



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

Job: HOLMES RESIDENCE
Date: JUNE 22, 2020
By: KIM SHATTO

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Project Information

For: PLUMB LEVEL CONSTRUCTION
232 CHADLEY LANE, LAKE CITY, FL 32055
Phone: 386-365-5264

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Semi-loose
Design TD (°F)	37	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	33	52		

0

HEATING EQUIPMENT

Make THE TRANE COMPANY
Trade XR 14 WEATHERTON
Model 4TWR4048
AHRI ref
Efficiency 8.2 HSPF
Heating input
Heating output 45500 Btuh @ 47°F
Temperature rise 26 °F
Actual air flow 1600 cfm
Air flow factor 0.040 cfm/Btuh
Static pressure 0 in H2O
Space thermostat

COOLING EQUIPMENT

Make THE TRANE COMPANY
Trade XR 14 WEATHERTON
Cond 4TWR4048
Coil TEM4A0C48
AHRI ref
Efficiency 12.2 EER, 14 SEER
Sensible cooling 32200 Btuh
Latent cooling 13800 Btuh
Total cooling 46000 Btuh
Actual air flow 1600 cfm
Air flow factor 0.040 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)
LVNG/DIN/KIT	825	12295	16416	486	650
BATH	66	912	982	36	39
BDRM	224	6176	6321	244	250
BDRM 1	216	3940	4142	156	164
FOYER	60	2563	976	101	39
MST BDRM	264	3475	3761	137	149
UTILITY	54	1433	1770	57	70
MST BATH	238	6468	4917	256	195
WIC	99	2853	939	113	37
HALL	18	298	112	12	4
HALL 1	30	47	68	2	3

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



Right-Suite® Universal 2015 15.0.19 RSU15261

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Entire House	2094	40461	40405	1600	1600
Other equip loads		0	0		
Equip. @ 0.97 RSM			39192		
Latent cooling			8256		
TOTALS	2094	40461	47448	1600	1600

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