

<b>Project Name:</b> Rosenboom McConnell <b>Street:</b> <b>City, State, Zip:</b> , FL, <b>Owner:</b> <b>Design Location:</b> FL, Gainesville	<b>Builder Name:</b> <b>Permit Office:</b> <b>Permit Number:</b> <b>Jurisdiction:</b> <b>County:</b> Alachua(Florida Climate Zone 2)
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<table style="width: 100%;"> <tr> <td style="width: 40%;">1. New construction or existing</td> <td style="width: 60%;">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>3</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>2043</td> </tr> <tr> <td>Conditioned floor area below grade (ft²)</td> <td>0</td> </tr> <tr> <td>7. Windows(235.0 sqft.)</td> <td>Description Area</td> </tr> <tr> <td>a. U-Factor:</td> <td>Dbl, U=0.27 235.00 ft²</td> </tr> <tr> <td>SHGC:</td> <td>SHGC=0.33</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>1.333 ft</td> </tr> <tr> <td>Area Weighted Average SHGC:</td> <td>0.330</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 2043.00 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> </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	3	5. Is this a worst case?	No	6. Conditioned floor area above grade (ft²)	2043	Conditioned floor area below grade (ft²)	0	7. Windows(235.0 sqft.)	Description Area	a. U-Factor:	Dbl, U=0.27 235.00 ft²	SHGC:	SHGC=0.33	b. U-Factor:	N/A ft²	SHGC:		c. U-Factor:	N/A ft²	SHGC:		Area Weighted Average Overhang Depth:	1.333 ft	Area Weighted Average SHGC:	0.330	8. Skylights	Description Area	U-Factor:(AVG)	N/A N/A ft²	SHGC(AVG):	N/A	9. Floor Types	Insulation Area	a. Slab-On-Grade Edge Insulation	R= 0.0 2043.00 ft²	b. N/A	R= ft²	c. N/A	R= ft²	<table style="width: 100%;"> <tr> <td style="width: 40%;">10. Wall Types(1890.0 sqft.)</td> <td style="width: 20%;">Insulation</td> <td style="width: 40%;">Area</td> </tr> <tr> <td>a. Frame - Wood, Exterior</td> <td>R=19.0</td> <td>1647.00 ft²</td> </tr> <tr> <td>b. Frame - Wood, Adjacent</td> <td>R=19.0</td> <td>243.00 ft²</td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>d. N/A</td> <td></td> <td></td> </tr> <tr> <td>11. Ceiling Types(2043.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>a. Flat ceiling under att (Vented)</td> <td>R=30.0</td> <td>2043.00 ft²</td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>12. Roof(Metal, Vented)</td> <td>Deck R=0.0</td> <td>2284 ft²</td> </tr> <tr> <td>13. Ducts, location &amp; insulation level</td> <td>R</td> <td>ft²</td> </tr> <tr> <td>a. Sup: Attic, Ret: Attic, AH: Main</td> <td></td> <td>6 409</td> </tr> <tr> <td>b.</td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> </tr> <tr> <td>14. Cooling Systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>a. Central Unit</td> <td>46.0</td> <td>SEER2:18.00</td> </tr> <tr> <td>15. Heating Systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>a. Electric Heat Pump</td> <td>46.0</td> <td>HSPF2:9.00</td> </tr> <tr> <td>16. Hot Water Systems</td> <td></td> <td></td> </tr> <tr> <td>a. ElectricTankless</td> <td></td> <td>Cap: 1 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF: 0.920</td> </tr> <tr> <td>b. Conservation features</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>None</td> </tr> <tr> <td>17. Credits</td> <td></td> <td>CF, Pstat</td> </tr> </table>	10. Wall Types(1890.0 sqft.)	Insulation	Area	a. Frame - Wood, Exterior	R=19.0	1647.00 ft²	b. Frame - Wood, Adjacent	R=19.0	243.00 ft²	c. N/A			d. N/A			11. Ceiling Types(2043.0 sqft.)	Insulation	Area	a. Flat ceiling under att (Vented)	R=30.0	2043.00 ft²	b. N/A			c. N/A			12. Roof(Metal, Vented)	Deck R=0.0	2284 ft²	13. Ducts, location & insulation level	R	ft²	a. Sup: Attic, Ret: Attic, AH: Main		6 409	b.			c.			14. Cooling Systems	kBtu/hr	Efficiency	a. Central Unit	46.0	SEER2:18.00	15. Heating Systems	kBtu/hr	Efficiency	a. Electric Heat Pump	46.0	HSPF2:9.00	16. Hot Water Systems			a. ElectricTankless		Cap: 1 gallons			EF: 0.920	b. Conservation features					None	17. Credits		CF, Pstat
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Glass/Floor Area:0.115	Total Proposed Modified Loads: 43.54	<b>PASS</b>
	Total Baseline Loads: 50.88	

