



# Load Multizone Summary Report

VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

## Infiltration Summary

ZONE NAME	Heating				Cooling			
	Volume ft³	ACH	AVF cfm	HTM Btuh/ft²	Volume ft³	ACH	AVF cfm	HTM Btuh/ft²
MAIN	7308	0.16	19	2.6	7308	0.08	10	0.8
MASTER	5481	0.42	38	2.6	5481	0.21	20	0.8
BEDROOM	5684	0.41	39	2.6	5684	0.21	20	0.8
Entire House	18473	0.31	95	2.6	18473	0.16	49	0.8

## Load and AVF Summary

ROOM NAME	Area ft²	Htg load Btuh	Clg load Btuh	Htg AVF cfm	Clg AVF cfm
KITCHEN	137	1644	1733	78	87
GREAT ROOM	270	3351	3582	159	180
DINING	98	1651	943	78	47
MAIN	504	6646	6257	315	315
M.BEDRM	162	3637	2273	114	103
M.CLST	53	132	87	4	4
M.BATH	65	1543	733	48	33
LAUNDRY	88	2795	2510	88	114
STRG	11	0	0	0	0
MASTER	378	8107	5603	255	255
BEDROOM2	154	3456	1257	59	57
BEDROOM3	161	3538	1356	60	62
SHARED BATH	58	881	324	15	15
HALL1	19	0	0	0	0
BEDROOM	392	7874	2937	133	133
Entire House	1274	22627	14797	703	703



**Project Summary**  
**Entire House**  
**VI Service**

Job: Sample  
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Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

**Project Information**

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FLXXXXX

Notes:

**Design Information**

Weather: Tallahassee Regional AP, FL, US

**Winter Design Conditions**

Outside db 29 °F  
 Inside db 70 °F  
 Design TD 41 °F

**Summer Design Conditions**

Outside db 99 °F  
 Inside db 75 °F  
 Design TD 24 °F  
 Daily range M  
 Relative humidity 45 %  
 Moisture difference 62 gr/lb

**Heating Summary**

Structure 21160 Btuh  
 Ducts 1467 Btuh  
 Central vent (45 cfm) 609 Btuh  
 Humidification 0 Btuh  
 Piping 0 Btuh  
 Equipment load 23236 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 13839 Btuh  
 Ducts 958 Btuh  
 Central vent (45 cfm) 351 Btuh  
 Blower 0 Btuh  
 Use manufacturer's data y  
 Rate/swing multiplier 1.00  
 Equipment sensible load 15148 Btuh

**Infiltration**

Method Simplified  
 Construction quality Semi-tight  
 Fireplaces 0

**Latent Cooling Equipment Load Sizing**

Structure 3255 Btuh  
 Ducts 409 Btuh  
 Central vent (45 cfm) 1314 Btuh  
 Equipment latent load 3664 Btuh  
**Equipment Total Load (Sen+Lat)** 18812 Btuh  
 Req. total capacity at 0.70 SHR 1.8 ton

	<b>Heating</b>	<b>Cooling</b>
Area (ft <sup>2</sup> )	1274	1274
Volume (ft <sup>3</sup> )	18473	18473
Air changes/hour	0.31	0.16
Equiv. AVF (cfm)	95	49

**Heating Equipment Summary**

Make n/a  
 Trade n/a  
 Model n/a  
 AHRI ref n/a  
 Efficiency n/a  
 Heating input  
 Heating output 0 Btuh  
 Temperature rise 0 °F  
 Actual air flow 0 cfm  
 Air flow factor 0 cfm/Btuh  
 Static pressure 0 in H2O  
 Space thermostat n/a

**Cooling Equipment Summary**

Make n/a  
 Trade n/a  
 Cond n/a  
 Coil n/a  
 AHRI ref n/a  
 Efficiency n/a  
 Sensible cooling 0 Btuh  
 Latent cooling 0 Btuh  
 Total cooling 0 Btuh  
 Actual air flow 0 cfm  
 Air flow factor 0 cfm/Btuh  
 Static pressure 0 in H2O  
 Load sensible heat ratio 0

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





**Project Summary**  
**BEDROOM**  
 VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

**Project Information**

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FLXXXXX

Notes:

**Design Information**

Weather: Tallahassee Regional AP, FL, US

**Winter Design Conditions**

Outside db 29 °F  
 Inside db 70 °F  
 Design TD 41 °F

**Summer Design Conditions**

Outside db 99 °F  
 Inside db 75 °F  
 Design TD 24 °F  
 Daily range M  
 Relative humidity 45 %  
 Moisture difference 62 gr/lb

**Heating Summary**

Structure 7563 Btuh  
 Ducts 312 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Humidification 0 Btuh  
 Piping 0 Btuh  
 Equipment load 7874 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 2741 Btuh  
 Ducts 196 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Blower 0 Btuh  
 Use manufacturer's data y  
 Rate/swing multiplier 1.00  
 Equipment sensible load 2937 Btuh

**Infiltration**

Method Simplified  
 Construction quality Semi-tight  
 Fireplaces 0

**Latent Cooling Equipment Load Sizing**

Structure 829 Btuh  
 Ducts 91 Btuh  
 Central vent (0 cfm)  
 (none) 0 Btuh  
 Equipment latent load 920 Btuh

	<b>Heating</b>	<b>Cooling</b>
Area (ft <sup>2</sup> )	392	392
Volume (ft <sup>3</sup> )	5684	5684
Air changes/hour	0.41	0.21
Equiv. AVF (cfm)	39	20

**Equipment Total Load (Sen+Lat)** 3856 Btuh  
 Req. total capacity at 0.70 SHR 0.3 ton

**Heating Equipment Summary**

Make  
 Trade  
 Model  
 AHRI ref

Efficiency 80 AFUE  
 Heating input 0 Btuh  
 Heating output 0 Btuh  
 Temperature rise 0 °F  
 Actual air flow 133 cfm  
 Air flow factor 0.017 cfm/Btuh  
 Static pressure 0 in H2O  
 Space thermostat

