

INPUT SUMMARY CHECKLIST REPORT**PROJECT**

Title:	Moore Residence	Address type:	Street Address		
Building Type:	User	Bedrooms:	5	Lot #:	---
Owner:	The Moore's	Conditioned Area:	3088	Block/SubDivision:	---
Builder Home ID:		Total Stories:	1	PlatBook:	---
Builder Name:		Worst Case:	No	Street:	229 SW Legacy Glen
Permit Office:	Columbia County	Rotate Angle:	0	County:	Columbia
Jurisdiction:		Cross Ventilation:	Yes	City, State, Zip:	Lake City, FL, 32025
Family Type:	Detached	Whole House Fan:	No		
New/Existing:	New (From Plans)	Terrain:	Suburban		
Year Construct:	2026	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, Gainesville	FL_GAINESVILLE_REGIONA	32 92	70 75	1305.5	51	Medium

BLOCKS

✓ Number	Name	Area	Volume
___ 1	Block1	3088	27792 cu ft

SPACES

✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated
___ 1	1st Floor	3088	27792	Yes	10	5	Yes	Yes	Yes

FLOORS

(Total Exposed Area = 3088 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	1st Floor	232.667	3088 sqft	0.0 ---	0.304	2 (ft)/0 (ft)	0.00	0.00	1.00

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	Hip	Composition shingles	3711 ft²	0 ft²	0.11	Medium	Y	0.96	No	0.9	No	0	33.69

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
___ 1	Full attic	Vented	300	3088 ft²	Y	N

CEILING

(Total Exposed Area = 3397 sq.ft.)

✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type
___ 1	Flat ceiling under attic(Vented)	1st Floor	38.0	Double Batt	3396.8ft²	0.024	0.11	Wood

INPUT SUMMARY CHECKLIST REPORT

WALLS														(Total Exposed Area = 2091 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	S	Exterior	Frame - Wood	1st Floor	13.0	30.0	0	9.0	0	270.0	0.084		0.23	0.75	0.0 %	
___ 2	E	Exterior	Frame - Wood	1st Floor	13.0	58.0	4	9.0	0	525.0	0.084		0.23	0.75	0.0 %	
___ 3	N	Exterior	Frame - Wood	1st Floor	13.0	13.0	4	9.0	0	120.0	0.084		0.23	0.75	0.0 %	
___ 4	N	Exterior	Frame - Wood	1st Floor	13.0	34.0	0	9.0	0	306.0	0.084		0.23	0.75	0.0 %	
___ 5	N	Exterior	Frame - Wood	1st Floor	13.0	10.0	8	9.0	0	96.0	0.084		0.23	0.75	0.0 %	
___ 6	W	Exterior	Frame - Wood	1st Floor	13.0	47.0	8	9.0	0	429.0	0.084		0.23	0.75	0.0 %	
___ 7	S	Garage	Frame - Wood	1st Floor	13.0	27.0	8	9.0	0	249.0	0.084		0.23	0.75	0.0 %	
___ 8	W	Garage	Frame - Wood	1st Floor	13.0	10.0	8	9.0	0	96.0	0.084		0.23	0.75	0.0 %	

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

WINDOWS														(Total Exposed Area = 233 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	S	1	Vinyl	Low-E Double	Y	0.36	0.25	N	N	30.0	2	3.00	5.00	9.5	1.0	None	None
___ 2	E	2	Vinyl	Low-E Double	Y	0.36	0.25	N	N	8.0	2	4.00	1.00	1.5	1.0	None	None
___ 3	E	2	Vinyl	Low-E Double	Y	0.36	0.25	N	N	15.0	1	3.00	5.00	1.5	1.0	None	None
___ 4	N	3	Vinyl	Low-E Double	Y	0.36	0.25	N	N	15.0	1	3.00	5.00	1.5	1.0	None	None
___ 5	N	4	Vinyl	Low-E Double	Y	0.36	0.25	N	N	45.0	3	3.00	5.00	9.5	1.0	None	None
___ 6	N	4	TIM	Low-E Double	Y	0.36	0.25	N	N	60.0	3	3.00	6.67	9.5	1.0	None	None
___ 7	W	6	Vinyl	Low-E Double	Y	0.36	0.25	N	N	60.0	4	3.00	5.00	1.5	1.0	None	None

