LOUVERS
MODEL STL
GALVANIZED STEEL SAND TRAP LOUVER

STANDARD CONSTRUCTION

FRAME
16 Ga GALVANIZED THICK FORMED FRAME WITH 75mm (3”) DEPTH.

BLADES
20 Ga GALVANIZED THICK FORMED BLADES

BLADE CENTERS:
75mm (3") MAXIMUM CENTERS TO CENTER CORROSION RESISTANT STEEL FASTNERS USED AT ASSEMBLY

SAND DRIP :
1mm (20Ga) GALVANIZED THICK FORMED BLADES

SCREEN:
BIRD SCREEN 10x10mm MADE OF 1mm WIRE AS STANDARD (OPTIONAL)

INSECT SCREEN:
ALUMINUM 18 x 16 MESH CORROSION RESISTANT (OPTIONAL)

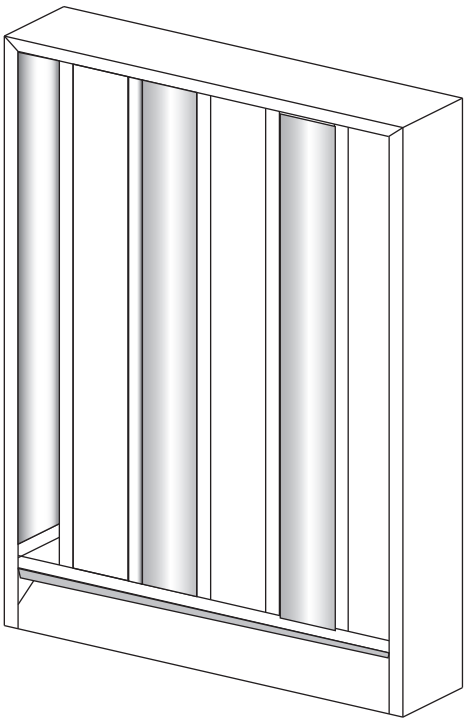
FILTER:
ALUMINUM WASHABLE FILTER 25mm (1”) OR 50mm (2”) THICK (OPTIONAL)

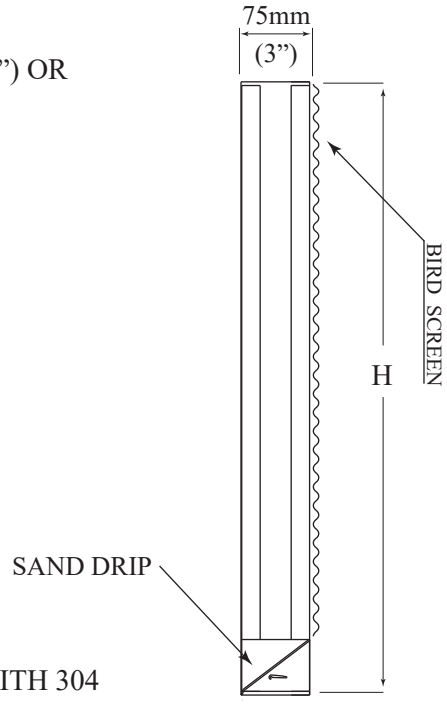
FINISH:
MILL FINISH (STANDARD)

SIZES:
MINIMUM WIDTH: 12"
MINIMUM HEIGHT: 12"
MAXIMUM SINGLE SECTION:
WIDTH 70" X HEIGHT 90"
WIDTH 90" X HEIGHT 70"
MULTIPLE SECTION:UNLIMITED

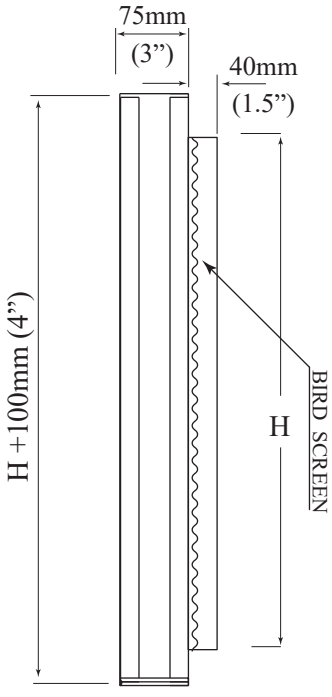
OPTIONAL CONSTRUCTION

1 -STAINLESS STEEL CONSTRUCTION WITH 304 OR 316 GRADE , (1.5mm FRAME THICKNESS AND 1mm BLADES THICKNESS)
2 - STAINLESS STEEL BIRD SCREEN





