

Model: RSR-5H

5" [127mm] Deep, Drainable Horizontal Blade, Storm Resistant Louver



McGill Architectural Products certifies that the Storm Resistant Model "RSR 5H" is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings seal applies to air performance and Wind Driven Rain ratings only.



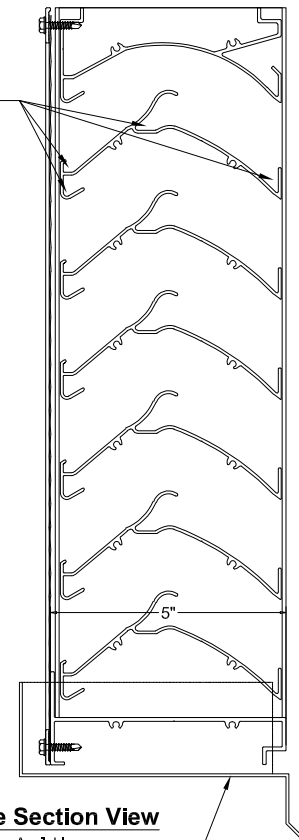
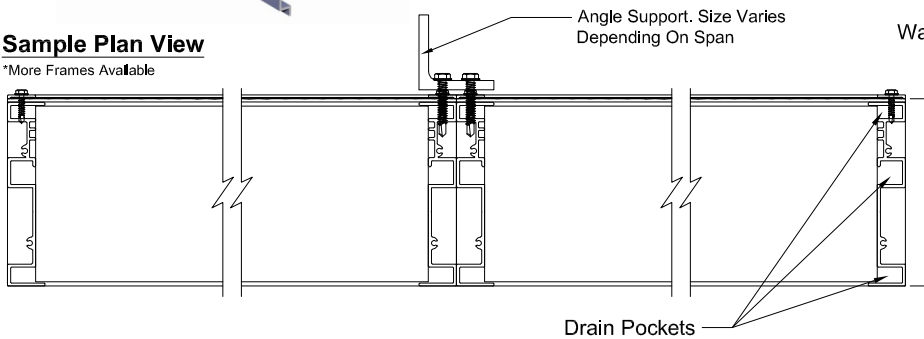
Wind Driven Rain Performance

- Maintains **Class A (99%)** rating with 29mph wind velocity @ 3in/hr rainfall rate
- Max. intake core velocity - **399 FPM (2.0 m/s)**
- Intake pressure drop at max. intake core velocity - **61 pa**

Below Info is Based On 29mph Wind Velocity & 3in/ hr Rainfall Rate								
Core Velocity (m/s)	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5
Effectiveness (%)	100	100	99.9	99.9	99.7	93.8	93.7	92.5
Penetration Class	A	A	A	A	A	C	C	C
Classification	A = 100% - 99%		B = 98.9% - 95%		C = 94.9% - 80%		D = Below 80%	

Sample Plan View

*More Frames Available



Sample Section View

*More Frames Available

System Description:

McGill Rain Storm Resistant 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 to drain rain water to jamb and mullion downspouts; rated for an air performance and water penetration maintained effectiveness rate of 0.99 when tested in accordance with AMCA 500-L.

Material & Finishes:

1. RSR-5H comprises
 - a. Blades: Multi-Drain Profile
 - b. Frame depth: 5 inches [127 mm]
2. Metal Thickness: Frame 0.081 inches [2 mm]; blades 0.081 inches [2 mm].
3. Finish: PE-SDF / PVDF / Anodized
4. Color: As scheduled.
5. Mullions: Exposed.
6. Screens: Bird mesh / Insect mesh
7. Screen location: Interior
8. Screening Material: Aluminum / Stainless Steel

Louver Construction:

1. Wind Load Resistance: Supports designed to resist specified project wind load 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:

