



Duct Traverse Report

PROJECT: Broadview Sample Duct Traverse Project
LOCATION: Minneapolis, MN
PROJECT #: 06-70528

DATE: December 08, 2006
TECHNICIAN: Scott Stadheim
AUTHOR: Scott Stadheim

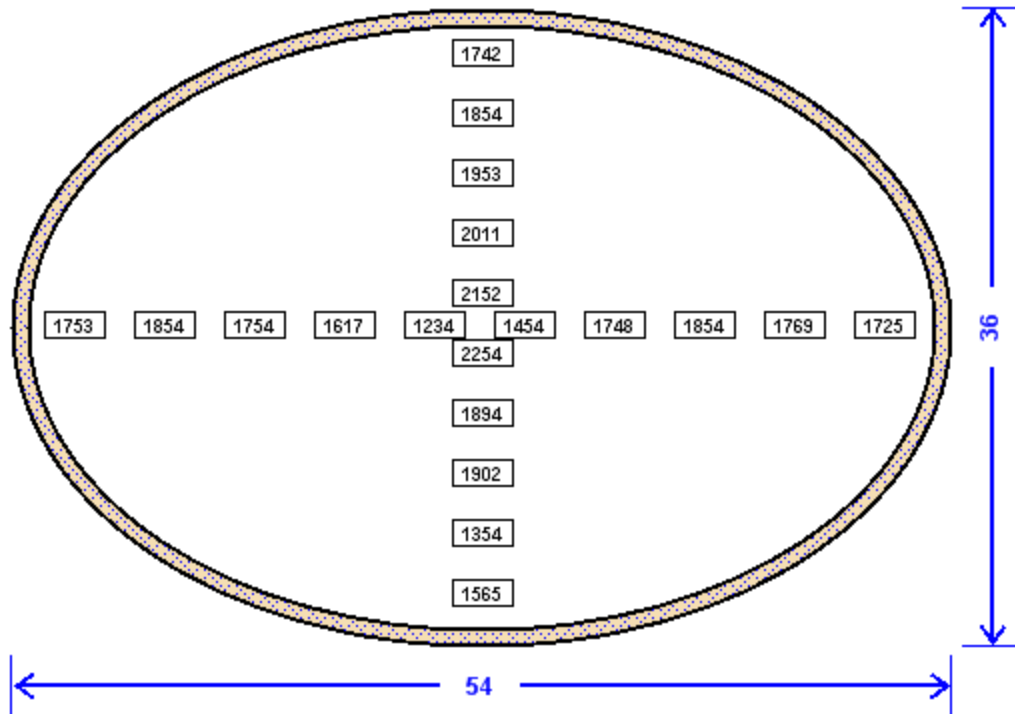
SYSTEM/UNIT: Duct Traverse - AHU-01

Unit Data	
Type of Traverse	Oval
Duct Height	36 in.
Duct Width	54 in.
Width of Insulation	1 in.
Air Flow Area	9.65 sq. ft.
Total Readings	20

Final Data	
Number Of Rows	2
Readings Per Row	10
Average Reading	1772.15 FPM
Reading Std. Dev.	247 FPM
Design Total Flow	15000 CFM
Actual Total Flow	17088 CFM

NOTES:

Duct Traverse Data Points





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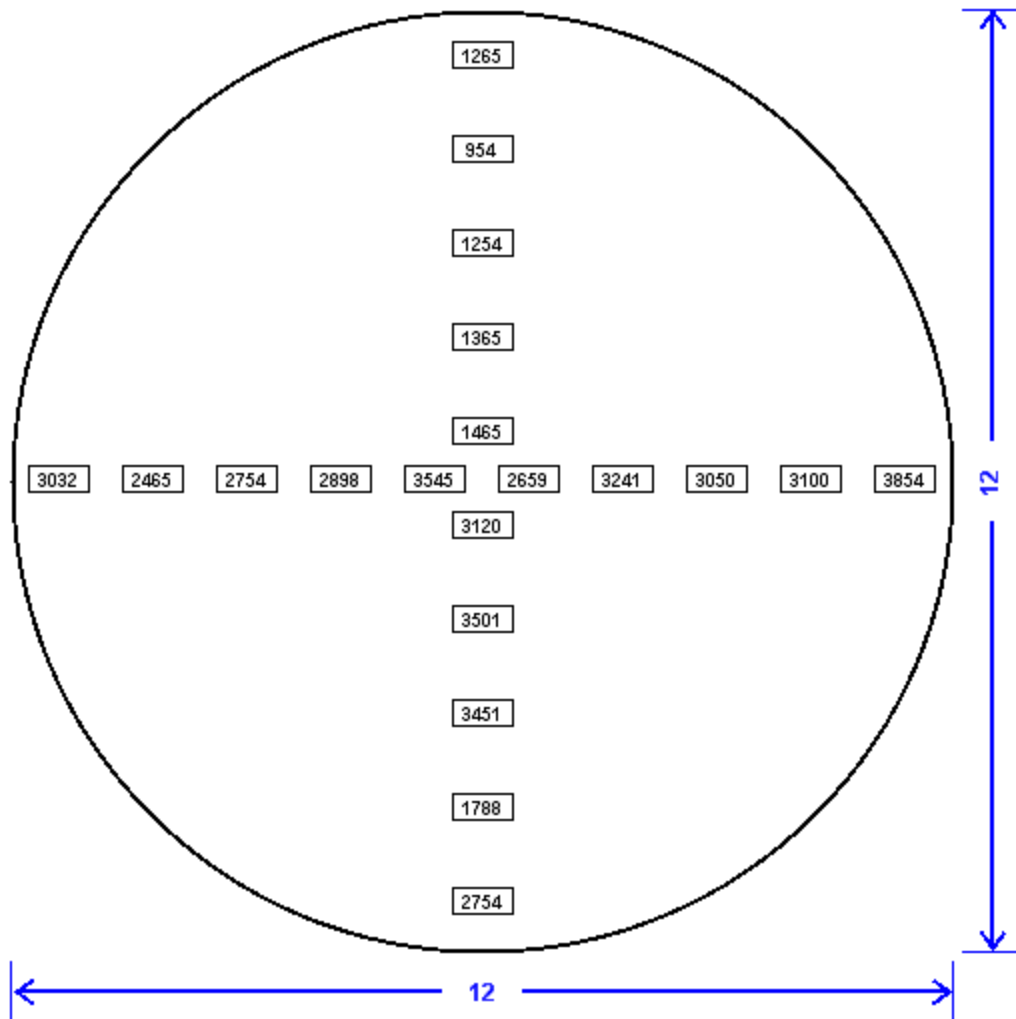
SYSTEM/UNIT: Duct Traverse - AHU-02

