



MODEL 680A

STANDARD CONSTRUCTION

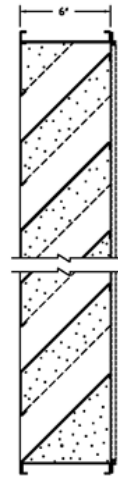
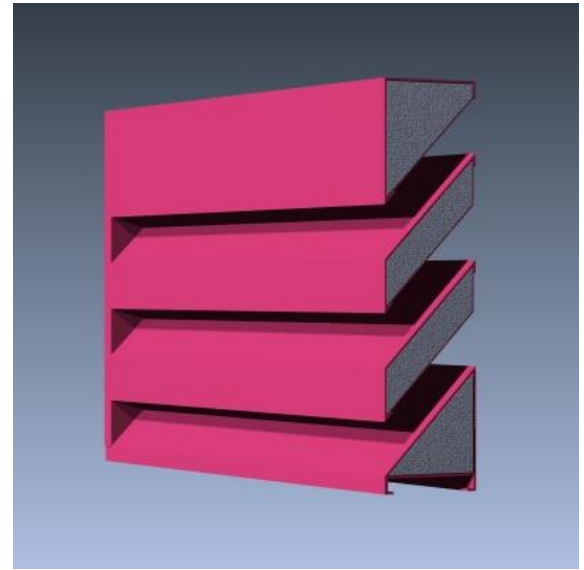
- Material: Formed Aluminum 5005-H34
- Frame: 6" (152mm) deep, .081" (2.1mm) nominal wall thickness
- Blades: 6" (152mm) deep, .081" (2.1mm) nominal wall thickness
- Absorbent Material: 8 lb Mineral Wool
- Blade Spacing: 6.213" (158mm) on center
- Screen: 1/2" x .063" flattened expanded bird screen and/or 18 x 14 mesh charcoal insect screen.
- Finish: Mill

OPTIONAL ACCESSORIES

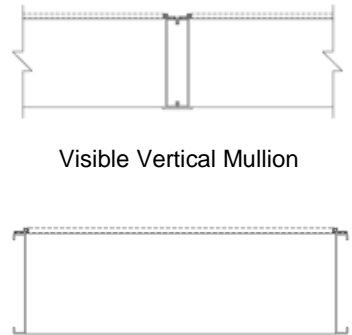
- Extended Sill Flashing
- Insulated and Non-insulated Blank-off Panels
- Flanged & Glazing Frames of various sizes
- Hinged Access Panels
- Sub-frames
- Visible Mullions

FINISHES

- 2 coat Fluoropolymer: Kynar® 500 / custom colors available in 70% PVDF (AAMA 2605). Living Building Challenge (LBC) Red List Free.
- 3 coat Fluoropolymer: 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



Vertical Section



Visible Vertical Mullion

Plan View

Qty.	Size:		Mullion Type	No. of Sections	Notes
	Width	Height			
<input type="checkbox"/>	Sill flashing:		Project:		
<input type="checkbox"/>	Screen:		Location:		
<input type="checkbox"/>	Finish:		Architect:		
	Color:		Representative:		
<input type="checkbox"/>	Other:		Date:	Job #:	





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SUGGESTED SPECIFICATIONS

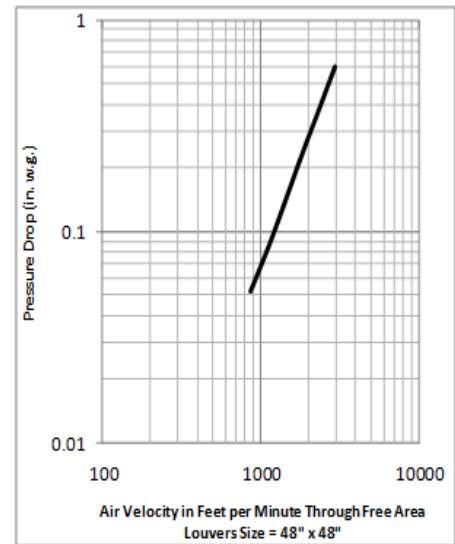
General: Furnish and install where indicated on drawings 6" (102mm) Acoustical Louver Model 680A as manufactured by Industrial Louvers, Inc., Delano, MN.