**Cooling Equipment Summary**

Make  
 Trade  
 Cond  
 Coil  
 AHRI ref  
 Efficiency 0 SEER  
 Sensible cooling 0 Btuh  
 Latent cooling 0 Btuh  
 Total cooling 0 Btuh  
 Actual air flow 133 cfm  
 Air flow factor 0.045 cfm/Btuh  
 Static pressure 0 in H2O  
 Load sensible heat ratio 0.76

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





**Project Summary**  
**MAIN**  
**VI Service**

Job: Sample  
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 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

**Project Information**

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FLXXXXX

Notes:

**Design Information**

Weather: Tallahassee Regional AP, FL, US

**Winter Design Conditions**

Outside db 29 °F  
 Inside db 70 °F  
 Design TD 41 °F

**Summer Design Conditions**

Outside db 99 °F  
 Inside db 75 °F  
 Design TD 24 °F  
 Daily range M  
 Relative humidity 45 %  
 Moisture difference 62 gr/lb

**Heating Summary**

Structure 6011 Btuh  
 Ducts 635 Btuh  
**Central vent (SER=70% 45 cfm)** **609** Btuh  
**Energy recovery**  
 Humidification 0 Btuh  
 Piping 0 Btuh  
 Equipment load 7254 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 5833 Btuh  
 Ducts 424 Btuh  
**Central vent (SER=70% 45 cfm)** **351** Btuh  
**Energy recovery**  
 Blower 0 Btuh  
 Use manufacturer's data y  
 Rate/swing multiplier 1.00  
 Equipment sensible load 6608 Btuh

**Infiltration**

Method Simplified  
 Construction quality Semi-tight  
 Fireplaces 0

**Latent Cooling Equipment Load Sizing**

Structure 1208 Btuh  
 Ducts 183 Btuh  
**Central vent (LER=30% 45 cfm)** **1314** Btuh  
**Energy recovery**  
 Equipment latent load 2705 Btuh  
**Equipment Total Load (Sen+Lat)** 9313 Btuh  
 Req. total capacity at 0.70 SHR 0.8 ton

	Heating	Cooling
Area (ft <sup>2</sup> )	504	504
Volume (ft <sup>3</sup> )	7308	7308
Air changes/hour	0.16	0.08
Equiv. AVF (cfm)	19	10

**Heating Equipment Summary**

Make Generic  
 Trade  
 Model SEER 18.0, HSPF 9.1  
 AHRI ref  
 Efficiency 9.1 HSPF  
 Heating input  
 Heating output 9393 Btuh @ 47°F  
 Temperature rise 27 °F  
 Actual air flow 315 cfm  
 Air flow factor 0.047 cfm/Btuh  
 Static pressure 0.60 in H2O  
 Space thermostat  
 Capacity balance point = 19 °F

**Cooling Equipment Summary**

Make Generic  
 Trade  
 Cond SEER 18.0, HSPF 9.1  
 Coil  
 AHRI ref  
 Efficiency 14.7 EER, 18 SEER  
 Sensible cooling 6608 Btuh  
 Latent cooling 2832 Btuh  
 Total cooling 9440 Btuh  
 Actual air flow 315 cfm  
 Air flow factor 0.050 cfm/Btuh  
 Static pressure 0.60 in H2O  
 Load sensible heat ratio 0.71

*Bold/italic values have been manually overridden*

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**Project Summary**  
**MASTER**  
**VI Service**

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By: Oby  
Plan: Unknown

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**Project Information**

For: Sample, Front Door Faces ?/ Encapsulated  
Tallahassee, FLXXXXX

Notes:

**Design Information**

Weather: Tallahassee Regional AP, FL, US

**Winter Design Conditions**

Outside db 29 °F  
Inside db 70 °F  
Design TD 41 °F

**Summer Design Conditions**

Outside db 99 °F  
Inside db 75 °F  
Design TD 24 °F  
Daily range M  
Relative humidity 45 %  
Moisture difference 62 gr/lb

**Heating Summary**

Structure 7586 Btuh  
Ducts 521 Btuh  
Central vent (0 cfm)  
(none) 0 Btuh  
Humidification 0 Btuh  
Piping 0 Btuh  
Equipment load 8107 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 5265 Btuh  
Ducts 338 Btuh  
Central vent (0 cfm)  
(none) 0 Btuh  
Blower 0 Btuh  
Use manufacturer's data y  
Rate/swing multiplier 1.00  
Equipment sensible load 5603 Btuh

**Infiltration**

Method Simplified  
Construction quality Semi-tight  
Fireplaces 0

**Latent Cooling Equipment Load Sizing**

Structure 1218 Btuh  
Ducts 136 Btuh  
Central vent (0 cfm)  
(none) 0 Btuh  
Equipment latent load 1354 Btuh

	<b>Heating</b>	<b>Cooling</b>
Area (ft <sup>2</sup> )	378	378
Volume (ft <sup>3</sup> )	5481	5481
Air changes/hour	0.42	0.21
Equiv. AVF (cfm)	38	20

**Equipment Total Load (Sen+Lat)** 6957 Btuh  
Req. total capacity at 0.70 SHR 0.7 ton

**Heating Equipment Summary**

Make  
Trade  
Model  
AHRI ref

Efficiency 80 AFUE  
Heating input 0 Btuh  
Heating output 0 Btuh  
Temperature rise 0 °F  
Actual air flow 255 cfm  
Air flow factor 0.031 cfm/Btuh  
Static pressure 0 in H2O  
Space thermostat

**Cooling Equipment Summary**

Make  
Trade  
Cond  
Coil  
AHRI ref  
Efficiency 0 SEER  
Sensible cooling 0 Btuh  
Latent cooling 0 Btuh  
Total cooling 0 Btuh  
Actual air flow 255 cfm  
Air flow factor 0.045 cfm/Btuh  
Static pressure 0 in H2O  
Load sensible heat ratio 0.81

