

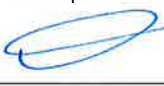
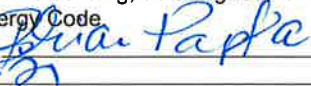
FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Gonzalez Residence Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville		Builder Name: Permit Office: Permit Number: Jurisdiction: County: Columbia(Florida Climate Zone 2)	
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<table style="width: 100%;"> <tr> <td>1. New construction or existing</td> <td>New (From Plans)</td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Detached</td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>4</td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>3199</td> </tr> <tr> <td>Conditioned floor area below grade (ft²)</td> <td>0</td> </tr> <tr> <td>7. Windows(316.0 sqft.)</td> <td>Description Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.26 316.00 ft²</td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.20</td> </tr> <tr> <td>b. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>c. U-Factor:</td> <td>N/A ft²</td> </tr> <tr> <td>SHGC:</td> <td></td> </tr> <tr> <td>Area Weighted Average Overhang Depth:</td> <td>4.551 ft</td> </tr> <tr> <td>Area Weighted Average SHGC:</td> <td>0.200</td> </tr> <tr> <td>8. Skylights</td> <td>Description Area</td> </tr> <tr> <td>U-Factor:(AVG)</td> <td>N/A N/A ft²</td> </tr> <tr> <td>SHGC(AVG):</td> <td>N/A</td> </tr> <tr> <td>9. Floor Types</td> <td>Insulation Area</td> </tr> <tr> <td>a. Slab-On-Grade Edge Insulation</td> <td>R= 0.0 2754.00 ft²</td> </tr> <tr> <td>b. Floor over Garage</td> <td>R= 30.0 445.00 ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> </table>	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	4	5. Is this a worst case?	No	6. Conditioned floor area above grade (ft ²)	3199	Conditioned floor area below grade (ft ²)	0	7. Windows(316.0 sqft.)	Description Area	a. U-Factor:	Dbl, U=0.26 316.00 ft ²	SHGC:	SHGC=0.20	b. U-Factor:	N/A ft ²	SHGC:		c. U-Factor:	N/A ft ²	SHGC:		Area Weighted Average Overhang Depth:	4.551 ft	Area Weighted Average SHGC:	0.200	8. Skylights	Description Area	U-Factor:(AVG)	N/A N/A ft ²	SHGC(AVG):	N/A	9. Floor Types	Insulation Area	a. Slab-On-Grade Edge Insulation	R= 0.0 2754.00 ft ²	b. Floor over Garage	R= 30.0 445.00 ft ²	c. N/A	R= ft ²	<table style="width: 100%;"> <tr> <td>10. Wall Types(2910.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Frame - Wood, Exterior</td> <td>R=19.0 2663.30 ft²</td> </tr> <tr> <td>b. Frame - Wood, Adjacent</td> <td>R=13.0 246.67 ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> <tr> <td>d. N/A</td> <td>R= ft²</td> </tr> <tr> <td>11. Ceiling Types(3199.0 sqft.)</td> <td>Insulation Area</td> </tr> <tr> <td>a. Cathedral/Single Assembly (Vented)</td> <td>R=30.0 3199.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td>R= ft²</td> </tr> <tr> <td>c. N/A</td> <td>R= ft²</td> </tr> <tr> <td>12. Ducts, location & insulation level</td> <td>R ft²</td> </tr> <tr> <td>a. a. Sup: Attic; Ret: Attic, AH: Garage</td> <td>6 639.8</td> </tr> <tr> <td>b.</td> <td></td> </tr> <tr> <td>c.</td> <td></td> </tr> <tr> <td>13. Cooling Systems</td> <td>kBtu/hr Efficiency</td> </tr> <tr> <td>a. Central Unit</td> <td>48.0 SEER:15.00</td> </tr> <tr> <td>14. Heating Systems</td> <td>kBtu/hr Efficiency</td> </tr> <tr> <td>a. Electric Heat Pump</td> <td>48.0 HSPF:8.50</td> </tr> <tr> <td>15. Hot Water Systems</td> <td></td> </tr> <tr> <td>a. Propane Tankless</td> <td>Cap: 1 gallons EF: 0.590</td> </tr> <tr> <td>b. Conservation features</td> <td></td> </tr> <tr> <td>16. Credits</td> <td>None CF, Pstat</td> </tr> </table>	10. Wall Types(2910.0 sqft.)	Insulation Area	a. Frame - Wood, Exterior	R=19.0 2663.30 ft ²	b. Frame - Wood, Adjacent	R=13.0 246.67 ft ²	c. N/A	R= ft ²	d. N/A	R= ft ²	11. Ceiling Types(3199.0 sqft.)	Insulation Area	a. Cathedral/Single Assembly (Vented)	R=30.0 3199.00 ft ²	b. N/A	R= ft ²	c. N/A	R= ft ²	12. Ducts, location & insulation level	R ft ²	a. a. Sup: Attic; Ret: Attic, AH: Garage	6 639.8	b.		c.		13. Cooling Systems	kBtu/hr Efficiency	a. Central Unit	48.0 SEER:15.00	14. Heating Systems	kBtu/hr Efficiency	a. Electric Heat Pump	48.0 HSPF:8.50	15. Hot Water Systems		a. Propane Tankless	Cap: 1 gallons EF: 0.590	b. Conservation features		16. Credits	None CF, Pstat
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Glass/Floor Area: 0.099	Total Proposed Modified Loads: 76.53	PASS
	Total Baseline Loads: 79.05	

