

Air System Sizing Summary for HVAC PLAN

Project Name: New PPlan
Prepared by: E Lab

10/13/2024
11:52AM

Air System Information

Air System Name HVAC PLAN
Equipment Class SPLT AHU
Air System Type SZCAV

Number of zones 1
Floor Area 734.4 ft²
Location Milwaukee, Wisconsin

Sizing Calculation Information

Calculation Months Jan to Dec
Sizing Data Calculated

Zone CFM Sizing Sum of space airflow rates
Space CFM Sizing Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load 1.6 Tons
Total coil load 19.5 MBH
Sensible coil load 16.5 MBH
Coil CFM at Jul 1600 1089 CFM
Max block CFM 1089 CFM
Sum of peak zone CFM 1089 CFM
Sensible heat ratio 0.844
CFM/Ton 669.6
ft²/Ton 451.8
BTU/(hr-ft²) 26.6
Water flow @ 10.0 °F rise N/A

Load occurs at Jul 1600
OA DB / WB 88.5 / 73.9 °F
Entering DB / WB 76.9 / 67.0 °F
Leaving DB / WB 62.6 / 61.4 °F
Coil ADP 60.6 °F
Bypass Factor 0.120
Resulting RH 61 %
Design supply temp. 55.0 °F
Zone T-stat Check 1 of 1 OK
Max zone temperature deviation 0.0 °F

Central Heating Coil Sizing Data

Max coil load 30.6 MBH
Coil CFM at Des Htg 1089 CFM
Max coil CFM 1089 CFM
Water flow @ 20.0 °F drop N/A

Load occurs at Des Htg
BTU/(hr-ft²) 41.7
Ent. DB / Lvg DB 62.4 / 89.1 °F

Supply Fan Sizing Data

Actual max CFM 1089 CFM
Standard CFM 1062 CFM
Actual max CFM/ft² 1.48 CFM/ft²

Fan motor BHP 0.00 BHP
Fan motor kW 0.00 kW
Fan static 0.00 in wg

Outdoor Ventilation Air Data

Design airflow CFM 94 CFM
CFM/ft² 0.13 CFM/ft²

CFM/person 11.69 CFM/person

Zone Sizing Summary for HVAC PLAN

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Calculation Months Jan to Dec
Sizing Data Calculated

Zone CFM Sizing Sum of space airflow rates
Space CFM Sizing Individual peak space loads

Zone Terminal Sizing Data

Zone Name	Design Supply Airflow (CFM)	Minimum Supply Airflow (CFM)	Zone CFM/ft ²	Reheat Coil Load (MBH)	Reheat Coil Water gpm @ 20.0 °F	Zone Htg Unit Coil Load (MBH)	Zone Htg Unit Water gpm @ 20.0 °F	Mixing Box Fan Airflow (CFM)
Zone 1	1089	1089	1.48	0.0	-	0.0	-	0

Zone Peak Sensible Loads

Zone Name	Zone Cooling Sensible (MBH)	Time of Peak Sensible Cooling Load	Zone Heating Load (MBH)	Zone Floor Area (ft ²)
Zone 1	16.0	Jul 1700	24.0	734.4

Space Loads and Airflows

Zone Name / Space Name	Mult.	Cooling Sensible (MBH)	Time of Peak Sensible Load	Air Flow (CFM)	Heating Load (MBH)	Floor Area (ft ²)	Space CFM/ft ²
Zone 1							
Kitchen	1	8.8	Jul 1700	417	6.3	226.6	1.84
Rest room	1	1.5	Jul 2100	85	2.2	41.3	2.06
Sales	1	1.1	Jul 1700	202	5.3	156.0	1.30
Waiting Room	1	3.1	Jul 1600	307	8.1	277.0	1.11
Storage	1	1.6	Jul 2200	78	2.0	33.5	2.32

