



Project Summary
Entire House
 Glenn I. Jones, Inc.

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Job:
 Date: Oct 24, 2012
 By:

552 NW Hilton Ave, Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: byron@gijinc.com Web: www.glennijonesinc.com

Project Information

For: Carole Metcalf
 423 NW Slappy Dr., Lake City, FL 32055
 Phone: 758-2325

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 26350 Btuh
 Ducts 6370 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 32720 Btuh

Sensible Cooling Equipment Load Sizing

Structure 18141 Btuh
 Ducts 7880 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.97
 Equipment sensible load 25240 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 1 (Average)

	Heating	Cooling
Area (ft ²)	1890	1890
Volume (ft ³)	18900	18900
Air changes/hour	0.56	0.26
Equiv. AVF (cfm)	178	82

Latent Cooling Equipment Load Sizing

Structure 4479 Btuh
 Ducts 1767 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 6246 Btuh
 Equipment total load 31487 Btuh
 Req. total capacity at 0.70 SHR 3.0 ton

Heating Equipment Summary

Make Carrier
 Trade Carrier
 Model 58CVA090116
 AHRI ref no.
 Efficiency 100 AFUE
 Heating input 23194 Btuh
 Heating output 23194 Btuh
 Temperature rise 20 °F
 Actual air flow 1079 cfm
 Air flow factor 0.033 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat

Cooling Equipment Summary

Make Carrier
 Trade Comfort 16
 Cond 24ABC636A003
 Coil CNPVP4821ALA
 AHRI ref no.3630566
 Efficiency 16 SEER
 Sensible cooling 23520 Btuh
 Latent cooling 10080 Btuh
 Total cooling 33600 Btuh
 Actual air flow 1079 cfm
 Air flow factor 0.041 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.81

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



Wrightsoft

Right-Suite® Universal 2012 12.0.04 RSU01086

R:\Wrightsoft HVAC\Project\Carole Metcalf.rup Calc = MJ8 Front Door faces: N

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This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2011.

Certificate of Product Ratings

AHRI Certified Reference Number: 3630566 Date: 10/25/2012

Product: Split System: Air-Cooled Condensing Unit, Coil with Blower
Outdoor Unit Model Number: 24ABC636A**30
Indoor Unit Model Number: CNPV*4821A**
Furnace Model Number: 58CV(A,X)090-16
Manufacturer: CARRIER AIR CONDITIONING
Trade/Brand name: BASE 16 PURON AC

Manufacturer responsible for the rating of this system combination is CARRIER AIR CONDITIONING

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	33600
EER Rating (Cooling):	13.00
SEER Rating (Cooling):	16.00

* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

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CERTIFICATE VERIFICATION

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