

INPUT SUMMARY CHECKLIST REPORT

PROJECT													
Title:	Mink Res - 2nd floor	Address type:	Street Address										
Building Type:	User	Bedrooms:	1	Lot #:	---								
Owner:	Kimberly Mink	Conditioned Area:	1214	Block/SubDivision:	---								
Builder Home ID:		Total Stories:	1	PlatBook:	---								
Builder Name:		Worst Case:	No	Street:	22185 S Highway 441								
Permit Office:	Columbia County	Rotate Angle:	0	County:	Columbia								
Jurisdiction:		Cross Ventilation:	Yes	City, State, Zip:	High Springs, FL, 32643								
Family Type:	Detached	Whole House Fan:	No										
New/Existing:	Addition	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	1214	9712 cu ft										
SPACES													
✓ Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Finished	Cooled	Heated				
___ 1	2nd Floor	1214	9712	No	4	1	Yes	Yes	Yes				
FLOORS (Total Exposed Area = 1214 sq.ft.)													
✓ #	Floor Type	Space	Exposed Perim(ft)	Area	R-Value Perim.	U-Factor Joist	Slab Insul. Vert/Horiz	Tile	Wood	Carpet			
___ 1	Raised Floor	2nd Floor	---	1214 sqft	---	19.0	0.047	-----	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	Gable or shed	Composition shingles	1717 ft²	606 ft²	0.11	Medium	Y	0.96	No	0.9	No	0	45
ATTIC													
✓ #	Type	Ventilation			Vent Ratio (1 in)	Area	RBS	IRCC					
___ 1	Full attic	Vented			300	1214 ft²	Y	N					
CEILING (Total Exposed Area = 1214 sq.ft.)													
✓ #	Ceiling Type	Space	R-Value	Ins. Type	Area	U-Factor	Framing Frac.	Truss Type					
___ 1	Flat ceiling under attic(Vented)	2nd Floor	38.0	Double Batt	1214.0ft²	0.024	0.11	Wood					

INPUT SUMMARY CHECKLIST REPORT

WALLS														(Total Exposed Area = 1495 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	SW	Exterior	Frame - Wood	2nd Floor	13.0	17.0	0	8.0	0	136.0	0.084		0.23	0.75	0.0 %	
___ 2	S	Exterior	Frame - Wood	2nd Floor	13.0	18.0	4	8.0	0	146.7	0.084		0.23	0.75	0.0 %	
___ 3	W	Exterior	Frame - Wood	2nd Floor	13.0	21.0	6	8.0	0	172.0	0.084		0.23	0.75	0.0 %	
___ 4	S	Exterior	Frame - Wood	2nd Floor	13.0	18.0	7	8.0	0	148.7	0.084		0.23	0.75	0.0 %	
___ 5	E	Exterior	Frame - Wood	2nd Floor	13.0	19.0	9	8.0	0	158.0	0.084		0.23	0.75	0.0 %	
___ 6	S	Exterior	Frame - Wood	2nd Floor	13.0	4.0	6	8.0	0	36.0	0.084		0.23	0.75	0.0 %	
___ 7	E	Exterior	Frame - Wood	2nd Floor	13.0	12.0	7	8.0	0	100.7	0.084		0.23	0.75	0.0 %	
___ 8	N	Exterior	Frame - Wood	2nd Floor	13.0	4.0	6	8.0	0	36.0	0.084		0.23	0.75	0.0 %	
___ 9	E	Exterior	Frame - Wood	2nd Floor	13.0	19.0	9	8.0	0	158.0	0.084		0.23	0.75	0.0 %	
___ 10	N	Exterior	Frame - Wood	2nd Floor	13.0	18.0	7	8.0	0	148.7	0.084		0.23	0.75	0.0 %	
___ 11	W	Exterior	Frame - Wood	2nd Floor	13.0	13.0	6	8.0	0	108.0	0.084		0.23	0.75	0.0 %	
___ 12	N	Exterior	Frame - Wood	2nd Floor	13.0	18.0	4	8.0	0	146.7	0.084		0.23	0.75	0.0 %	