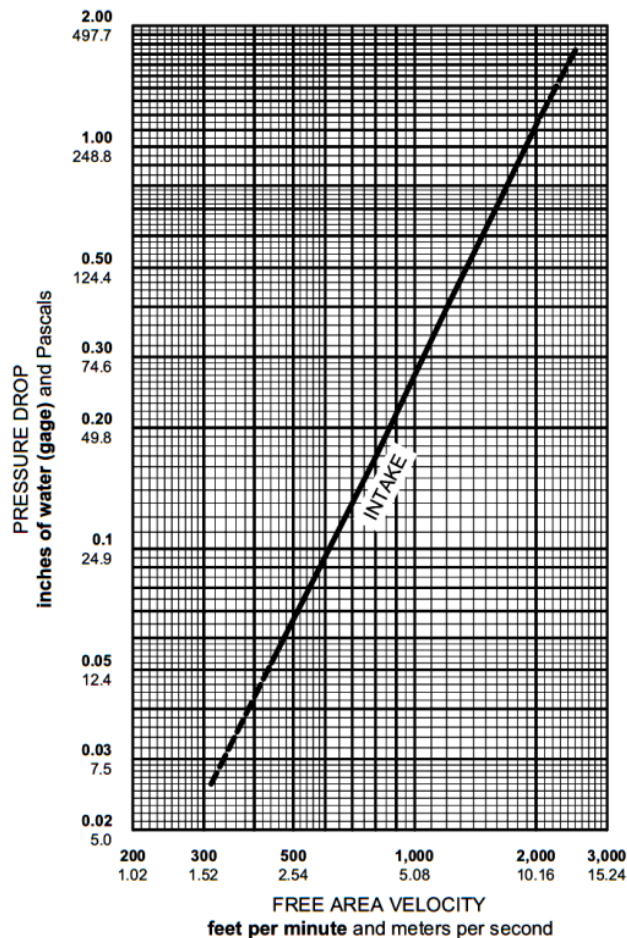
OSA-McGill louvers warranted for 2 years against defective material and workmanship, and 20 Years for Finishes

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		FREE AREA (ft ² and m ²)									
		WIDTH (IN & mm)									
		12	24	36	48	60	72	84	96	108	120
HEIGHT (IN & mm)	12	0.32	0.71	1.10	1.49	1.88	2.27	2.66	3.05	3.44	3.83
	304.8	0.03	0.07	0.10	0.14	0.17	0.21	0.25	0.28	0.32	0.36
	24	0.78	1.71	2.64	3.58	4.51	5.44	6.38	7.31	8.24	9.18
	609.6	0.07	0.16	0.25	0.33	0.42	0.51	0.59	0.68	0.77	0.85
	36	1.23	2.71	4.19	5.68	7.16	8.64	10.12	11.60	13.08	14.56
	914.4	0.11	0.25	0.39	0.53	0.67	0.80	0.94	1.08	1.22	1.35
	48	1.72	3.78	5.84	7.91	9.97	12.03	14.09	16.16	18.22	20.28
	1219.2	0.16	0.35	0.54	0.73	0.93	1.12	1.31	1.50	1.69	1.89
	60	2.17	4.78	7.39	10.00	12.60	15.21	17.82	20.43	23.04	25.64
	1524	0.20	0.44	0.69	0.93	1.17	1.41	1.66	1.90	2.14	2.38
	72	2.66	5.85	9.04	12.23	15.42	18.61	21.81	25.00	28.19	31.38
	1828.8	0.25	0.54	0.84	1.14	1.43	1.73	2.03	2.32	2.62	2.92
	84	3.12	6.86	10.60	14.35	18.09	21.83	25.58	29.32	33.07	36.81
	2133.6	0.29	0.64	0.99	1.33	1.68	2.03	2.38	2.73	3.07	3.42
	96	3.57	7.85	12.13	16.41	20.70	24.98	29.26	33.54	37.83	42.11
	2438.4	0.33	0.73	1.13	1.53	1.92	2.32	2.72	3.12	3.52	3.91
108	4.05	8.92	13.78	18.65	23.51	28.38	33.24	38.11	42.97	47.84	
2743.2	0.38	0.83	1.28	1.73	2.19	2.64	3.09	3.54	3.99	4.45	
120	4.52	9.94	15.36	20.79	26.21	31.64	37.06	42.49	47.91	53.33	
3048	0.42	0.92	1.43	1.93	2.44	2.94	3.44	3.95	4.45	4.96	



Test Data

Published data is in accordance with ANSI/AMCA 500-L, Figure 5.5. Data corrected to standard air density. Test Sample Size 48"x48"

The AMCA Water Penetration Test provides a method for comparing various louver models and designs as to their efficiency in resisting the penetration of rainfall under specific laboratory test conditions. The point of zero water penetration is defined as that velocity where the water penetration curve projects through 0.01 oz per sq. ft. of louver area.