

6375RDHAX

Drainable Combination Louver

Extruded Aluminum

RELIABLE

APPLICATION

The 6375RDHAX is a 6" drainable combination louver that offers a high performance frame system and architecturally styled hidden mullions. The 6375RDHAX is UL classified with water penetration and air performance ratings tested in accordance with AMCA Publication 511.

STANDARD CONSTRUCTION

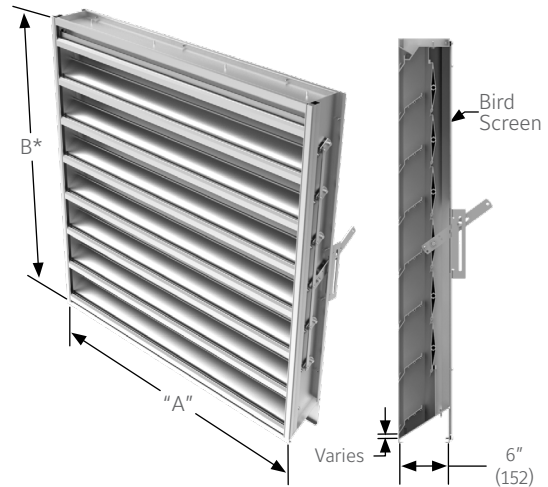
Frame	6" (152) deep, 6063T6 extruded aluminum with .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.
Blades	Front stationary drainable blades - 6063T6 extruded aluminum with .081" (2.1) nominal wall thickness, positioned at 37 1/2° angle and spaced approximately 6 1/8" (156) on center. Rear adjustable airfoil blades - 6063T6 extruded aluminum, .070" (1.8) nominal wall thickness.
Screen	5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.
Seals	Extruded vinyl blade edge seals on rear adjustable blades and flexible, compressible aluminum jamb seals.
Linkage	Concealed in frame.
Bearings	Stainless steel sleeve pressed into frame.
Axles	1/2" (13) plated steel hex.
Actuator	Locking louver quadrant.
Finish	Mill.
Minimum Size	12"w x 12"h (305 x 305).
Approximate Shipping Weight	8 lbs. per sq. ft. (39.1 kg per m ²)
Maximum Factory Assembly Size	Shall be 120"w x 90"h (3048 x 2286) with standard frame, 120"w x 93"h (3048 x 2362) with integral flange frame. Maximum operating section width is 60" (1524). Louvers larger than the maximum factory assembly size will require field assembly of smaller sections.

FEATURES

- 47% Free Area
- Published performance ratings based on testing in accordance with AMCA Publication 511
- Concealed blade linkage is protected from weather exposure and reduces required installation depth
- Adjustable rear blades
- Blade and jamb seals provide tight closure
- Beginning point of water penetration at .01 oz./ sq ft is 1169 fpm (356 m/min)
- A drain gutter in each front stationary blade minimizes water cascade between blades
- Architecturally styled hidden mullions

Note:

- Dimensions in inches, parenthesis () indicate millimeters.
- Units can be furnished actual size or with size deducts.



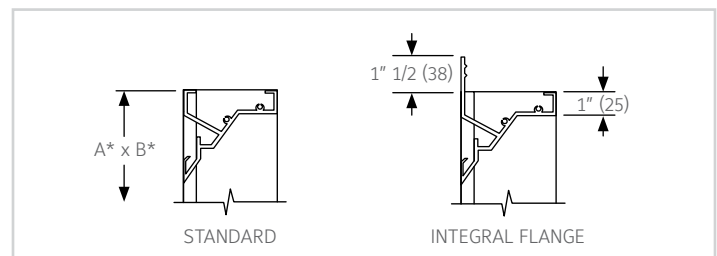
VARIATIONS

Variations to the basic design of these louvers are available at additional cost. They include:

- Extended sill
- Hinged frame
- Front or rear security bars
- Filter racks
- Installation angles
- Blank off panels
- Frame caps
- Integral flange frames
- Blade edge and jamb seals
- A variety of bird and insect screens
- A selection of manual, electric, and pneumatic actuators
- Selection of finishes: prime coat, 50% PVDF (modified fluoropolymer), epoxy, Pearledize, 70% PVDF, clear and color anodize. (Some variation in anodize color consistency is possible)

Consult Reliable for other special requirements.

