</li><li>b) Solar Heat Gain Coefficient (SHGC)</li><li>c) Area</li></ul>	7a. 0.330 7b. 0.220 7c. 175.0	14. Heating system: Capacity 30.0 a) Split system heat pump HSPF b) Single package heat pump HSPF								
Skylights     a) U-factor:(weighted average)     b) Solar Heat Gain Coefficient (SHGC)	8a. <u>NA</u> 8b. <u>NA</u>	c) Electric resistance COP d) Gas furnace, natural gas AFUE e) Gas furnace, LPG AFUE f) Other 8.50								
<ul> <li>9. Floor type, insulation level:</li> <li>a) Slab-on-grade (R-value)</li> <li>b) Wood, raised (R-value)</li> <li>c) Concrete, raised (R-value)</li> </ul>	9a0.0 9b 9c	15. Water heating system  a) Electric resistance EF  b) Gas fired, natural gas EF								
10. Wall type and insulation: A. Exterior: 1. Wood frame (Insulation R-value) 2. Masonry (Insulation R-value) B. Adjacent: 1. Wood frame (Insulation R-value)	10A113.0 10A2 10B1	c) Gas fired, LPG								
Masonry (Insulation R-value)     Ceiling type and insulation level     a) Under attic     b) Single assembly     c) Knee walls/skylight walls     d) Radiant barrier installed	10B2 11a30.0 11b 11c 11dNo	16. HVAC credits claimed (Performance Method) a) Ceiling fans b) Cross ventilation c) Whole house fan d) Multizone cooling credit e) Multizone heating credit f) Programmable thermostat  Method No No Yes								
*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.										
I certify that this home has complied with the Florida Building Code, Energy Conservation, 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: Harley Charge	(	Date: 11 36 / 2020								
Address of New Home: 1558 SE C	R349	City/FL Zip:, FL								