DOORS												(Total Exposed Area = 20 sq.ft.)		
✓ #	Ornt	Adjacent To	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area			
___ 1	SW	Exterior	Insulated	2nd Floor	None	0.46	3.00	0	6.00	8	20.0ft²			

WINDOWS																(Total Exposed Area = 32 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	SW	1	Vinyl	Low-E Double	Y 0.36	0.25	N	N	4.0	1	2.00	2.00	1.0	2.0	None	None		
___ 2	W	3	Vinyl	Low-E Double	Y 0.36	0.25	N	N	13.8	1	2.67	5.17	1.0	1.0	None	None		
___ 3	E	7	Vinyl	Low-E Double	Y 0.36	0.25	N	N	13.8	1	2.67	5.17	1.0	0.5	None	None		

INFILTRATION										
✓ #	Scope	Method	SLA	CFM50	ELA	EqLA	ACH	ACH50	Space(s)	Infiltration Test Volume
___ 1	Wholehouse	Proposed ACH(50)	0.00036	1133	62.16	116.70	0.1372	7.0	All	9712 cu ft

MASS					
✓ #	Mass Type	Area	Thickness	Furniture Fraction	Space
___ 1	Default(8 lbs/sq.ft.)	0 ft²	0 ft	0.30	2nd Floor

HEATING SYSTEM										
✓ #	System Type/FI. Addition	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	----Geothermal HeatPump---- Entry	Power	Volt	Current	Block
___ 1	Electric Heat Pump/Supplementa	None/Single		HSPF2: 8.80	23.5		0.00	0.00	0.00	sys#1 1

COOLING SYSTEM									
✓ #	System Type/FI. Addition	Subtype/Speed	AHRI #	Efficiency	Capacity kBtu/hr	Air Flow cfm	SHR	Duct	Block
___ 1	Central Unit/Supplementa	None/Single		SEER2:15.5	23.5	705	0.75	sys#1	1

INPUT SUMMARY CHECKLIST REPORT

HOT WATER SYSTEM

√ #	System Type	Subtype	Location	EF(UEF)	Cap	Use	SetPnt	Fixt. Flow	Trap	Pipe Ins.	Pipe length
	Recirculation System	Recirc Control Type	Loop length	Branch length	Pump power	DWHR	Facilities Connected	Equal Flow	DWHR Eff	Other Credits	

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	Attic	6.0	304 ft²	Attic	6.0	61 ft²	Default Leakage	2nd 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	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	78 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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 95

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

22185 S Highway 441,High Springs,FL,32643

1. New construction or existing		Addition	10. Wall Types(1495.3 sqft.)	Insulation	Area
2. Single family or multiple family		Detached	a. Frame - Wood, Exterior	R=13.0	1495.30 ft ²
3. Number of units, if multiple family		1	b. N/A		
4. Number of Bedrooms		1	c. N/A		
5. Is this a worst case?		No	d. N/A		
6. Conditioned floor area above grade (ft ²)		1214	11. Ceiling Types(1214.0 sqft.)	Insulation	Area
Conditioned floor area below grade (ft ²)		0	a. Flat ceiling under att (Vented)	R=38.0	1214.00 ft ²
7. Windows**	Description	Area	b. N/A		
a. U-Factor:	Dbl, U=0.36	31.56 ft ²	c. N/A		
SHGC:	SHGC=0.25		12. Roof(Comp. Shingles, Vented) Deck	R=0.0	1717 ft ²
b. U-Factor:	N/A	ft ²	13. Ducts, location & insulation level	R	ft ²
SHGC:			a. Sup: Attic, Ret: Attic, AH: 2nd Floor	6	304
c. U-Factor:	N/A	ft ²	b.		
SHGC:			c.		
Area Weighted Average Overhang Depth:		1.000 ft	14. Cooling Systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:		0.250	a. Central Unit	23.5	SEER2:15.50
8. Skylights	Description	Area	15. Heating Systems	kBtu/hr	Efficiency
U-Factor:(AVG)	N/A	N/A ft ²	a. Electric Heat Pump	23.5	HSPF2:8.80
SHGC(AVG):	N/A		16. Hot Water Systems - None required		
9. Floor Types	Insulation	Area	a. N/A		N/A
a. Raised Floor	R= 19.0	1214.00 ft ²	b. Conservation features		
b. N/A	R=	ft ²	17. Credits		CV, Pstat
c. N/A	R=	ft ²			