FRAME CONSTRUCTION

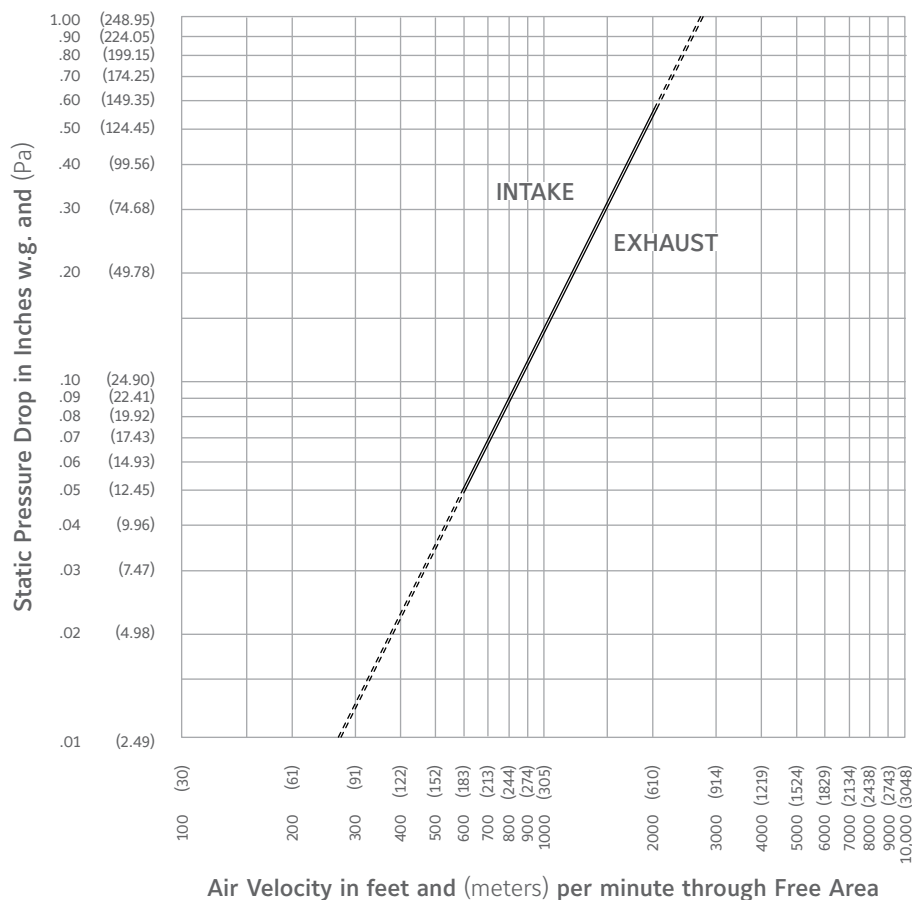


FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 6375RDHAX.

