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Right-J8 Worksheet **Entire House** **A.C.E HEAT AND AIR, INC**

Job: VERLENE GRIFFIN
Date: 04/24/2004
By: TOM

7196 SW US HWY 27, FORT WHITE, FL 32038 Phone: 386-497-2216 Fax: 386-497-2217 Email: aceheatandair@hotmail.com

1	Room name					Entire House 228.0 ft				WHOLE HOUSE 228.0 ft				
2	Exposed wall					8.0 ft				8.0 ft				
3	Ceiling height					d				heat/cool				
4	Room dimensions					2720.0 ft²				80.0 x 34.0 ft				
5	Room area					2720.0 ft²				2720.0 ft²				
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12C-2bw	0.081	n	3.00	1.54	640	541	1621	835	640	541	1621	835
	G	1A-c1om	1.270	n	46.99	43.55	36	0	1692	1568	36	0	1692	1568
	D	11J0	0.600	n	22.20	20.49	63	63	1399	1291	63	63	1399	1291
11	W	12C-2bw	0.081	e	3.00	1.54	272	272	815	420	272	272	815	420
	W	12C-2bw	0.081	s	3.00	1.54	640	523	1567	807	640	523	1567	807
	G	1A-c1om	1.270	s	46.99	48.51	96	0	4511	4657	96	0	4511	4657
	D	11J0	0.600	s	22.20	20.49	21	21	466	430	21	21	466	430
	W	12C-2bw	0.081	w	3.00	1.54	272	208	623	321	272	208	623	321
	G	1A-c1om	1.270	w	46.99	99.92	64	0	3007	6395	64	0	3007	6395
	C	16A-30ad	0.032	-	1.18	2.48	2720	2720	3220	6759	2720	2720	3220	6759
	F	22C-5tph	1.266	-	46.84	0.00	2720	228	10680	0	2720	228	10680	0
Envelope loss/gain									29603	23481			29603	23481
12	a) Infiltration								10276	3055			10276	3055
	b) Ventilation								8500	5054			8500	5054
13	Internal gains:		Occupants @	230	4					920	4			920
	Less external load		Appliances @	1200	5					6000	5			6000
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								48379	38511			48379	38511
15	Duct loads						11%	23%	5393	8725	11%	23%	5393	8725
	Total room load								53773	47236			53773	47236
	Air required (cfm)								2056	2056			2056	2056

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Engineers • Planners

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Monday, June 7, 2004

Columbia County Building and Zoning Dept.
Lake City, FL. 32055
RE: Verlene Griffin Residence

To Whom It May Concern::

I have inspected the existing foundation and slab for Verlene Griffin and certify that the foundation and slab comply with the Florida Building Code. Verlene Griffin may proceed with construction of the proposed residence per plans on the existing foundation and slab. If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman, P.E.
President