



**Load Short Form**  
**Entire House**  
**SHATTO HEATING & AIR, INC.**

Job: ODUM RESIDENCE  
Date: May 06, 2021  
By: Kagny Kingery

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**Project Information**

For: AMERICA'S HOME PLACE  
9200 NW 39TH AVE SUITE 190, GAINESVILLE, FL 32606  
Phone: 352-244-8247  
Email: ALOCAY@AMERICASHOMEPLACE.COM

**Design Information**

|                             | Htg | Clg | Infiltration         | Simplified |
|-----------------------------|-----|-----|----------------------|------------|
| Outside db (°F)             | 33  | 92  | Method               | Average    |
| Inside db (°F)              | 70  | 75  | Construction quality | 0          |
| Design TD (°F)              | 37  | 17  | Fireplaces           |            |
| Daily range                 | -   | M   |                      |            |
| Inside humidity (%)         | 50  | 50  |                      |            |
| Moisture difference (gr/lb) | 33  | 45  |                      |            |

**HEATING EQUIPMENT**

Make THE TRANE COMPANY  
Trade THE TRANE COMPANY  
Model 4TWR6030/4TWR6018  
AHRI ref  
Efficiency 8.5 HSPF  
Heating input  
Heating output 46807 Btuh @ 47°F  
Temperature rise 27 °F  
Actual air flow 1592 cfm  
Air flow factor 0.046 cfm/Btuh  
Static pressure 0 in H2O  
Space thermostat  
Capacity balance point = 11 °F

Backup:

Input = 9 kW, Output = 31370 Btuh, 100 AFUE

**COOLING EQUIPMENT**

Make THE TRANE COMPANY  
Trade THE TRANE COMPANY  
Cond 4TWR6030/4TWR6018  
Coil TEM6A0C30/TEM6A0C18  
AHRI ref  
Efficiency 12.8 EER, 16 SEER  
Sensible cooling 33573 Btuh  
Latent cooling 14388 Btuh  
Total cooling 47961 Btuh  
Actual air flow 1592 cfm  
Air flow factor 0.039 cfm/Btuh  
Static pressure 0 in H2O  
Load sensible heat ratio 0.83

| ROOM NAME      | Area (ft²) | Htg load (Btuh) | Clg load (Btuh) | Htg AVF (cfm) | Clg AVF (cfm) |
|----------------|------------|-----------------|-----------------|---------------|---------------|
| MASTER BATH    | 182        | 3850            | 4124            | 176           | 162           |
| TOILET #2      | 21         | 1550            | 1261            | 71            | 50            |
| WIC #2         | 48         | 2083            | 1094            | 95            | 43            |
| LVG/DNG/KIT    | 690        | 12733           | 9839            | 583           | 386           |
| UTILITY        | 56         | 1297            | 4116            | 59            | 162           |
| TOILET         | 28         | 0               | 819             | 0             | 32            |
| MASTER BEDROOM | 224        | 3631            | 2779            | 166           | 109           |
| HALL           | 20         | 0               | 0               | 0             | 0             |
| BEDROOM #3     | 221        | 3876            | 4933            | 177           | 194           |
| BATH #2        | 72         | 1355            | 1780            | 62            | 70            |
| WIC #3         | 31         | 678             | 1135            | 31            | 45            |
| BEDROOM #2     | 168        | 2819            | 8384            | 129           | 329           |
| HALLWAY        | 21         | 0               | 0               | 0             | 0             |
| WIC            | 28         | 902             | 288             | 41            | 11            |

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