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: 22185 S Highway 441 City/FL Zip: High Springs,FL,32643



*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.

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: 22185 S Highway 441		
City: High Springs	State: FL	Zip: 32643

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

$\frac{\text{CFM}(50)}{\text{Building Volume}} \times 60 \div 9712 = \text{ACH}(50)$ <div style="text-align: center; margin-top: 10px;"> <input type="checkbox"/> 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

Kimberly Mink
22185 S Highway 441
High Springs, FL 32643

Project Title:
Mink Res - 2nd floor

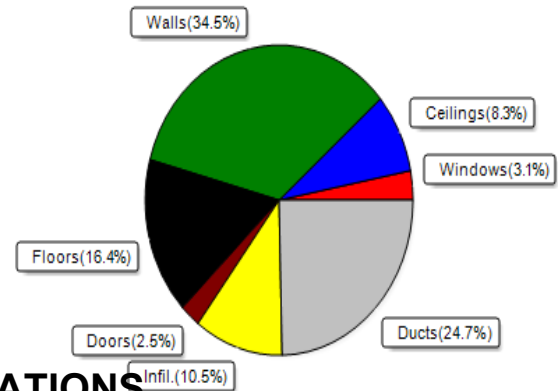
4/15/2026

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	13725 Btuh	Total cooling load calculation	17262 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	171.2 23500	Sensible (SHR = 0.75)	121.0 17625
Heat Pump + Auxiliary(0.0kW)	171.2 23500	Latent	218.1 5875
		Total (Electric Heat Pump)	136.1 23500

WINTER CALCULATIONS

Winter Heating Load (for 1214 sqft)

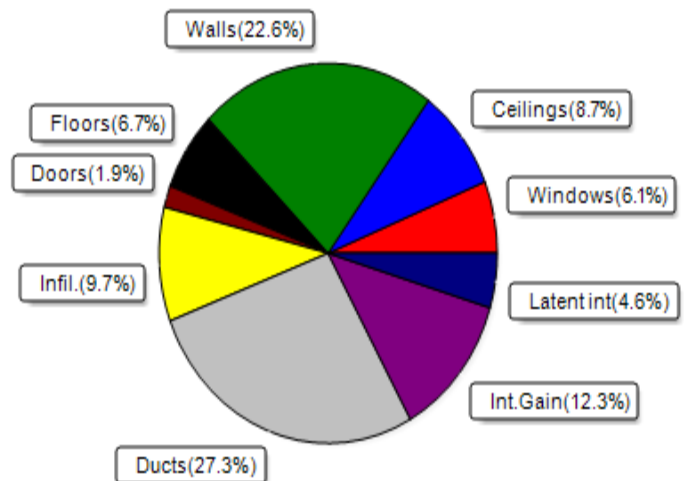
Load component	Load
Window total 32 sqft	420 Btuh
Wall total 1444 sqft	4741 Btuh
Door total 20 sqft	340 Btuh
Ceiling total 1214 sqft	1140 Btuh
Floor total 1214 sqft	2252 Btuh
Infiltration 36 cfm	1439 Btuh
Duct loss	3391 Btuh
Subtotal	13725 Btuh
Ventilation Ex:0 cfm; Sup:0 cfm	0 Btuh
TOTAL HEAT LOSS	13725 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1214 sqft)