Ventilation Sizing Summary for HVAC PLAN

Project Name: New PPlan
Prepared by: E Lab

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1. Summary

Ventilation Sizing Method **Sum of Space OA Airflows**
Design Ventilation Airflow Rate **94** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
Kitchen	1	226.6	5.0	417.0	7.50	0.12	0.0	0.0	64.7
Rest room	1	41.3	1.0	85.2	5.00	0.06	0.0	0.0	7.5
Sales	1	156.0	0.0	202.2	7.50	0.06	0.0	0.0	9.4
Waiting Room	1	277.0	0.0	306.5	0.00	0.00	0.0	0.0	0.0
Storage	1	33.5	2.0	77.7	5.00	0.06	0.0	0.0	12.0
Totals (incl. Space Multipliers)				1088.5					93.5

Air System Design Load Summary for HVAC PLAN

Project Name: New PPlan
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	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 88.5 °F / 73.9 °F			HEATING OA DB / WB -7.0 °F / -8.1 °F		
ZONE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	45 ft²	1605	-	45 ft²	-	-
Wall Transmission	1949 ft²	3035	-	1949 ft²	13672	-
Roof Transmission	578 ft²	823	-	578 ft²	1146	-
Window Transmission	45 ft²	288	-	45 ft²	2037	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	308 ft²	1006	-	308 ft²	7115	-
Floor Transmission	734 ft²	0	-	734 ft²	0	-
Partitions	685 ft²	0	-	685 ft²	0	-
Ceiling	366 ft²	0	-	366 ft²	0	-
Overhead Lighting	301 W	858	-	0	0	-
Task Lighting	301 W	934	-	0	0	-
Electric Equipment	1200 W	3791	-	0	0	-
People	8	1554	1640	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	2084	82	0%	0	0
>> Total Zone Loads	-	15977	1722	-	23971	0
Zone Conditioning	-	15207	1722	-	23141	0
Plenum Wall Load	0%	0	-	0	0	-
Plenum Roof Load	0%	0	-	0	0	-
Plenum Lighting Load	0%	0	-	0	0	-
Return Fan Load	1089 CFM	0	-	1089 CFM	0	-
Ventilation Load	94 CFM	1249	1327	94 CFM	7478	0
Supply Fan Load	1089 CFM	0	-	1089 CFM	0	-
Space Fan Coil Fans	-	0	-	-	0	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	-	16456	3049	-	30619	0
Central Cooling Coil	-	16456	3052	-	0	0
Central Heating Coil	-	0	-	-	30619	-
>> Total Conditioning	-	16456	3052	-	30619	0
Key:	Positive values are clg loads Negative values are htg loads			Positive values are htg loads Negative values are clg loads		

Zone Design Load Summary for HVAC PLAN

Project Name: New PPlan
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Zone 1	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 87.3 °F / 73.6 °F			HEATING OA DB / WB -7.0 °F / -8.1 °F		
	OCCUPIED T-STAT 75.0 °F			OCCUPIED T-STAT 70.0 °F		
ZONE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	45 ft²	1501	-	45 ft²	-	-
Wall Transmission	1949 ft²	3183	-	1949 ft²	13672	-
Roof Transmission	578 ft²	823	-	578 ft²	1146	-
Window Transmission	45 ft²	272	-	45 ft²	2037	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	308 ft²	948	-	308 ft²	7115	-
Floor Transmission	734 ft²	0	-	734 ft²	0	-
Partitions	685 ft²	0	-	685 ft²	0	-
Ceiling	366 ft²	0	-	366 ft²	0	-
Overhead Lighting	301 W	869	-	0	0	-
Task Lighting	301 W	940	-	0	0	-
Electric Equipment	1200 W	3811	-	0	0	-
People	8	1580	1640	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	2089	82	0%	0	0
>> Total Zone Loads	-	16017	1722	-	23971	0