		Width – Inches and Meters																		
Height – Inches and Meters		12 0.3	18 0.45	24 0.6	30 0.75	36 0.9	42 1.05	48 1.2	54 1.35	60 1.5	66 1.65	72 1.8	78 1.95	84 2.1	90 2.25	96 2.4	102 2.55	108 2.7	114 2.85	120 3
	12 0.30	0.15 0.01	0.24 0.02	0.32 0.03	0.41 0.04	0.50 0.05	0.59 0.05	0.68 0.06	0.75 0.07	0.85 0.08	0.94 0.09	1.03 0.10	1.12 0.10	1.20 0.11	1.29 0.12	1.38 0.13	1.47 0.14	1.59 0.14	1.65 0.15	1.73 0.16
	18 0.45	0.39 0.03	0.63 0.06	0.87 0.08	1.10 0.10	1.34 0.12	1.57 0.15	1.81 0.17	2.05 0.19	2.28 0.21	2.52 0.23	2.75 0.26	2.99 0.28	3.23 0.30	3.46 0.32	3.70 0.34	3.93 0.37	4.17 0.39	4.41 0.41	4.64 0.43
	24 0.60	0.64 0.06	1.02 0.10	1.41 0.13	1.79 0.17	2.18 0.20	2.56 0.24	2.94 0.27	3.33 0.31	3.71 0.35	4.09 0.38	4.48 0.42	4.86 0.45	5.25 0.49	5.63 0.52	6.01 0.56	6.40 0.60	6.78 0.63	7.17 0.67	7.55 0.70
	30 0.75	0.89 0.08	1.42 0.13	1.95 0.18	2.48 0.23	3.01 0.28	3.55 0.33	4.08 0.38	4.61 0.43	5.14 0.48	5.67 0.53	6.20 0.58	6.74 0.63	7.27 0.68	7.80 0.73	8.33 0.77	8.86 0.82	9.39 0.87	9.93 0.92	10.46 0.97
	36 0.90	1.13 0.11	1.81 0.17	2.49 0.23	3.17 0.29	3.85 0.36	4.53 0.42	5.21 0.48	5.89 0.55	6.57 0.61	7.25 0.67	7.93 0.74	8.61 0.80	9.29 0.86	9.97 0.93	10.65 0.99	11.33 1.05	12.01 1.12	12.69 1.18	13.37 1.24
	42 1.05	1.38 0.13	2.21 0.21	3.03 0.28	3.86 0.36	4.69 0.44	5.52 0.51	6.34 0.59	7.17 0.67	8.00 0.74	8.83 0.82	9.65 0.90	10.48 0.97	11.31 1.05	12.14 1.13	12.96 1.21	13.79 1.28	14.62 1.36	15.45 1.44	16.27 1.51
	48 1.20	1.63 0.15	2.60 0.24	3.58 0.33	4.55 0.42	5.53 0.51	6.50 0.60	7.48 0.70	8.45 0.79	9.43 0.88	10.40 0.97	11.38 1.06	12.36 1.15	13.33 1.24	14.31 1.33	15.28 1.42	16.26 1.51	17.23 1.60	18.21 1.69	19.18 1.78
	54 1.35	1.87 0.17	3.00 0.28	4.12 0.38	5.24 0.49	6.37 0.59	7.49 0.70	8.61 0.80	9.74 0.91	10.86 1.01	11.98 1.11	13.10 1.22	14.23 1.32	15.35 1.43	16.47 1.53	17.60 1.64	18.72 1.74	19.84 1.85	20.97 1.95	22.09 2.05
	60 1.50	1.98 0.18	3.17 0.29	4.35 0.40	5.54 0.52	6.73 0.63	7.92 0.74	9.10 0.85	10.29 0.96	11.48 1.07	12.67 1.18	13.85 1.29	15.04 1.40	16.23 1.51	17.42 1.62	18.60 1.73	19.79 1.84	20.98 1.95	22.17 2.06	23.35 2.17
