



CAN YOU SEE THE AIRPLANES? THE ADJACENT SAMPLES SHOW THREE DIFFERENT LEVELS OF SHADING. SETTINGS FOR VIEWING AND PRINTING DRAWING CONTENT ARE OPTIMIZED WHEN ALL THREE PLANES ARE VISIBLE. THIS GUIDANCE IS PROVIDED FOR REFERENCE ONLY.

EXISTING AIR HANDLING UNIT SCHEDULE:						
			TAG	(E) AHU-T-407	AHU-CE-301/302	(E) AHU-D-305/306
			LOCATION	ROOF	PENTHOUSE	PENTHOUSE
			SERVICE	SE BAG CLAIM	CONCOURSE C EAST	CONCOURSE D
			TYPE	VAV	VAV	VAV
			CONSTRUCTION	EXISTING	EXISTING	EXISTING
SUPPLY FAN	FAN(S)	AIRFLOW	(CFM)	45,000	34,000	42,500
		FAN	TYPE	---	---	---
		TSP	(IN WG)	---	---	---
		ESP	(IN WG)	---	---	---
		SPEED	(RPM)	---	---	---
		FAN	QUANTITY	1	---	---
	MOTOR	TOTAL BHP		71.3	---	---
		TOTAL HP		100	---	---
		VOLT/PHASE		460/3	---	---
		VFD	(Y/N)	Y	---	---
MIXING BOX	MAX	OSA	(CFM)	45,000	11,700	---
	MIN	OSA	(CFM)	10,510	3,500	6,500
FILTERS	FILTERS	PRE	(MERV)	8	---	---
		FINAL	(MERV)	14	---	---
	(FUTURE)	CARBON	(Y/N)	---	---	---
RETURN/ EXHAUST FAN	FAN(S)	AIRFLOW	CFM	---	---	36,000
		FAN	TYPE	---	---	---
		TSP	(IN WG)	---	---	---
		ESP	(IN WG)	---	---	---
		SPEED	(RPM)	---	---	---
		FAN	QUANTITY	1	---	---
	MOTOR	TOTAL BHP		14.2	---	---
		TOTAL HP		20	---	---
		VOLT/PHASE		460/3	---	---
		VFD	(Y/N)	Y	---	---
			QTY	1	---	---
	HYDRONIC HEATING COIL	AIRFLOW	(CFM)	---	---	---
		EAT	(°F)	---	---	---
		LAT	(°F)	---	---	---
GPM		---	---	---		
HYDRONIC COOLING COIL	MBH		---	---	---	
	EWT	(°F)	140	140	140	
	LWT	(°F)	100	100	100	
	EAT	(°F DB/WB)	---	---	---	
	LAT	(°F DB/WB)	---	---	---	
	GPM		---	---	---	
	TOTAL MBH / SENSIBLE MBH		---	---	---	
	EWT	(°F)	---	42	42	
LWT	(°F)	---	60	60		
KEY NOTE(S)				---	---	---
NOTE(S):						
1. SCHEDULE INCLUDED FOR REFERENCE ONLY.						
KEY NOTE(S):						
1. UPDATE MINIMUM OUTSIDE AIR VALUES IN BMS BASED ON INSTALLED EXHAUST FANS AND INCLUDE IN BALANCING REPORT.						

EXISTING HEAT RECOVERY VENTILATORS:						
			TAG	(E) HRV-T-T4TN80-01	(E) HRV-T-T4TE80-01	
			LOCATION	PENTHOUSE - NORTH	PENTHOUSE - SOUTH	
			SERVICE	ENP RESTROOMS	ENP RESTROOMS	
			TYPE	HEAT RECOVERY VENTILATOR	HEAT RECOVERY VENTILATOR	
			CONSTRUCTION	CUSTOM	CUSTOM	
THE PORT VOLUNTARY OSHPD CERTIFICATION			YES	YES		
SUPPLY FAN	FAN(S)	AIRFLOW	(CFM)	7,600	7,600	
		FAN	TYPE	PLENUM	PLENUM	
		TSP	(IN WG)	2.9	2.9	
		ESP	(IN WG)	1.5	1.5	
		SPEED	(RPM)	1,702	1,702	
		FAN	QUANTITY	2	2	
		FAN EFF.	(FEG)	85	85	
	MOTOR	TOTAL BHP		4.92	4.92	
		TOTAL HP		6	6	
		EACH FAN BHP		2.46	2.46	
		EACH FAN HP		3.0	3.0	
		VOLT/PHASE		480/3	480/3	
		VFD	(Y/N)	YES	YES	
			QTY	1 @ 7.5 HP	1 @ 7.5 HP	
MIXING BOX	MAX	OSA	(CFM)	7,600	7,600	
	CODE MIN	OSA	(CFM)	7,600	7,600	
FILTERS	FILTERS	PRE	(MERV)	8	8	
		FINAL	(MERV)	---	---	
	(FUTURE)	CARBON	(Y/N)	N	N	
RETURN/ EXHAUST FAN	FAN(S)	AIRFLOW	CFM	7,600	7,600	
		FAN	TYPE	PLENUM	PLENUM	
		TSP	(IN WG)	2.6	2.6	
		ESP	(IN WG)	1.0	1.0	
		SPEED	(RPM)	1,646	1,646	
		FAN	QUANTITY	2	2	
		FAN EFF.	(FEG)	85	85	
	MOTOR	TOTAL BHP		4.43	4.43	
		TOTAL HP		5	5	
		EACH FAN BHP		2.2	2.2	
		EACH FAN HP		2.5	2.5	
		VOLT/PHASE		480/3	480/3	
		VFD	(Y/N)	YES	YES	
			QTY	1 @ 5 HP	1 @ 5 HP	
HEAT RECOVERY		OSA	CFM	7,600	7,600	
		EXHAUST	CFM	7,600	7,600	
		TYPE		FLAT PLATE	FLAT PLATE	
	WINTER	OSA EAT	(°F DB)	25.9	25.9	
		OSA LAT	(°F DB)	54.7	54.7	
		EXH EAT	(°F DB)	70	70	
		EFF.	(%)	66	66	
		OSA EAT	(°F DB)	91.7	91.7	
	SUMMER	OSA LAT	(°F DB)	84	84	
		EXH EAT	(°F DB)	87.8	87.8	
EFF.		(%)	65	65		
ELECTRICAL	FANS	FLA	(A)	15.5	15.5	
		MCA	(A)	16.5	16.5	
		GENERATOR POWER		(YES/NO)	NO	NO
APPROXIMATE WEIGHT				10,000	10,000	
MANUFACTURER AND MODEL				TEMTROL	TEMTROL	
KEY NOTE(S)				---	---	
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2025D031

DESIGN NUMBER

103101

PROJECT NUMBER



EXPIRES: 06/30/2027

PORTLAND INTERNATIONAL AIRPORT TERMINAL RESTROOM REHABILITATION 2026 EQUIPMENT SCHEDULE 2 - MECHANICAL	SUBMITTED BY		BRIAN FRANCIS		
	DESIGNED BY		M. GIOVAGNOLI		
	DRAWN BY		S. CARTER		
	CHECKED BY		M. BRUNE		
		DATE		JULY 2026	
SHEET NO.		62		TYPE CD	
DRAWING NO.		PDX 2026-510		DISC. SHT. NO. M0.03	