

Storm Resistant Louver in 8" thick design Model DEM-08

Design Features – High performance patented horizontal dual blade design with multiple functions such as: weather protection, sight-proof and wind-driven rain resistant design . Test modeled after HEVAC and BSRIA.

STANDARD CONSTRUCTION

ALL MATERIAL – EXTRUDED ALUMINUM 6063-T5 (KB-45)

FRAME

DEM-08 – 8" deep, .081" wall thickness extruded aluminum in style #3.

BLADES

DEM-08 – 8" deep, .081" wall thickness extruded aluminum, spaced approx. 2-3/4" on centers

FASTENERS

Stainless steel screws

MAXIMUM SIZE

Unlimited, with mullions, structural bracing supplied by others

MAXIMUM FACTORY ASSEMBLY SIZE

120" w x 84 h" or 84" w x 120" h
(Type of finish may limit maximum single section)

MULLION

Visible

MINIMUM SIZE

12" x 12"

UNDERSIZED

1/4" under ordered size unless specified Exact or Actual

SCREEN

3/4" x .051" flattened expanded aluminum bird screen in extruded aluminum frame.

FINISH

Mill

OPTIONAL CONSTRUCTION

SCREEN - Many styles available please consult screen listing

FINISH – Air-dry primer, polyurethane, epoxy, or enamel, baked epoxy or enamel, Kynar, or Powder coat.

MULLION – Invisible for architectural preference

SPECIAL PURPOSE CONSTRUCTION

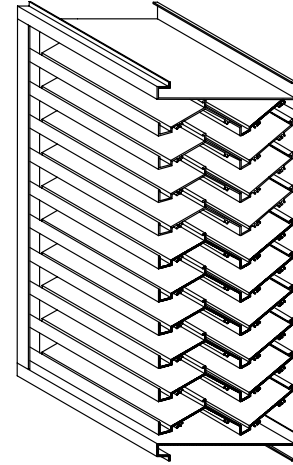
Special shapes: Triangle, Round, Trapezoid, etc.

Fully welded construction

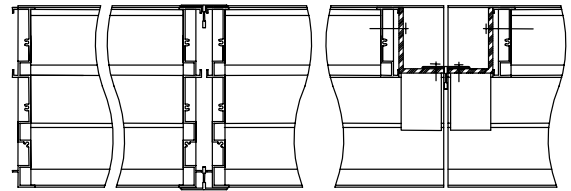
Security bars

Filter racks

** Consult SAFE-AIR/DOWCO for additional technical information.



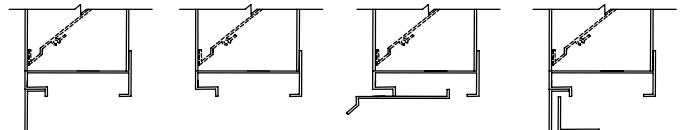
ISOMETRIC VIEW



Visible Mullion

Invisible Mullion

**HORIZONTAL SECTION
FRAME STYLES**



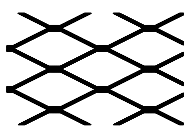
1- Flange (1.5")

3 – Box

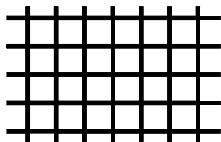
8- Box with Sill Extension

9 - Flange with Sub Frame

TYPICAL SCREEN STYLES



Expanded Aluminum Standard



Wire Mesh

AIR PERFORMANCE	
Free Area: 48% - 48 x 48 unit (1219 x 1219)	
Pressure Drop: 0.28" w.g. @ 1000 fpm (7.11mm wg. @ 5.08 mps)	

WIND DRIVEN RAIN TEST (AMCA 500 L-99)	
Rainfall inch/hour:	3" (76 mm)
Wind Velocity:	30 mph (48.27 kph)
Core Velocity:	690 fpm (210.3 m/min)
Water Flow:	112 gph (424 lph)
Water Penetration:	.56 gph (.212 lph)
Efficiency:	99%

DATE		ARCHITECT		CUSTOMER	
PROJECT					
ITEM	QTY	W	H	DESCRIPTION	



DEPENDABLE PRODUCTS SINCE 1955

SAFE-AIR OF ILLINOIS INC.

Engineering and General Offices

1855 South 54th Avenue, Cicero, Illinois 60804

Phone 708-652-9100 FAX 708-652-9158