Space Design Load Summary for HVAC PLAN

Project Name: New PPlan
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TABLE 1.1.A. Component Loads For Space "Kitchen" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 87.3 °F / 73.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB -7.0 °F / -8.1 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	15 ft²	617	-	15 ft²	-	-
Wall Transmission	528 ft²	891	-	528 ft²	3704	-
Roof Transmission	227 ft²	323	-	227 ft²	449	-
Window Transmission	15 ft²	91	-	15 ft²	679	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	63 ft²	194	-	63 ft²	1455	-
Floor Transmission	227 ft²	0	-	227 ft²	0	-
Partitions	170 ft²	0	-	170 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	227 W	653	-	0	0	-
Task Lighting	227 W	707	-	0	0	-
Electric Equipment	1000 W	3176	-	0	0	-
People	5	988	1025	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	1146	51	0%	0	0
>> Total Zone Loads	-	8784	1076	-	6287	0

TABLE 1.1.B. Envelope Loads For Space "Kitchen" In Zone "Zone 1"

	Area (ft²)	U-Value (BTU/(hr·ft²·°F))	Shade Coeff.	COOLING TRANS (BTU/hr)	COOLING SOLAR (BTU/hr)	HEATING TRANS (BTU/hr)
N EXPOSURE						
WALL	133	0.091	-	139	-	933
S EXPOSURE						
WALL	133	0.091	-	227	-	933
E EXPOSURE						
WALL	113	0.091	-	265	-	793
WINDOW 1	15	0.588	0.811	91	617	679
DOOR	42	0.300	-	129	-	970
W EXPOSURE						
WALL	149	0.091	-	260	-	1045
DOOR	21	0.300	-	65	-	485
H EXPOSURE						
ROOF	227	0.026	-	323	-	449

Space Design Load Summary for HVAC PLAN

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TABLE 1.2.A. Component Loads For Space "Rest room" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 2100 COOLING OA DB / WB 79.4 °F / 71.3 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB -7.0 °F / -8.1 °F OCCUPIED T-STAT 70.0 °F		
SPACE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	239 ft²	456	-	239 ft²	1677	-
Roof Transmission	41 ft²	39	-	41 ft²	82	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	21 ft²	32	-	21 ft²	485	-
Floor Transmission	41 ft²	0	-	41 ft²	0	-
Partitions	180 ft²	0	-	180 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	41 W	124	-	0	0	-
Task Lighting	41 W	132	-	0	0	-
Electric Equipment	100 W	323	-	0	0	-
People	1	209	205	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	197	10	0%	0	0
>> Total Zone Loads	-	1512	215	-	2244	0

TABLE 1.2.B. Envelope Loads For Space "Rest room" In Zone "Zone 1"

	Area (ft²)	U-Value (BTU/(hr-ft²-°F))	Shade Coeff.	COOLING TRANS (BTU/hr)	COOLING SOLAR (BTU/hr)	HEATING TRANS (BTU/hr)
N EXPOSURE						
WALL	80	0.091	-	99	-	561
S EXPOSURE						
WALL	59	0.091	-	118	-	414
DOOR	21	0.300	-	32	-	485
E EXPOSURE						
WALL	50	0.091	-	120	-	351
W EXPOSURE						
WALL	50	0.091	-	119	-	351
H EXPOSURE						
ROOF	41	0.026	-	39	-	82

Space Design Load Summary for HVAC PLAN

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TABLE 1.3.A. Component Loads For Space "Sales" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 87.3 °F / 73.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB -7.0 °F / -8.1 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	390 ft²	622	-	390 ft²	2736	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	112 ft²	345	-	112 ft²	2587	-
Floor Transmission	156 ft²	0	-	156 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	366 ft²	0	-	366 ft²	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	145	0	0%	0	0
>> Total Zone Loads	-	1112	0	-	5323	0

