

Right-J® Worksheet
Entire House
Yates Heating

Job:
 Date: Mar 05, 2020
 By:

OH 45385

1 Room name		Entire House							KITCHEN						
2 Exposed wall		7.1 ft							13.0 ft						
3 Room height		332.0 ft							8.0 ft						
4 Room dimensions		3182.0 ft²							185.0 ft x 185.0 ft						
5 Room area		3182.0 ft²							185.0 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	372	274	1299	359					
	G	10D-v	0.490	n	35.77	10.85	80	0	2862	868	40	26	123	34	
	G	4A5-2ov	0.470	n	34.31	14.92	18	0	626	272	0	0	0	0	
	W	15B-15sfc-2	0.059	n	3.92	0.57	108	108	424	62	14	0	480	209	
11	W	15B15-0wc-6	0.088	n	5.08	0.43	200	183	931	79	0	0	0	0	
	G	4A5-2ov	0.470	n	34.31	14.92	17	0	572	249	0	0	0	0	
	W	12F-0sw	0.065	ne	4.74	1.31	32	21	98	27	0	0	0	0	
	G	4A5-2ov	0.470	ne	34.31	28.18	12	0	400	329	32	21	98	27	
	W	12F-0sw	0.065	e	4.74	1.31	256	228	1082	299	12	0	400	329	
	G	4A5-2ov	0.470	e	34.31	38.18	28	0	961	1069	0	0	0	0	
	W	15B-15sfc-2	0.059	e	3.92	0.69	120	120	471	83	0	0	0	0	
	W	12F-0sw	0.065	s	4.74	1.31	428	351	1665	460	0	0	0	0	
	G	4A5-2ov	0.470	s	34.31	21.64	56	0	1921	1212	0	0	0	0	
	D	11P0	0.290	s	21.17	9.09	21	21	445	191	0	0	0	0	
	W	15B-15sfc-2	0.059	s	3.92	0.57	108	108	424	62	0	0	0	0	
	W	15B15-0wc-6	0.088	s	5.19	0.51	200	200	1038	102	0	0	0	0	
	W	12F-0sw	0.065	w	4.74	1.31	256	219	1038	286	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	120	120	471	68	0	0	0	0	
	W	12F-0sw	0.065	nw	4.74	1.31	32	21	98	27	32	21	98	27	
	G	4A5-2ov	0.470	nw	34.31	28.18	12	0	400	329	12	0	400	329	
	C	16A-56al	0.018	-	1.31	1.35	363	363	477	489	0	0	0	0	
	C	16B-56ad	0.018	-	1.31	0.99	1270	1270	1669	1254	185	185	243	183	
	F	21A-20t	0.027	-	1.97	0.00	810	810	1597	0	0	0	0	0	
	F	21A-24t	0.025	-	1.83	0.00	750	750	1369	0	0	0	0	0	
	F	22A-tpm	1.180	-	86.14	0.00	62	8	662	0	17	1	103	0	
6	c) AED excursion									0				-120	
	Envelope loss/gain								24278	9599			1946	1017	
12	a) Infiltration								4478	613			258	35	
	b) Room ventilation								0	0			0	0	
13	Internal gains:		Occupants @	230		5				1150	0			0	
			Appliances/other							1680				1200	
	Subtotal (lines 6 to 13)								28756	13042			2204	2253	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			18	13	
14	Subtotal								28756	13042			2222	2266	
15	Duct loads							0%	0%	0		-0%	0%	0	
	Total room load								28756	13042			2222	2266	
	Air required (cfm)								820	820			63	142	

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		BEDROOM 2		BEDROOM 1										
2 Exposed wall		24.5 ft		12.0 ft										
3 Room height		8.0 ft		8.0 ft										
4 Room dimensions		1.0 x 175.0 ft		1.0 x 162.0 ft										
5 Room area		175.0 ft²		162.0 ft²										
6	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
11	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
	G	4A5-2ov	0.470	n	34.31	14.92	0	0	0	0	0	0	0	0
11	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
11	W	12F-0sw	0.065	e	4.74	1.31	92	78	370	102	0	0	0	0
	G	4A5-2ov	0.470	e	34.31	38.18	14	0	480	535	0	0	0	0
11	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	104	90	427	118	96	82	389	107
11	G	4A5-2ov	0.470	s	34.31	21.64	14	0	480	303	14	0	480	303
	D	11P0	0.290	s	21.17	9.09	0	0	0	0	0	0	0	0
11	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
11	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
11	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
11	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
11	C	16B-56ad	0.018	-	1.31	0.99	175	175	230	173	162	162	213	160
	F	21A-20t	0.027	-	1.97	0.00	0	0	0	0	0	0	0	0
11	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	12	2	139	0	0	0	0	0
6	c) AED excursion									-85				1
	Envelope loss/gain								2126	1146			1082	572
12	a) Infiltration								485	66			237	33
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		1			230		1		230	
			Appliances/other						150				150	
	Subtotal (lines 6 to 13)								2611	1592			1320	984
14	Less external load								0	0			0	0
	Less transfer								0	0			0	0
14	Redistribution								15	10			39	28
	Subtotal								2626	1603			1359	1012
15	Duct loads								0	0			0	0
	Total room load								2626	1603			1359	1012
	Air required (cfm)								75	101			39	64

