



Project Summary
Entire House
Glenn I. Jones, Inc.

Job:
Date: Aug 12, 2012
By:

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Project Information

For: Sylvia Stokes
259 NW Cypress Cove Dr, Lake City, FL 32055
Phone: 386-397-8505

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	24576 Btuh
Ducts	6774 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	31350 Btuh

Sensible Cooling Equipment Load Sizing

Structure	20482 Btuh
Ducts	8392 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh

Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	28008 Btuh

Infiltration

Method	Simplified
Construction quality	Semi-tight
Fireplaces	0

	Heating	Cooling
Area (ft ²)	1820	1820
Volume (ft ³)	18200	18200
Air changes/hour	0.34	0.18
Equiv. AVF (cfm)	103	55

Latent Cooling Equipment Load Sizing

Structure	3520 Btuh
Ducts	1910 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	5430 Btuh

Equipment total load	33438 Btuh
Req. total capacity at 0.84 SHR	2.8 ton

Heating Equipment Summary

Make Carrier
Trade Comfort 15
Model 25HBC536
AHRI ref no3645945

Efficiency	8.7 HSPF
Heating input	
Heating output	34800 Btuh @ 47°F
Temperature rise	26 °F
Actual air flow	1205 cfm
Air flow factor	0.038 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make Carrier	
Trade Comfort 15	
Cond 25HBC536	
Coil FX4DNF037T00	
AHRI ref no3645945	
Efficiency	15 SEER
Sensible cooling	29232 Btuh
Latent cooling	5568 Btuh
Total cooling	34800 Btuh
Actual air flow	1205 cfm
Air flow factor	0.042 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.84

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



Right-Suite® Universal 2012 12.0.04 RSU01086
R:\Wrightsoft HVAC\Project\sylvia stokes.rup Calc = MJ8 Front Door faces: N

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GLENN I. JONES INC.

COOLING • HEATING

SPECIALISTS

State Cert. # CAC051486

552 N.W. Hilton Ave. Lake City, FL 32055

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08/12/2012

Reference:HVAC permit:

Stokes Residence

Material proposal

Mastic

Foil tape

Insulation wrap

Pvc drain piping

Equipment:

Carrier 25HBC536, FX4DNF037T00, CE0801N08, TC-NHP01