



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

31
Job: YATES RESIDENCE
Date: May 10, 2024
By: KARLY SHATTO

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Project Information

For: FEAGIN CONSTRUCTION
PO BOX 1537, HIGH SPRINGS, FL 32643
Phone: 352-316-6767

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 4TWR4048
AHRI ref 8908430
Efficiency 8.5 HSPF2
Heating input
Heating output 46500 Btuh @ 47°F
Temperature rise 27 °F
Actual air flow 1550 cfm
Air flow factor 0.053 cfm/Btuh
Static pressure 0 in H2O
Space thermostat
Capacity balance point = 21 °F

COOLING EQUIPMENT

Make THE TRANE COMPANY
Trade THE TRANE COMPANY
Cond 4TWR4048
Coil TEM4A0C48
AHRI ref 8908430
Efficiency 11.5 EER2, 14.3 SEER2
Sensible cooling 32550 Btuh
Latent cooling 13950 Btuh
Total cooling 46500 Btuh
Actual air flow 1550 cfm
Air flow factor 0.050 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.85

Backup:

Input = 9 kW, Output = 29370 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
LAUNDRY	91	2878	3196	152	161
MUD/PANTRY	79	1164	527	61	27
BATH	28	1114	1340	59	68
MASTER BATH	91	116	1007	6	51
CLOSET	42	971	335	51	17
.BATH	42	62	82	3	4
HALL	35	0	0	0	0
MASTER BEDROOM	221	4833	5336	255	269
KIT/DNG/LVG	814	7724	9357	408	472
BEDROOM 2	165	4285	4284	226	216
HALL	36	0	0	0	0
A/C	18	0	0	0	0
BATH.	78	1964	2249	104	114
Room14	35	0	0	0	0

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



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Room15	28	57	76	3	4
BEDROOM 3	195	4201	2920	222	147
Entire House	1998	29370	30710	1550	1550
Other equip loads		0	0		
Equip. @ 1.00 RSM			30710		
Latent cooling			5441		
TOTALS	1998	29370	36151	1550	1550

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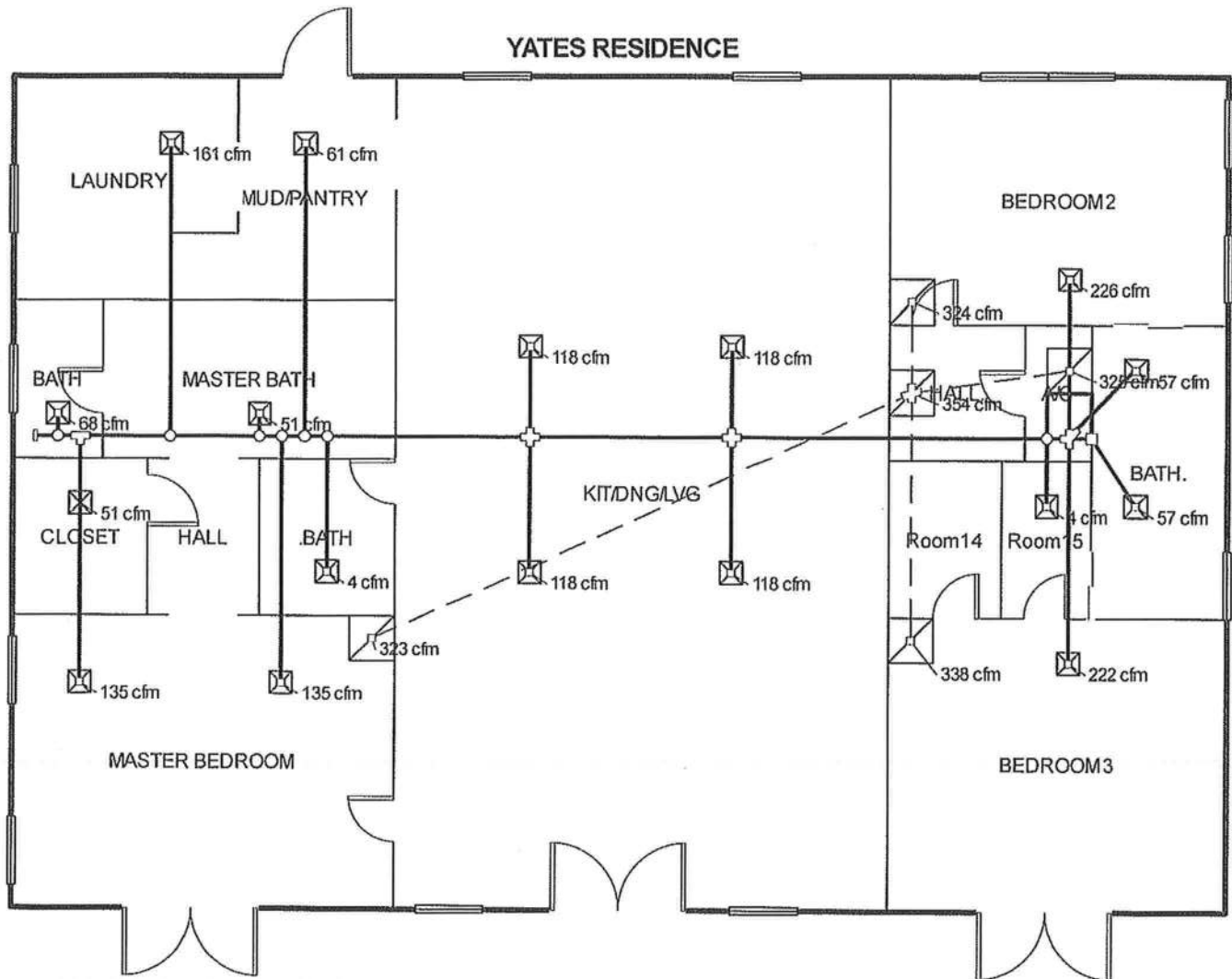


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Performed by KARLY SHATTO for:
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