

Location **Puyallup**
 Building owner **PSE**
 Program user **GJT**
 Company **MMFS**
 Comments **Permit Loads**

By **MACDONALD-MILLER FACILITY SOLUTIONS**
 Dataset name **C:\Users\townsendg\Documents\TRACE 700 Project\Trane Trace 700 Jobs\72247070-01 - PSE OTC VRF IHP Add\72247070-1-00.TRC**

Calculation time **08:59 AM on 12/31/2025**
 TRACE® 700 version **6.3.5**

Location **Seattle, Washington**
 Latitude **47.0 deg**
 Longitude **122.0 deg**
 Time Zone **8**
 Elevation **386 ft**
 Barometric pressure **29.5 in. Hg**

Air density **0.0749 lb/cu ft**
 Air specific heat **0.2444 Btu/lb·°F**
 Density-specific heat product **1.0988 Btu/h·cfm·°F**
 Latent heat factor **4,836.9 Btu·min/h·cu ft**
 Enthalpy factor **4.4953 lb·min/hr·cu ft**

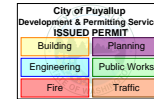
Summer design dry bulb **80.0 °F**
 Summer design wet bulb **64.0 °F**
 Winter design dry bulb **26.0 °F**
 Summer clearness number **0.95**
 Winter clearness number **0.95**
 Summer ground reflectance **0.20**
 Winter ground reflectance **0.20**
 Carbon Dioxide Level **400 ppm**

Design simulation period **January - December**
 Cooling load methodology **CLTD-CLF (ASHRAE TFM)**
 Heating load methodology **UATD**



Load / Airflow Summary

By MACDONALD-MILLER FACILITY SOLUTIONS



PRMH20260004

System	Zone	Room **	Floor Area ft ²	People #	Coil	Coil	Space	Air Changes ach/hr	VAV	VAV Minimum %	Main Coil	Heating	Percent OA					
					Cooling Sensible Btu/h	Cooling Total Btu/h	Design Max SA cfm		Minimum SA cfm		Heating Sensible Btu/h	Fan Max SA cfm	Clg	Htg				
Alternative 1																		
		139 - C&P STOR				Rm Peak	164	5.0	6,625	7,739	303	7.39	30	10	-8,321	273	15.0	15.0
CU-R-01						Sys Peak	164	5.0	6,625	7,739	303				-8,321	273	15.0	15.0
CU-R-01						Sys Block	164	5.0	6,625	7,739	303				-8,321	273	15.0	15.0

* This report does not display heating only systems.