

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

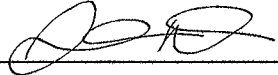
Florida Department of Business and Professional Regulation

Project Name Willis Office		Builder Name	
Street		Permit Office	
City, State, Zip , FL,		Permit Number	
Owner		Jurisdiction	
Design Location FL, Gainesville		County. Columbia(Florida Climate Zone 2)	

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Glass/Floor Area 0 139	Total Proposed Modified Loads 69.26	PASS
	Total Baseline Loads 104.47	

NOTE: Proposed residence must have annual total normalized Modified Loads that are less than or equal to 95 percent of the annual total loads of the standard reference design in order to comply.

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code PREPARED BY <u></u> DATE <u>3-2-26</u> 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. 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 0.030 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 6.00 ACH50 (R402.4.1.2).

INPUT SUMMARY CHECKLIST REPORT

PROJECT

Title	Willis Office	Bedrooms	0	Address type	Street Address
Building Type	User	Conditioned Area	5150	Lot #	---
Owner		Total Stories	1	Block/SubDivision	---
Builder Home ID		Worst Case	No	PlatBook.	---
Builder Name		Rotate Angle	0	Street	
Permit Office		Cross Ventilation		County	Columbia
Jurisdiction		Whole House Fan		City, State, Zip	FL,
Family Type	Detached	Terrain	Urban		
New/Existing	New (From Plans)	Shielding	Urban		
Year Construct	2026				
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_REGIONA	32	92	70	75	1305 5	51	Medium

BLOCKS

✓ Number	Name	Area	Volume
___ 1	Block1	5150	51500 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Business Areas	5150	51500	Yes	65		Yes	Yes	Yes

FLOORS

(Total Exposed Area = 5150 sq.ft.)

✓ #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim	U-Factor Joist	Slab Insul Vert/Horiz	Tile	Wood	Carpet
___ 1	Slab-On-Grade Edge Ins	Business Areas	310	5150 sqft	0.0	---	0.473	0 (ft)/0 (ft)	0 00	1 00 0 00

ROOF

✓ #	Type	Materials	Roof Area	Gable Area	Framing Fract.	Roof Color	Rad Barr	Solar Absor	SA Tested	Emitt	Emitt Tested	Deck Insul	Pitch (deg)
___ 1	Gable or shed	Metal	5962 ft²	1502 ft²	0 11	Dark	N	0 9	No	0 9	No	21	30 26

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	No attic	Unvented	0	5150 ft²	N	N

CEILING

(Total Exposed Area = 5150 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Single assembly, no airspace(Unvented)	Business Areas	21 0	Blown	5150 0ft²	0 025	0 11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS

(Total Exposed Area = 3355 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	N	Exterior	Frame - Wood	Business Areas	19 0	100 0 0	10 0 0	1000 0	0 061			0 23 0 75	0 0 %
___ 2	E	Exterior	Frame - Wood	Business Areas	19 0	50 0 0	10 0 0	500 0	0 061			0 23 0 75	0 0 %
___ 3	S	Exterior	Frame - Wood	Business Areas	19 0	35 0 0	10 0 0	350 0	0 061			0 23 0 75	0 0 %
___ 4	E	Exterior	Frame - Wood	Business Areas	19 0	5 0 0	10 0 0	50 0	0 061			0 23 0 75	0 0 %
___ 5	S	Exterior	Frame - Wood	Business Areas	19 0	30 0 0	18 0 6	555 0	0 061			0 23 0 75	0 0 %
___ 6	W	Exterior	Frame - Wood	Business Areas	19 0	5 0 0	10 0 0	50 0	0 061			0 23 0 75	0 0 %
___ 7	S	Exterior	Frame - Wood	Business Areas	19 0	35 0 0	10 0 0	350 0	0 061			0 23 0 75	0 0 %
___ 8	W	Exterior	Frame - Wood	Business Areas	19 0	50 0 0	10 0 0	500 0	0 061			0 23 0 75	0 0 %

DOORS

(Total Exposed Area = 108 sq.ft.)

✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
___ 1	E	Exterior	Insulated	Business Areas	None	0 46	3 00 0	6 00 8	20 0ft²
___ 2	E	Exterior	Insulated	Business Areas	None	0 46	3 00 0	6 00 8	20 0ft²
___ 3	S	Exterior	Insulated	Business Areas	None	0 46	6 00 0	8 00 0	48 0ft²
___ 4	W	Exterior	Insulated	Business Areas	None	0 46	3 00 0	6 00 8	20 0ft²

WINDOWS

(Total Exposed Area = 716 sq.ft.)