Unit Data	
Type of Traverse	Round
Duct Diameter	12 in.
Air Flow Area	0.79 sq. ft.
Total Readings	20

Final Data	
Number Of Rows	2
Readings Per Row	10
Average Reading	2086 FPM
Reading Std. Dev.	895.73 FPM
Design Total Flow	703.54 CFM
Actual Total Flow	9429 CFM

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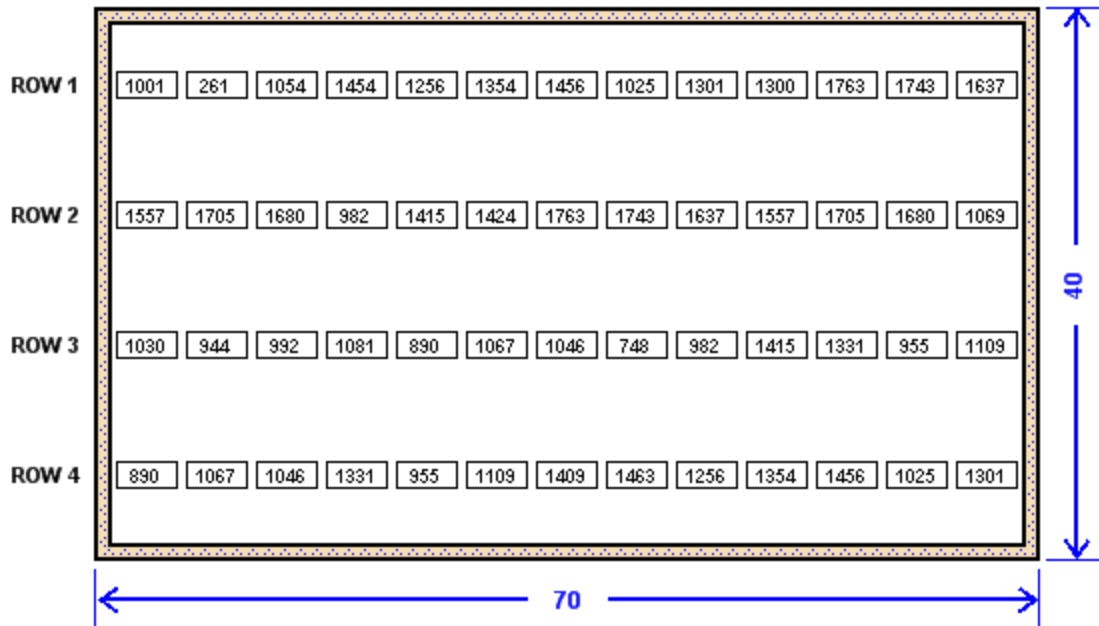
SYSTEM/UNIT: Duct Traverse - AHU-03

Unit Data	
Type of Traverse	Rectangular
Duct Height	40 in.
Duct Width	70 in.
Width of Insulation	1 in.
Air Flow Area	17.94 sq. ft.
Total Readings	54

Final Data	
Number Of Rows	4
Readings Per Row	13
Average Reading	1255.11 FPM
Reading Std. Dev.	313 FPM
Design Total Flow	22531 CFM
Actual Total Flow	20000 CFM

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SYSTEM/UNIT: Duct Traverse - AHU-04

Unit Data	
Type of Traverse	Rectangular
Duct Height	12 in.
Duct Width	20 in.
Width of Insulation	1 in.
Air Flow Area	1.25 sq. ft.
Total Readings	6

Final Data	
Number Of Rows	2
Readings Per Row	3
Average Reading	554.50 FPM
Reading Std. Dev.	52.68 FPM
Design Total Flow	693 CFM
Actual Total Flow	650 CFM

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