Right J® Mobile Report
Entire House

Independent HVAC Company

Address of Independent HVAC Company

Job:
Date: 3/10/2026
By: Independent Trained Pro

Project Information

For: Customer, Property Address

Design Conditions

Location:
Wilmington, DE, US
Elevation: 79 ft
Latitude: 40°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	***10***	***95***
Daily range (°F)	-	17 (M)
Wet bulb (°F)	-	74
Wind speed (mph)	15.0	7.5

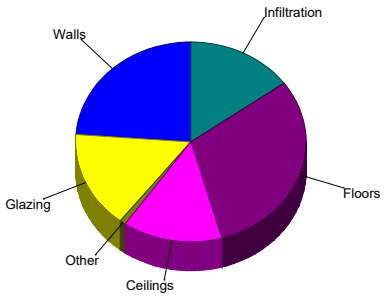
Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	75	70
Design TD (°F)	65	25
Relative humidity (%)	30	50
Moisture difference (gr/lb)	31.5	38.6

Infiltration:

Method	Simplified
Construction quality	Average
Fireplaces	0

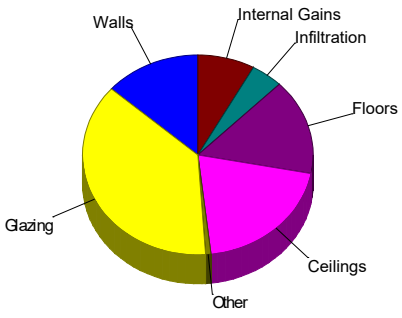
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	6.3	15113	23.8
Glazing	37.0	10004	15.7
Doors	25.3	532	0.8
Ceilings	7.3	8882	14.0
Floors	16.0	19508	30.7
Infiltration	3.5	9510	15.0
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	
Total		**63548**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.3	5603	13.5
Glazing	57.8	15599	37.6
Doors	14.8	310	0.7
Ceilings	6.9	8390	20.2
Floors	5.3	6423	15.5
Infiltration	0.7	1873	4.5
Ducts		0	0
Ventilation		0	0
Internal gains		3320	8.0
Blower		0	0
Adjustments		0	
Total		**41519**	**100.0**



Latent Cooling Load = 2586 Btuh
Overall U-value = 0.162 Btuh/ft²-°F, Window / Floor Area = 11.1 %

Data entries checked.

Bold/italic values have been manually overridden

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Project Summary
Entire House

Independent HVAC Company

Address of Independent HVAC Company

Job:
Date: 3/10/2026
By: Independent Trained Pro

Project Information

For: Customer, Property Address

Notes:

Design Information

Weather: Wilmington, DE, US

Winter Design Conditions

Outside db	***10***	°F
Inside db	75	°F
Design TD	65	°F
Ventilation Method	MJ8	

Summer Design Conditions

Outside db	***95***	°F
Inside db	70	°F
Design TD	25	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	39	gr/lb

Heating Summary

Structure	63548	Btuh
Ducts	0	Btuh
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	63548	Btuh

Sensible Cooling Equipment Load Sizing

Structure	41519	Btuh
Ducts	0	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	y	
Rate/swing multiplier	1.00	
Equipment sensible load	41519	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2440	2440
Volume (ft³)	19520	19520
Air changes/hour	0.41	0.21
Equiv. AVF (cfm)	133	68

Latent Cooling Equipment Load Sizing

Structure	2586	Btuh
Ducts	0	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	2586	Btuh
Equipment Total Load (Sen+Lat)	44105	Btuh
Req. total capacity at 0.70 SHR	4.9	ton

Heating Equipment Summary

Make		
Trade		
Model		
AHRI ref		
Efficiency	0	AFUE
Heating input	0	Btuh
Heating output	0	Btuh
Temperature rise	0	°F
Actual air flow	2523	cfm
Air flow factor	0.040	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	2523	cfm
Air flow factor	0.061	cfm/Btuh
Static pressure	0	in H2O
Load sensible heat ratio	0.94	

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

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Right-J® Worksheet
Entire House