✓ #	Ornt	Wall ID	Frame	Panes	NFRC U-Factor	SHGC	Imp	Storm	Total Area (ft²)	Same Units	Width (ft)	Height (ft)	--Overhang-- Depth (ft) Sep (ft)	Interior Shade	Screen
___ 1	N	1	Vinyl	Low-E Double	Y 0 26	0 20	N	N	90 0	6	3 00	5 00	1 5 13	None	None
___ 2	E	2	Vinyl	Low-E Double	Y 0 26	0 20	N	N	30 0	2	2 50	6 00	1 5 13	None	None
___ 3	S	3	Vinyl	Low-E Double	Y 0 26	0 20	N	N	108 0	6	3 00	6 00	1 5 13	None	None
___ 4	S	5	Vinyl	Low-E Double	Y 0 26	0 20	N	N	65 1	1	5 50	11 83	1 5 13	None	None
___ 5	S	5	Vinyl	Low-E Double	Y 0 26	0 20	N	N	81 6	1	5 50	14 83	1 5 13	None	None
___ 6	S	5	Vinyl	Low-E Double	Y 0 26	0 20	N	N	57 0	1	6 00	9 50	1 5 13	None	None
___ 7	S	5	Vinyl	Low-E Double	Y 0 26	0 20	N	N	81 6	1	5 50	14 83	1 5 13	None	None
___ 8	S	5	Vinyl	Low-E Double	Y 0 26	0 20	N	N	65 1	1	5 50	11 83	1 5 13	None	None
___ 9	S	7	Vinyl	Low-E Double	Y 0 26	0 20	N	N	108 0	6	3 00	6 00	1 5 13	None	None
___ 10	W	8	Vinyl	Low-E Double	Y 0 26	0 20	N	N	15 0	1	3 00	5 00	1 5 13	None	None
___ 11	W	8	Vinyl	Low-E Double	Y 0 26	0 20	N	N	15 0	1	2 50	6 00	1 5 13	None	None

INFILTRATION

✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0 00038	5150	282 54	530.45	0 1285	6 0	All	51500 cu ft

MASS

✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq ft.)	0 ft²	0 ft	0 30	Business Areas

HEATING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	---Geothermal HeatPump--- Entry Power Volt Current	Ducts	Block

INPUT SUMMARY CHECKLIST REPORT

COOLING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1A	Central Unit	None/Single	214824242	SEER2 17 1	60.0	1800	0 78	Ductless	1
___ 1B	Central Unit	None/Single	214824242	SEER2 17 1	60 0	1800	0 78	Ductless	1

HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt Flow	Trap	Pipe Ins	Pipe length
___ 1	Propane	Tankless	Exterior	0 59 (0 59)	1 0 gal	60 gal	120 deg	Standard	Yes	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 #	Supply Location	R-Value	Area	Return Location	R-Value	Area	Leakage Type	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat Cool
___ 1	Business Area	6 0	1030 ft²	Business Area	6 0	258 ft²	Prop Leak Free	Business A	--- ---	0 030	Yes	0 50	1 1

TEMPERATURES

Programable Thermostat Y				Ceiling Fans N									
Cooling	[] Jan	[] Feb	[] Mar	[] Apr	[] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[] Oct	[] Nov	[] Dec	
Heating	[X] Jan	[X] Feb	[X] Mar	[] Apr	[] May	[] Jun	[] Jul	[] Aug	[] Sep	[] Oct	[X] Nov	[X] Dec	
Venting	[] Jan	[] Feb	[X] Mar	[X] Apr	[] May	[] Jun	[] Jul	[] Aug	[] Sep	[X] Oct	[X] Nov	[] 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 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Cooling (WEH)	AM PM	78 80	78 80	78 80	78 80	78 78	78 78	78 78	78 78	80 78	80 78	80 78	80 78
___ Heating (WD)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68
___ Heating (WEH)	AM PM	65 68	65 68	65 68	65 68	65 68	65 68	65 68	68 68	68 68	68 68	68 68	68 68

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD
ESTIMATED ENERGY PERFORMANCE INDEX* = 66

The lower the EnergyPerformance Index, the more efficient the home

„FL,

1	New construction or existing		New (From Plans)	10	Wall Types(3355 0 sqft)	Insulation	Area
2	Single family or multiple family		Detached	a	Frame - Wood, Exterior	R=19 0	3355 00 ft ²
3	Number of units, if multiple family		1	b	N/A		
4	Number of Bedrooms		0	c.	N/A		
5	Is this a worst case?		No	d	N/A		
6	Conditioned floor area above grade (ft²)		5150	11	Ceiling Types(5150 0 sqft)	Insulation	Area
	Conditioned floor area below grade (ft²)		0	a	Single assembly, no ai (Unvented)	R=21 0	5150 00 ft ²
7	Windows**	Description	Area	b	N/A		
a	U-Factor	DbI, U=0.26	716.33 ft ²	c.	N/A		
	SHGC	SHGC=0.20		12	Roof(Metal, Unvent)	Deck R=21 0	5962 ft ²
b	U-Factor	N/A	ft ²	13	Ducts, location & insulation level	R	ft ²
	SHGC			a	Sup Business , Ret. Business , AH Business	6	1030
c.	U-Factor	N/A	ft ²	b			
	SHGC.			c			
	Area Weighted Average Overhang Depth		1.500 ft	14	Cooling Systems	kBtu/hr	Efficiency
	Area Weighted Average SHGC		0.200	a	Central Unit	120 0	SEER2 17 10
8	Skylights	Description	Area	15	Heating Systems	kBtu/hr	Efficiency
	U-Factor (AVG)	N/A	N/A ft ²	a	Electric Heat Pump	120 0	HSPF2.8 50
	SHGC(AVG)	N/A					
9	Floor Types	Insulation	Area	16	Hot Water Systems		
a	Slab-On-Grade Edge Insulation	R= 0 0	5150 00 ft ²	a	PropaneTankless	Cap	1 gallons
b	N/A	R=	ft ²			EF	0.590
c.	N/A	R=	ft ²	b	Conservation features		
							None
				17	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 _____, 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