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00040	3242	177.89	333.96	0.1438	7.0	All	27792 cu ft

GARAGE								
✓ #	Floor Area	Length	Width	Roof Area	Exposed Perimeter	Area Under Uncond.	Avg. Wall Height	Exposed Wall Insulation
___ 1	635 ft²	28.0 ft²	22.7 ft²	635 ft²	62 ft	635 ft	9 ft	1

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

INPUT SUMMARY CHECKLIST REPORT

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: 8.80	39.4	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		SEER2:17.5	34.5	1020	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	None	Garage	0.92 (0.92)	50.0 gal	40 gal	120 deg	Standard	Yes	None	12
	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	AHU Location	CFM 25 TOT OUT	QN OUT	AHU SEALED	RLF	HVAC # Heat Cool
___ 1	Attic	6.0 772 ft²	Attic 6.0 154 ft²	Default Leakage	1st Floor	(Default) (Default)				1 1

TEMPERATURES

Programable Thermostat: Y				Ceiling Fans: N									
Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec	
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec	
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec	
✓ Thermostat Schedule: HERS 2006 Reference	Hours												
Schedule Type	1	2	3	4	5	6	7	8	9	10	11	12	
___ Cooling (WD)	AM 78	PM 78	78	78	78	78	78	78	78	80	80	80	80
___ Cooling (WEH)	AM 78	PM 78	78	78	78	78	78	78	78	78	78	78	78
___ Heating (WD)	AM 66	PM 68	66	66	66	68	68	68	68	68	68	68	68
___ Heating (WEH)	AM 66	PM 68	66	66	66	68	68	68	68	68	68	68	68

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction:	Permit #:
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Job Information

Builder:	Community:	Lot:	NA
Address: 229 SW Legacy Glen			
City: Lake City	State: FL	Zip: 32025	

Air Leakage Test Results Passing results must meet either the Performance, Prescriptive, or ERI Method

PRESCRIPTIVE METHOD-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 Pascals) in Climate Zones 1 and 2.

PERFORMANCE or ERI METHOD-The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH(50) value, as shown on Form R405-2023 (Performance) or R406-2023 (ERI), section labeled as infiltration, sub-section ACH50.
 ACH(50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI): 7.000

$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div \frac{27792}{\text{ACH}(50)} =$ <div style="text-align: center; font-size: 2em; font-weight: bold; margin: 10px 0;">PASS</div> <p><input type="checkbox"/> When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p>	<p><u>Method for calculating building volume:</u></p> <p><input type="radio"/> Retrieved from architectural plans</p> <p><input checked="" type="radio"/> Code software calculated</p> <p><input type="radio"/> Field measured and calculated</p>
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R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.1 of this code and Section M1507.3 if the *Florida Building Code, Residential*. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 Pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statutes*, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the ~~trade~~ *code official*. Testing shall be performed at any time after creation of all penetrations of the ~~building~~ *building thermal envelope*.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
3. Interior doors, if installed at the time of the test, shall be open.
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
6. Supply and return registers, if installed at the time of the test, shall be fully open.
7. If an attic is both sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting the infiltration volume and calculating the air leakage of the home.