TABLE 1.3.B. Envelope Loads For Space "Sales" In Zone "Zone 1"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr-ft²-°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
N EXPOSURE						
WALL	115	0.091	-	120	-	807
DOOR	21	0.300	-	65	-	485
S EXPOSURE						
WALL	136	0.091	-	232	-	954
E EXPOSURE						
WALL	45	0.091	-	105	-	316
DOOR	70	0.300	-	216	-	1617
W EXPOSURE						
WALL	94	0.091	-	164	-	659
DOOR	21	0.300	-	65	-	485

Space Design Load Summary for HVAC PLAN

Project Name: New PPlan
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TABLE 1.4.A. Component Loads For Space "Waiting Room" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 88.5 °F / 73.9 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB -7.0 °F / -8.1 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	30 ft²	945	-	30 ft²	-	-
Wall Transmission	579 ft²	886	-	579 ft²	4062	-
Roof Transmission	277 ft²	394	-	277 ft²	549	-
Window Transmission	30 ft²	192	-	30 ft²	1358	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	91 ft²	297	-	91 ft²	2102	-
Floor Transmission	277 ft²	0	-	277 ft²	0	-
Partitions	170 ft²	0	-	170 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	407	0	0%	0	0
>> Total Zone Loads	-	3122	0	-	8071	0

TABLE 1.4.B. Envelope Loads For Space "Waiting Room" In Zone "Zone 1"

	Area (ft²)	U-Value (BTU/(hr-ft²-°F))	Shade Coeff.	COOLING TRANS (BTU/hr)	COOLING SOLAR (BTU/hr)	HEATING TRANS (BTU/hr)
N EXPOSURE						
WALL	100	0.091	-	100	-	701
S EXPOSURE						
WALL	220	0.091	-	350	-	1543
NE EXPOSURE						
WALL	159	0.091	-	270	-	1115
WINDOW 1	30	0.588	0.811	192	945	1358
DOOR	21	0.300	-	69	-	485
W EXPOSURE						
WALL	100	0.091	-	165	-	701
DOOR	70	0.300	-	229	-	1617
H EXPOSURE						
ROOF	277	0.026	-	394	-	549

Space Design Load Summary for HVAC PLAN

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TABLE 1.5.A. Component Loads For Space "Storage" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 2200 COOLING OA DB / WB 77.7 °F / 70.9 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB -7.0 °F / -8.1 °F OCCUPIED T-STAT 70.0 °F		
SPACE LOADS	Details	Sensible (BTU/hr)	Latent (BTU/hr)	Details	Sensible (BTU/hr)	Latent (BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	213 ft²	411	-	213 ft²	1494	-
Roof Transmission	34 ft²	27	-	34 ft²	66	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	21 ft²	25	-	21 ft²	485	-
Floor Transmission	34 ft²	0	-	34 ft²	0	-
Partitions	165 ft²	0	-	165 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	34 W	102	-	0	0	-
Task Lighting	34 W	107	-	0	0	-
Electric Equipment	100 W	324	-	0	0	-
People	2	422	410	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	15% / 5%	213	21	0%	0	0
>> Total Zone Loads	-	1631	431	-	2046	0

TABLE 1.5.B. Envelope Loads For Space "Storage" In Zone "Zone 1"

	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	TRANS (BTU/hr)	SOLAR (BTU/hr)	TRANS (BTU/hr)
N EXPOSURE						
WALL	67	0.091	-	85	-	470
S EXPOSURE						
WALL	67	0.091	-	135	-	470
E EXPOSURE						
WALL	50	0.091	-	119	-	351
W EXPOSURE						
WALL	29	0.091	-	72	-	203
DOOR	21	0.300	-	25	-	485
H EXPOSURE						
ROOF	34	0.026	-	27	-	66

System Psychrometrics for HVAC PLAN

Project Name: New PPlan
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July DESIGN COOLING DAY, 1600

