



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

Job: SPARKS RESIDENCE
 Date: January 15, 2021
 By: KIM SHATTO

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Project Information

For: PLUMB LEVEL CONSTRUCTION
 232 CHADLEY LANE, LAKE CITY, FL 32055
 Phone: 386-365-8264

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 0.039 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 0.039 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)
LVNG/DIN/KIT	775	11998	16305	464	637
BATH	54	899	960	35	38
BDRM	266	7085	6664	274	260
BDRM 1	320	4934	4615	191	180
FOYER	60	2578	983	100	38
MST BDRM	323	3716	3949	144	154
UTILITY	84	2032	1992	79	78
MST BATH	165	5298	4488	205	175
WIC	88	2718	886	105	35
ARRIVAL	18	28	41	1	2
PANTRY	30	47	68	2	3

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

Entire House	2183	41333	40951	1600	1600
Other equip loads		0	0		
Equip. @ 0.97 RSM			39722		
Latent cooling			8432		
TOTALS	2183	41333	48154	1600	1600

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