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code. PREPARED BY:  DATE: 12.7.21 I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT:  DATE: 12.7.21	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: _____
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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 with a proposed duct leakage Qn requires a PERFORMANCE Duct Leakage Test Report confirming duct leakage to outdoors, tested in accordance with ANSI/RESNET/ICC 380, is not greater than 0.000 Qn for whole house.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and this project requires a PERFORMANCE envelope leakage test report with envelope leakage no greater than 5.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

WALLS (Total Exposed Area = 2910 sq.ft.)															
✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area sq.ft.	U-Factor	Sheath R-Value	Frm. Frac.	Solar Absor.	Below Grade
___ 1	E	Exterior	Frame - Wood	Main	19.0	7.0	8	10.0	0	76.7	0.067	0.625	0.23	0.75	0 %
___ 2	N	Exterior	Frame - Wood	Main	19.0	30.0	6	10.0	0	305.0	0.067	0.625	0.23	0.75	0 %
___ 3	W	Exterior	Frame - Wood	Main	19.0	14.0	10	10.0	0	148.3	0.067	0.625	0.23	0.75	0 %
___ 4	N	Exterior	Frame - Wood	Main	19.0	16.0	0	10.0	0	160.0	0.067	0.625	0.23	0.75	0 %
___ 5	E	Exterior	Frame - Wood	Main	19.0	16.0	10	10.0	0	168.3	0.067	0.625	0.23	0.75	0 %
___ 6	N	Exterior	Frame - Wood	Main	19.0	2.0	0	10.0	0	20.0	0.067	0.625	0.23	0.75	0 %
___ 7	E	Exterior	Frame - Wood	Main	19.0	13.0	4	10.0	0	133.3	0.067	0.625	0.23	0.75	0 %
___ 8	N	Exterior	Frame - Wood	Main	19.0	6.0	2	10.0	0	61.7	0.067	0.625	0.23	0.75	0 %
___ 9	E	Exterior	Frame - Wood	Main	19.0	19.0	6	10.0	0	195.0	0.067	0.625	0.23	0.75	0 %
___ 10	S	Exterior	Frame - Wood	Main	19.0	13.0	8	10.0	0	136.7	0.067	0.625	0.23	0.75	0 %
___ 11	W	Exterior	Frame - Wood	Main	19.0	9.0	0	10.0	0	90.0	0.067	0.625	0.23	0.75	0 %
___ 12	S	Exterior	Frame - Wood	Main	19.0	9.0	10	10.0	0	98.3	0.067	0.625	0.23	0.75	0 %
___ 13	E	Exterior	Frame - Wood	Main	19.0	3.0	0	10.0	0	30.0	0.067	0.625	0.23	0.75	0 %
___ 14	S	Exterior	Frame - Wood	Main	19.0	31.0	8	10.0	0	316.7	0.067	0.625	0.23	0.75	0 %
___ 15	W	Exterior	Frame - Wood	Main	19.0	3.0	0	10.0	0	30.0	0.067	0.625	0.23	0.75	0 %
___ 16	S	Exterior	Frame - Wood	Main	19.0	9.0	0	10.0	0	90.0	0.067	0.625	0.23	0.75	0 %
___ 17	E	Exterior	Frame - Wood	Main	19.0	3.0	0	10.0	0	30.0	0.067	0.625	0.23	0.75	0 %
___ 18	S	Exterior	Frame - Wood	Main	19.0	15.0	2	10.0	0	151.7	0.067	0.625	0.23	0.75	0 %
___ 19	W	Exterior	Frame - Wood	Main	19.0	19.0	2	10.0	0	191.7	0.067	0.625	0.23	0.75	0 %
___ 20	S	Exterior	Frame - Wood	Main	19.0	4.0	0	10.0	0	40.0	0.067	0.625	0.23	0.75	0 %
___ 21	W	Exterior	Frame - Wood	Main	19.0	15.0	0	10.0	0	150.0	0.067	0.625	0.23	0.75	0 %
___ 22	N	Exterior	Frame - Wood	Main	19.0	4.0	0	10.0	0	40.0	0.067	0.625	0.23	0.75	0 %
___ 23	N	Garage	Frame - Wood	Main	13.0	24.0	8	10.0	0	246.7	0.094		0.23	0.75	0 %