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





**AED Assessment**  
**Entire House**  
 VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

**Project Information**

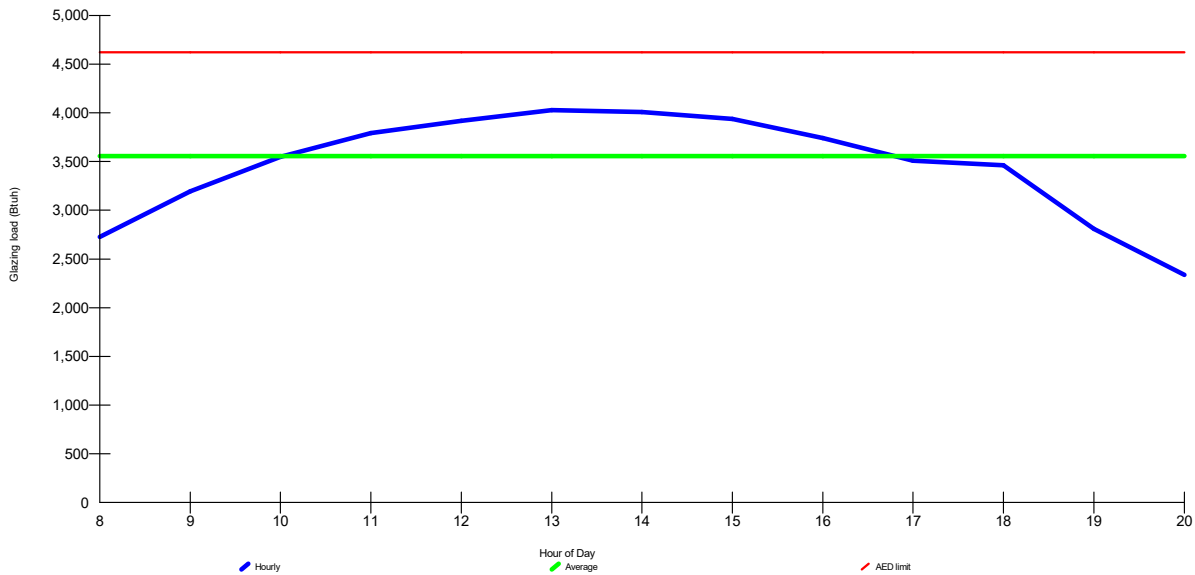
For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FLXXXX

**Design Conditions**

<b>Location:</b>		<b>Indoor:</b>		<b>Heating</b>	<b>Cooling</b>
Tallahassee Regional AP, FL, US		Indoor temperature (°F)		70	75
Elevation:	69 ft	Design TD (°F)		41	24
Latitude:	30°N	Relative humidity (%)		30	45
<b>Outdoor:</b>		Moisture difference (gr/lb)		14.3	61.5
	<b>Heating</b>	<b>Cooling</b>	<b>Infiltration:</b>		
Dry bulb (°F)	29	99			
Daily range (°F)	-	19 ( M )			
Wet bulb (°F)	-	79			
Wind speed (mph)	15.0	7.5			

**Test for Adequate Exposure Diversity**

Hourly Glazing Load



**Maximum hourly glazing load exceeds average by 13.3%.**

**House has adequate exposure diversity (AED), based on AED limit of 30%.**

**AED excursion: 0 Btuh**



**AED Assessment**  
**BEDROOM**  
 VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

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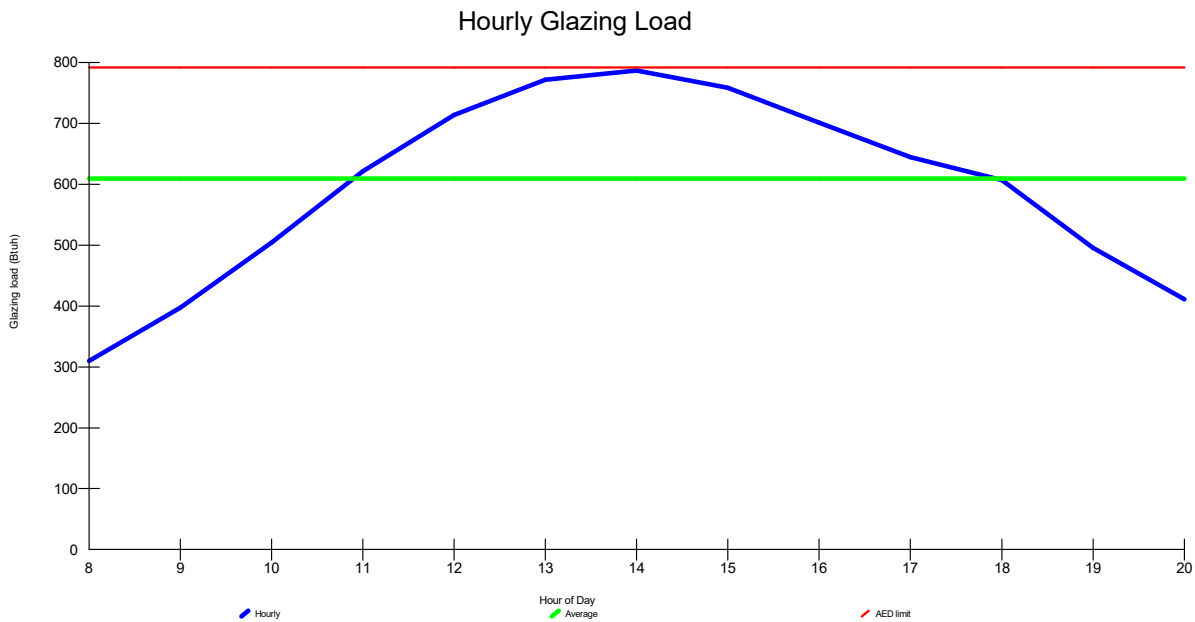
**Project Information**

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FLXXXX

**Design Conditions**

<b>Location:</b>		<b>Indoor:</b>		<b>Heating</b>	<b>Cooling</b>
Tallahassee Regional AP, FL, US		Indoor temperature (°F)		70	75
Elevation:	69 ft	Design TD (°F)		41	24
Latitude:	30°N	Relative humidity (%)		30	45
<b>Outdoor:</b>		Moisture difference (gr/lb)		14.3	61.5
	<b>Heating</b>	<b>Cooling</b>	<b>Infiltration:</b>		
Dry bulb (°F)	29	99			
Daily range (°F)	-	19 ( M )			
Wet bulb (°F)	-	79			
Wind speed (mph)	15.0	7.5			