	66 1.65	2.23 0.21	3.56 0.33	4.90 0.46	6.238 0.58	7.57 0.70	8.90 0.83	10.24 0.95	11.57 1.08	12.91 1.20	14.24 1.32	15.58 1.45	16.92 1.57	18.25 1.70	19.59 1.82	20.92 1.95	22.26 2.07	23.59 2.19	24.93 2.32	26.26 2.44
	72 1.80	2.47 0.23	3.96 0.37	5.44 0.51	6.92 0.64	8.41 0.78	9.89 0.92	11.37 1.06	12.86 1.20	14.34 1.33	15.82 1.47	17.30 1.61	18.79 1.75	20.27 1.89	21.75 2.02	23.24 2.16	24.72 2.30	26.20 2.44	27.69 2.57	29.17 2.71
	78 1.95	2.72 0.25	4.35 0.40	5.98 0.56	7.61 0.71	9.24 0.86	10.87 1.01	12.51 1.16	14.14 1.31	15.77 1.47	17.40 1.62	19.03 1.77	20.66 1.92	22.29 2.07	23.92 2.22	25.55 2.38	27.19 2.53	28.82 2.68	30.45 2.83	32.08 2.98
	84 2.10	2.97 0.28	4.74 0.44	6.52 0.61	8.30 0.77	10.08 0.94	11.86 1.10	13.64 1.27	15.42 1.43	17.20 1.60	18.98 1.76	20.76 1.93	22.53 2.10	24.31 2.26	26.09 2.43	27.87 2.59	29.65 2.76	31.43 2.92	33.21 3.09	34.99 3.25
	90 2.25	3.21 0.30	5.14 0.48	7.07 0.66	8.99 0.84	10.92 1.02	12.85 1.19	14.77 1.37	16.70 1.55	18.63 1.73	20.55 1.91	22.48 2.09	24.41 2.27	26.33 2.45	28.26 2.63	30.19 2.81	32.12 2.99	34.04 3.17	35.97 3.35	37.90 3.52
	96 2.40	3.46 0.32	5.53 0.51	7.61 0.71	9.68 0.90	11.76 1.09	13.83 1.29	15.91 1.48	17.98 1.67	20.06 1.87	22.13 2.06	24.21 2.25	26.28 2.44	28.36 2.64	30.43 2.83	32.50 3.02	34.58 3.22	36.65 3.41	38.73 3.60	40.80 3.79
	102 2.55	3.70 0.34	5.93 0.55	8.15 0.76	10.37 0.96	12.60 1.17	14.82 1.38	17.04 1.58	19.26 1.79	21.49 2.00	23.71 2.20	25.93 2.41	28.15 2.62	30.38 2.82	32.6 3.03	34.82 3.24	37.04 3.45	39.27 3.65	41.49 3.86	43.71 4.07
	108 2.70	3.95 0.37	6.32 0.59	8.69 0.81	11.06 1.03	13.43 1.25	15.80 1.47	18.17 1.69	20.54 1.91	22.92 2.13	25.29 2.35	27.66 2.57	30.03 2.79	32.40 3.01	34.77 3.23	37.14 3.45	39.51 3.67	41.88 3.89	44.25 4.12	46.62 4.34
	114 2.85	4.20 0.39	6.72 0.62	9.23 0.86	11.75 1.09	14.27 1.33	16.79 1.56	19.31 1.80	21.83 2.03	24.34 2.26	26.86 2.50	29.38 2.73	31.90 2.97	34.42 3.20	36.94 3.44	39.46 3.67	41.97 3.90	44.49 4.14	47.01 4.37	49.53 4.61
	120 3.00	4.44 0.41	7.11 0.66	9.78 0.91	12.44 1.16	15.11 1.41	17.78 1.65	20.44 1.90	23.11 2.15	25.77 2.40	28.44 2.64	31.11 2.89	33.77 3.14	36.44 3.39	39.11 3.64	41.77 3.88	44.44 4.13	47.10 4.38	49.77 4.63	52.44 4.88