TABLE 1: SYSTEM DATA

Component	Location	Dry-Bulb Temp (°F)	Specific Humidity (lb/lb)	Airflow (CFM)	CO2 Level (ppm)	Sensible Heat (BTU/hr)	Latent Heat (BTU/hr)
Ventilation Air	Inlet	88.5	0.01506	94	400	1249	1327
Vent - Return Mixing	Outlet	76.9	0.01226	1089	1240	-	-
Central Cooling Coil	Outlet	62.6	0.01165	1089	1240	16456	3052
Central Heating Coil	Outlet	62.6	0.01165	1089	1240	0	-
Supply Fan	Outlet	62.6	0.01165	1089	1240	0	-
Cold Supply Duct	Outlet	62.6	0.01165	1089	1240	-	-
Zone Air	-	75.8	0.01199	1089	1319	15207	1722
Return Plenum	Outlet	75.8	0.01199	1089	1319	0	-

Air Density x Heat Capacity x Conversion Factor: At sea level = 1.080; At site altitude = 1.053 BTU/(hr-CFM-F)

Air Density x Heat of Vaporization x Conversion Factor: At sea level = 4746.6; At site altitude = 4629.1 BTU/(hr-CFM)

Site Altitude = 692.0 ft

TABLE 2: ZONE DATA

Zone Name	Zone Sensible Load (BTU/hr)	T-stat Mode	Zone Cond (BTU/hr)	Zone Temp (°F)	Zone Airflow (CFM)	CO2 Level (ppm)	Terminal Heating Coil (BTU/hr)	Zone Heating Unit (BTU/hr)
Zone 1	15977	Cooling	15207	75.8	1089	1319	0	0

System Psychrometrics for HVAC PLAN

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WINTER DESIGN HEATING

TABLE 1: SYSTEM DATA

Component	Location	Dry-Bulb Temp (°F)	Specific Humidity (lb/lb)	Airflow (CFM)	CO2 Level (ppm)	Sensible Heat (BTU/hr)	Latent Heat (BTU/hr)
Ventilation Air	Inlet	-7.0	0.00028	94	400	-7478	0
Vent - Return Mixing	Outlet	62.4	0.00028	1089	504	-	-
Central Cooling Coil	Outlet	62.4	0.00028	1089	504	0	0
Central Heating Coil	Outlet	89.1	0.00028	1089	504	30619	-
Supply Fan	Outlet	89.1	0.00028	1089	504	0	-
Cold Supply Duct	Outlet	89.1	0.00028	1089	504	-	-
Zone Air	-	68.9	0.00028	1089	514	-23141	0
Return Plenum	Outlet	68.9	0.00028	1089	514	0	-

Air Density x Heat Capacity x Conversion Factor: At sea level = 1.080; At site altitude = 1.053 BTU/(hr-CFM-F)

Air Density x Heat of Vaporization x Conversion Factor: At sea level = 4746.6; At site altitude = 4629.1 BTU/(hr-CFM)

Site Altitude = 692.0 ft

TABLE 2: ZONE DATA

Zone Name	Zone Sensible Load (BTU/hr)	T-stat Mode	Zone Cond (BTU/hr)	Zone Temp (°F)	Zone Airflow (CFM)	CO2 Level (ppm)	Terminal Heating Coil (BTU/hr)	Zone Heating Unit (BTU/hr)
Zone 1	-23971	Heating	-23141	68.9	1089	514	0	0

