

Project Name: Mallard Parnell Street: City, State, Zip: , FL, Owner: Design Location: FL, Gainesville	Builder Name: Permit Office: Permit Number: Jurisdiction: County: Alachua(Florida Climate Zone 2)																																																																																														
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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: _____	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: _____																																																																																														

- 12/10/2024 12:29:42 PM EnergyGauge® USA 8.0.00 - FlaRes2023 FBC 8th Edition (2023) Compliant Software Page 1

INPUT SUMMARY CHECKLIST REPORT

PROJECT																						
Title:	Mallard Parnell			Bedrooms:	3	Address type:	Street Address															
Building Type:	User			Conditioned Area:	2115	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:	Alachua															
Jurisdiction:				Whole House Fan:		City, State, Zip:	, FL,															
Family Type:	Detached			Terrain:	Suburban																	
New/Existing:	New (From Plans)			Shielding:	Suburban																	
Year Construct:																						
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		2115		16920 cu ft																	
SPACES																						
✓ Number	Name		Area		Volume		Kitchen		Occupants		Bedrooms		Finished		Cooled		Heated					
___ 1	Main		2115		16920		Yes		3		3		Yes		Yes		Yes					
FLOORS (Total Exposed Area = 2115 sq.ft.)																						
✓ #	Floor Type		Space		Exposed Perim(ft)		Area		R-Value Perim. Joist		U-Factor		Slab Insul. Vert/Horiz		Tile		Wood		Carpet			
___ 1	Slab-On-Grade Edge Ins		Main		206		2115 sqft		0 ---		0.547		0 (ft)/0 (ft)		0.22		0.22		0.56			
ROOF																						
✓ #	Type		Materials		Roof Area		Gable Area		Roof Color		Rad Barr		Solar Absor.		SA Tested		Emitt Tested		Deck Insul.		Pitch (deg)	
___ 1	Gable or shed		Composition shingles		2365 ft²		528 ft²		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		2115 ft²		N		N											
CEILING (Total Exposed Area = 2115 sq.ft.)																						
✓ #	Ceiling Type		Space		R-Value		Ins. Type		Area		U-Factor		Framing Frac.		Truss Type							
___ 1	Flat ceiling under attic(Vented)		Main		38.0		Blown		2115.0ft²		0.024		0.11		Wood							

INPUT SUMMARY CHECKLIST REPORT

WALLS															(Total Exposed Area = 1648 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	Main	13.0	51.0	0	8.0	0	408.0	0.074		0.111	0.10	0 %				
___ 2	E	Exterior	Frame - Wood	Main	13.0	52.0	0	8.0	0	416.0	0.074		0.111	0.10	0 %				
___ 3	S	Exterior	Frame - Wood	Main	13.0	51.0	0	8.0	0	408.0	0.074		0.111	0.10	0 %				
___ 4	W	Exterior	Frame - Wood	Main	13.0	52.0	0	8.0	0	416.0	0.074		0.111	0.10	0 %				

DOORS												(Total Exposed Area = 60 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	N	Exterior	Insulated	Main	None	0.46	1.00	0	6.00	8	6.7ft²			
___ 2	S	Exterior	Insulated	Main	None	0.46	1.00	0	6.00	8	6.7ft²			
___ 3	S	Exterior	Insulated	Main	None	0.46	1.00	0	6.00	8	6.7ft²			
___ 4	W	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²			
___ 5	W	Exterior	Insulated	Main	None	0.46	3.00	0	6.00	8	20.0ft²			

WINDOWS															(Total Exposed Area = 247 sq.ft.)		
✓ #	Ornt	Wall ID	Frame	Panels	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	0.34	0.23	N	N	100.0	4	5.00	5.00	2.0	1.3	Drapes/blinds Ex. 100%	
___ 2	N	1	Vinyl	Low-E Double	Y	0.34	0.23	N	N	13.3	1	2.00	6.67	2.0	1.3	Drapes/blinds Ex. 100%	
___ 3	E	2	Vinyl	Low-E Double	Y	0.34	0.23	N	N	30.0	2	3.00	5.00	2.0	1.3	Drapes/blinds Ex. 100%	
___ 4	E	2	Vinyl	Low-E Double	Y	0.34	0.23	N	N	6.0	1	2.00	3.00	2.0	1.3	Drapes/blinds Ex. 100%	
___ 5	S	3	Vinyl	Low-E Double	Y	0.34	0.23	N	N	15.0	1	3.00	5.00	2.0	1.3	Drapes/blinds Ex. 100%	
___ 6	S	3	Vinyl	Low-E Double	Y	0.34	0.23	N	N	33.3	1	5.00	6.67	2.0	1.3	Drapes/blinds Ex. 100%	
___ 7	S	3	Vinyl	Low-E Double	Y	0.34	0.23	N	N	13.3	1	2.00	6.67	2.0	1.3	Drapes/blinds Ex. 100%	
___ 8	S	3	Vinyl	Low-E Double	Y	0.34	0.23	N	N	30.0	2	3.00	5.00	2.0	1.3	Drapes/blinds Ex. 100%	
___ 9	S	3	Vinyl	Low-E Double	Y	0.34	0.23	N	N	6.0	1	2.00	3.00	2.0	1.3	Drapes/blinds Ex. 100%	

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00025	1410	77.36	145.23	0.0980	5.0	All	16920 cu ft

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 HeatPump----			Ducts	Block
						Entry	Power	Volt	Current	
___ 1	Electric Heat Pump	None/Single		HSPF2: 8.50	28.0		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			SEER2:15.0		26.4	791	0.75	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	60 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 #	-----Supply----- Location R-Value Area		-----Return----- Location R-Value Area				Leakage Type		Air Handler	CFM 25 TOT	CFM 25 OUT	QN OUT	RFL	HVAC # Heat Cool	
___ 1 Attic	6.0 123 ft² Attic		6.0 106 ft²				Default Leakage		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				Hours										
	Schedule Type	1	2	3	4	5	6	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		