

SQUARE DUCT TRAVERSE FORM

PROJECT	Fieldstone ALF	SYSTEM	ERU-1
LOCATION	3rd floor mech	SERVICE	3RD Floor fresh air
ALTITUDE	-	DENSITY	-
		FACTOR	-

DUCT	REQUIRED	ACTUAL
S.P. 0.26	TEMP -	SCFM -
SIZE 10x12	FPM	FPM 974
AREA 0.83SQFT	CFM	CFM 811

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
2	1	1587	1353	1280									
6	2	1159	989	809									
10	3	715	380	497									
DISTANCE FROM DUCT EDGE		1.67	5	8.33									
VELOCITY SUB - TOTALS													

REMARKS:

Traverse is right after the damper and readings are turbulent

SQUARE DUCT TRAVERSE FORM

PROJECT	Fieldstone ALF	SYSTEM	ERU-1
LOCATION	3rd floor mech	SERVICE	basement-2nd floor oa
ALTITUDE	-	DENSITY	-
		FACTOR	-

DUCT	REQUIRED	ACTUAL
S.P.	1.32" TEMP -	SCFM -
SIZE	30x22	FPM 1228
AREA	4.58	CFM 5630

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
3	1	1279	1279	1236	1208								
9	2	1079	1304	1200	1179								
15	3	1187	1205	1238	1303								
21	4	1191	1249	1345	1331								
27	5	1213	1094	1170	1280								
DISTANCE FROM DUCT EDGE		2.75	8.25	13.5	18.75								
VELOCITY SUB - TOTALS													

REMARKS:

SQUARE DUCT TRAVERSE FORM

PROJECT Fieldstone ALF	SYSTEM ERU-1
LOCATION Chester PA	SERVICE Floors basement-2nd
ALTITUDE -	DENSITY -
	FACTOR -

DUCT	REQUIRED	ACTUAL
S.P. -0.92	TEMP -	SCFM -
SIZE 32"X22"	FPM -	FPM 894
AREA 4.89SQFT	CFM -	CFM 4368

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
2.67"	1	832	680	790	1203								
5.33"	2	689	610	1018	1273								
10.6"	3	663	552	988	1113								
16"	4	524	1052	867	1098								
21.3"	5	717	877	852	1062								
26.6"	6	843	856	1216	1104								
DISTANCE FROM DUCT EDGE		2.25"	5.5"	11"	16.5"								
VELOCITY SUB - TOTALS													

REMARKS:

SQUARE DUCT TRAVERSE FORM

PROJECT	Fieldstone ALF	SYSTEM	ERU-1
LOCATION	3rd floor mech	SERVICE	3rd floor exhaust
ALTITUDE	-	DENSITY	-
		FACTOR	-

DUCT			REQUIRED			ACTUAL
S.P.	-0.36	TEMP	-	SCFM	-	SCFM
SIZE	16x10			FPM		772
AREA	1.11SQFT			SCFM		858

DISTANCE FROM BOTTOM	POSITION	1	2	3	4	5	6	7	8	9	10	11	12
1.6	1	669	737	717									
4.8	2	704	654	728									
8	3	732	561	596									
11.2	4	923	800	726									
14.4	5	998	1058	986									
	6												
	13												
DISTANCE FROM DUCT EDGE		1.67	5	8.33									
VELOCITY SUB - TOTALS													

REMARKS: