

In accordance with ACCA Manual J

Report Prepared By:

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Florida Mechanical Air Conditioning

For: Sample House
123 Any St
Newville, Iowa

Design Conditions: Newville

Indoor:		Outdoor:	
Summer temperature:	75	Summer temperature:	105
Winter temperature:	70	Winter temperature:	-25
Relative humidity:	55	Summer grains of moisture:	100
		Daily temperature range:	Medium

Building Component	Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
Whole House	27,485	3,518	31,003 (2.5 tons)	63,259
First Floor	24,172	3,327	27,499	45,135
Living Room	5,770	1,075	6,845	8,525
Dining Room	2,607	883	3,490	5,077
Laundry	945	164	1,109	3,337
Kitchen	2,766	106	2,872	2,890
Bathroom	1,192	77	1,269	2,223
Bedroom	2,511	212	2,723	4,326
Bedroom (2)	3,046	270	3,316	6,213
Bathroom (2)	623	77	700	1,577
Bedroom (3)	3,354	270	3,624	6,903
Hall	889	193	1,082	3,197
Interior Hall	469	0	469	867
Basement	3,312	193	3,505	18,122
Rec Room	2,084	154	2,238	10,157
Shop & Utility	1,228	39	1,267	7,965
Whole House	27,485	3,518	31,003 (2.5 tons)	63,259