RECESSED MOUNTING (STANDARD)

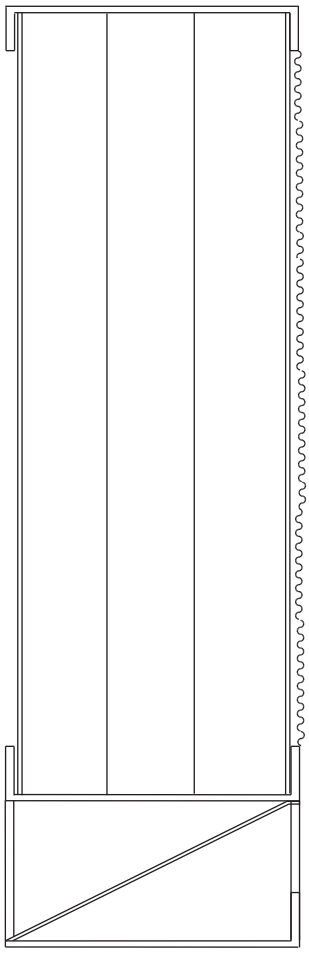


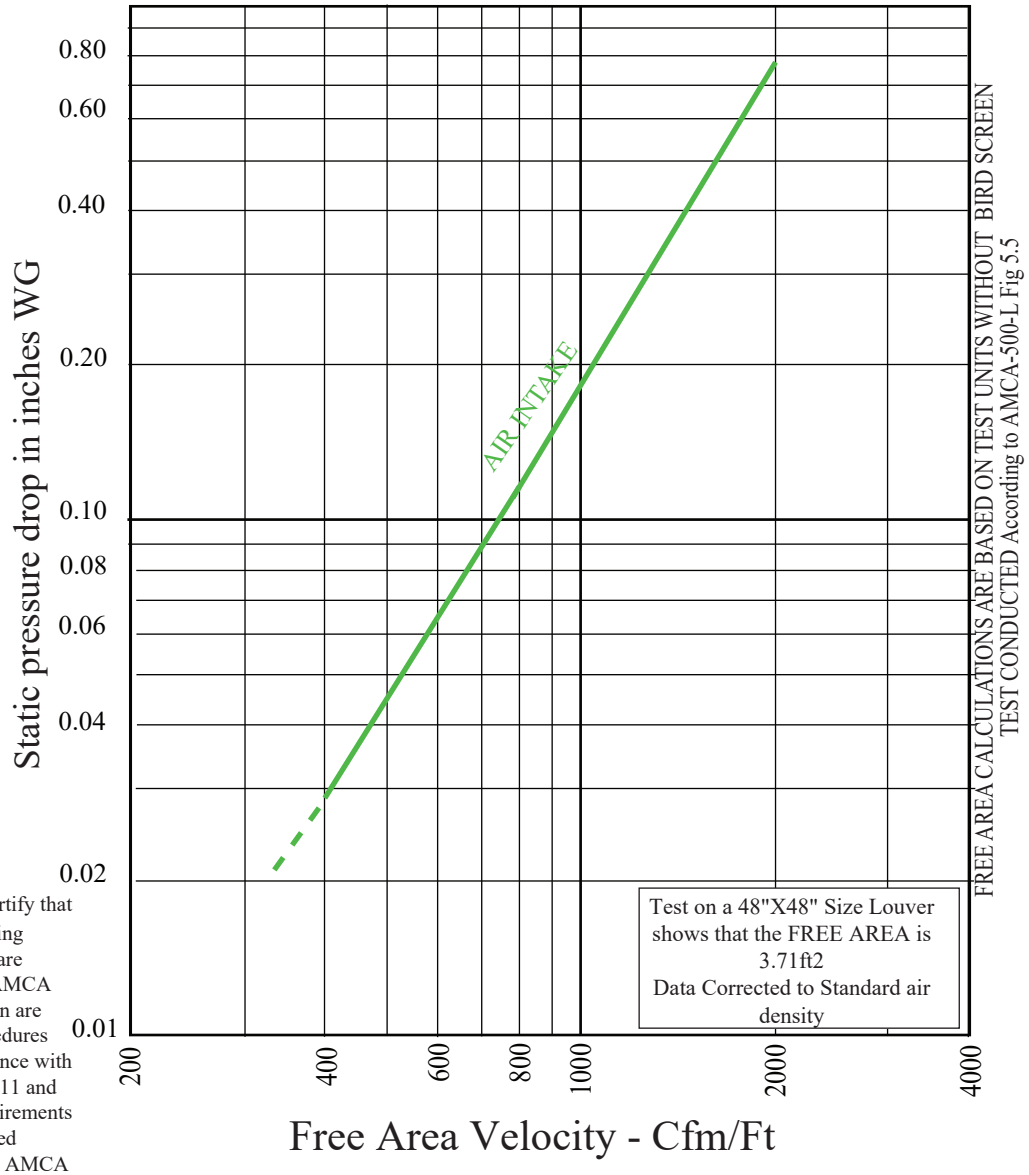
EXPOSED MOUNTING (OPTIONAL)