Load component	Load
Window total 32 sqft	1060 Btuh
Wall total 1444 sqft	3908 Btuh
Door total 20 sqft	322 Btuh
Ceiling total 1214 sqft	1510 Btuh
Floor total	1157 Btuh
Infiltration 27 cfm	700 Btuh
Internal gain	2120 Btuh
Duct gain	3791 Btuh
Sens.Ventilation Ex:0 cfm; Sup:0 cfm	0 Btuh
Blower Load	0 Btuh
Total sensible gain	14568 Btuh
Latent gain(ducts)	920 Btuh
Latent gain(infiltration)	974 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	800 Btuh
Total latent gain	2694 Btuh
TOTAL HEAT GAIN	17262 Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

4 / 15 / 2026

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Kimberly Mink
22185 S Highway 441
High Springs, FL 32643

Project Title:
Mink Res - 2nd floor
Building Type: User

4/15/2026

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	SW	4.0		13.3	53 Btuh
2	2, NFRC 0.25	Vinyl	0.36	W	13.8		13.3	184 Btuh
3	2, NFRC 0.25	Vinyl	0.36	E	13.8		13.3	184 Btuh
	Window Total				31.6(sqft)			420 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	112		3.28	368 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	147		3.28	482 Btuh
3	Frame - Wood	- Ext	(0.089)	13.0/0.0	158		3.28	520 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	149		3.28	488 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	158		3.28	519 Btuh
6	Frame - Wood	- Ext	(0.089)	13.0/0.0	36		3.28	118 Btuh
7	Frame - Wood	- Ext	(0.089)	13.0/0.0	87		3.28	285 Btuh
8	Frame - Wood	- Ext	(0.089)	13.0/0.0	36		3.28	118 Btuh
9	Frame - Wood	- Ext	(0.089)	13.0/0.0	158		3.28	519 Btuh
10	Frame - Wood	- Ext	(0.089)	13.0/0.0	149		3.28	488 Btuh
11	Frame - Wood	- Ext	(0.089)	13.0/0.0	108		3.28	355 Btuh
12	Frame - Wood	- Ext	(0.089)	13.0/0.0	147		3.28	482 Btuh
	Wall Total				1444(sqft)			4741 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior, n		(0.460)		20		17.0	340 Btuh
	Door Total				20(sqft)			340Btuh
Ceilings	Type/Color/Surface	Ueff.	R-Value		Area	X	HTM=	Load
1	Flat ceil/D/Shing	(0.025)	38.0/0.0		1214		0.94	1140 Btuh
	Ceiling Total				1214(sqft)			1140Btuh
Floors	Type	Ueff.	R-Value		Size	X	HTM=	Load
1	Raised - Open	(0.050)	19.0		1214.0	sqft	1.9	2252 Btuh
	Floor Total				1214	sqft		2252 Btuh
	Envelope Subtotal:							8895 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=		Load
	Natural		0.22	9712	1.00	35.5		1439 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.328)						3391 Btuh	
All Zones	Sensible Subtotal All Zones							13725 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Kimberly Mink
22185 S Highway 441
High Springs, FL 32643

Project Title:
Mink Res - 2nd floor
Building Type: User

4/15/2026

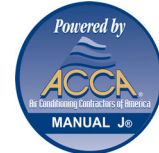
WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	13725 Btuh
	Ventilation Sens. Heat Loss (Ex:0 cfm; Sup:0 cfm)	0 Btuh
	Total Heat Loss	13725 Btuh

