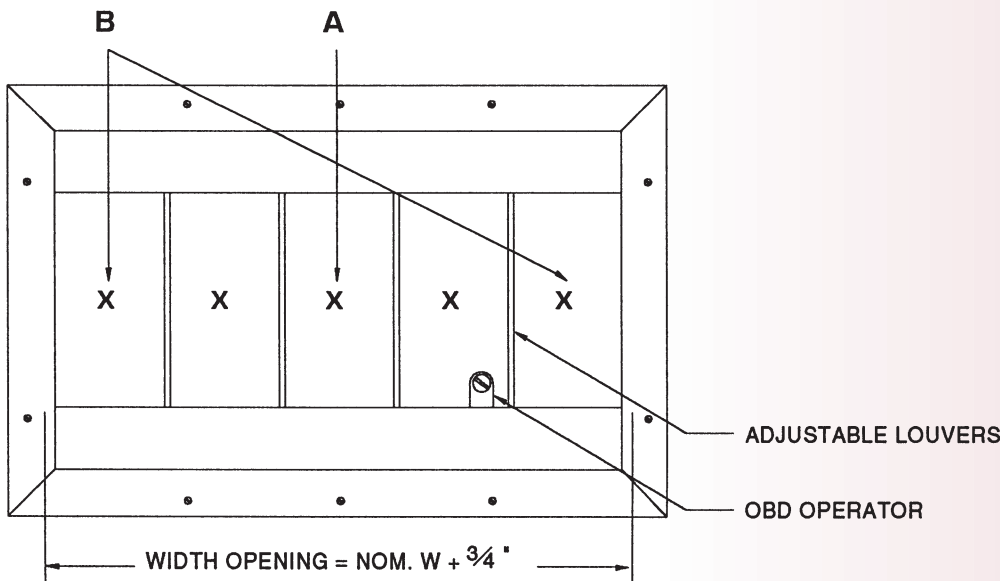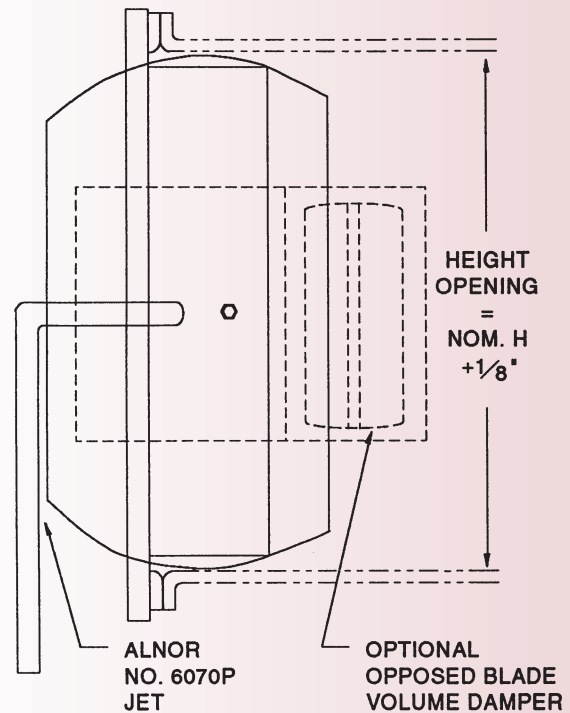- An Alnor Velometer with No. 6070P jet is required for balancing the Infinijet Drum Louver.

- Measure velocity at the center louver opening (A) and at the two end louver openings (B). Hold probe perpendicular and centered on the louver opening.

- Use the maximum velocity measured at each probe location. If velocity measurements are within 5%, calculate the average face velocity using the three measurements. If velocity measurements are not within 5%, take additional measurements at each louver opening and calculate the average face velocity using all measurements.

- From the table for the spread angle used, determined the balancing factor (Ak) using the width and height of the grille.

- Calculate the air volume (CFM) by multiplying the average face velocity (Vk, ft/min) and the balancing factor (Ak, sq. ft.).

$$CFM = Vk \times Ak$$

HEIGHT OPENING = NOM. H +1/8"

ALNOR NO. 6070P JET

OPTIONAL OPPOSED BLADE VOLUME DAMPER

B   A

X   X   X   X   X

ADJUSTABLE LOUVERS

OBD OPERATOR

WIDTH OPENING = NOM. W + 3/4"

6" DRUM DIAMETER

WIDTH	SPREAD		
	0°	15°	30°
9	0.152	0.145	0.125
12	0.203	0.193	0.166
18	0.305	0.289	0.250
24	0.406	0.386	0.333
30	0.508	0.482	0.416
36	0.609	0.579	0.499
48	0.812	0.771	0.666
60	1.015	0.964	0.832

10" DRUM DIAMETER

WIDTH	SPREAD		
	0°	15°	30°
20	0.579	0.550	0.475
25	0.724	0.687	0.593
30	0.868	0.825	0.712
35	1.013	0.962	0.831
40	1.158	1.100	0.949
50	1.447	1.375	1.187
60	1.737	1.650	1.424
70	2.026	1.925	1.661

12" DRUM DIAMETER

WIDTH	SPREAD		
	0°	15°	30°
20	0.641	0.609	0.525
25	0.801	0.761	0.657
30	0.961	0.913	0.788
35	1.121	1.065	0.920
40	1.282	1.218	1.051
50	1.602	1.522	1.314
60	1.922	1.826	1.576
70	2.243	2.131	1.839

15" DRUM DIAMETER

WIDTH	SPREAD		
	0°	15°	30°
15	0.677	0.643	0.555
20	0.902	0.857	0.740
25	1.128	1.071	0.925
30	1.353	1.286	1.110
40	1.805	1.714	1.480
50	2.256	2.143	1.850
60	2.707	2.571	2.220
70	3.158	3.000	2.590