

AIR BALANCING SPECIALTY INC.

**GLENN WIDING
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: **GLENN WIDING - 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:

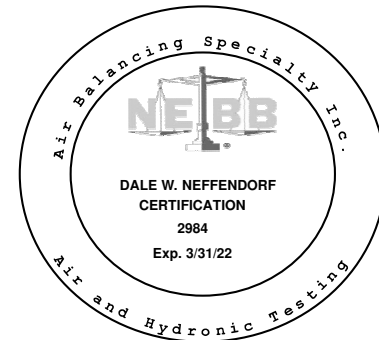
CERTIFIED BY: _____

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: GLENN WIDING - 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	Rm.#	No.	OUTLET			DESIGN	CUBIC	TEST #1				TEST #2				
					Size	Blow	AK			Vel	CFM	FEET	FPM	CFM	ACH	PRESSURE	FPM	CFM
1	DH	Lobby / Open Offices	101 / 113				1.00		12443			305	1.47					
	DH	Office (Jeanett)	102				1.00		2264			310	8.22					
	DH	Break	103				1.00		57240			750	0.79					
	DH	Conference	104				1.00		3710			830	13.42					
	DH	Mens RR Supply	109				1.00		1651			135	4.91					
	DH	Mens RR Exhaust	109				1.00		1651			260	9.45					
	DH	Womens RR Supply	110				1.00		1867			170	5.46					
	DH	Womens RR Exhaust	110				1.00		1867			240	7.71					
	DH	Supplies	108				1.00		1078			100	5.57					
2	DH	Olden Office					1.00		21832			250	0.69					
	DH	Team Room #2					1.00		7600			295	2.33					
	DH	Team Room #1					1.00		7645			605	4.75					
	DH	Quiet	118				1.00		875			155	10.63					
	DH	Office (Cami)	114				1.00		1214			365	18.04					
	DH	Office (Julie)	123				1.00		1208			345	17.14					

Ref. Note: (*) All stats were turned to "fan on" prior to test. (1) Only one of five outlets had airflow in this area. (2) Only one of six outlets had airflow in this area. Unit 6 power was off.

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CONSTANT VOLUME - FPM

AIR BALANCE DATA SHEET

PROJECT NO.: 21-4253-DW

PROJECT: GLENN WIDING - PORTLAND, OREGON

DATE START: 04/23/21

FINISH: 04/23/21

SYSTEM: Various offices, break, Conf., restrooms, team rooms

SECTION:

BY: DN / WN

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