PRESSURE DROP



Ratings do not include the effect of a bird screen.

PERFORMANCE DATA

AMCA Standard 500 provides a reasonable basis for testing and rating louvers. Testing to AMCA 500 is performed under a certain set of laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louvers must operate.

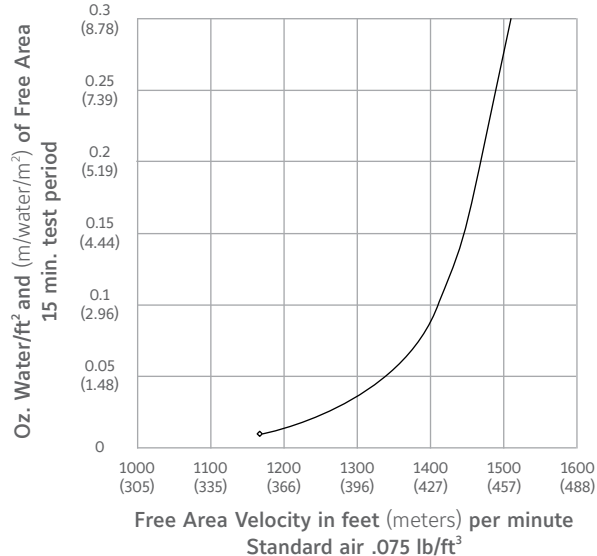
The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carry-over, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.

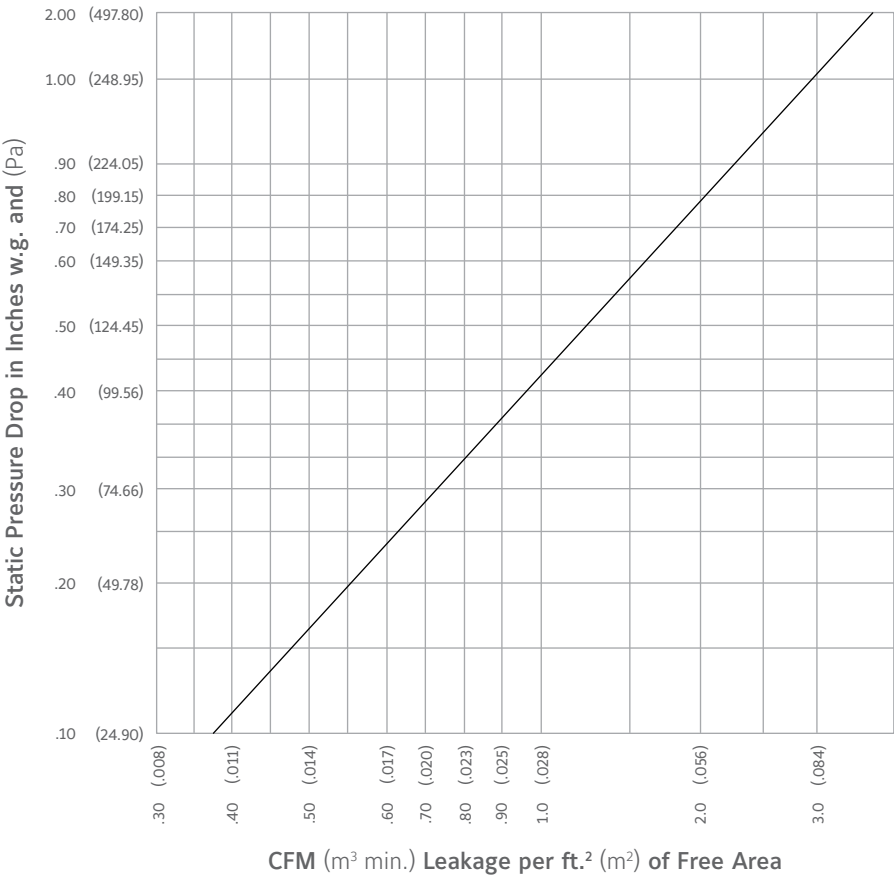
Ratings do not include the effect of a bird screen.