AIR MOVEMENT PRODUCTS

LOUVERS
MODEL STL

AIR PERFORMANCE





KBE International certify that **STL** Recessed mouting louver shown herein are licensed to bear the AMCA seal. The rating shown are based on test & procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program The AMCA Certified Rating Seal applies to Air Performance rating Only.

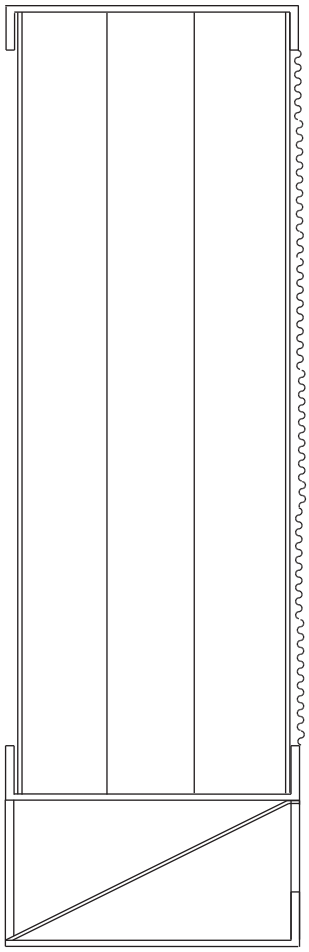
WIDTH

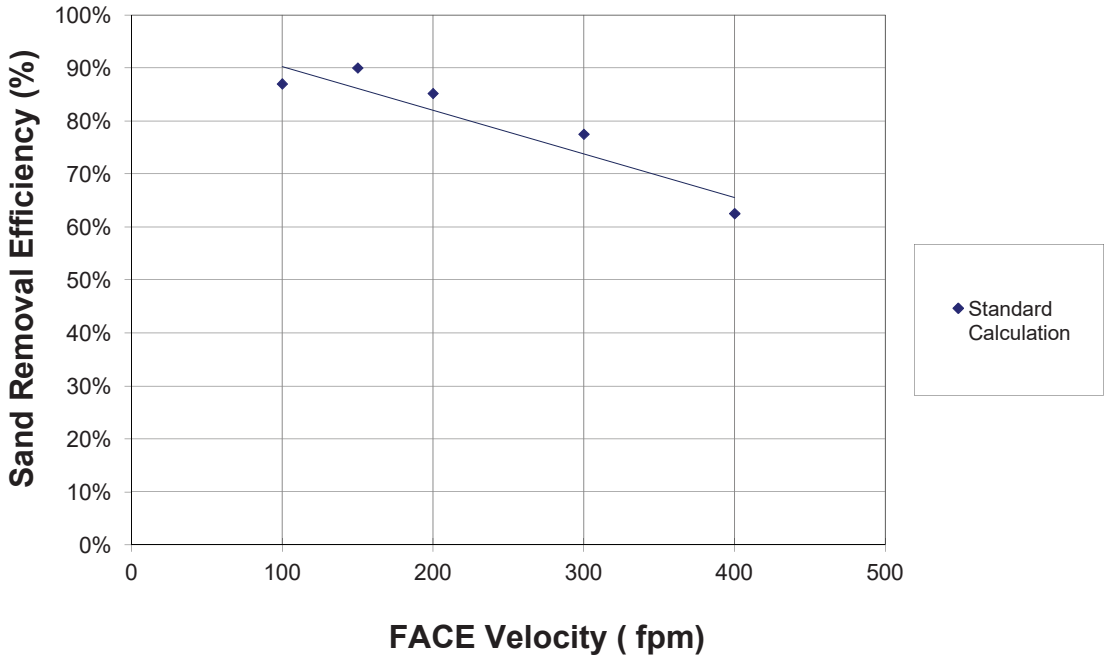
HEIGHT *Inch*	12	18	24	30	36	42	48	54	60	66	72	78	84	90
12	0.23	0.41	0.60	0.78	0.96	1.15	1.33	1.51	1.70	1.88	2.07	2.25	2.43	2.62
18	0.29	0.52	0.75	0.98	1.21	1.44	1.67	1.90	2.13	2.36	2.59	2.82	3.05	3.28
24	0.41	0.73	1.05	1.38	1.70	2.03	2.35	2.67	3.00	3.32	3.65	3.97	4.30	4.62
30	0.46	0.83	1.21	1.58	1.95	2.32	2.69	3.06	3.43	3.80	4.17	4.55	4.92	5.29
