

Project Name: Iamas 5900 sw 114 ter guest quarters Street: 5900 sw 114 ter City, State, Zip: pinecrest, FL, 33156 Owner: 5900 LLC Design Location: FL, Miami	Builder Name: Permit Office: Permit Number: Jurisdiction: 233250 County: miami-Dade(Florida Climate Zone 1)
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Glass/Floor Area: 0.226	Total Proposed Modified Loads: 48.66	PASS
	Total Baseline Loads: 52.92	

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: _____
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PROJECT															
Title:	lmas 5900 sw 114 ter guest quarters							Address type:		Street Address					
Building Type:	User			Bedrooms:		1		Lot #:		---					
Owner:	5900 LLC			Conditioned Area:		928		Block/SubDivision:		---					
				Total Stories:		1		PlatBook:		---					
Builder Name:				Worst Case:		No		Street:		5900 sw 114 ter					
Permit Office:				Rotate Angle:		0		County:		miami-Dade					
Jurisdiction:	233250			Cross Ventilation:				City, State, Zip:		pinecrest, FL, 33156					
Family Type:	Detached			Whole House Fan:											
New/Existing:	New (From Plans)			Terrain:		Suburban									
Year Construct:	2023			Shielding:		Suburban									
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, Miami	FL_MIAMI_INTL_AP			51 90		70 75		149.5		56		Low			
BLOCKS															
✓ Number	Name	Area		Volume											
___ 1	Block1	928		10208											
SPACES															
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated						
___ 1	ZONE 6	928	10208	Yes	1	1	Yes	Yes	Yes						
FLOORS (Total Exposed Area = 928 sq.ft.)															
✓ #	Floor Type	Space	Exposed Perim	Perimeter R-Value	Area	U-Factor	Joist R-Value	Tile	Wood	Carpet					
___ 1	Slab-On-Grade Edge Ins	ZONE 6	131	0	928 ft	0.710	---	1.00	0.00	0.00					
ROOF															
✓ #	Type	Materials	Roof Area	Gable Area	Roof Color	Rad Barr	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)			
___ 1	Hip	Flat tile/slate	978 ft²	0 ft²	Medium	N	0.5	No	0.9	No	30	18.43			
ATTIC															
✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC									
___ 1	Full attic	Unvented	0	928 ft²	N	N									
CEILING (Total Exposed Area = 928 sq.ft.)															
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type							
___ 1	Under Attic(Unvented)	ZONE 6	0.0	Blown	928.0ft²	0.028	0.11	Wood							

INPUT SUMMARY CHECKLIST REPORT

WALLS (Total Exposed Area = 1441 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	Conc. Blk - Int Ins	ZONE 6	4.1	42.0	0	11.0	0	462.0	0.149		0	0.50	0 %	
___ 2	S	Exterior	Conc. Blk - Int Ins	ZONE 6	4.1	23.0	6	11.0	0	258.5	0.149		0	0.50	0 %	
___ 3	E	Exterior	Conc. Blk - Int Ins	ZONE 6	4.1	42.0	0	11.0	0	462.0	0.149		0	0.50	0 %	
___ 4	N	Exterior	Conc. Blk - Int Ins	ZONE 6	4.1	23.0	6	11.0	0	258.5	0.149		0	0.50	0 %	

DOORS (Total Exposed Area = 0 sq.ft.)												
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area	
___ 1	N(Front)	Exterior	Wood	ZONE 6	None	0.20	0.10	0	0.10	0	0.1ft²	

WINDOWS (Total Exposed Area = 210 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	W	1	Metal	Single (Tinted)	Y	1.03	0.40	Y	N	84.0	4	3.00	7.00	2.5	3.0	None	None
___ 2	E	3	Metal	Single (Tinted)	Y	1.03	0.40	Y	N	126.0	6	3.00	7.00	2.5	3.0	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	
___ 1	Wholehouse	Proposed ACH(50)	0.00029	698	38.27	71.85	0.0985	4.1	All	

MASS						
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space	
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	ZONE 6	

HEATING SYSTEM											
✓ #	System Type	Subtype	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal Entry	Heat Pump Power	Heat Pump Volt	Heat Pump Current	Ducts	Block
___ 1	Electric Strip Heat	None		COP: 1.00	25.0		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	Split/Single		SEER:16.0	34.8	1125	0.85	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

✓ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixture Flow	Pipe Ins.	Pipe length
___ 1	Electric	Tankless	ZONE 6	0.99 (0.99)	1.00 gal	40 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 R-Value	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM 25 OUT	QN	RLF	HVAC # Heat	HVAC # Cool
___ 1	Attic	6.0	100 ft²	ZONE 6	6.0	0 ft²	Default Leakage	ZONE 6	(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