Independent HVAC Company

Address of Independent HVAC Company

Job:
Date: 3/10/2026
By: Independent Trained Pro

		Entire House	First Floor
1	Room name		
2	Exposed wall	336.0 ft	168.0 ft
3	Room height	8.0 ft d	8.0 ft heat/cool
4	Room dimensions		1.0 x 1220.0 ft
5	Room area	2440.0 ft²	1220.0 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	12B-0bw	0.097	n	6.31	2.34	352	317	1999	741	176	159	999	371
.	└G	1D-c2ow	0.570	n	37.05	25.10	35	0	1297	878	18	0	648	439
.	W	12B-0bw	0.097	e	6.31	2.34	992	871	5492	2036	496	425	2680	994
.	├G	1D-c2ow	0.570	e	37.05	67.12	100	0	3705	6712	50	0	1852	3356
11	└D	11D0	0.390	e	25.35	14.78	21	21	532	310	21	21	532	310
	W	12B-0bw	0.097	s	6.31	2.34	352	317	1999	741	176	159	999	371
	└G	1D-c2ow	0.570	s	37.05	37.03	35	0	1297	1296	18	0	648	648
	W	12B-0bw	0.097	w	6.31	2.34	992	892	5624	2085	496	446	2812	1043
	└G	1D-c2ow	0.570	w	37.05	67.12	100	0	3705	6712	50	0	1852	3356
	C	16B-7ad	0.112	-	7.28	6.88	1220	1220	8882	8390	0	0	0	0
	F	20P-2t	0.246	-	15.99	5.26	1220	1220	19508	6423	1220	1220	19508	6423

6	c) AED excursion									0				0
	Envelope loss/gain								54038	36325			32532	17310
12	a) Infiltration								9510	1873			4755	937
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				4			920	4			920
		Appliances/other								2400				2400
	Subtotal (lines 6 to 13)								63548	41519			37287	21566
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								63548	41519			37287	21566
15	Duct loads						0%	0%	0	0	-0%	0%	0	0
	Total room load								63548	41519			37287	21566
	Air required (cfm)								2523	2523			1481	1311

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

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Right-J® Worksheet
Entire House

Independent HVAC Company

Address of Independent HVAC Company

Job:
Date: 3/10/2026
By: Independent Trained Pro

1	Room name					Second Floor									
2	Exposed wall					168.0 ft									
3	Room height					8.0 ft				heat/cool					
4	Room dimensions					1.0 x 1220.0 ft									
5	Room area					1220.0 ft²									
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area or perimeter (ft²) (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	12B-0bw	0.097	n	6.31	2.34	176	159	999	371				
.	└G	1D-c2ow	0.570	n	37.05	25.10	18	0	648	439				
.	W	12B-0bw	0.097	e	6.31	2.34	496	446	2812	1043				
.	├G	1D-c2ow	0.570	e	37.05	67.12	50	0	1852	3356				
11	└D	11D0	0.390	e	25.35	14.78	0	0	0	0				
	W	12B-0bw	0.097	s	6.31	2.34	176	159	999	371				
	└G	1D-c2ow	0.570	s	37.05	37.03	17	0	648	648				
	W	12B-0bw	0.097	w	6.31	2.34	496	446	2812	1043				
	└G	1D-c2ow	0.570	w	37.05	67.12	50	0	1852	3356				
	C	16B-7ad	0.112	-	7.28	6.88	1220	1220	8882	8390				
	F	20P-2t	0.246	-	15.99	5.26	0	0	0	0				
6	c) AED excursion									0				
	Envelope loss/gain								21506	19016				
12	a) Infiltration								4755	937				
	b) Room ventilation								0	0				
13	Internal gains:	Occupants @ 230					0			0				
		Appliances/other								0				
	Subtotal (lines 6 to 13)								26261	19952				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								26261	19952				
15	Duct loads						-0%	0%	0	0				
	Total room load								26261	19952				
	Air required (cfm)								1043	1213				

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Component Constructions
Entire House

Job:
Date: 3/10/2026
By: Independent Trained Pro

Independent HVAC Company

Address of Independent HVAC Company

Project Information

For: Customer, Property Address

Design Conditions

Location:
Wilmington, DE, US
Elevation: 79 ft
Latitude: 40°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	***10***	***95***
Daily range (°F)	-	17 (M)
Wet bulb (°F)	-	74
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	75	70
Design TD (°F)	65	25
Relative humidity (%)	30	50
Moisture difference (gr/lb)	31.5	38.6

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	0

Construction descriptions	**Or**	**Area** ft²	**U-value** Btuh/ft²-°F	**Insul R** ft²-°F/Btuh	**Htg HTM** Btuh/ft²	**Loss** Btuh	**Clg HTM** Btuh/ft²	**Gain** Btuh
Walls								
12B-0bw: Frm wall, brk 4" ext, r-11 cav ins, 1/2" gypsum board int fnsh, 2"x4" wood frm, 16" o.c. stud	n	317	0.097	11.0	6.31	1999	2.34	741
	e	871	0.097	11.0	6.31	5492	2.34	2036
	s	317	0.097	11.0	6.31	1999	2.34	741
	w	892	0.097	11.0	6.30	5624	2.34	2085
	all	2397	0.097	11.0	6.31	15113	2.34	5603
Partitions								
(none)								
Windows								
1D-c2ow: 2 glazing, clr outr, air gas, wd frm mat, clr innr, 1/4" gap, 1/8" thk; 6.67 ft head ht	n	35	0.570	0	37.0	1297	25.1	878
	e	100	0.570	0	37.0	3705	67.1	6712
	s	35	0.570	0	37.0	1297	37.0	1296
	w	100	0.570	0	37.0	3705	67.1	6712
	all	270	0.570	0	37.0	10004	57.8	15599
Doors								
11D0: Door, wd sc type	e	21	0.390	0	25.3	532	14.8	310
Ceilings								
16B-7ad: Attic ceiling, asphalt shingles roof mat, r-7 ceil ins, 1/2" gypsum board int fnsh		1220	0.112	7.0	7.28	8882	6.88	8390
Floors								
20P-2t: Flr floor, wd flr, 1" thkns, tile flr fnsh, r-2 ext ins, amb ovr		1220	0.246	2.0	16.0	19508	5.26	6423

