

**TRANE****Load Short Form***Entire House***DL Williams Heating & Cooling L.L.C.**

Job: 1
 Date: Jul 28, 2021
 By: DL Williams Heating & C...
 Plan: 1134-b

PO Box 2156, Lake City, FL 32056 Phone: 386-754-1987 Email: williamscoolingllc@gmail.com

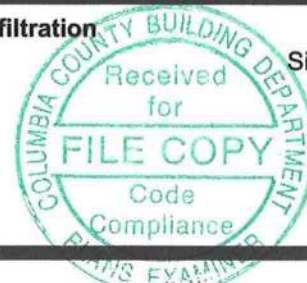
Project Information

For: Forest Country Sub, Mike Todd Construction
 255 SW Pinehurst Dr, Lake City, FL

Design Information

	Htg	Clg	
Outside db (°F)	33	92	Method
Inside db (°F)	68	75	Construction quality
Design TD (°F)	35	17	Fireplaces
Daily range	-	M	
Inside humidity (%)	30	50	
Moisture difference (gr/lb)	8	44	

Infiltration
 Simplified Average
 0

**HEATING EQUIPMENT**

Make Generic
 Trade
 Model SEER 15.0, HSPF 8.5
 AHRI ref

Efficiency 8.5 HSPF
 Heating input
 Heating output 43271 Btuh @ 47°F
 Temperature rise 27 °F
 Actual air flow 1450 cfm
 Air flow factor 0.039 cfm/Btuh
 Static pressure 0.50 in H2O
 Space thermostat
 Capacity balance point = 30 °F

Backup:
 Input = 11 kW, Output = 39229 Btuh, 100 AFUE

COOLING EQUIPMENT

Make Generic
 Trade
 Cond SEER 15.0, HSPF 8.5
 Coil

AHRI ref
 Efficiency 12.8 EER, 15 SEER
 Sensible cooling 30441 Btuh
 Latent cooling 13046 Btuh
 Total cooling 43488 Btuh
 Actual air flow 1450 cfm
 Air flow factor 0.046 cfm/Btuh
 Static pressure 0.50 in H2O
 Load sensible heat ratio 0.82

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
fam	216	3814	3082	148	142
breakfast	120	3880	2828	150	131
br2	154	2135	1884	83	87
br3	158	1945	1836	75	85
bath2	54	79	69	3	3
kit	168	1092	3462	42	160
great	579	7622	7735	295	357
mbed	267	4898	2734	190	126
wic2	45	54	47	2	2
wic1	45	1054	385	41	18
lav1	20	718	828	28	38
mbath	139	2762	1608	107	74
study	172	4273	1945	165	90
bath	48	58	50	2	2

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



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...eTodd Const Forest Country 255 SW Pinehurst.rup Calc = MJ8 Front Door faces: N

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laundry	63	102	822	4	38
hall	84	0	0	0	0
dining	169	2969	2096	115	97
Entire House	2501	37456	31413	1450	1450
Other equip loads		2884	1425		
Equip. @ 0.97 RSM			31918		
Latent cooling			7173		
TOTALS	2501	40340	39091	1450	1450

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