System Psychrometrics for HVAC PLAN

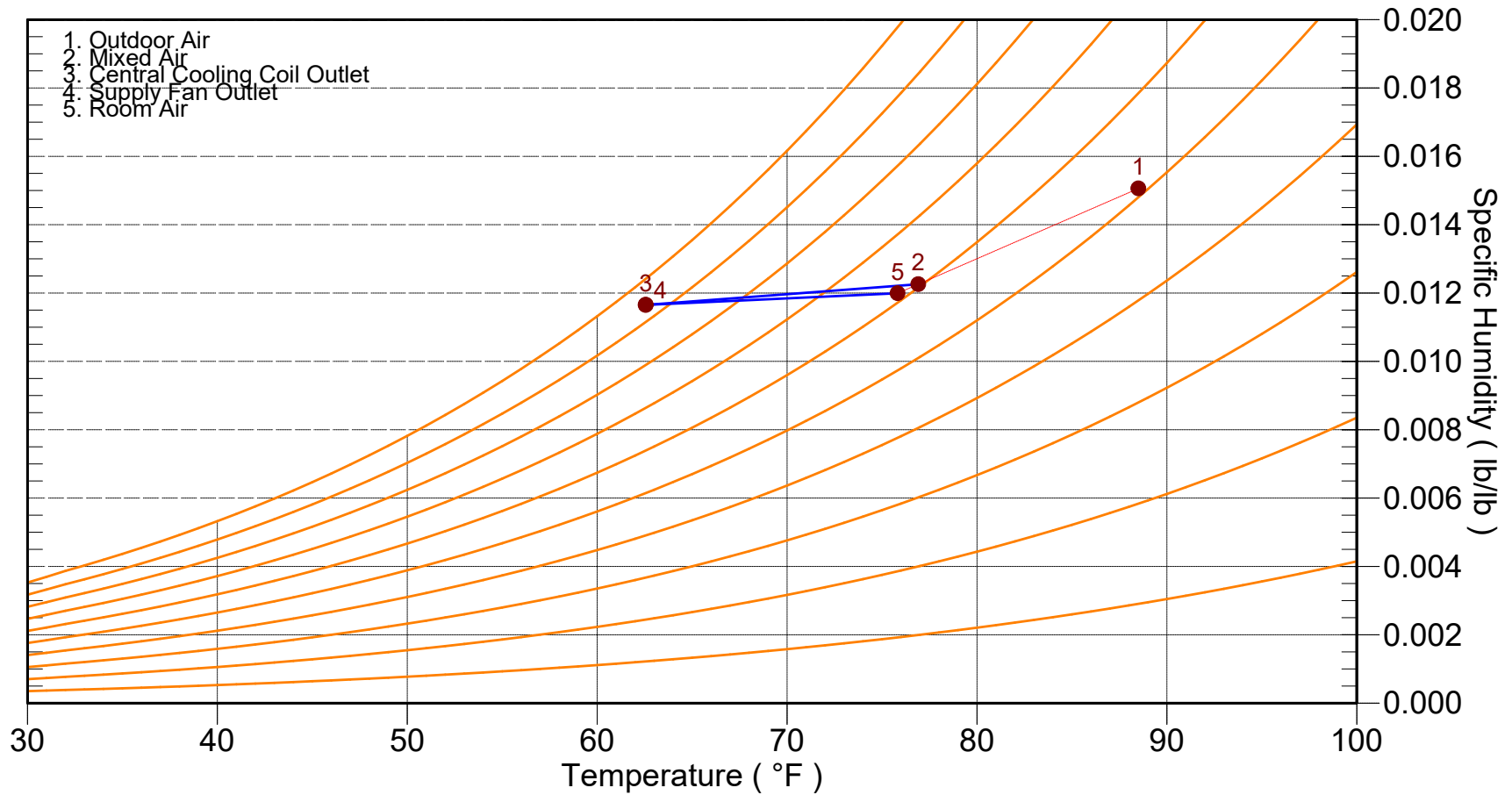
Project Name: New PLan
Prepared by: E Lab

10/13/2024
11:52AM

Location: Milwaukee, Wisconsin

Altitude: 692.0 ft.

Data for: July DESIGN COOLING DAY, 1600



System Psychrometrics for HVAC PLAN

Project Name: New P Lan
Prepared by: E Lab

10/13/2024
11:52AM

Location: Milwaukee, Wisconsin
Altitude: 692.0 ft.
Data for: WINTER DESIGN HEATING