**Test for Adequate Exposure Diversity**



**Maximum hourly glazing load exceeds average by 29.1%.**

**Zone has adequate exposure diversity (AED), based on AED limit of 30%.**

**AED excursion: 0 Btuh**



**AED Assessment**  
**MAIN**  
**VI Service**

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

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**Project Information**

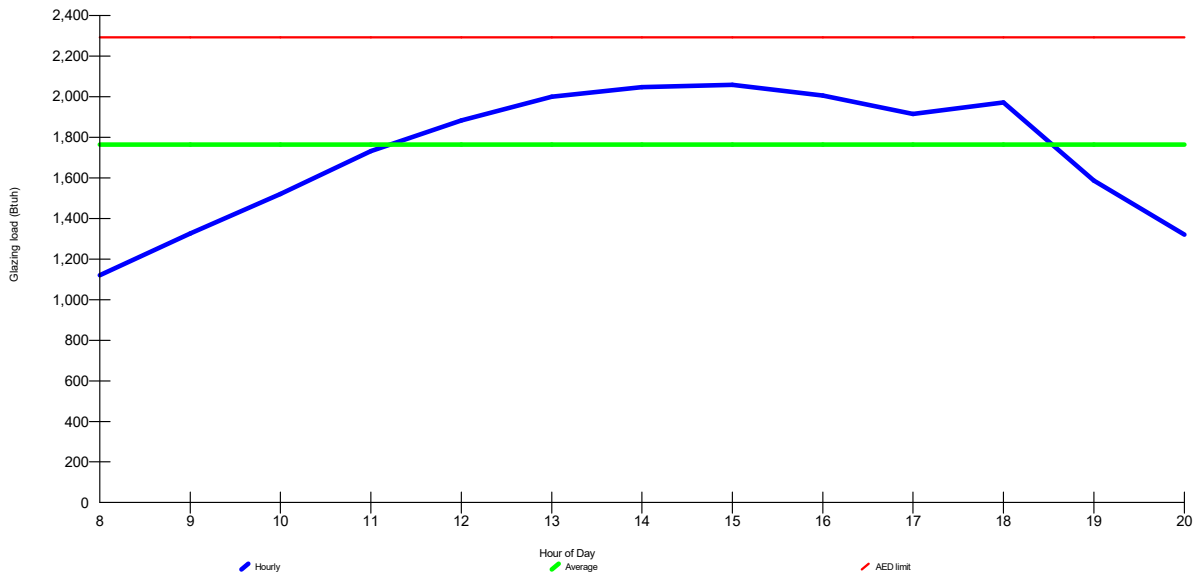
For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FLXXXX

**Design Conditions**

<b>Location:</b>		<b>Indoor:</b>		<b>Heating</b>	<b>Cooling</b>
Tallahassee Regional AP, FL, US		Indoor temperature (°F)		70	75
Elevation:	69 ft	Design TD (°F)		41	24
Latitude:	30°N	Relative humidity (%)		30	45
<b>Outdoor:</b>		Moisture difference (gr/lb)		14.3	61.5
	<b>Heating</b>	<b>Cooling</b>	<b>Infiltration:</b>		
Dry bulb (°F)	29	99			
Daily range (°F)	-	19 ( M )			
Wet bulb (°F)	-	79			
Wind speed (mph)	15.0	7.5			

**Test for Adequate Exposure Diversity**

Hourly Glazing Load



**Maximum hourly glazing load exceeds average by 16.7%.**

**Zone has adequate exposure diversity (AED), based on AED limit of 30%.**

**AED excursion: 0 Btuh**





**AED Assessment  
MASTER  
VI Service**

Job: Sample  
Date: May 4th 2020  
By: Oby  
Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

**Project Information**

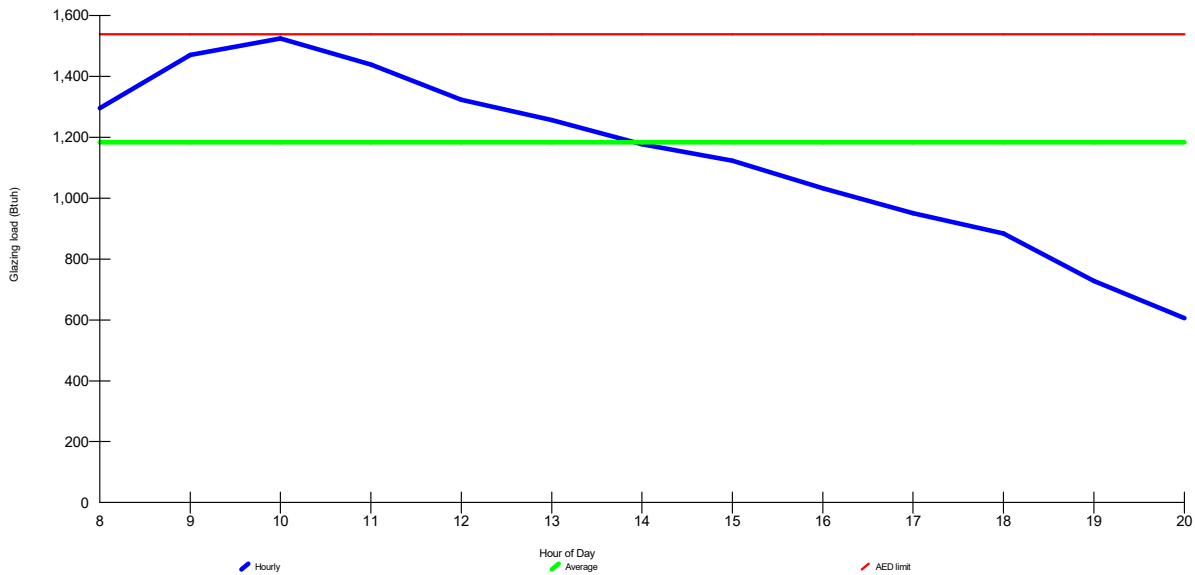
For: Sample, Front Door Faces ?/ Encapsulated  
Tallahassee, FLXXXX

