



Load Short Form
Entire House
CAD of Ocala, LLC

Job: Roberts Residence
Date: Nov 21, 2013
By: JAC

53 Hemlock Radial Loop, Ocala, FL 34472 Phone (352) 390-5609 Fax. (352) 292-4288 Email Design@cadofocala.com Web. WWW.cadofocala.com

Project Information

For: Mike Roberts

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	34	93	Method	Average
Inside db (°F)	70	75	Construction quality	0
Design TD (°F)	36	18	Fireplaces	
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	32	50		

HEATING EQUIPMENT

Make Ruud
Trade RUUD 13PJL SERIES
Model 13PJL30
AHRI ref 3544574

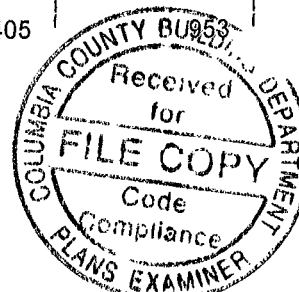
Efficiency 8.5 HSPF
Heating input
Heating output 27800 Btuh @ 47°F
Temperature rise 27 °F
Actual air flow 953 cfm
Air flow factor 0.035 cfm/Btuh
Static pressure 0.53 in H2O
Space thermostat

COOLING EQUIPMENT

Make Ruud
Trade RUUD 13PJL SERIES
Cond 13PJL30
Coil RHSL-HM3017
AHRI ref 3544574

Efficiency 11.0 EER, 13 SEER
Sensible cooling 20020 Btuh
Latent cooling 8580 Btuh
Total cooling 28600 Btuh
Actual air flow 953 cfm
Air flow factor 0.040 cfm/Btuh
Static pressure 0.53 in H2O
Load sensible heat ratio 0.85

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
House	1494	26889	23807	953	953
Entire House	1494	26889	23807	953	953
Other equip loads		0	0		
Equip. @ 0.98 RSM			23331		
Latent cooling			4074		
TOTALS	1494	26889	27405		953



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

