



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

Job: LAKE CITY PLANS
 Date:
 By: KARLY SHATTO

595 WEST MAIN STREET, LAKE BUTLER, FL 32054 Phone: 386-496-8224 Fax: 386-496-9065 Email: SERVICE@SHATTOAIR.COM Web: WWW.SHATTOAIR.COM License: CAC057...

Project Information

For: WENTWORTH CONSTRUCTION
 Phone: 850-295-3016



Design Information

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

HEATING EQUIPMENT

Make THE TRANE COMPANY
 Trade THE TRANE COMPANY
 Model 4TWR4036
 AHRI ref 9968428
 Efficiency 8.5 HSPF2
 Heating input
 Heating output 34200 Btuh @ 47°F
 Temperature rise 26 °F
 Actual air flow 1220 cfm
 Air flow factor 0.055 cfm/Btuh
 Static pressure 0 in H2O
 Space thermostat
 Capacity balance point = 21 °F

COOLING EQUIPMENT

Make THE TRANE COMPANY
 Trade THE TRANE COMPANY
 Cond 4TWR4036
 Coil TEM4A0C36
 AHRI ref 9968428
 Efficiency 11.5 EER2, 14.3 SEER2
 Sensible cooling 25620 Btuh
 Latent cooling 10980 Btuh
 Total cooling 36600 Btuh
 Actual air flow 1220 cfm
 Air flow factor 0.055 cfm/Btuh
 Static pressure 0 in H2O
 Load sensible heat ratio 0.85

Backup:

Input = 7 kW, Output = 22431 Btuh, 100 AFUE

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BEDROOM 3	132	3616	2922	198	162
CLO.	16	0	0	0	0
BATH 2	64	1262	1602	69	89
BEDROOM 2	132	3745	3182	205	176
CLO	16	0	0	0	0
HALL	40	0	0	0	0
LVG/DNG/KIT/ENT	666	6215	7726	341	427
BEDROOM 1	169	3912	3050	214	169
HALL	96	0	0	0	0
BATH 1	72	1139	1573	62	87
.CLO.	63	997	1517	55	84
LAUNDRY	58	1360	473	75	26
Room15	8	20	28	1	2

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



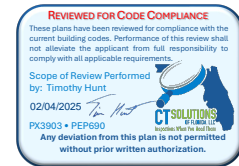
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Entire House	1532	22266	22073	1220	1220
Other equip loads		0	0		
Equip. @ 1.00 RSM			22073		
Latent cooling			4012		
TOTALS	1532	22266	26085	1220	1220



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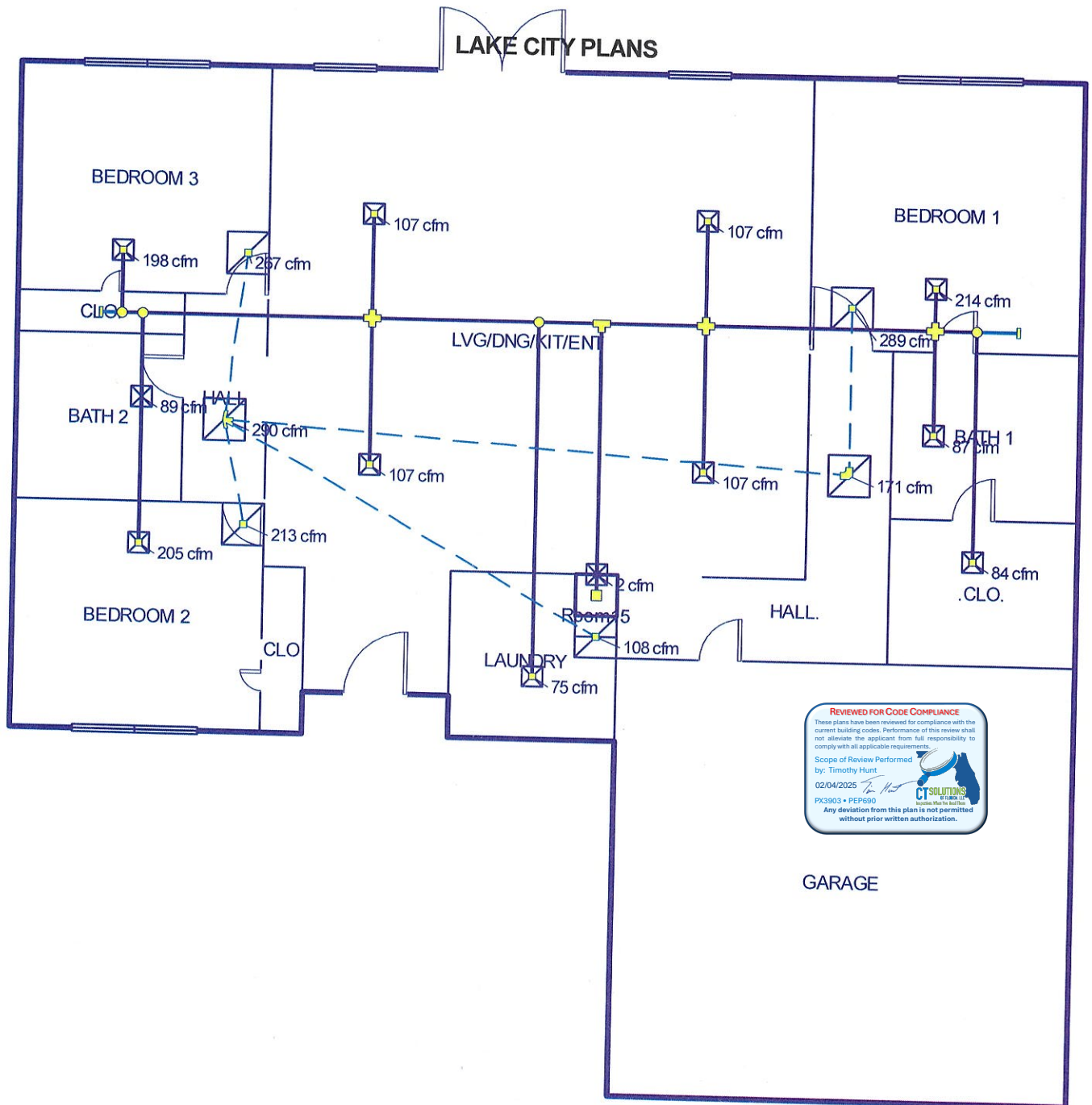
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LAKE CITY PLANS



Job #: LAKE CITY PLANS
Performed by KARLY SHATTO for:
WENTWORTH CONSTRUCTION

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Scale: 1 : 89

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