**Design Conditions**

<b>Location:</b>		<b>Indoor:</b>		<b>Heating</b>	<b>Cooling</b>
Tallahassee Regional AP, FL, US		Indoor temperature (°F)		70	75
Elevation:	69 ft	Design TD (°F)		41	24
Latitude:	30°N	Relative humidity (%)		30	45
<b>Outdoor:</b>		<b>Heating</b>	<b>Cooling</b>	<b>Infiltration:</b>	
				Moisture difference (gr/lb)	14.3
Dry bulb (°F)	29	99			
Daily range (°F)	-	19 ( M )			
Wet bulb (°F)	-	79			
Wind speed (mph)	15.0	7.5			

**Test for Adequate Exposure Diversity**

Hourly Glazing Load



**Maximum hourly glazing load exceeds average by 28.8%.**

**Zone has adequate exposure diversity (AED), based on AED limit of 30%.**

**AED excursion: 0 Btuh**



# Right-J® Worksheet

## Entire House

### VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name		Entire House							MASTER					
2 Exposed wall		147.0 ft							55.0 ft					
3 Room height		14.5 ft							14.5 ft					
4 Room dimensions		d							d					
5 Room area		1274.0 ft²							378.0 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	12E-0sw	0.068	n	2.79	1.81	410	329	921	595	122	107	298	192
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	30	0	493	471	15	0	247	236
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	30	0	493	471	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	20	0	330	316	0	0	0	0
11	W	12E-0sw	0.068	e	2.79	1.81	406	380	1062	686	406	380	1062	686
	G	2 glazing, dr outr,	0.400	e	16.44	38.26	26	0	429	998	26	0	429	998
	W	12E-0sw	0.068	s	2.79	1.81	410	342	957	618	122	122	340	219
	G	2 glazing, dr outr,	0.400	s	16.44	18.00	15	0	247	270	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	12	12	197	188	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	40	40	661	631	0	0	0	0
	W	12E-0sw	0.068	w	2.79	1.81	406	406	1135	733	0	0	0	0
	C	16X30-0ml	0.408	-	1.73	1.17	1620	1620	2802	1900	481	481	831	564
	F	22A-tpm	1.180	-	48.50	0.00	1274	147	7129	0	378	55	2667	0
6	c) AED excursion									0			0	
	Envelope loss/gain								16855	7878			5873	2895
12	a) Infiltration								4304	1281			1713	510
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		6			1380	2			460	
			Appliances/other						3300				1400	
	Subtotal (lines 6 to 13)								21160	13839			7586	5265
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								21160	13839			7586	5265
15	Duct loads						7%	7%	1467	958	7%	6%	521	338
	Total room load								22627	14797			8107	5603
	Air required (cfm)								703	703			255	255

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



wrightsoft®  
 A Mitak® / Berkshire Hathaway Company

Right-Suite® Universal 2019 19.0.19 RSU09796

2020-Oct-14 07:28:58

Page 1

...ob Hall - Upwork Client - Heatload May 4thrup Calc = MJ8 Front Door faces: N



# Right-J® Worksheet

## Entire House

### VI Service

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1 Room name				MAIN 36.0 ft				BEDROOM 56.0 ft						
2 Exposed wall				14.5 ft				14.5 ft						
3 Room height				d				d						
4 Room dimensions				504.0 ft²				392.0 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	12E-0sw	0.068	n	2.79	1.81	162	112	313	202	126	111	310	200
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	0	0	0	0	15	0	247	236
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	30	0	493	471	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	20	0	330	316	0	0	0	0
11	W	12E-0sw	0.068	e	2.79	1.81	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	e	16.44	38.26	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	162	110	307	198	126	111	310	200
	G	2 glazing, dr outr,	0.400	s	16.44	18.00	0	0	0	0	15	0	247	270
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	12	12	197	188	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	40	40	661	631	0	0	0	0
	W	12E-0sw	0.068	w	2.79	1.81	0	0	0	0	406	406	1135	733
	C	16X30-0ml	0.408	-	1.73	1.17	641	641	1108	752	499	499	862	585
	F	22A-tpm	1.180	-	48.50	0.00	504	36	1746	0	392	56	2716	0
6	c) AED excursion									0				0
	Envelope loss/gain								5156	2758			5826	2224
12	a) Infiltration								855	254			1736	517
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			4			920	0			0
			Appliances/other							1900				0
	Subtotal (lines 6 to 13)								6011	5833			7563	2741
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								6011	5833			7563	2741
15	Duct loads								635	424	4%	7%	312	196
	Total room load								6646	6257			7874	2937
	Air required (cfm)								315	315			133	133

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



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...ob Hall - Upwork Client - Heatload May 4thrup Calc = MJ8 Front Door faces: N



# Right-J® Worksheet

## BEDROOM

### VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				BEDROOM				BEDROOM2						
2 Exposed wall				56.0 ft				25.0 ft						
3 Room height				14.5 ft				14.5 ft						
4 Room dimensions				d				14.0 x 11.0 ft						
5 Room area				392.0 ft²				154.0 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	12E-0sw	0.068	n	2.79	1.81	126	111	310	200	126	111	310	200
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	15	0	247	236	15	0	247	236
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12E-0sw	0.068	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	126	111	310	200	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	18.00	15	0	247	270	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	w	2.79	1.81	406	406	1135	733	160	160	446	288
	C	16X30-0ml	0.408	-	1.73	1.17	499	499	862	585	196	196	339	230
	F	22A-tpm	1.180	-	48.50	0.00	392	56	2716	0	154	25	1212	0
6	c) AED excursion									0				-13
	Envelope loss/gain								5826	2224			2554	941
12	a) Infiltration								1736	517			753	224
	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)								7563	2741			3307	1165
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			12	8
14	Subtotal								7563	2741			3319	1173
15	Duct loads						4%	7%	312	196	4%	7%	137	84
	Total room load								7874	2937			3456	1257
	Air required (cfm)								133	133			59	57

