



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

Job: CASTAGNA CONSTRU.
 Date: 6/12/2013
 By: TIM SHATTO

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Project Information

For: CASTAGNA CONSTRUCTION
 LAKE CITY, FL 32055
 Phone: 386-755-6737

Design Information

	Htg	Clg	
Outside db (°F)	33	92	Method
Inside db (°F)	70	75	Construction quality
Design TD (°F)	37	17	Fireplaces
Daily range	-	M	
Inside humidity (%)	30	50	
Moisture difference (gr/lb)	11	52	

Infiltration



HEATING EQUIPMENT

Make TRANE COMPANY
 Trade XB13 WEATHERTRON
 Model 4TWP3060A1000AA
 AHRI ref no.

Efficiency 9 HSPF
 Heating input
 Heating output 52000 Btuh @ 47°F
 Temperature rise 30 °F
 Actual air flow 1600 cfm
 Air flow factor 0.036 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat

COOLING EQUIPMENT

Make TRANE COMPANY
 Trade XB13 WEATHERTRON
 Cond 4TWP3060A1000AA
 Coil 4TEC3F60A1000A
 AHRI ref no.
 Efficiency 11.2 EER, 13 SEER
 Sensible cooling 39550 Btuh
 Latent cooling 16950 Btuh
 Total cooling 56500 Btuh
 Actual air flow 1600 cfm
 Air flow factor 0.029 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.94

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BEDROOM	195	3820	4021	138	118
BATH	90	1435	1692	52	50
BEDROOM #2	225	4286	4579	154	135
LIVING ROOM	794	11989	15082	432	444
KITCHEN	156	2511	3190	90	94
DINING ROOM	182	2929	3435	106	101
LAUNDRY	110	2846	5182	103	152
OFFICE	66	796	1113	29	33
MASTER BATH	143	1725	2410	62	71
CLOSET	10	121	169	4	5
MASTER BEDROOM	374	6733	8175	243	241
WIC	36	434	607	16	18
BEDROOM #3	168	3651	3644	132	107
CLOSET #2	49	1115	1088	40	32

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



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Calc = MJ8 Front Door faces:

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Entire House	d	2598	44392	54386	1600	1600
Other equip loads			0	0		
Equip. @ 0.97 RSM				52755		
Latent cooling				3733		
TOTALS		2598	44392	56487	1600	1600

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