

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lee Holloway
280 SW Marynik Dr
High Springs, FL 32643

Project Title:
Lot 10 River Rise SD
Building Type: User

1/19/2026

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
28	Frame - Wood	- Ext	(0.089)	13.0/0.0	53	3.28	175 Btuh
29	Frame - Wood	- Ext	(0.089)	13.0/0.0	107	3.28	350 Btuh
	Wall Total					3559(sqft)	11690 Btuh
Doors	Type	Storm	Ueff.	R-Value	Area X	HTM=	Load
1	Insulated - Garage	n	(0.460)		24	17.0	408 Btuh
2	Insulated - Exterior	n	(0.460)		21	17.0	363 Btuh
	Door Total					45(sqft)	772Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area X	HTM=	Load
1	Flat ceil/D/Shing		(0.025)	38.0/0.0	3321	0.94	3119 Btuh
2	Flat ceil/D/Shing		(0.025)	38.0/0.0	727	0.94	683 Btuh
	Ceiling Total					4048(sqft)	3801Btuh
Floors	Type		Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	312.4 ft(perim.)	43.7	13639 Btuh
2	Raised Wood - Adj		(0.050)	19.0	661.0 sqft	1.9	1226 Btuh
	Floor Total					3680 sqft	14866 Btuh
Envelope Subtotal:							37762 Btuh
Infiltration	Type	Wholehouse	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	Natural		0.31	35478	1.00	184.5	7473 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att)					(DLM of 0.226)	10219 Btuh
All Zones	Sensible Subtotal All Zones						55454 Btuh

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss	55454 Btuh
	Ventilation Sens. Heat Loss (Ex:0 cfm; Sup:0 cfm)	0 Btuh
	Total Heat Loss	55454 Btuh

EQUIPMENT

1. Electric Heat Pump	#	59898 Btuh
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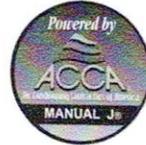
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Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)



Version 8