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



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# Right-J® Worksheet

## BEDROOM

### VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				BEDROOM3 25.5 ft				SHARED BATH 5.5 ft						
2 Exposed wall				14.5 ft heat/cool				14.5 ft heat/cool						
3 Room height				14.0 x 11.5 ft				10.5 x 5.5 ft						
4 Room dimensions				161.0 ft²				57.8 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	12E-0sw	0.068	n	2.79	1.81	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12E-0sw	0.068	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	126	111	310	200	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	18.00	15	0	247	270	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	w	2.79	1.81	167	167	466	301	80	80	223	144
	C	16X30-0ml	0.408	-	1.73	1.17	205	205	354	240	73	73	127	86
	F	22A-tpm	1.180	-	48.50	0.00	161	26	1237	0	58	6	267	0
6	c) AED excursion									16				-3
	Envelope loss/gain								2614	1028			617	227
12	a) Infiltration								773	230			210	63
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		0			0	0			0	0
			Appliances/other						0	0			0	0
	Subtotal (lines 6 to 13)								3386	1258			827	290
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								12	8			19	12
14	Subtotal								3398	1266			846	302
15	Duct loads						4%	7%	140	90	4%	7%	35	22
	Total room load								3538	1356			881	324
	Air required (cfm)								60	62			15	15

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



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**Right-J® Worksheet**  
**BEDROOM**  
**VI Service**

**Job:** Sample  
**Date:** May 4th 2020  
**By:** Oby  
**Plan:** Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				HALL1										
2 Exposed wall				0 ft										
3 Room height				14.5 ft		heat/cool								
4 Room dimensions				19.3 ft <sup>2</sup>		3.5 x 5.5 ft								
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	12E-0sw	0.068	n	2.79	1.81	0	0	0	0				
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	0	0	0	0				
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0				
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0				
11	W	12E-0sw	0.068	e	0.00	0.00	0	0	0	0				
	G	2 glazing, dr outr,	0.400	e	0.00	0.00	0	0	0	0				
	W	12E-0sw	0.068	s	2.79	1.81	0	0	0	0				
	G	2 glazing, dr outr,	0.400	s	16.44	18.00	0	0	0	0				
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0				
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0				
	W	12E-0sw	0.068	w	2.79	1.81	0	0	0	0				
	C	16X30-0ml	0.408	-	1.73	1.17	24	24	42	29				
	F	22A-tpm	1.180	-	48.50	0.00	19	0	0	0				
6	c) AED excursion									0				
	Envelope loss/gain									42	28			
12	a) Infiltration									0	0			
	b) Room ventilation									0	0			
13	Internal gains:		Occupants @	230			0			0	0			
			Appliances/other							0	0			
	Subtotal (lines 6 to 13)									42	28			
	Less external load									0	0			
	Less transfer									0	0			
	Redistribution									-42	-28			
14	Subtotal									0	0			
15	Duct loads						4%	7%		0	0			
	Total room load									0	0			
	Air required (cfm)									0	0			

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





# Right-J® Worksheet MAIN VI Service

Job: Sample  
Date: May 4th 2020  
By: Oby  
Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				MAIN 36.0 ft				KITCHEN 10.5 ft						
2 Exposed wall				14.5 ft				14.5 ft						
3 Room height				d				heat/cool						
4 Room dimensions				504.0 ft²				136.5 ft²						
5 Room area								10.5 x 13.0 ft						
	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	12E-0sw	0.068	n	2.79	1.81	162	112	313	202	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	30	0	493	471	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	20	0	330	316	0	0	0	0
11	W	12E-0sw	0.068	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	162	110	307	198	95	83	231	149
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	12	12	197	188	12	12	197	188
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	40	40	661	631	0	0	0	0
	W	12E-0sw	0.068	w	0.00	0.00	0	0	0	0	0	0	0	0
	C	16X30-0ml	0.408	-	1.73	1.17	641	641	1108	752	174	174	300	204
	F	22A-tpm	1.180	-	48.50	0.00	504	36	1746	0	137	11	509	0
6	c) AED excursion									0				0
	Envelope loss/gain								5156	2758			1237	541
12	a) Infiltration								855	254			249	74
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		4				920	0			0
			Appliances/other							1900				1000
	Subtotal (lines 6 to 13)								6011	5833			1487	1615
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								6011	5833			1487	1615
15	Duct loads								635	424	11%	7%	157	117
	Total room load								6646	6257			1644	1733
	Air required (cfm)								315	315			78	87

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





# Right-J® Worksheet MAIN VI Service

Job: Sample  
Date: May 4th 2020  
By: Oby  
Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				GREAT ROOM				DINING						
2 Exposed wall				18.0 ft				7.5 ft						
3 Room height				14.5 ft heat/cool				14.5 ft heat/cool						
4 Room dimensions				18.0 x 15.0 ft				7.5 x 13.0 ft						
5 Room area				270.0 ft²				97.5 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	12E-0sw	0.068	n	2.79	1.81	162	112	313	202	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	30	0	493	471	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	20	0	330	316	0	0	0	0
11	W	12E-0sw	0.068	e	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	e	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	0	0	0	0	68	27	76	49
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	16.44	15.70	0	0	0	0	40	40	661	631
	W	12E-0sw	0.068	w	0.00	0.00	0	0	0	0	0	0	0	0
	C	16X30-0ml	0.408	-	1.73	1.17	343	343	594	403	124	124	214	145
	F	22A-tpm	1.180	-	48.50	0.00	270	18	873	0	98	8	364	0
6	c) AED excursion									0				0
	Envelope loss/gain								2603	1391			1315	826
12	a) Infiltration								428	127			178	53
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			4			920	0			0
			Appliances/other							900				0
	Subtotal (lines 6 to 13)								3031	3339			1493	879
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								3031	3339			1493	879
15	Duct loads							11%	320	243	11%	7%	158	64
	Total room load								3351	3582			1651	943
	Air required (cfm)								159	180			78	47