36	0.52	0.94	1.36	1.78	2.19	2.61	3.03	3.45	3.87	4.28	4.70	5.12	5.54	5.96
42	0.58	1.05	1.51	1.98	2.44	2.91	3.37	3.83	4.30	4.76	5.23	5.69	6.16	6.62
48	0.64	1.15	1.66	2.17	2.69	3.20	3.71	4.22	4.73	5.25	5.76	6.27	6.78	7.29
54	0.76	1.36	1.97	2.57	3.18	3.78	4.39	5.00	5.60	6.21	6.81	7.42	8.02	8.63
60	0.87	1.57	2.27	2.97	3.67	4.37	5.07	5.77	6.47	7.17	7.87	8.57	9.26	9.96
66	0.99	1.78	2.58	3.37	4.16	4.96	5.75	6.54	7.33	8.13	8.92	9.71	10.51	11.30
72	1.05	1.89	2.73	3.57	4.41	5.25	6.09	6.93	7.77	8.61	9.45	10.29	11.13	11.97
78	1.11	2.00	2.88	3.77	4.66	5.54	6.43	7.32	8.20	9.09	9.98	10.86	11.75	12.64
84	1.23	2.21	3.19	4.17	5.15	6.13	7.11	8.09	9.07	10.05	11.03	12.01	12.99	13.97
90	1.34	2.42	3.49	4.57	5.64	6.71	7.79	8.86	9.94	11.01	12.08	13.16	14.23	15.31

FREE AREA IN SQ. FT (RECESSED MOUNTING)