DOORS (Total Exposed Area = 205 sq.ft.)											
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
___ 1	E	Exterior	Insulated	Main	None	0.40	2.00	8	8.00	0	21.3ft²
___ 2	N	Exterior	Insulated	Main	None	0.40	14.00	0	8.00	0	112.0ft²
___ 3	S	Exterior	Insulated	Main	None	0.40	6.00	0	8.00	0	48.0ft²
___ 4	N	Garage	Insulated	Main	None	0.40	3.00	0	8.00	0	24.0ft²

WINDOWS (Total Exposed Area = 316 sq.ft.)														
✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Imp	Storm	Area	-----Overhang----- Depth	Separation	Interior Shade	Screening
___ 1	N	2	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	8.0ft²	16.0 ft 6 in	2.0 ft 4 in	None	None
___ 2	N	2	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	16.0ft²	16.0 ft 6 in	2.0 ft 4 in	None	None
___ 3	N	4	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	18.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None
___ 4	E	5	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	4.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None
___ 5	E	7	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	36.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None
___ 6	S	10	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	36.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None
___ 7	S	12	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	8.0ft²	5.0 ft 6 in	2.0 ft 4 in	None	None
___ 8	S	14	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	90.0ft²	7.0 ft 6 in	2.0 ft 4 in	None	None
___ 9	S	16	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	8.0ft²	5.0 ft 6 in	2.0 ft 4 in	None	None
___ 10	S	18	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	36.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None
___ 11	W	19	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	36.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None
___ 12	W	21	Vinyl	Low-E Double	Yes	0.26	0.20	N	N	20.0ft²	1.0 ft 6 in	2.0 ft 4 in	None	None

INFILTRATION									
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)
___ 1	Wholehouse	Proposed ACH(50)	0.00032	2666	146.26	274.58	0.1071	5.0	All

INPUT SUMMARY CHECKLIST REPORT

GARAGE													
✓ #	Floor Area	Roof Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation								
1	806 ft²	806 ft²	94 ft	9 ft	1								
MASS													
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space								
1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	Main								
HEATING SYSTEM													
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal Entry	HeatPump Power	-----	Ducts Volt	Block Current			
1	Electric Heat Pump	None/Single		HSPF: 8.50	48.0		0.00	0.00	0.00	sys#1	1		
COOLING SYSTEM													
✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block				
1	Central Unit	None/Single		SEER:15.0	48.0	1440	0.85	sys#1	1				
HOT WATER SYSTEM													
✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length			
1	Propane	Tankless	Exterior	0.59 (0.59)	1.00 gal	70 gal	120 deg	Standard	None	99			
	Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits			
1	No		NA	NA	NA	No	NA	NA	NA	None			
DUCTS													
✓ Duct #	Location	-----Supply----- R-Value Area	-----Return----- Location R-Value Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat Cool			
1	Attic	6.0 640 ft²	Attic 6.0 160 ft²	Default Leakage	Garage	(Default)	(Default)			1 1			
TEMPERATURES													
Programable Thermostat: Y 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 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	80 78	80 78	80 78
	Cooling (WEH)	AM 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	78 80	80 78	80 78	80 78

INPUT SUMMARY CHECKLIST REPORT

TEMPERATURES(Continued)													
___ 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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 97

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

„FL,

1. New construction or existing	New (From Plans)	10. Wall Types(2910.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=19.0	2663.30 ft ²
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=13.0	246.67 ft ²
4. Number of Bedrooms	4	c. N/A	R=	ft ²
5. Is this a worst case?	No	d. N/A	R=	ft ²
6. Conditioned floor area above grade (ft ²)	3199	11. Ceiling Types(3199.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)	0	a. Cathedral/Single Assembly (Vented)	R=30.0	3199.00 ft ²
7. Windows**	Description	b. N/A	R=	ft ²
a. U-Factor:	Dbl, U=0.26	c. N/A	R=	ft ²
SHGC:	SHGC=0.20	12. Ducts, location & insulation level	R	ft ²
b. U-Factor:	N/A	a. a. Sup: Attic, Ret: Attic, AH: Garage	6	639.8
SHGC:		b.		
c. U-Factor:	N/A	c.		
SHGC:		13. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average Overhang Depth:	4.551 ft	a. Central Unit	48.0	SEER:15.00
Area Weighted Average SHGC:	0.200	14. Heating Systems	kBtu/hr	Efficiency
8. Skylights	Description	a. Electric Heat Pump	48.0	HSPF:8.50
U-Factor:(AVG)	N/A	15. Hot Water Systems		
SHGC(AVG):	N/A	a. PropaneTankless	Cap: 1 gallons	
9. Floor Types	Insulation	b. Conservation features	EF: 0.590	
a. Slab-On-Grade Edge Insulation	R= 0.0			
b. Floor over Garage	R= 30.0			
c. N/A	R=			
	Area	16. Credits		None
	2754.00 ft ²			CF, Pstat
	445.00 ft ²			
	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: Bona Papka Date: 12/2/21

Address of New Home: _____ City/FL Zip: „FL,



*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.