



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



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Job: FEAGIN RESIDENCE  
 Date: Sep 06, 2024  
 By: KARLY SHATTO

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**Project Information**

For: FEAGIN CONSTRUCTION

**Design Information**

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

**HEATING EQUIPMENT**

Make THE TRANE COMPANY  
 Trade THE TRANE COMPANY  
 Model 4TWR5060  
 AHRI ref 203118872

Efficiency 8.5 HSPF2  
 Heating input  
 Heating output 52500 Btuh @ 47°F  
 Temperature rise 25 °F  
 Actual air flow 1900 cfm  
 Air flow factor 0.056 cfm/Btuh  
 Static pressure 0 in H2O  
 Space thermostat  
 Capacity balance point = 20 °F

**COOLING EQUIPMENT**

Make THE TRANE COMPANY  
 Trade THE TRANE COMPANY  
 Cond 4TWR5060  
 Coil TEM4A0C61  
 AHRI ref 203118872

Efficiency 12.0 EER2, 14.3 SEER2  
 Sensible cooling 39900 Btuh  
 Latent cooling 17100 Btuh  
 Total cooling 57000 Btuh  
 Actual air flow 1900 cfm  
 Air flow factor 0.048 cfm/Btuh  
 Static pressure 0 in H2O  
 Load sensible heat ratio 0.81

Backup:  
 Input = 10 kW. Output = 33851 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
MASTER BEDROOM	267	5038	3956	283	190
BATH	143	2145	2943	120	142
T	21	0	0	0	0
HALL	12	0	0	0	0
CL	6	0	0	0	0
CLOSET	104	3825	3107	215	149
HALL	30	0	0	0	0
CL	10	0	0	0	0
Room9	40	0	0	0	0
LVG/KIT	651	814	6415	46	308
OFFICE	117	2547	3202	143	154
DINING	110	2119	3085	119	148
FOYER	83	1438	2042	81	98
Room18	24	547	238	31	11

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



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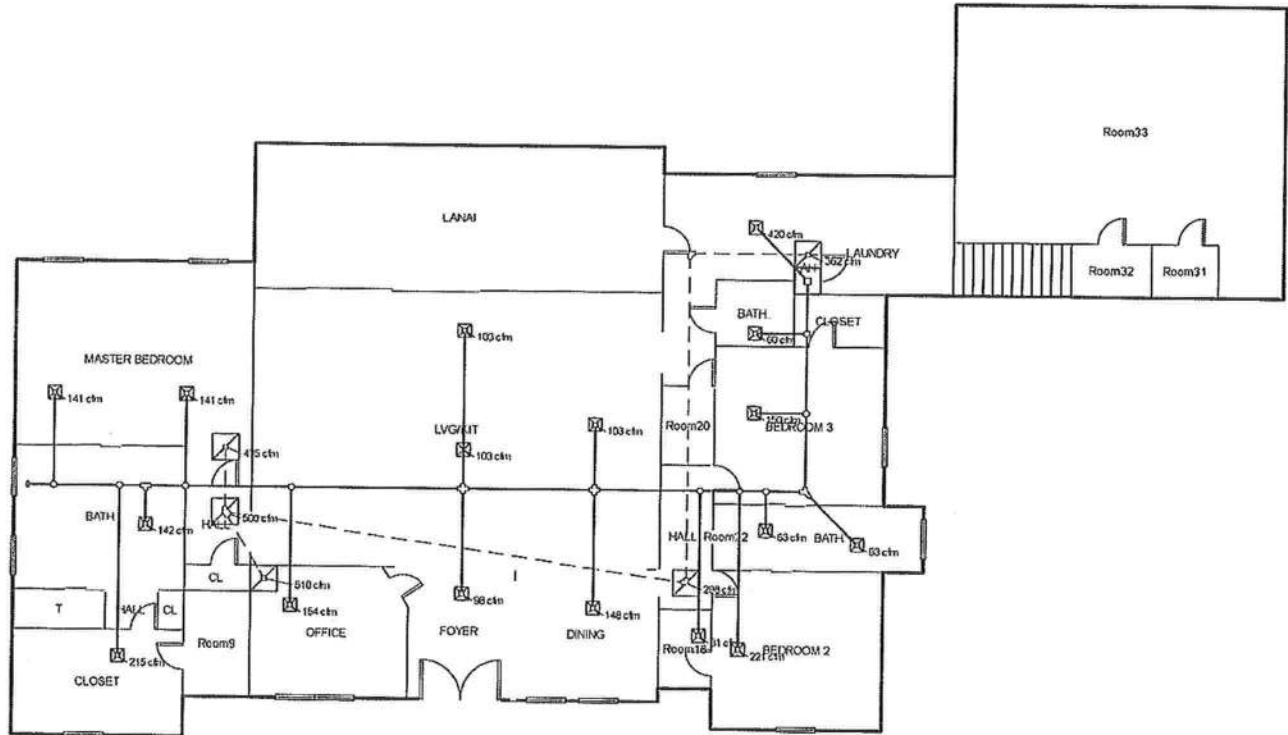
Project1.rup Calc = MJ8 Front Door faces: N

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FEAGIN RESIDENCE



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Performed by KARLY SHATTO for:  
FEAGIN CONSTRUCTION

SHATTO HEATING & AIR, INC.

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