AIR MOVEMENT PRODUCTS

LOUVERS
MODEL STL & ASTL
DUST ARRESTANCE TEST REPORT





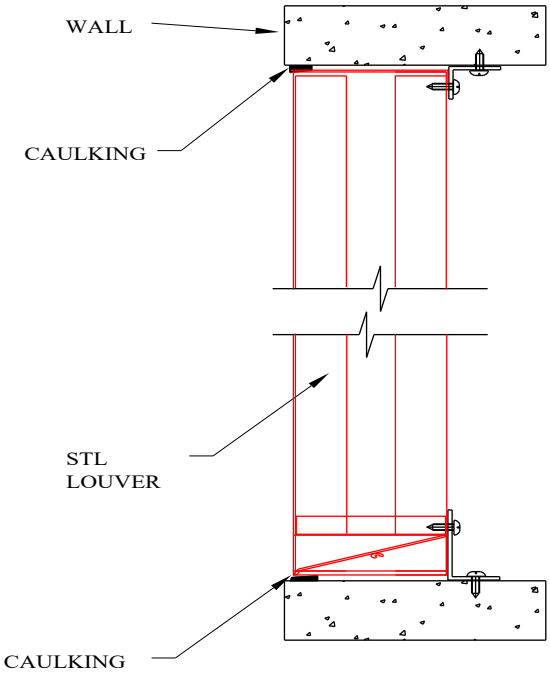
RTI LAB Report No. B01141401

Test Description A non-standard dust (150-300 µm Graded Crushed Quartz) was fed to the sand louver using standard ASHRAE 52.2 test methodology. One dust load was performed at each of the air velocities shown. The weight of dust fed, the amount of dust swept up in the duct upstream of the filter after the dust load and blow-off, the weight of dust downstream of the filter, the weight of the final filter before and after the dust load, and the pressure drop across the louver were recorded. The dust, being very large, did not all reach the filter. However, the standard arrestance calculation does not include subtracting this dust from the dust fed because it is assumed that all of the dust will reach the filter. Since it seemed needed to do this for this dust, the results are reported showing the standard calculation.

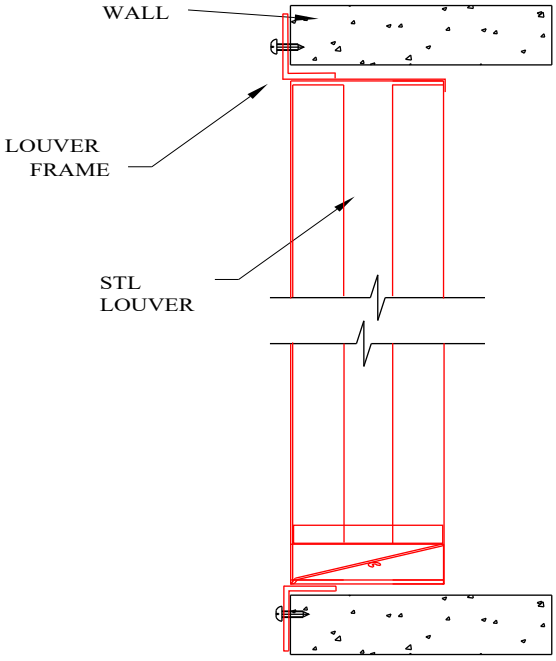
AMCA certified Rating seal does not apply to Dust Arrestance Test Report.

LOUVERS
MODEL STL & ASTL
TYPICAL INSTALLATION DETAILS

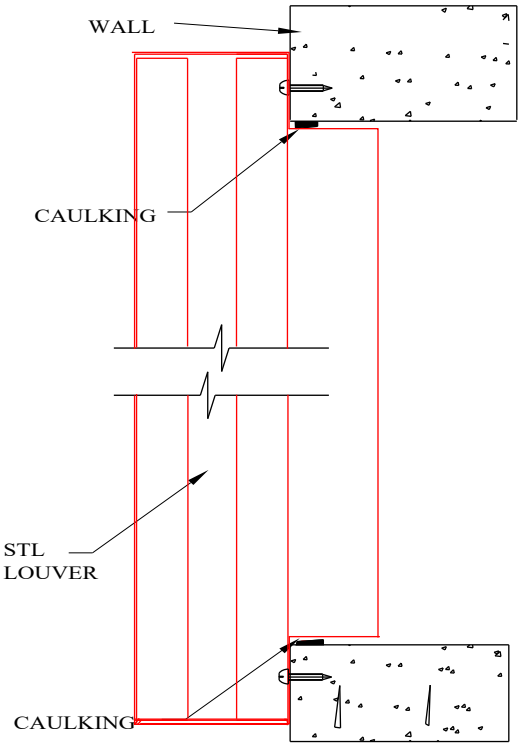
MASONRY WALL INSTALLATION



FLANGE MOUNT



MASONRY WALL INSTALLATION (EXPOSED)



METAL PANEL INSTALLATION