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.  <div style="text-align: right; margin-right: 50px;"> <b>B. Rolling</b>          PREPARED BY: _____           DATE: <u>12.10.24</u> </div> I hereby certify that this building, as designed, is in compliance with the Florida Energy Code. OWNER/AGENT: <u>Scott Rosenboom</u> DATE: <u>12.11.24</u>	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.  <div style="text-align: right;">           BUILDING OFFICIAL:           DATE: _____       </div>
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Page 1

## INPUT SUMMARY CHECKLIST REPORT

## PROJECT

Title:	RosenboomMcConnell	Bedrooms:	3	Address type:	Street Address
Building Type:	User	ConditionedArea:	2043	Lot #:	---
Owner:		Total Stories:	1	Block/SubDivision:	---
Builder Home ID:		Worst Case:	No	PlatBook:	---
Builder Name:		RotateAngle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	Alachua
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL,
Family Type:	Detached	Terrain:	Suburban		
New/Existing:	New (From Plans)	Shielding:	Suburban		
Year Construct:					
Comment:					



Review for Code Compliance  
Universal Engineering Science

*Signature*

PX2707

12/31/2024

Examiner-License No.

## CLIMATE

✓ Design Location	Tmy Site	Design Temp	Int Design Temp	Heating DegreeDays	Design Moisture	Daily temp Range
		97.5% 2.5%	Winter Summer			
___ FL, Gainesville	FL_GAINESVILLE_REGIONA	32 92	70 75	1305.5	51	Medium

## BLOCKS

✓ Number	Name	Area	Volume
___ 1	Block1	2043	18387 cu ft

## SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	Main	2043	18387	Yes	3	3	Yes	Yes	Yes

## FLOORS

(Total Exposed Area = 2043 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	Main	183	2043 sqft	0.0	---	0.547	0 (ft)/0 (ft)	0.22	0.22 0.56

## ROOF

✓ #	Type	Materials	Roof Area	Gable Area	Framing. Fract.	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt Tested	Emitt Tested	Deck Insul.	Pitch (deg)
___ 1	Gable or shed	Metal	2284 ft²	510 ft²	0.00	Medium	N	0.96	No	0.9	No	0	26.57

## ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	2043 ft²	N	N

## CEILING

(Total Exposed Area = 2043 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Flat ceiling under attic(Vented)	Main	30.0	Blown	2043.0ft²	0.030	0.11	Wood

## INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 1890 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	W	Exterior	Frame - Wood	Main	19.0	54.0	0	9.0	0	486.0	0.061		0.23	0.15	0 %				
___ 2	N	Exterior	Frame - Wood	Main	19.0	26.0	0	9.0	0	234.0	0.061		0.23	0.15	0 %				
___ 3	E	Exterior	Frame - Wood	Main	19.0	54.0	0	9.0	0	486.0	0.061		0.23	0.15	0 %				
___ 4	S	Exterior	Frame - Wood	Main	19.0	49.0	0	9.0	0	441.0	0.061		0.23	0.15	0 %				
___ 5	N	Garage	Frame - Wood	Main	19.0	27.0	0	9.0	0	243.0	0.061		0.23	0.15	0 %				

  