EQUIPMENT

1. Electric Heat Pump	#	23500 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

Kimberly Mink
22185 S Highway 441
High Springs, FL 32643

Project Title:
Mink Res - 2nd floor

4/15/2026

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	SW		1.0ft.	2.0ft.	4.0	0.0	4.0	14	27	106 Btuh	
2	2 NFRC	0.25, 0.36	No	No	W		1.0ft.	1.0ft.	13.8	0.0	13.8	14	33	451 Btuh	
3	2 NFRC	0.25, 0.36	No	No	E		1.0ft.	0.5ft.	13.8	0.9	12.9	14	33	435 Btuh	
	Excursion AE														
	Window Total									32 (sqft)					1060 Btuh
Walls	Type	U-Value	R-Value	Area(sqft)		HTM	Load								
			Cav/Sheath												
1	Frame - Wood - Ext	0.09	13.0/0.0	112.0		2.7	303 Btuh								
2	Frame - Wood - Ext	0.09	13.0/0.0	146.7		2.7	397 Btuh								
3	Frame - Wood - Ext	0.09	13.0/0.0	158.2		2.7	428 Btuh								
4	Frame - Wood - Ext	0.09	13.0/0.0	148.7		2.7	402 Btuh								
5	Frame - Wood - Ext	0.09	13.0/0.0	158.0		2.7	428 Btuh								
6	Frame - Wood - Ext	0.09	13.0/0.0	36.0		2.7	97 Btuh								
7	Frame - Wood - Ext	0.09	13.0/0.0	86.9		2.7	235 Btuh								
8	Frame - Wood - Ext	0.09	13.0/0.0	36.0		2.7	97 Btuh								
9	Frame - Wood - Ext	0.09	13.0/0.0	158.0		2.7	428 Btuh								
10	Frame - Wood - Ext	0.09	13.0/0.0	148.7		2.7	402 Btuh								
11	Frame - Wood - Ext	0.09	13.0/0.0	108.0		2.7	292 Btuh								
12	Frame - Wood - Ext	0.09	13.0/0.0	146.7		2.7	397 Btuh								
	Wall Total			1444 (sqft)			3908 Btuh								
Doors	Type	Area (sqft)	HTM	Load											
1	Insulated - Exterior	20.0	16.1	322 Btuh											
	Door Total			322 Btuh											
	20 (sqft)														
Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load									
1	Vented Attic/DarkShingle/RB	0.025	38.0/0.0	1214.0	1.24	1510 Btuh									
	Ceiling Total			1214 (sqft)		1510 Btuh									
Floors	Type	R-Value	Size	HTM	Load										
1	Raised - Open	19.0	1214 (sqft)	1.0	1157 Btuh										
	Floor Total		1214.0 (sqft)		1157 Btuh										
Envelope Subtotal:						7957 Btuh									
Infiltration	Type	Average ACH	Volume(cuft)	Wall Ratio	CFM=	Load									
	Natural	0.16	9712	1	26.6	700 Btuh									
Internal gain	Occupants	Btuh/occupant	Appliance	Load											
	4	X 230	+	1200		2120 Btuh									
Sensible Envelope Load:						10777 Btuh									
Duct load	Average sealed,Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.352)	3791 Btuh										
Sensible Load All Zones						14568 Btuh									

Manual J Summer Calculations

Residential Load - Component Details (continued)

Kimberly Mink
22185 S Highway 441
High Springs, FL 32643

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
Mink Res - 2nd floor

4/15/2026

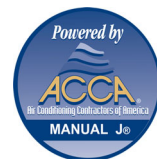
WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	10777 Btuh
	Sensible Duct Load	3791 Btuh
	Total Sensible Zone Loads	14568 Btuh
	Sensible ventilation (Ex:0 cfm; Sup:0 cfm)	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14568 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	974 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	920 Btuh
	Latent occupant gain (4.0 people @ 200 Btuh per person)	800 Btuh
	Latent other gain	0 Btuh
	Latent total gain	2694 Btuh
	TOTAL GAIN	17262 Btuh

EQUIPMENT

1. Central Unit	#	23500 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