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





# Right-J® Worksheet MASTER VI Service

Job: Sample  
Date: May 4th 2020  
By: Oby  
Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				MASTER				MBEDRM						
2 Exposed wall				55.0 ft				25.5 ft						
3 Room height				14.5 ft				14.5 ft						
4 Room dimensions				d				13.5 x 12.0 ft						
5 Room area				378.0 ft²				162.0 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	12E-0sw	0.068	n	2.79	1.81	122	107	298	192	122	107	298	192
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	15	0	247	236	15	0	247	236
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12E-0sw	0.068	e	2.79	1.81	406	380	1062	686	174	174	486	314
	G	2 glazing, dr outr,	0.400	e	16.44	38.26	26	0	429	998	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	122	122	340	219	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	w	0.00	0.00	0	0	0	0	0	0	0	0
	C	16X30-0ml	0.408	-	1.73	1.17	481	481	831	564	206	206	356	242
	F	22A-tpm	1.180	-	48.50	0.00	378	55	2667	0	162	26	1237	0
6	c) AED excursion									0				-40
	Envelope loss/gain								5873	2895			2623	944
12	a) Infiltration								1713	510			780	232
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			2			460	2			460
			Appliances/other							1400				500
	Subtotal (lines 6 to 13)								7586	5265			3403	2136
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								7586	5265			3403	2136
15	Duct loads						7%	6%	521	338	7%	6%	234	137
	Total room load								8107	5603			3637	2273
	Air required (cfm)								255	255			114	103

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



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Right-Suite® Universal 2019 19.0.19 RSU09796

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...cob Hall - Upwork Client - Heatload May 4thrup Calc = MJ8 Front Door faces: N

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# Right-J® Worksheet MASTER VI Service

Job: Sample  
Date: May 4th 2020  
By: Oby  
Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				MCLST 0 ft				MBATH 9.5 ft						
2 Exposed wall				14.5 ft 1.0 x 52.5 ft heat/cool				14.5 ft 1.0 x 65.3 ft heat/cool						
3 Room height				52.5 ft²				65.3 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	12E-0sw	0.068	n	2.79	1.81	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12E-0sw	0.068	e	2.79	1.81	0	0	0	0	138	132	368	238
	G	2 glazing, dr outr,	0.400	e	16.44	38.26	0	0	0	0	6	0	99	230
	W	12E-0sw	0.068	s	2.79	1.81	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	w	0.00	0.00	0	0	0	0	0	0	0	0
	C	16X30-0ml	0.408	-	1.73	1.17	67	67	115	78	83	83	143	97
	F	22A-tpm	1.180	-	48.50	0.00	53	0	0	0	65	10	461	0
6	c) AED excursion									-1				10
	Envelope loss/gain								115	77			1071	575
12	a) Infiltration								0	0			364	108
	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)								115	77			1435	683
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								8	5			9	6
14	Subtotal								123	82			1443	689
15	Duct loads						7%	6%	8	5	7%	6%	99	44
	Total room load								132	87			1543	733
	Air required (cfm)								4	4			48	33

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





# Right-J® Worksheet MASTER VI Service

Job: Sample  
Date: May 4th 2020  
By: Oby  
Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

1 Room name				LAUNDRY 20.0 ft				STRG 0 ft						
2 Exposed wall				14.5 ft heat/cool				14.5 ft heat/cool						
3 Room height				87.8 ft <sup>2</sup> 13.5 x 6.5 ft				10.5 ft <sup>2</sup> 3.5 x 3.0 ft						
4 Room dimensions														
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 (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	12E-0sw	0.068	n	2.79	1.81	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	16.44	15.70	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	n	0.00	0.00	0	0	0	0	0	0	0	0
11	W	12E-0sw	0.068	e	2.79	1.81	94	74	207	134	0	0	0	0
	G	2 glazing, dr outr,	0.400	e	16.44	38.26	20	0	330	769	0	0	0	0
	W	12E-0sw	0.068	s	2.79	1.81	122	122	340	219	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	G	2 glazing, dr outr,	0.400	s	0.00	0.00	0	0	0	0	0	0	0	0
	W	12E-0sw	0.068	w	0.00	0.00	0	0	0	0	0	0	0	0
	C	16X30-0ml	0.408	-	1.73	1.17	112	112	193	131	13	13	23	16
	F	22A-tpm	1.180	-	48.50	0.00	88	20	970	0	11	0	0	0
6	c) AED excursion									32				0
	Envelope loss/gain								2040	1285			23	15
12	a) Infiltration								569	169			0	0
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230		0				0	0			0
			Appliances/other							900				0
	Subtotal (lines 6 to 13)								2610	2354			23	15
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								6	4			-23	-15
14	Subtotal								2616	2358			0	0
15	Duct loads						7%	6%	180	151	7%	6%	0	0
	Total room load								2795	2510			0	0
	Air required (cfm)								88	114			0	0