Testing Company

Company Name: _____ Phone: _____

I hereby verify that the above Air Leakage results are in accordance with the 2023 8th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: _____

Printed Name of Tester: _____

License/Certification #: _____ Issuing Authority: _____

Residential System Sizing Calculation

Summary

The Moore's
229 SW Legacy Glen
Lake City, FL 32025

Project Title:
Moore Residence

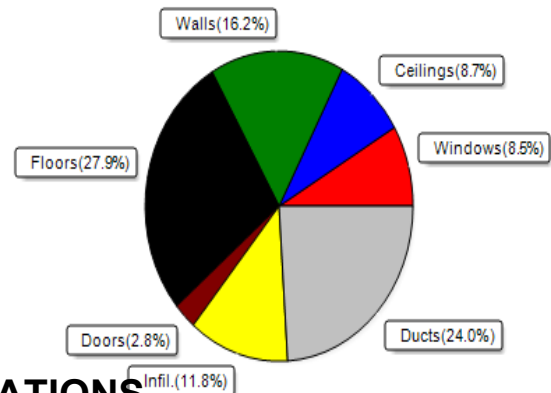
3/3/2026

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (79F) Humidity difference(54gr.)			
Winter design temperature(MJ8 99%/Cu)	33 F	Summer design temperature(MJ8 99%/Cu)	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	24 F
Total heating load calculation	36463 Btuh	Total cooling load calculation	37737 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	108.1 39402	Sensible (SHR = 0.75)	85.1 25860
Heat Pump + Auxiliary(0.0kW)	108.1 39402	Latent	117.3 8620
		Total (Electric Heat Pump)	91.4 34481

WINTER CALCULATIONS

Winter Heating Load (for 3088 sqft)

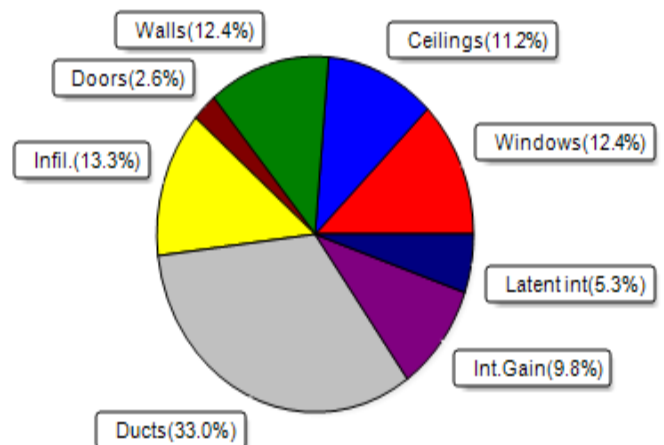
Load component	Load
Window total	233 sqft 3104 Btuh
Wall total	1798 sqft 5905 Btuh
Door total	60 sqft 1021 Btuh
Ceiling total	3397 sqft 3190 Btuh
Floor total	3088 sqft 10158 Btuh
Infiltration	107 cfm 4316 Btuh
Duct loss	8769 Btuh
Subtotal	36463 Btuh
Ventilation Ex:0 cfm; Sup:0 cfm	0 Btuh
TOTAL HEAT LOSS	36463 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3088 sqft)

Load component	Load
Window total	233 sqft 4696 Btuh
Wall total	1798 sqft 4691 Btuh
Door total	60 sqft 966 Btuh
Ceiling total	3397 sqft 4224 Btuh
Floor total	0 Btuh
Infiltration	80 cfm 2100 Btuh
Internal gain	3700 Btuh
Duct gain	10011 Btuh
Sens. Ventilation Ex:0 cfm; Sup:0 cfm	0 Btuh
Blower Load	0 Btuh
Total sensible gain	30389 Btuh
Latent gain(ducts)	2427 Btuh
Latent gain(infiltration)	2921 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	2000 Btuh
Total latent gain	7348 Btuh
TOTAL HEAT GAIN	37737 Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

3 / 3 / 2026

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

The Moore's
229 SW Legacy Glen
Lake City, FL 32025

Project Title:
Moore Residence
Building Type: User

3/3/2026

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 °F (MJ8 99%/Cu)
Winter Setpoint: 70 °F (Required Manual J default)

