



Project Summary

main floor
D.L. Williams Heating & Cooling LLC

Job: 1
Date: Sep 29, 2020
By: DL Williams Heating & C...
Plan: 1

PO Box 2156, Lake City, FL 32056 Phone: 386-754-1987 Email: williamscoolingllc@gmail.com Web: dlwilliamsheatingandcooling.com

Project Information

For: Janelle Burnette Residence
TBD, Lake City, FL 32024
Phone: 561-373-6657
Email: jenellewbp@aol.com

Notes:

Design Information

Weather: Gainesville Regional AP, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	68 °F
Design TD	35 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	47 gr/lb

Heating Summary

Structure	21459 Btuh
Ducts	6947 Btuh
Central vent (79 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	28407 Btuh

Sensible Cooling Equipment Load Sizing

Structure	24078 Btuh
Ducts	10008 Btuh
Central vent (79 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	33063 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

Latent Cooling Equipment Load Sizing

Structure	2164 Btuh
Ducts	1835 Btuh
Central vent (79 cfm)	0 Btuh
Equipment latent load	3999 Btuh
Equipment Total Load (Sen+Lat)	37063 Btuh
Req. total capacity at 0.70 SHR	3.9 ton

	Heating	Cooling
Area (ft ²)	1736	1736
Volume (ft ³)	21916	21916
Air changes/hour	0.27	0.13
Equiv. AVF (cfm)	98	49

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
AHRI ref	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
AHRI ref	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



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...htsoft HVAC\Trane\Janelle Burnett Residence.rup Calc = MJ8 Front Door faces: W

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