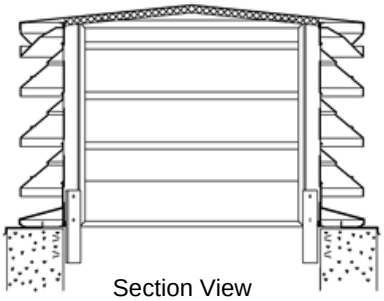
MODEL 480XP

STANDARD CONSTRUCTION

- Material: Extruded Aluminum 6063-T6
- Frame: 4” (102mm)deep, .081” (2.1mm) nominal wall thickness
- Blades: 4” (102mm)deep, .081” (2.1mm) nominal wall thickness
- Blade Spacing: 5” (127mm) on center
- Screen: 1/2” x .063” flattened expanded bird screen and/or 18 x 14 mesh charcoal insect screen.
- Finish: Mill

OPTIONAL ACCESSORIES

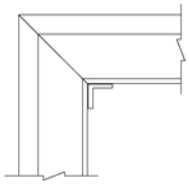
- Extended Sill Flashing
- Insulated and Non-insulated Blank-off Panels
- Flanged & Glazing Frames of various sizes
- Hinged Access Panels
- Sub-frames
- Visible Mullions
- Invisible Mullions for continuous blade appearance



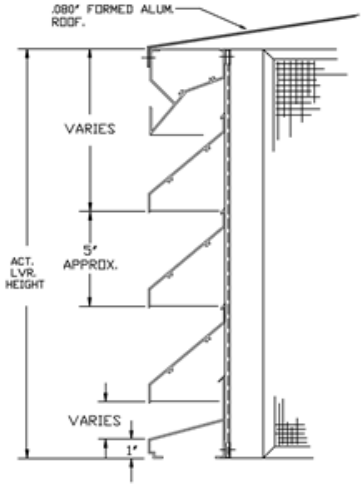
Section View

FINISHES

- 2 coat Fluropolymer: Kynar® 500 / custom colors available in 70% PVDF (AAMA 2605) or 50% PVDF (AAMA 2604). Living Building Challenge (LBC) Red List Free.
- 3 coat Fluropolymer: Kynar 500 / Hylar 5000 custom colors available in 70% PVDF (AAMA 2605). LBC Red List Free.
- Anodic finishes: Class I and Class II in Clear, Light/Medium/Dark Bronze, Champagne, and Black.
- Prime coat
- Mill



Corner View



Vertical Section

Qty.	Size: Actual ☐ M.O. ☐ Width	Height	Mullion Type	No. of Sections	Notes
☐	Sill flashing:		Project:		
☐	Screen:		Location:		
☐	Finish:		Architect:		
	Color:		Representative:		
☐	Other:		Date:	Job #:	

www.industriallouvers.com
ilinfo@industriallouvers.com
511 South 7th Street, Delano MN 55328
Tel: +1.763.972.2981 • Fax: +1.763.972.2911

MODEL 480XP w/455XP BLADES

SUGGESTED SPECIFICATIONS

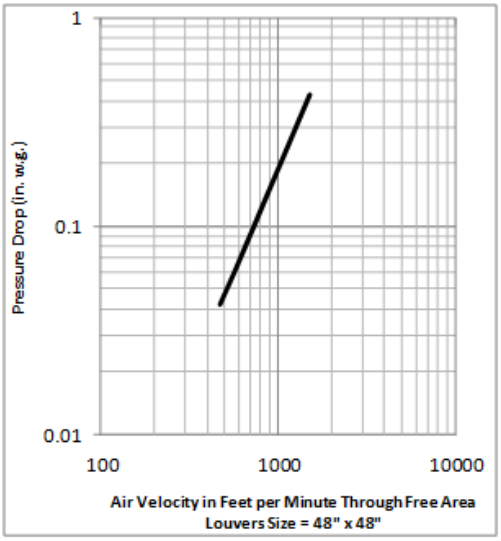
General: Furnish and install where indicated on drawings 4" (102mm) extruded aluminum penthouse Model 480XP as manufactured by Industrial Louvers, Inc., Delano, MN.