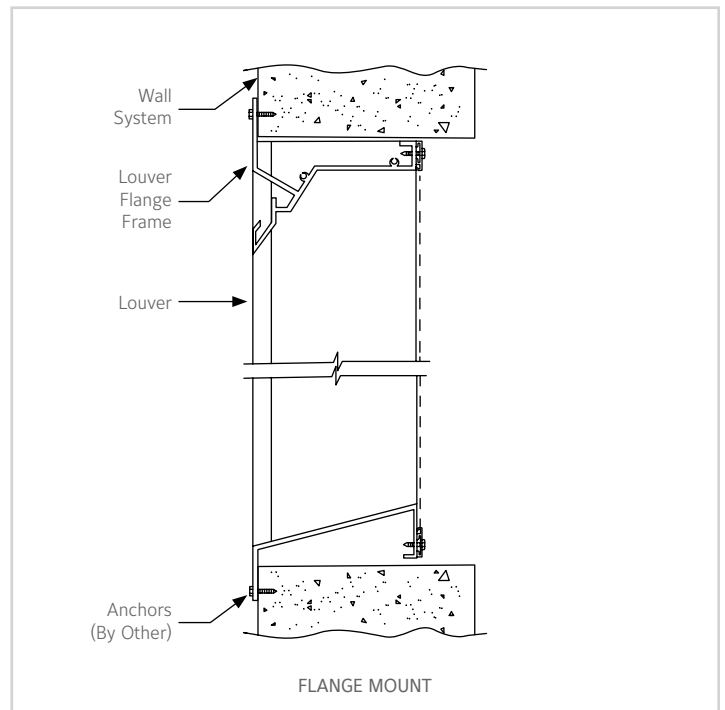
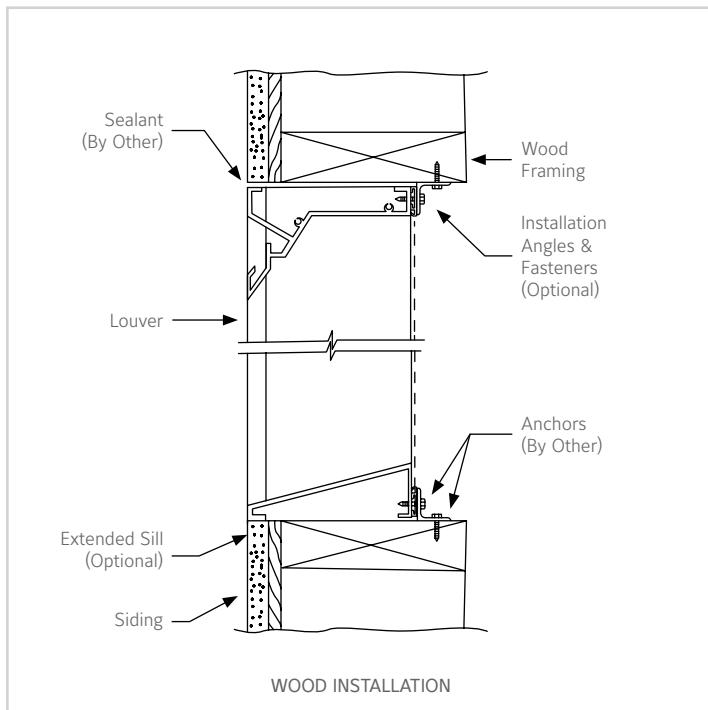
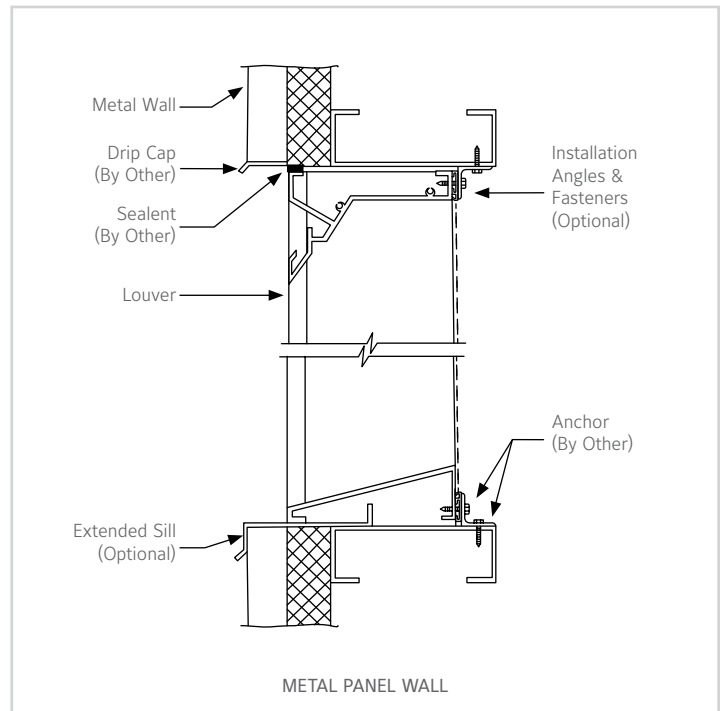
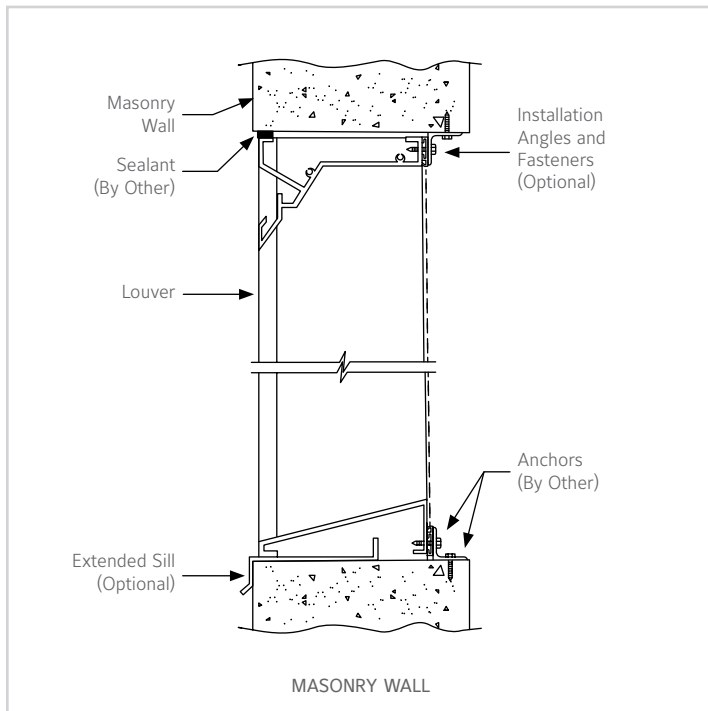
Reliable Products certifies that the 6375RDHAX Louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings and water penetration ratings only.

