



**Project Summary**  
**Entire House**  
**Waller Heating and Air Conditioning**

**Job:** Jackson  
**Date:** 01/12/26  
**By:** Chad Slaughter

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**Project Information**

For: America's Home Place, Foye and Kelly Jackson  
 Lona Loop, Lake City, FL

Notes:

**Design Information**

Weather: Tallahassee Regional, FL, US

**Winter Design Conditions**

Outside db **31** °F  
 Inside db **68** °F  
 Design TD **37** °F

**Summer Design Conditions**

Outside db **97** °F  
 Inside db **72** °F  
 Design TD **25** °F  
 Daily range **M**  
 Relative humidity **50** %  
 Moisture difference **41** gr/lb

**Heating Summary**

Structure 19001 Btuh  
 Ducts 4650 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Humidification 0 Btuh  
 Piping 0 Btuh  
 Equipment load 23651 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 19328 Btuh  
 Ducts 5821 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Blower 0 Btuh  
 Use manufacturer's data n  
 Rate/swing multiplier 1.02  
 Equipment sensible load 25652 Btuh

**Infiltration**

Method Simplified  
 Construction quality Tight  
 Fireplaces 0

**Latent Cooling Equipment Load Sizing**

Structure 1823 Btuh  
 Ducts 599 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Equipment latent load 2422 Btuh

	<b>Heating</b>	<b>Cooling</b>
Area (ft <sup>2</sup> )	1652	1652
Volume (ft <sup>3</sup> )	19188	19188
Air changes/hour	0.14	0.07
Equiv. AVF (cfm)	45	22

**Equipment Total Load (Sen+Lat)** 28074 Btuh  
 Req. total capacity at 0.70 SHR 3.1 ton

**Heating Equipment Summary**

Make  
 Trade  
 Model  
 AHRI ref

Efficiency 0 HSPF  
 Heating input  
 Heating output 0 Btuh @ 47°F  
 Temperature rise 0 °F  
 Actual air flow 1279 cfm  
 Air flow factor 0.054 cfm/Btuh  
 Static pressure 0 in H2O  
 Space thermostat  
 Capacity balance point = 0 °F

**Cooling Equipment Summary**

Make  
 Trade  
 Cond  
 Coil  
 AHRI ref  
 Efficiency 0 SEER  
 Sensible cooling 0 Btuh  
 Latent cooling 0 Btuh  
 Total cooling 0 Btuh  
 Actual air flow 1279 cfm  
 Air flow factor 0.051 cfm/Btuh  
 Static pressure 0 in H2O  
 Load sensible heat ratio 0.91

Backup:  
 Input = 9 kW, Output = 30702 Btuh, 100 AFUE

*Bold/italic values have been manually overridden*

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