Component Loads for Whole House									
Window	Panes/Type	Frame	U	Orientation	Area(sqft)	X	HTM=	Load	
1	2, NFRC 0.25	Vinyl	0.36	S	30.0		13.3	400 Btuh	
2	2, NFRC 0.25	Vinyl	0.36	E	8.0		13.3	107 Btuh	
3	2, NFRC 0.25	Vinyl	0.36	E	15.0		13.3	200 Btuh	
4	2, NFRC 0.25	Vinyl	0.36	N	15.0		13.3	200 Btuh	
5	2, NFRC 0.25	Vinyl	0.36	N	45.0		13.3	599 Btuh	
6	2, NFRC 0.25	TIM	0.36	N	60.0		13.3	799 Btuh	
7	2, NFRC 0.25	Vinyl	0.36	W	60.0		13.3	799 Btuh	
	Window Total					233.0(sqft)			3104 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load	
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	220		3.28	722 Btuh	
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	502		3.28	1649 Btuh	
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	105		3.28	345 Btuh	
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	201		3.28	660 Btuh	
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	96		3.28	315 Btuh	
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	369		3.28	1212 Btuh	
7	Frame - Wood	- Adj	(0.089)	13.0/0.0	209		3.28	686 Btuh	
8	Frame - Wood	- Adj	(0.089)	13.0/0.0	96		3.28	315 Btuh	
	Wall Total					1798(sqft)			5905 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load	
1	Insulated - Exterior,	n	(0.460)		20		17.0	340 Btuh	
2	Insulated - Garage,	n	(0.460)		20		17.0	340 Btuh	
3	Insulated - Garage,	n	(0.460)		20		17.0	340 Btuh	
	Door Total					60(sqft)			1021Btuh
Ceilings	Type/Color/Surface	Ueff.	R-Value		Area	X	HTM=	Load	
1	Flat ceil/D/Shing	(0.025)	38.0/0.0		3397		0.94	3190 Btuh	
	Ceiling Total					3397(sqft)			3190Btuh
Floors	Type	Ueff.	R-Value		Size	X	HTM=	Load	
1	Slab On Grade	(1.180)	0.0		232.7 ft(perim.)		43.7	10158 Btuh	
	Floor Total					3088 sqft			10158 Btuh
	Envelope Subtotal:							23378 Btuh	
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		Load	
	Natural		0.23	27792	1.00	106.6		4316 Btuh	
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.317)							8769 Btuh	
All Zones	Sensible Subtotal All Zones							36463 Btuh	

Manual J Winter Calculations

Residential Load - Component Details (continued)

The Moore's
229 SW Legacy Glen
Lake City, FL 32025

Project Title:
Moore Residence
Building Type: User

3/3/2026

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sens. Heat Loss (Ex:0 cfm; Sup:0 cfm) Total Heat Loss	36463 Btuh 0 Btuh 36463 Btuh
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EQUIPMENT

1. Electric Heat Pump	#	39402 Btuh
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
 or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
 U - (Window U-Factor)
 HTM - (ManualJ Heat Transfer Multiplier)



Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

The Moore's
229 SW Legacy Glen
Lake City, FL 32025

Project Title:
Moore Residence

3/3/2026

Reference City: Gainesville, FL (Defaults)
Humidity difference: 54gr.

Temperature Difference: 24.0F(MJ8 99%/Cu)
Summer Setpoint: 75 °F (Required Manual J default)

