



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

Job: CHASTAIN RESIDENCE
Date: Oct 07, 2021
By: KIM SHATTO

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Project Information

For: G BUZBEE INC
17774 NW US HWY 441, HIGH SPRINGS, FL 32643
Phone: 386-454-2555
Email: GARRETT@GBUZBEE.COM

Design Information

	Htg	Clg		Infiltration	
Outside db (°F)	33	92	Method		Simplified
Inside db (°F)	70	75	Construction quality		Average
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 4TWR6048
AHRI ref
Efficiency 8.5 HSPF
Heating input
Heating output 30670 Btuh @ 47°F
Temperature rise 18 °F
Actual air flow 1568 cfm
Air flow factor 0.053 cfm/Btuh
Static pressure 0 in H2O
Space thermostat
Capacity balance point = 30 °F

COOLING EQUIPMENT

Make THE TRANE COMPANY
Trade THE TRANE COMPANY
Cond 4TWR6048
Coil TEM6A0C48
AHRI ref
Efficiency 12.8 EER, 16 SEER
Sensible cooling 21576 Btuh
Latent cooling 9247 Btuh
Total cooling 30823 Btuh
Actual air flow 1568 cfm
Air flow factor 0.041 cfm/Btuh
Static pressure 0 in H2O
Load sensible heat ratio 0.80

Backup:

Input = 8 kW, Output = 25877 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BEDROOM 1	132	2140	3081	113	127
BATH	48	508	899	27	37
BEDROOM 2	143	2233	3290	118	135
KIT/LVNG/DNG	942	10731	9685	568	398
UTILITY	108	1418	2035	75	84
ENTRY	60	441	928	23	38
BATH 2	18	48	725	3	30
WIC	42	112	2561	6	105
MASTER BEDROOM	210	3727	5574	197	229
CLOSET	56	1098	1069	58	44
MASTER BATH	156	2870	4165	152	171
TOILET 2	24	254	790	13	32
MST BATH	32	86	760	5	31
HALLWAY	68	1733	949	92	39

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

OFFICE	117	1808	720	96	30
PANTRY	27	306	830	16	34
CLOSET 2	18	48	44	3	2
HALL	18	48	44	3	2
Entire House	2219	29608	38150	1568	1568
Other equip loads		0	0		
Equip. @ 0.97 RSM			37006		
Latent cooling			9693		
TOTALS	2219	29608	46699	1568	1568

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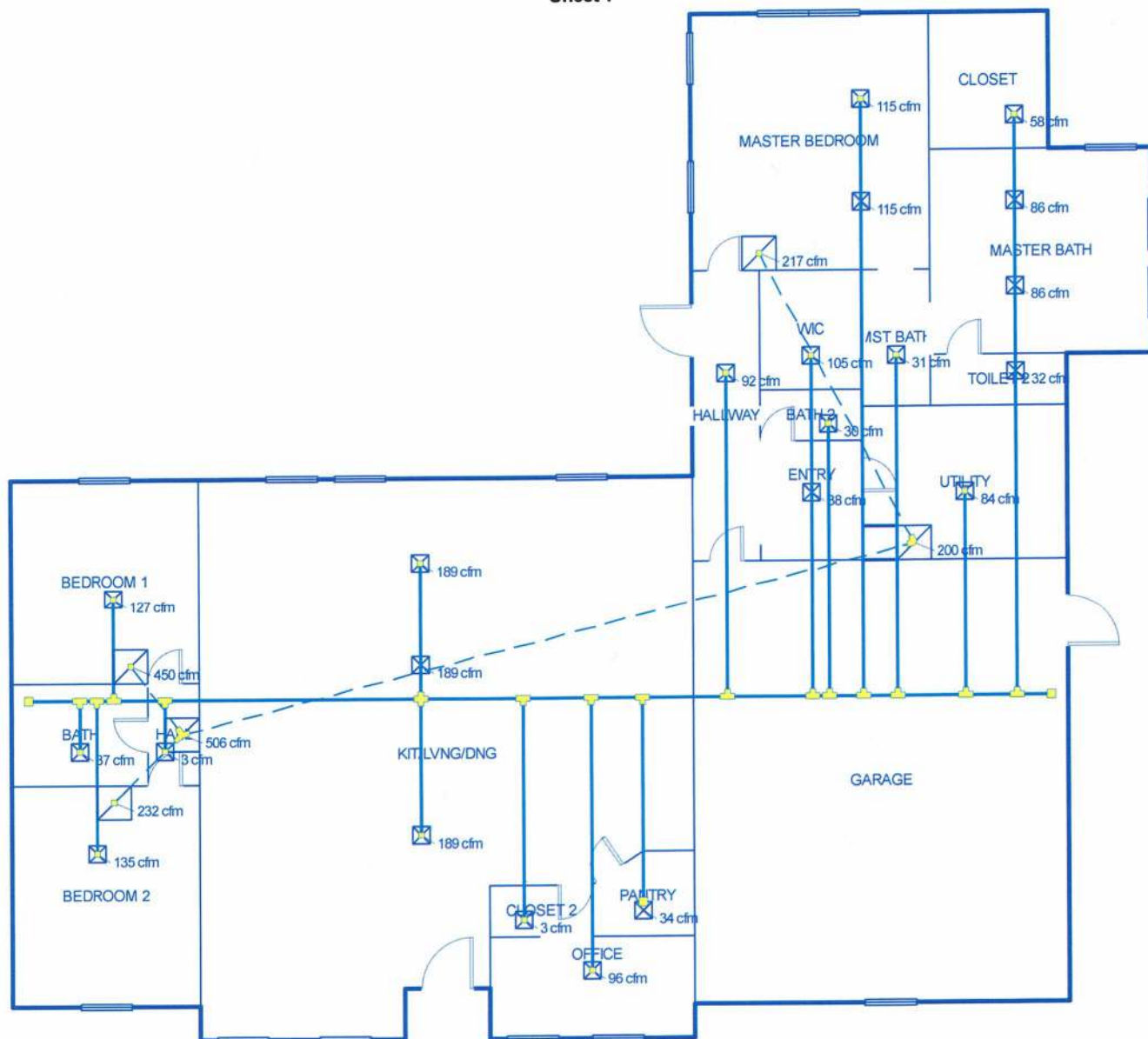
...rvi\Documents\Right Suite Jobs\GBI Chastain.rup Calc = MJ8 Front Door faces: N

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Sheet 1



Job #: CHASTAIN RESIDENCE
Performed by KIM SHATTO for:

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