

AIR BALANCING SPECIALTY INC.

**MECP
PORTLAND, OREGON**

PROJECT NO: 21-4253-DW

AIR BALANCING SPECIALTY INC. 3532 S.E. MILWAUKIE AVENUE PORTLAND, OREGON 97202-2751
IN BUSINESS SINCE 1964 CERTIFIED NEBB FIRM - CERTIFICATION NO. 2984
PHONE (503) 230-2332 FAX (503) 230-2820

PROJECT NAME: **MECP - PORTLAND, OREGON**

OWNER: DAVID DOUGLAS SCHOOL DISTRICT

DATE STARTED: 04/23/21

DATE FINISHED: 04/23/21

MECHANICAL ENGINEER:

WORK PERFORMED BY: DALE NEFFENDORF
WILLIAM NEFFENDORF

GENERAL CONTRACTOR:

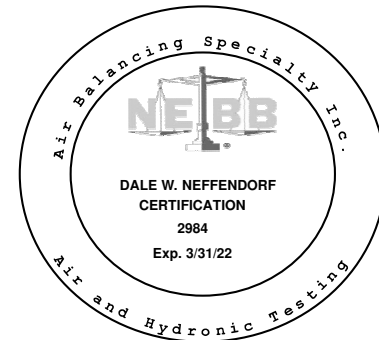
CERTIFIED BY: _____

MECHANICAL CONTRACTOR:

DATE: _____

SHEET METAL CONTRACTOR:

CONTROL CONTRACTOR:



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CERTIFIED TEST AND BALANCE REPORT

PROJECT NO.: 21-42253-DW

INSTRUMENT AIR	MODEL NO.	SERIAL NO.	RANGE	CALIBRATION DATE
(D) Shortridge Airdata Multimeter ADM Accessories	ADM860	M98375	0.0001 to 60.00" WC.	1/12/2021
(DH) Datameter Flow Hood	8400		25 - 2500 CFM	
(DP) Datameter Pitot Tube	12", 18", 24", 36", 48" & 60"		50 - 30000 FPM	
(DA) Datameter Airfoil	AFP18		50 - 5000 FPM	
(DG) Datameter Velgrid	VLG84		50 - 2500 FPM	
(R) Rotating Vane Anemometer	A4/-4"	83072B	200 - 10000 FPM	1/14/2021
Amprobe Ammeter	Fluke 335	99330394	0 - 750 Volts / 0 - 300 Amps	1/8/2021
Shimpo Tachometer	DT-207L	D26B0033	6 - 30,000 RPM	1/12/2021
WATER				
Hydrodata Meter	HDM-250	W01025	DP -10 to +300 PSI	1/12/2021

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EQUIPMENT USED IN BALANCING

PROJECT: MECP - PORTLAND, OREGON

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PAGE ABBREVIATION KEY

AK - GRILLE AREA OR RESTRICTION VALUE

VEL - VELOCITY

CFM - CUBIC FEET PER MINUTE

FPM - FEET PER MINUTE

ACH - AIR CHANGES PER HOUR

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Ref	Ins	AREA SERVED			OUTLET			DESIGN Vel	CFM	CUBIC FEET	TEST #1				TEST #2			
		Rm.#	No.	Size	Blow	AK	FPM				CFM	ACH	PRESSURE	FPM	CFM	ACH	PRESSURE	
	DH	Reception	102				1.00		2442		80	1.97						
	DH	Office	103				1.00		1178		110	5.60						
	DH	Office	104				1.00		1116		-40	-2.15						
	DH	Office	105				1.00		1071		0	0.00						
	DH	Open Office	107				1.00		5090		180	2.12						
	DH	Office	108				1.00		1160		315	16.29						
	DH	Office	109				1.00		1066		150	8.44						
	DH	Break	110				1.00		4033		215	3.20						
1	DH	Open Office	(*)				1.00		108442		3575	1.98						
	DH	Conference	116				1.00		2737		0	0.00						
	DH	Office	118				1.00		1191		220	11.08						
	DH	Office	119				1.00		2798		460	9.86						
	DH/R	Mens RR Supply	113				1.00		1538		0	0.00						
	DH/R	Mens RR Exhaust	113				0.50		1538	900	450	17.56						
	DH/R	Womens RR Supply	114				1.00		1553		0	0.00						
	DH/R	Womens RR Exhaust	114				0.50		1553	700	350	13.52						

Ref. Note: (*) Rooms 111, 115, 120. (1) Two in open office, located on the back wall of the conference room had no power.

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CONSTANT VOLUME - FPM

AIR BALANCE DATA SHEET

PROJECT NO.: 21-4253-DW

PROJECT: MECP - PORTLAND, OREGON

DATE START: 04/23/21

FINISH: 04/23/21

SYSTEM: Reception, Offices, Conference, Restrooms

SECTION:

BY: DN / WN

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