Material: Extruded aluminum frames and blades shall be one piece 6063-T6 alloy, designed to collect and drain water to the exterior at the sill by means of integral gutters in the blades and jamb frames. Frame shall have a material thickness of .081" (2.1mm). Fixed blades shall have a material thickness of .081" (2.1mm). Frames and blades shall be joined by stainless steel mechanical fastener, and frame will be caulked to prevent water penetration to interior wall construction. Corners shall be mitered and welded. The roof shall be .080" aluminum sheet and be mounted on rafters made of 2" x 2" x 1/4" aluminum angles spaced 24" o.c. The roof shall be mechanically fastened for easy access to the interior. The underside of the roof shall be covered with a sound absorbing material.

Performance

- Free area (4' x 4' louver) = 8.38 sq. ft. (52.4%)
- Free area velocity at point of beginning water penetration (.01 oz/sq. ft.) = 858.7 fpm
- Pressure drop @ 893.2 FPM velocity = .15" water
- Air volume @ 893.2 FPM free area velocity = 7,485.02 CFM

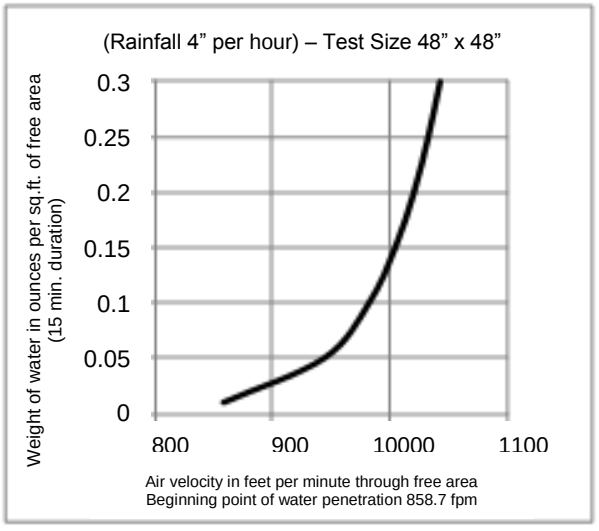
Air Performance Chart



Free Area

Square Feet (Square Meters)						
Free Area AMCA Licensed for openings up to 72" x 120"						
For free area data for larger openings, contact factory.						
3048.0	0.44	0.95	1.47	1.99	2.50	3.02
120	**4.70**	**10.26**	**15.83**	**21.39**	**26.96**	**32.52**
2743.2	0.40	0.87	1.34	1.81	2.29	2.76
108	**4.29**	**9.37**	**14.45**	**19.53**	**24.62**	**29.70**
2438.4	0.36	0.79	1.21	1.64	2.07	2.50
96	**3.88**	**8.48**	**13.08**	**17.67**	**22.27**	**26.87**
2133.6	0.30	0.66	1.02	1.38	1.74	2.10
84	**3.27**	**7.14**	**11.01**	**14.89**	**18.76**	**22.63**
1828.8	0.27	0.58	0.90	1.21	1.53	1.84
72	**2.86**	**6.25**	**9.64**	**13.03**	**16.42**	**19.80**
1524	0.21	0.46	0.70	0.95	1.20	1.45
60	**2.25**	**4.91**	**7.57**	**10.24**	**12.90**	**15.56**
1219.2	0.17	0.37	0.58	0.78	0.98	1.18
48	**1.84**	**4.02**	**6.20**	**8.38**	**10.56**	**12.74**
914.4	0.13	0.29	0.45	0.61	0.76	0.92
36	**1.43**	**3.13**	**4.82**	**6.52**	**8.21**	**9.91**
609.6	0.08	0.17	0.26	0.35	0.44	0.53
24	**0.82**	**1.79**	**2.76**	**3.73**	**4.70**	**5.67**
304.8	0.04	0.08	0.13	0.17	0.22	0.26
12	**0.41**	**0.90**	**1.38**	**1.87**	**2.36**	**2.84**
H/W	304.8	609.6	914.4	1219	1524	1829
	12	**24**	**36**	**48**	**60**	**72**

Water Penetration Chart



www.industriallouvers.com
ilinfo@industriallouvers.com
511 South 7th Street, Delano MN 55328
Tel: +1.763.972.2981 • Fax: +1.763.972.2911