DOORS												(Total Exposed Area = 77 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	W	Exterior	Insulated	Main	None	0.40	3.00	0	7.00	0	21.0ft²			
___ 2	E	Exterior	Insulated	Main	None	0.40	3.00	0	7.00	0	21.0ft²			
___ 3	E	Exterior	Insulated	Main	None	0.40	1.00	0	7.00	0	7.0ft²			
___ 4	E	Exterior	Insulated	Main	None	0.40	1.00	0	7.00	0	7.0ft²			
___ 5	N	Garage	Insulated	Main	None	0.40	3.00	0	7.00	0	21.0ft²			

  

WINDOWS															(Total Exposed Area = 235 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)	InteriorShade	Screen	
___ 1	W	1	Metal	Double (Tinted)	Y	0.27	0.33	N	N	48.0	2	6.00	4.00	1.3	1.3	Drapes/blinds	None
___ 2	W	1	Metal	Double (Tinted)	Y	0.27	0.33	N	N	36.0	1	6.00	6.00	1.3	1.3	Drapes/blinds	None
___ 3	W	1	Metal	Double (Tinted)	Y	0.27	0.33	N	N	14.0	2	1.00	7.00	1.3	1.3	Drapes/blinds	None
___ 4	E	3	Metal	Double (Tinted)	Y	0.27	0.33	N	N	40.0	2	5.00	4.00	1.3	1.3	Drapes/blinds	None
___ 5	E	3	Metal	Double (Tinted)	Y	0.27	0.33	N	N	28.0	2	2.00	7.00	1.3	1.3	Drapes/blinds	None
___ 6	E	3	Metal	Double (Tinted)	Y	0.27	0.33	N	N	42.0	2	3.00	7.00	1.3	1.3	Drapes/blinds	None
___ 7	S	4	Metal	Double (Tinted)	Y	0.27	0.33	N	N	27.0	3	3.00	3.00	1.3	1.3	Drapes/blinds	None

  

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00029	1532	84.06	157.82	0.1027	5.0	All	18387 cu ft

  

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation
___ 1	470 ft²	27.0 ft²	17.4 ft²	470 ft²	64 ft	470 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	---GeothermalHeatPump--- Entry Power Volt Current	Ducts	Block	
___ 1	Electric Heat Pump	None/Single		HSPF2: 9.00	46.0	0.00 0.00 0.00	sys#1	1	



## INPUT SUMMARY CHECKLIST REPORT

## COOLING SYSTEM

✓ #	System Type	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit	None/Single		SEER2:18.0	46.0	1533	0.75	sys#1	1

## HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length
___ 1	Electric	Tankless	Exterior	0.92 (0.92)	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 #	Location	Supply----- R-Value	Area	Return----- Location	R-Value	Area	LeakageType	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat Cool
___ 1	Attic	6.0	409 ft²	Attic	6.0	102 ft²	DefaultLeakage	Main	(Default)	(Default)			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	Hours 7	8	9	10	11	12
___ Cooling (WD)	AM PM	78 80	78 80	78 78	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	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 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 68	68 66	68 66



Review for Code Compliance  
Universal Engineering Science

*Laurence Perrell*  
Examiner-License No.

PX2707

12/31/2024

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

## ESTIMATED ENERGY PERFORMANCE INDEX\* = 86

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

„FL,

1. New construction or existing	New (From Plans)	10. Wall Types(1890.0 sqft.)	Insulation	Area
2. Single family or multiple family	Detached	a. Frame - Wood, Exterior	R=19.0	1647.00 ft <sup>2</sup>
3. Number of units, if multiple family	1	b. Frame - Wood, Adjacent	R=19.0	243.00 ft <sup>2</sup>
4. Number of Bedrooms	3	c. N/A		
5. Is this a worst case?	No	d. N/A		
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a. U-Factor:	Dbl, U=0.27	c. N/A		
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b. N/A	R=		EF: 0.920	
c. N/A	R=	b. Conservation features		
		17. Credits	None	
			CF, 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: Scott Rosenboom Date: 12.11.24

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.



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