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



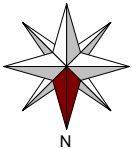
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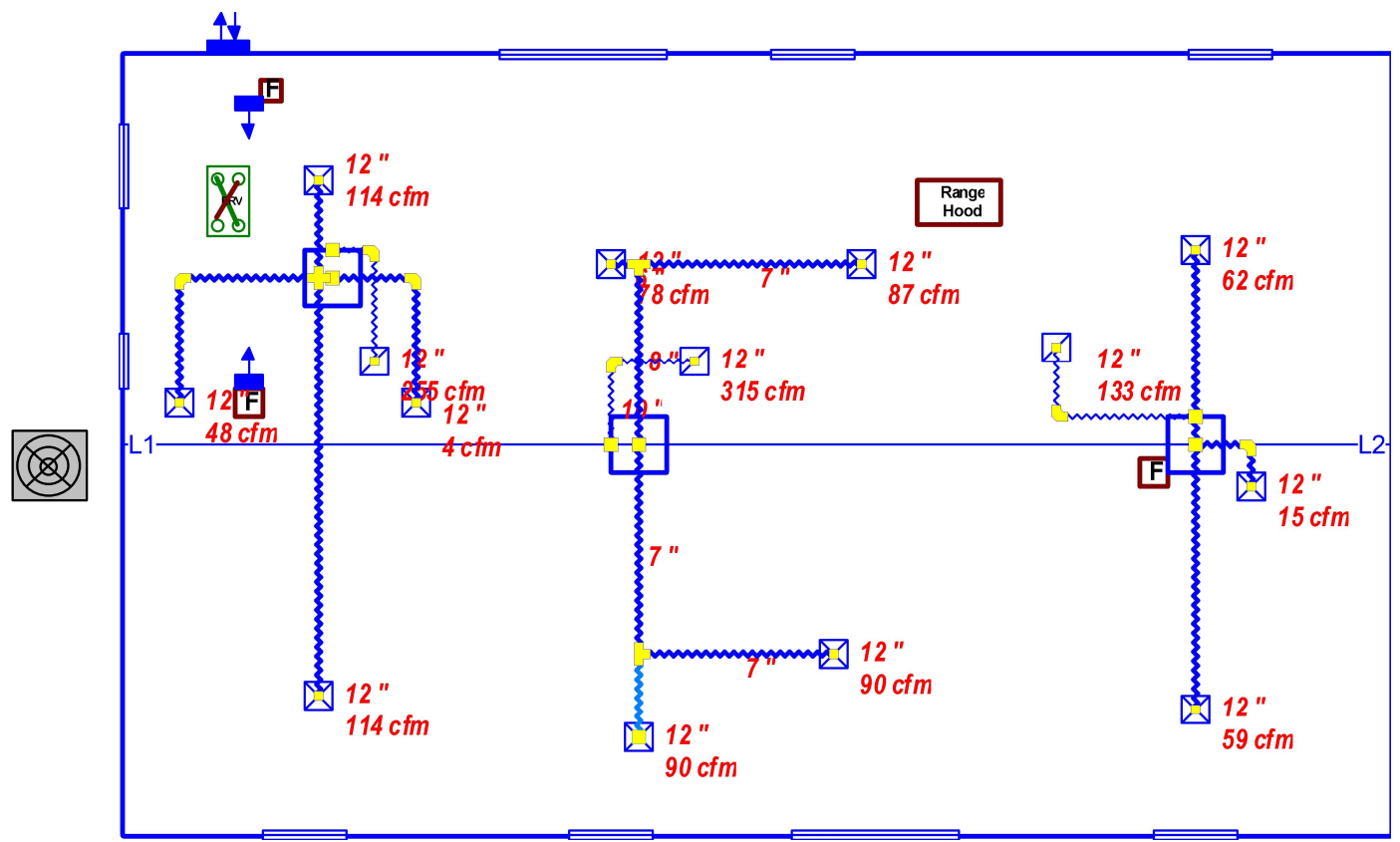
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...cob Hall - Upwork Client - Heatload May 4thrup Calc = MJ8 Front Door faces: N



### MAIN LEVEL



Job #: Sample  
Performed by Oby for:  
Sample  
Tallahassee, FL XXXXX

VI Service  
Tempe, AZ 85281  
Phone: 602-245-5273  
support@heatload.net

Scale: 1 : 83  
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# Duct System Summary

## BEDROOM

### VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

## Project Information

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FL XXXXX

	Heating	Cooling
External static pressure	0 in H2O	0 in H2O
Pressure losses	0 in H2O	0 in H2O
Available static pressure	0 in H2O	0 in H2O
Supply / return available pressure	0.000 / 0.000 in H2O	0.000 / 0.000 in H2O
Lowest friction rate	0 in/100ft	0 in/100ft
Actual air flow	133 cfm	133 cfm
Total effective length (TEL)		186 ft

## Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BEDROOM2	h 1257	59	57	0	0	0x0	VIFx	9.5	95.0	
BEDROOM3	c 1356	60	62	0	0	0x0	VIFx	7.0	95.0	
SHARED BATH	h 324	15	15	0	0	0x0	VIFx	3.5	105.0	

## Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb4	0x0	133	133	77.5	0	0	0	0x 0		VIFx	





# Duct System Summary

## MAIN

### VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

## Project Information

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FL XXXXX

	Heating	Cooling
External static pressure	<b>0.60</b> in H2O	<b>0.60</b> in H2O
Pressure losses	0.37 in H2O	0.37 in H2O
Available static pressure	0.23 in H2O	0.23 in H2O
Supply / return available pressure	0.143 / 0.087 in H2O	0.143 / 0.087 in H2O
Lowest friction rate	0.115 in/100ft	0.115 in/100ft
Actual air flow	315 cfm	315 cfm
Total effective length (TEL)		201 ft

## Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
DINING-A	h 1651	78	47	0.122	6.0	0x0	VIFx	7.5	110.0	st4
GREAT ROOM	c 1791	79	90	0	0	0x0	VIFx	0	0	
GREAT ROOM-A	c 1791	79	90	0.115	7.0	0x0	VIFx	14.5	110.0	st3
KITCHEN	c 1733	78	87	0.115	7.0	0x0	VIFx	14.5	110.0	st4

## Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st3	Peak AVF	79	90	0.115	337	7.0	0 x 0	VinIFlx	
st4	Peak AVF	156	135	0.115	447	8.0	0 x 0	VinIFlx	

## Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb5	0x0	315	315	76.0	0.115	577	10.0	0x 0		VIFx	

*Bold/italic values have been manually overridden*





# Duct System Summary

## MASTER

### VI Service

Job: Sample  
 Date: May 4th 2020  
 By: Oby  
 Plan: Unknown

Tempe, AZ 85281 Phone: 602-245-5273 Email: support@heatload.net

### Project Information

For: Sample, Front Door Faces ?/ Encapsulated  
 Tallahassee, FL XXXXX

	Heating	Cooling
External static pressure	0 in H2O	0 in H2O
Pressure losses	0 in H2O	0 in H2O
Available static pressure	0 in H2O	0 in H2O
Supply / return available pressure	0.000 / 0.000 in H2O	0.000 / 0.000 in H2O
Lowest friction rate	0 in/100ft	0 in/100ft
Actual air flow	255 cfm	255 cfm
Total effective length (TEL)		206 ft

### Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
LAUNDRY	c 2510	88	114	0	0	0x0	VIFx	4.0	110.0	st2
M.BATH	h 733	48	33	0	0	0x0	VIFx	10.0	120.0	st2
M.BEDRM	h 2273	114	103	0	0	0x0	VIFx	15.5	110.0	st2
M.CLST	h 87	4	4	0	0	0x0	VIFx	7.5	105.0	

### Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st2	Peak AVF	251	251	0	0	0	0 x 0	VinIFlx	

### Return Branch Detail Table

Name	Grille Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb6	0x0	255	255	75.5	0	0	0	0x 0		VIFx	