Material: Formed aluminum frames and blades shall be one piece 5005-H34 alloy. Frame shall have a material thickness of .081" (2.1mm). Fixed blades shall have a material thickness of .081" (2.1mm). The interior face of the blade shall be .032" perforated aluminum sheet. Frames and blades shall be joined by welding, and frame will be caulked to prevent water penetration to interior wall construction.

Performance

- Free area (4' x 4' louver) = 4.45 sq. ft. (27.8%)
- Free area velocity at point of beginning water penetration (.01 oz/sq. ft.) = 967 fpm
- Pressure drop @ 1471.2 FPM velocity = .15" water
- Air volume @ 1471.2 FPM free area velocity = 6,546.84 CFM

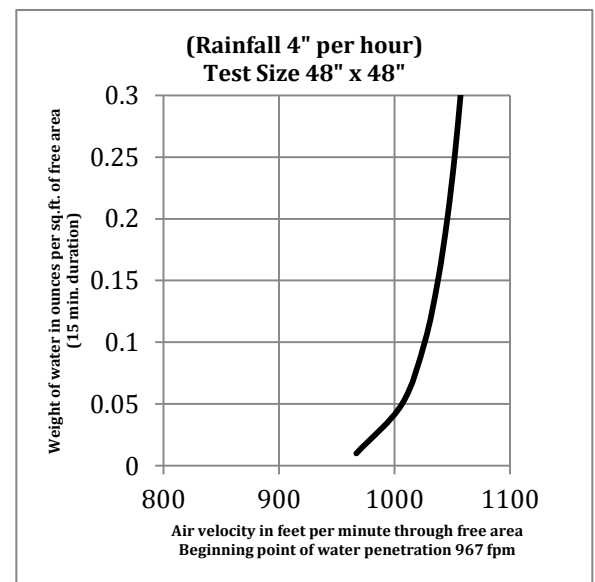
Air Performance Chart



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	0.24	0.54	0.83	1.13	1.42	1.71
120	2.63	5.80	8.96	12.12	15.28	18.44
2743.2	0.22	0.48	0.74	1.01	1.27	1.53
108	2.36	5.18	8.01	10.84	13.67	16.50
2438.4	0.19	0.42	0.66	0.89	1.12	1.35
96	2.08	4.57	7.07	9.56	12.06	14.55
2133.6	0.17	0.37	0.57	0.77	0.97	1.17
84	1.80	3.96	6.12	8.29	10.45	12.61
1828.8	0.14	0.31	0.48	0.65	0.82	0.99
72	1.52	3.35	5.18	7.01	8.84	10.66
1524	0.12	0.25	0.39	0.53	0.67	0.81
60	1.25	2.74	4.24	5.73	7.23	8.72
1219.2	0.09	0.20	0.31	0.41	0.52	0.63
48	0.97	2.13	3.29	4.45	5.61	6.78
914.4	0.06	0.14	0.22	0.29	0.37	0.45
36	0.69	1.52	2.35	3.17	4.00	4.83
609.6	0.04	0.08	0.13	0.18	0.22	0.27
24	0.41	0.91	1.40	1.90	2.39	2.89
304.8	0.01	0.03	0.04	0.06	0.07	0.09
12	0.13	0.30	0.46	0.62	0.78	0.94
H/W	304.8	609.6	914.4	1219	1524	1829
	12	24	36	48	60	72

Water Penetration Chart



Sound Transmission Chart

Selected 1/3 Octave Bands Center Frequency HZ	125	250	500	1000	2000	4000	5000
Transmission Loss In Decibels	6	4	7	13	16	14	13
Free Field Noise	12	10	13	19	22	20	19