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



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Right-J® Worksheet
Entire House
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Job:
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1 Room name				MASTER BDRM 32.0 ft				MASTER BATH 14.0 ft						
2 Exposed wall				8.0 ft heat/cool				8.0 ft heat/cool						
3 Room height				1.0 x 211.5 ft				1.0 x 102.8 ft						
4 Room dimensions				211.5 ft²				102.8 ft²						
5 Room area														
	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	108	68	323	89	112	108	511	141
	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	4	0	146	63
	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
	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	148	134	636	176	0	0	0	0
	G	4A5-2ov	0.470	e	34.31	38.18	14	0	480	535	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	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	212	212	278	209	103	103	135	101
	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	19	3	241	0	0	0	0	0
6	c) AED excursion									-109				-17
	Envelope loss/gain								3389	1332			792	289
12	a) Infiltration								633	87			277	38
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			2			460	0			0
			Appliances/other							180				0
	Subtotal (lines 6 to 13)								4021	2059			1069	327
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								8	6			6	5
14	Subtotal								4029	2065			1075	331
15	Duct loads								0	0			0	0
	Total room load								4029	2065			1075	331
	Air required (cfm)								115	130			31	21

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



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Right-J® Worksheet
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Yates Heating

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1 Room name				BATH 0 ft				LAUNDRY 0 ft						
2 Exposed wall				8.0 ft 7.5 x 5.5 ft				8.0 ft 6.5 x 8.0 ft						
3 Room height				heat/cool				heat/cool						
4 Room dimensions				41.3 ft ²				52.0 ft ²						
5 Room area														
6	Ty	Construction number	U-value (Btuh/ft ² ·°F)	Or	HTM (Btuh/ft ²)		Area (ft ²) or perimeter (ft)		Load (Btuh)		Area (ft ²) 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	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	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	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	41	41	54	41	52	52	68	51
	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													
	Envelope loss/gain								54	39			68	49
12	a) Infiltration								0	0			0	0
	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)								54	39			68	49
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								29	20			15	10
14	Subtotal								83	59			83	59
15	Duct loads								-0%	0%			-0%	0%
	Total room load								83	59			83	59
	Air required (cfm)								2	4			2	4

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Job:
 Date: Mar 05, 2020
 By:

OH 45385

1 Room name				HALL 0 ft heat/cool				LIVING ROOM 44.5 ft heat/cool						
2 Exposed wall				8.0 ft 1.0 x 91.0 ft				8.9 ft 1.0 x 405.5 ft						
3 Room height				91.0 ft²				405.5 ft²						
4 Room dimensions														
5 Room area														
	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	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	16	16	76	21
	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	228	179	849	234
	G	4A5-2ov	0.470	s	34.31	21.64	0	0	0	0	28	0	961	606
	D	11P0	0.290	s	21.17	9.09	0	0	0	0	21	21	445	191
	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	144	144	683	189
	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	363	363	477	489
	C	16B-56ad	0.018	-	1.31	0.99	91	91	120	90	54	54	70	53
	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	8	1	76	0
6	c) AED excursion													6
	Envelope loss/gain								120	85			3636	1788
12	a) Infiltration								0	0			959	131
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0				0	0		0
			Appliances/other								0	0		0
	Subtotal (lines 6 to 13)								120	85			4596	1919
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								-120	-85			26	19
14	Subtotal								0	0			4622	1938
15	Duct loads						-0%	0%	0	0		-0%	0%	0
	Total room load								0	0			4622	1938
	Air required (cfm)								0	0			132	122

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



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Right-Suite® Universal 2017 17.0.17 RSU12355

...ort Products\HEAT LOADS 2020\YATES\McIntire.rup Calc = MJ8 Front Door faces: S

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