Component Loads for Whole House

Window	Type*						Overhang		Window Area(sqft)			HTM		Load	
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.25, 0.36	No	No	S	9.5ft.	1.0ft.	30.0	30.0	0.0	14	16		417	Btuh
2	2 NFRC	0.25, 0.36	No	No	E	1.5ft.	1.0ft.	8.0	2.0	6.0	14	33		225	Btuh
3	2 NFRC	0.25, 0.36	No	No	E	1.5ft.	1.0ft.	15.0	0.7	14.3	14	33		477	Btuh
4	2 NFRC	0.25, 0.36	No	No	N	1.5ft.	1.0ft.	15.0	0.0	15.0	14	14		208	Btuh
5	2 NFRC	0.25, 0.36	No	No	N	9.5ft.	1.0ft.	45.0	0.0	45.0	14	14		625	Btuh
6	2 NFRC	0.25, 0.36	No	No	N	9.5ft.	1.0ft.	60.0	0.0	60.0	14	14		834	Btuh
7	2 NFRC	0.25, 0.36	No	No	W	1.5ft.	1.0ft.	60.0	2.9	57.1	14	33		1909	Btuh
	Window Total										233 (sqft)		4696		Btuh
Walls	Type	U-Value		R-Value		Area(sqft)		HTM		Load					
				Cav/Sheath											
1	Frame - Wood - Ext	0.09	13.0/0.0			220.0		2.7	596		Btuh				
2	Frame - Wood - Ext	0.09	13.0/0.0			502.0		2.7	1359		Btuh				
3	Frame - Wood - Ext	0.09	13.0/0.0			105.0		2.7	284		Btuh				
4	Frame - Wood - Ext	0.09	13.0/0.0			201.0		2.7	544		Btuh				
5	Frame - Wood - Ext	0.09	13.0/0.0			96.0		2.7	260		Btuh				
6	Frame - Wood - Ext	0.09	13.0/0.0			369.0		2.7	999		Btuh				
7	Frame - Wood - Adj	0.09	13.0/0.0			209.0		2.1	445		Btuh				
8	Frame - Wood - Adj	0.09	13.0/0.0			96.0		2.1	204		Btuh				
	Wall Total					1798 (sqft)				4691		Btuh			
Doors	Type	Area (sqft)		HTM		Load									
1	Insulated - Exterior	20.0		16.1		322		Btuh							
2	Insulated - Garage	20.0		16.1		322		Btuh							
3	Insulated - Garage	20.0		16.1		322		Btuh							
	Door Total					60 (sqft)				966		Btuh			
Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)		HTM		Load							
1	Vented Attic/DarkShingle/RB	0.025	38.0/0.0	3396.8		1.24		4224		Btuh					
	Ceiling Total					3397 (sqft)				4224		Btuh			
Floors	Type	R-Value		Size		HTM		Load							
1	Slab On Grade	0.0		3088 (ft-perimeter)		0.0		0		Btuh					
	Floor Total					3088.0 (sqft)				0		Btuh			
Envelope Subtotal:										14578		Btuh			
Infiltration	Type	Average ACH		Volume(cuft)		Wall Ratio		CFM=		Load					
	Natural	0.17		27792		1		79.9		2100		Btuh			
Internal gain	Occupants		Btuh/occupant		Appliance		Load								
	10		X 230		+		1400		3700		Btuh				
Sensible Envelope Load:										20378		Btuh			
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)					(DGM of 0.491)		10011 <td>Btuh</td>		Btuh					
Sensible Load All Zones										30389		Btuh			

Manual J Summer Calculations

Residential Load - Component Details (continued)

The Moore's
229 SW Legacy Glen
Lake City, FL 32025

Project Title:
Moore Residence

Climate:FL_GAINESVILLE_REGIONAL_A

3/3/2026

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	20378 Btuh
	Sensible Duct Load	10011 Btuh
	Total Sensible Zone Loads	30389 Btuh
	Sensible ventilation (Ex:0 cfm; Sup:0 cfm)	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30389 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	2921 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2427 Btuh
	Latent occupant gain (10.0 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	0 Btuh
	Latent total gain	7348 Btuh
	TOTAL GAIN	37737 Btuh

EQUIPMENT

1. Central Unit	#	34481 Btuh
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*Key: Window types (Panels - Number and type of panes of glass)
 (SHGC - Shading coefficient of glass as SHGC numerical value)
 (U - Window U-Factor)
 (InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
 - For Blinds: Assume medium color, half closed
 For Draperies: Assume medium weave, half closed
 For Roller shades: Assume translucent, half closed
 (IS - Insect screen: none(N), Full(F) or Half(½))
 (Ornt - compass orientation)



Version 8