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AED Assessment
Entire House

Job:
Date: 3/10/2026
By: Independent Trained Pro

Independent HVAC Company

Address of Independent HVAC Company

Project Information

For: Customer, Property Address

Design Conditions

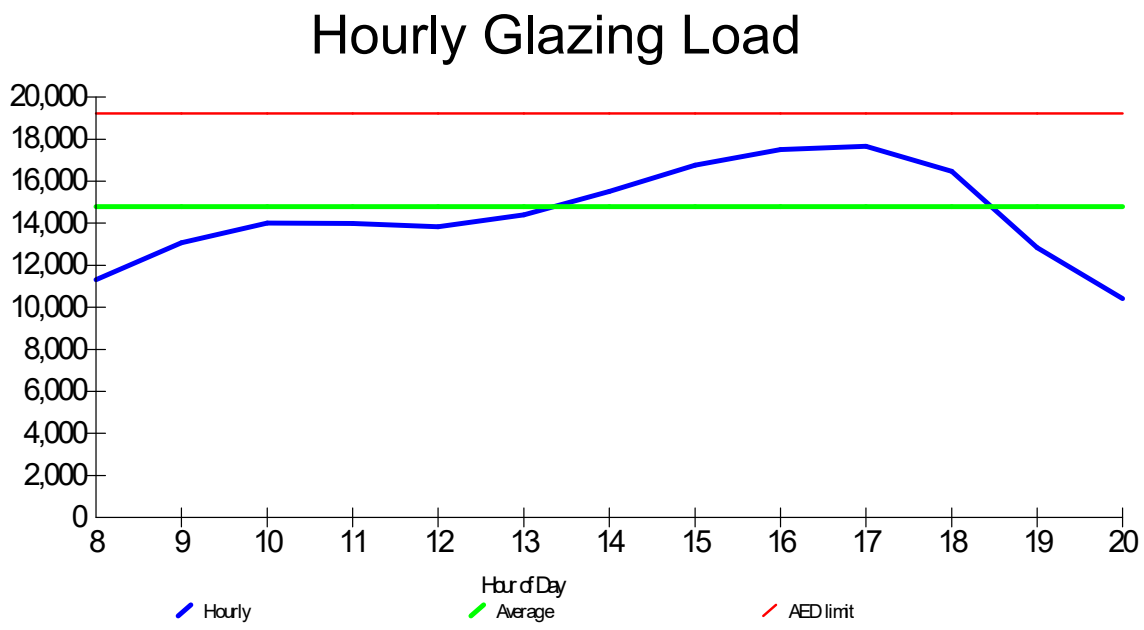
Location:
Wilmington, DE, US
Elevation: 79 ft
Latitude: 40°N

Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	***10***	***95***
Daily range (°F)	-	17 (M)
Wet bulb (°F)	-	74
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	75	70
Design TD (°F)	65	25
Relative humidity (%)	30	50
Moisture difference (gr/lb)	31.5	38.6

Infiltration:

Test for Adequate Exposure Diversity

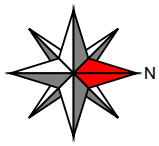


Maximum hourly glazing load exceeds average by 19.5%.

