

**Right-J® Worksheet**  
**Entire House**  
**Yates Heating**

**Job:**  
**Date:** Mar 05, 2020  
**By:**

OH 45385

1 Room name				STEPS 0 ft 8.0 ft 4.0 x 8.5 ft heat/cool 34.0 ft²				PANTRY 4.0 ft 8.0 ft 4.0 x 5.5 ft heat/cool 22.0 ft²					
2 Exposed wall				HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
3 Room height		U-value (Btuh/ft²-F)		Or									
4 Room dimensions													
5 Room area													
Ty	Construction number	U-value (Btuh/ft²-F)	Or	Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W 12F-0sw	0.065	n	4.74	1.31	0	0	0	0	32	32	152	42
	W-G 10D-v	0.490	n	35.77	10.85	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
	W 15B-15sfc-2	0.059	n	3.92	0.57	0	0	0	0	0	0	0	0
11	W 15B15-0wc-6	0.088	n	5.08	0.43	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
	W 12F-0sw	0.065	ne	4.74	1.31	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	ne	34.31	28.18	0	0	0	0	0	0	0	0
	W 12F-0sw	0.065	e	4.74	1.31	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	e	34.31	38.18	0	0	0	0	0	0	0	0
	W 15B-15sfc-2	0.059	e	3.92	0.69	0	0	0	0	0	0	0	0
	W 12F-0sw	0.065	s	4.74	1.31	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	s	34.31	21.64	0	0	0	0	0	0	0	0
	W-D 11P0	0.290	s	21.17	9.09	0	0	0	0	0	0	0	0
	W 15B-15sfc-2	0.059	s	3.92	0.57	0	0	0	0	0	0	0	0
	W 15B15-0wc-6	0.088	s	5.19	0.51	0	0	0	0	0	0	0	0
	W 12F-0sw	0.065	w	4.74	1.31	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	w	34.31	38.18	0	0	0	0	0	0	0	0
	W 15B-15sfc-2	0.059	w	3.92	0.57	0	0	0	0	0	0	0	0
	W 12F-0sw	0.065	nw	4.74	1.31	0	0	0	0	0	0	0	0
	W-G 4A5-2ov	0.470	nw	34.31	28.18	0	0	0	0	0	0	0	0
	C 16A-56al	0.018	-	1.31	1.35	0	0	0	0	0	0	0	0
	C 16B-56ad	0.018	-	1.31	0.99	34	34	45	34	22	22	29	22
	F 21A-20t	0.027	-	1.97	0.00	0	0	0	0	0	0	0	0
	F 21A-24t	0.025	-	1.83	0.00	0	0	0	0	0	0	0	0
	F 22A-tpm	1.180	-	86.14	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion								-2				-4
	Envelope loss/gain							45	32			181	60
12	a) Infiltration							0	0			79	11
	b) Room ventilation							0	0			0	0
13	Internal gains:	Occupants @	230			0			0	0			0
		Appliances/other							0				0
	Subtotal (lines 6 to 13)							45	32			260	71
	Less external load							0	0			0	0
	Less transfer							0	0			0	0
	Redistribution							-45	-32			9	6
14	Subtotal							0	0			268	77
15	Duct loads					-0%	0%	0	0	-0%	0%	0	0
	Total room load							0	0			268	77
	Air required (cfm)							0	0			8	5

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



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**Right-J® Worksheet**  
*Entire House*  
**Yates Heating**

Job:  
 Date: Mar 05, 2020  
 By:

