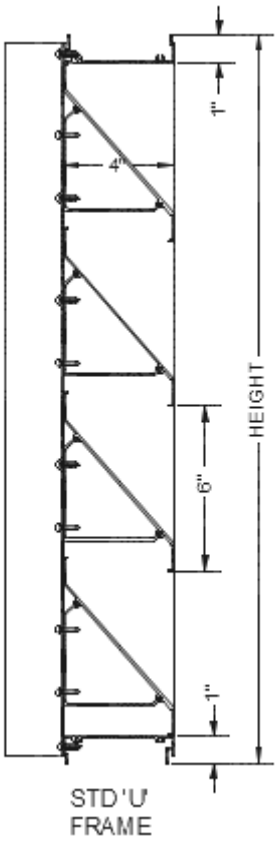
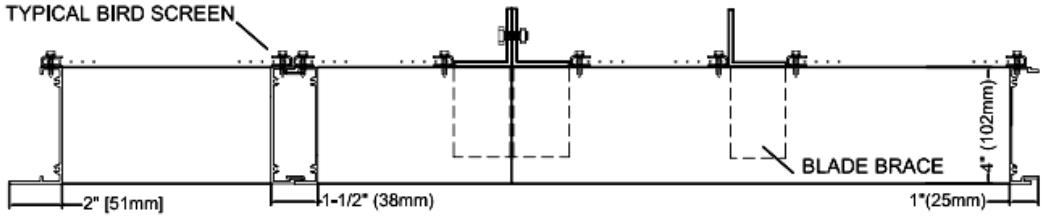
# Model—S-450

102 mm DEEP HORIZONTAL FIXED BLADE LOUVER

**AIRFLOW PERFORMANCE**

* Free Area is: 48% based on a test sample of 48in (1220mm) x 48in (1220mm)
* Discharge loss coefficient Classification—Class 3




**System Description:**

OSA Rain high performance series; extruded aluminum construction; frame with channel profile; corner joints mitered and mechanically fastened, with continuous recessed caulking channel each side; intermediate mullions matching frame; gutters; rated for an air performance and water penetration maintained effectiveness rate tested in accordance with AMCA 500-L.

**Material & Finishes:**

1. S-450 comprises
   a. Blades: 4" deep Horizontal Fixed Blade
   b. Frame depth: 4" inches (102 mm)
2. Metal Thickness: Frame 0.081 inch (2 mm); blades 0.081 inch (2 mm).
3. Finish: PE-SDF / PVDF / Anodize after fabrication
4. Color: As scheduled.
5. Mullions: Concealed or Exposed.
6. Screens: Bird mesh / Insect mesh
7. Screen location: Interior
8. Screening Material: Aluminium / Stainless Steel

**Louver Construction:**

1. Wind Load Resistance: Design to resist +ve and –ve wind load of ___ psf (___kPa) without damage or permanent deformation.
2. Blades: One piece extrusions with reinforcing bosses, supported and lined up with heavy-gage extruded aluminum blade braces, positively interlocked to each blade and mechanically secured to structure by aluminum and stainless steel fastenings.
3. Exposed edges and ends of metal dressed smooth, free from sharp edges.
4. Exposed connections and joints constructed to exclude water.

**Warranty:**

OSA-McGill louvers warranted for 2 years against defective material and workmanship, and 20 Years for Finishes.



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