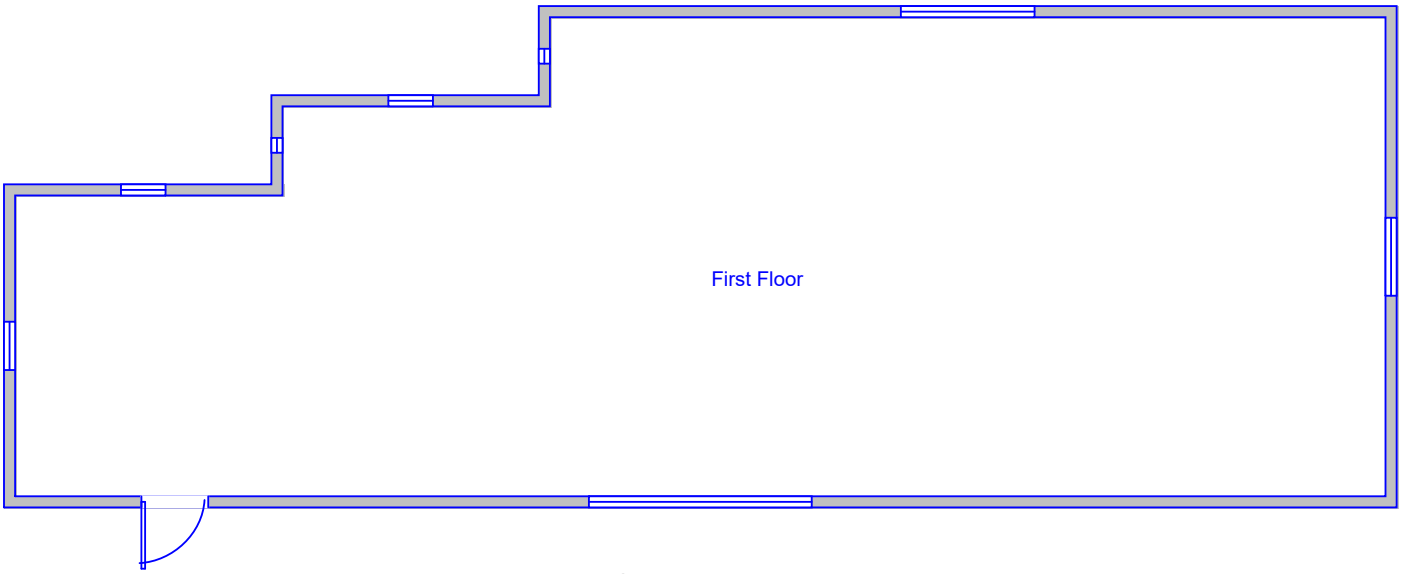
House has adequate exposure diversity (AED), based on AED limit of 30%.

AED excursion: 0 Btuh

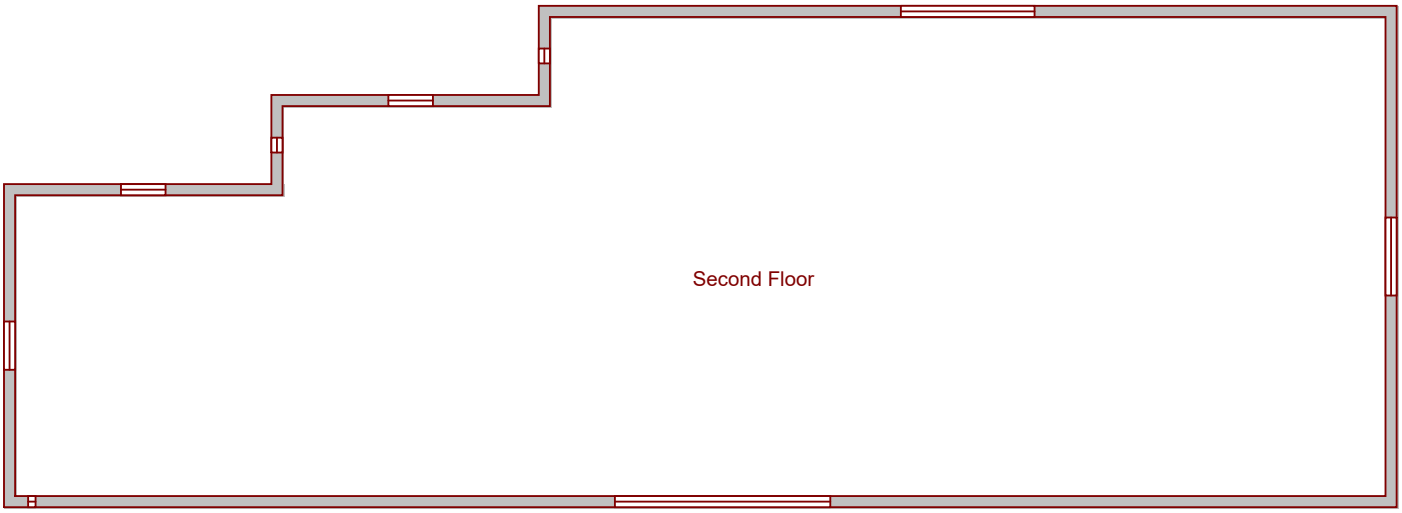
Bold/italic values have been manually overridden



First Floor



Second Floor



Company and HVAC Technition

Customer

HVAC Company and Address

Scale: 1 : 103

Right-Suite® Universal 2025
25.0.05 Right J® Mobile
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