Water Penetration Graph
Test size 48" wide X 48" high (1219 X 1219)
Beginning point of water penetration at .01 oz./sq. ft. is
1169 fpm (356 m/min).





TYPICAL INSTALLATION DETAILS



*Accessories at additional cost.

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be manufactured in an ISO 9001 certified factory. Louvers shall be stationary type contained within a 6" (152) frame. Louver components (heads, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required.

Louver design shall limit span between visible mullions to 10 feet (3) and shall incorporate structural supports required to withstand a windload of 30 lbs. per sq. ft. (1.44KPa) (equivalent of a 110 mph wind [177 KPH] wind-specifier may substitute any loading required).

Material

- Frame: 6" (152) deep, 6063T6 extruded aluminum with .125" (3.2) nominal wall thickness.
- Blades: Front stationary drainable blades - 6063T6 extruded aluminum with .081" (2.1) nominal wall thickness, positioned at 37 1/2° angle and spaced approximately 6 1/8" (156) on center. Rear adjustable airfoil blades - 6063T6 extruded aluminum, .070" (1.8) nominal wall thickness.
- Screen: 5/8" x .040" (16 x 1) expanded, flattened aluminum bird screen in removable frame.
- Finish: Select finish specification from Reliable Finishes Brochure.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Finishes and Color Guide
Limited Warranty Document



1300 Enterprise Road, P.O. Box
580, Geneva, Alabama 36340
Tel: 334-684-3621
Tel: 800-624-3914
Fax: 800-508-1469