OH 45385

1 Room name				DINING				OFFICE						
2 Exposed wall				24.0 ft				8.0 ft						
3 Room height				8.0 ft				8.0 ft						
4 Room dimensions				10.0 x 14.0 ft				8.0 x 12.5 ft						
5 Room area				140.0 ft <sup>2</sup>				100.0 ft <sup>2</sup>						
6	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> -°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12F-0sw	0.065	n	4.74	1.31	80	40	190	52	0	0	0	0
	G	10D-v	0.490	n	35.77	10.85	40	0	1431	434	0	0	0	0
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	n	3.92	0.57	0	0	0	0	0	0	0	0
11	W	15B15-0wc-6	0.088	n	5.08	0.43	0	0	0	0	64	56	279	21
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	8	0	286	124
	W	12F-0sw	0.065	ne	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	ne	34.31	28.18	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	e	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	e	34.31	38.18	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	e	3.92	0.69	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	s	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	34.31	21.64	0	0	0	0	0	0	0	0
	D	11P0	0.290	s	21.17	9.09	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	s	3.92	0.57	0	0	0	0	0	0	0	0
	W	15B15-0wc-6	0.088	s	5.19	0.51	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	w	4.74	1.31	112	75	354	98	0	0	0	0
	G	4A5-2ov	0.470	w	34.31	38.18	37	0	1281	1425	0	0	0	0
	W	15B-15sfc-2	0.059	w	3.92	0.57	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	nw	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	nw	34.31	28.18	0	0	0	0	0	0	0	0
	C	16A-56al	0.018	-	1.31	1.35	0	0	0	0	0	0	0	0
	C	16B-56ad	0.018	-	1.31	0.99	140	140	184	138	0	0	0	0
	F	21A-20t	0.027	-	1.97	0.00	0	0	0	0	0	0	0	0
	F	21A-24t	0.025	-	1.83	0.00	0	0	0	0	100	100	183	0
	F	22A-tpm	1.180	-	86.14	0.00	7	1	103	0	0	0	0	0
6	c) AED excursion									393				-19
	Envelope loss/gain								3543	2541			747	126
12	a) Infiltration								475	65			59	8
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		0				0	1			230
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								4018	2606			807	364
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			23	0
14	Subtotal								4018	2606			829	364
15	Duct loads								0	0	-0%	0%	0	0
	Total room load								4018	2606			829	364
	Air required (cfm)								115	164			24	23

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



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**Right-J® Worksheet**  
**Entire House**  
**Yates Heating**

Job:  
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OH 45385

				UTILITY 0 ft 8.0 ft 12.0 x 8.0 ft heat/cool 96.0 ft²				FIN BASEMENT 42.0 ft 8.0 ft 1.0 x 518.0 ft heat/cool 518.0 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	12F-0sw	0.065	n	4.74	1.31	0	0	0	0	0	0	0	0
	G	10D-v	0.490	n	35.77	10.85	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	n	3.92	0.57	0	0	0	0	0	0	0	0
11	W	15B15-0wc-6	0.088	n	5.08	0.43	0	0	0	0	136	128	653	58
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	8	0	286	124
	W	12F-0sw	0.065	ne	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	ne	34.31	28.18	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	e	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	e	34.31	38.18	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	e	3.92	0.69	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	s	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	34.31	21.64	0	0	0	0	0	0	0	0
	D	11P0	0.290	s	21.17	9.09	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	s	3.92	0.57	0	0	0	0	0	0	0	0
	W	15B15-0wc-6	0.088	s	5.19	0.51	0	0	0	0	200	200	1038	102
	W	12F-0sw	0.065	w	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	w	34.31	38.18	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	w	3.92	0.57	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	nw	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	nw	34.31	28.18	0	0	0	0	0	0	0	0
	C	16A-56al	0.018	-	1.31	1.35	0	0	0	0	0	0	0	0
	C	16B-56ad	0.018	-	1.31	0.99	0	0	0	0	0	0	0	0
	F	21A-20t	0.027	-	1.97	0.00	0	0	0	0	0	0	0	0
	F	21A-24t	0.025	-	1.83	0.00	96	96	175	0	518	518	945	0
	F	22A-1pm	1.180	-	86.14	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion									0				-16
	Envelope loss/gain									175	0			2922 268
12	a) Infiltration									0	0			311 43
	b) Room ventilation									0	0			0 0
13	Internal gains:		Occupants @	230			0			0	0			0 0
			Appliances/other							0				0 0
	Subtotal (lines 6 to 13)									175	0			3234 310
	Less external load									0	0			0 0
	Less transfer									0	0			0 0
	Redistribution									10	0			33 0
14	Subtotal									185	0			3267 310
15	Duct loads						-0%	0%		0	0	-0%	0%	0 0
	Total room load									185	0			3267 310
	Air required (cfm)									5	0			93 20

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

**Right-J® Worksheet**  
**Entire House**  
**Yates Heating**

Job:  
 Date: Mar 05, 2020  
 By:

OH 45385

1 Room name				UP 0 ft		CRAWL 2 57.0 ft								
2 Exposed wall				8.0 ft		4.0 ft								
3 Room height				4.0 ft		13.5 ft								
4 Room dimensions				36.0 ft x 9.0 ft		405.0 ft <sup>2</sup>								
5 Room area														
6	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> -°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12F-0sw	0.065	n	4.74	1.31	0	0	0	0	0	0	0	0
	G	10D-v	0.490	n	35.77	10.85	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	n	3.92	0.57	0	0	0	0	54	54	212	31
11	W	15B15-0wc-6	0.088	n	5.08	0.43	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	ne	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	ne	34.31	28.18	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	e	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	e	34.31	38.18	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	e	3.92	0.69	0	0	0	0	120	120	471	83
	W	12F-0sw	0.065	s	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	s	34.31	21.64	0	0	0	0	0	0	0	0
	D	11P0	0.290	s	21.17	9.09	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	s	3.92	0.57	0	0	0	0	54	54	212	31
	W	15B15-0wc-6	0.088	s	5.19	0.51	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	w	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	w	34.31	38.18	0	0	0	0	0	0	0	0
	W	15B-15sfc-2	0.059	w	3.92	0.57	0	0	0	0	0	0	0	0
	W	12F-0sw	0.065	nw	4.74	1.31	0	0	0	0	0	0	0	0
	G	4A5-2ov	0.470	nw	34.31	28.18	0	0	0	0	0	0	0	0
	C	16A-56al	0.018	-	1.31	1.35	0	0	0	0	0	0	0	0
	C	16B-56ad	0.018	-	1.31	0.99	0	0	0	0	0	0	0	0
	F	21A-20t	0.027	-	1.97	0.00	0	0	0	0	405	405	798	0
	F	21A-24t	0.025	-	1.83	0.00	36	36	66	0	0	0	0	0
	F	22A-tpm	1.180	-	86.14	0.00	0	0	0	0	0	0	0	0
6	c) AED excursion													-10
	Envelope loss/gain								66	0			1693	134
12	a) Infiltration								0	0			352	48
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0				0			0
			Appliances/other											0
	Subtotal (lines 6 to 13)								66	0			2045	183
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								-66	0			0	0
14	Subtotal								0	0			2045	183
15	Duct loads						-0%	0%	0	0		-0%	0%	0
	Total room load								0	0			2045	183
	Air required (cfm)								0	0			58	11

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



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**Right-J® Worksheet**  
**Entire House**  
**Yates Heating**

Job:  
 Date: Mar 05, 2020  
 By:

OH 45385

						CRAWL 1								
1	Room name					57.0 ft								
2	Exposed wall					4.0 ft		heat/cool						
3	Room height					13.5		x 30.0 ft						
4	Room dimensions					405.0 ft <sup>2</sup>								
5	Room area													
	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> -°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12F-0sw	0.065	n	4.74	1.31	0	0	0	0				
	G	10D-v	0.490	n	35.77	10.85	0	0	0	0				
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0				
	W	15B-15sfc-2	0.059	n	3.92	0.57	54	54	212	31				
11	W	15B15-0wc-6	0.088	n	5.08	0.43	0	0	0	0				
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0				
	W	12F-0sw	0.065	ne	4.74	1.31	0	0	0	0				
	G	4A5-2ov	0.470	ne	34.31	28.18	0	0	0	0				
	W	12F-0sw	0.065	e	4.74	1.31	0	0	0	0				
	G	4A5-2ov	0.470	e	34.31	38.18	0	0	0	0				
	W	15B-15sfc-2	0.059	e	3.92	0.69	0	0	0	0				
	W	12F-0sw	0.065	s	4.74	1.31	0	0	0	0				
	G	4A5-2ov	0.470	s	34.31	21.64	0	0	0	0				
	D	11P0	0.290	s	21.17	9.09	0	0	0	0				
	W	15B-15sfc-2	0.059	s	3.92	0.57	54	54	212	31				
	W	15B15-0wc-6	0.088	s	5.19	0.51	0	0	0	0				
	W	12F-0sw	0.065	w	4.74	1.31	0	0	0	0				
	G	4A5-2ov	0.470	w	34.31	38.18	0	0	0	0				
	W	15B-15sfc-2	0.059	w	3.92	0.57	120	120	471	68				
	W	12F-0sw	0.065	nw	4.74	1.31	0	0	0	0				
	G	4A5-2ov	0.470	nw	34.31	28.18	0	0	0	0				
	C	16A-56al	0.018	-	1.31	1.35	0	0	0	0				
	C	16B-56ad	0.018	-	1.31	0.99	0	0	0	0				
	F	21A-20t	0.027	-	1.97	0.00	405	405	798	0				
	F	21A-24t	0.025	-	1.83	0.00	0	0	0	0				
	F	22A-tpm	1.180	-	86.14	0.00	0	0	0	0				
6	c) AED excursion									-9				
	Envelope loss/gain								1693	121				
12	a) Infiltration								352	48				
	b) Room ventilation								0	0				
13	Internal gains:		Occupants @	230			0			0				
			Appliances/other							0				
	Subtotal (lines 6 to 13)								2045	169				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								2045	169				
15	Duct loads						-0%	0%	0	0				
	Total room load								2045	169				
	Air required (cfm)								58	11				

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