

4375D/4375DS/4375D125

Drainable Stationary Louvers

Extruded Aluminum

RELIABLE

APPLICATION

The 4375D/DS/D125 are 4" deep, extruded aluminum, drainable, stationary louvers that are designed to protect air intake and exhaust openings on exterior walls. These louvers are designed with drainable gutter systems that channel water from the blades to downspouts in the jambs. Here, water is exhausted out of the front of the louvers.

STANDARD CONSTRUCTION

Frame	4" (102) deep, 6063T6 extruded aluminum. 4375D - .081" (2.1) nominal wall thickness. 4375DS - .125" (3.2) nominal wall thickness. 4375D125 - .125" (3.2) nominal wall thickness. Downspouts and caulking surfaces provided.
Blades	6063T6 extruded aluminum. 4375D - .081" (2.1) nominal wall thickness. 4375DS - .081" (2.1) nominal wall thickness. 4375D125 - .125" (3.2) nominal wall thickness. Blades are positioned at 37 1/2° angle and spaced approximately 5 3/32" (129) center to center.
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.
Finish	Mill.
Minimum Size	12"w x 12"h (305 x 305).
Approximate Shipping Weight	4375D - 4 lbs./ft. ² (19.5 kg/m ²). 4375DS - 5 lbs./ft. ² (24.4 kg/m ²). 4375D125 - 6 lbs./ft. ² (29.3 kg/m ²).
Maximum Factory Assembly Size	Single sections shall not exceed 120"w x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048). Louvers larger than the maximum single section size will require field assembly of smaller sections.
Blade Supports	Louvers may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.

Consult Reliable for additional information.

FEATURES

- 54% Free Area
- Published performance ratings based on testing in accordance with AMCA Publication 511
- High performance frame system with drainable head collects and removes water to provide excellent water penetration performance
- Drain gutter in each blade minimizes water cascade between blades
- Architecturally styled, hidden mullions allowing continuous line appearance up to 120" (3048)
- Aluminum construction for low maintenance and high resistance to corrosion
- All welded construction

LEED Material Information

VOC Content (g/L) - 0

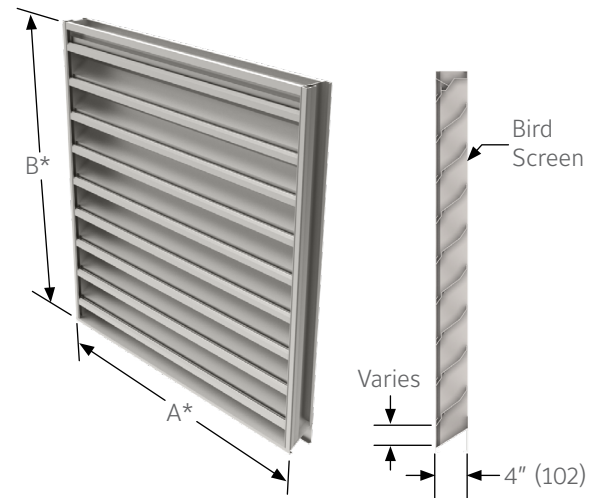
Manufacturing Locations (MR 5.1)

Geneva, AL 36340

Recycled Content (MR 4.1 & 4.2)

10% Post Consumer

30% Pre-Consumer



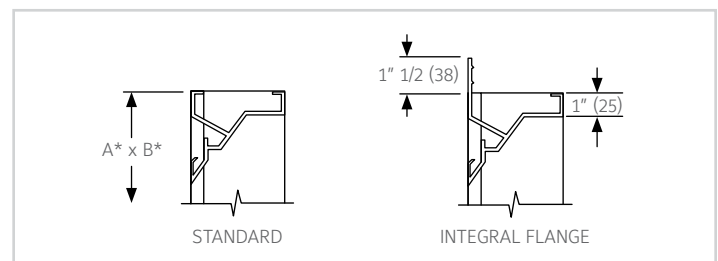
VARIATIONS

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
- Universal sleeve
- Blank off panels
- A variety of bird and insect screens
- Optional finishes available at additional cost: Prime coat, 50% PVDF (modified fluoropolymer), Epoxy, Pearledize, 70% PVDF, Clear and Anodized finishes. (Some variation in anodize color consistency is possible)

Consult Reliable for other special requirements.

FRAME CONSTRUCTION



Note:

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

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 4375D.

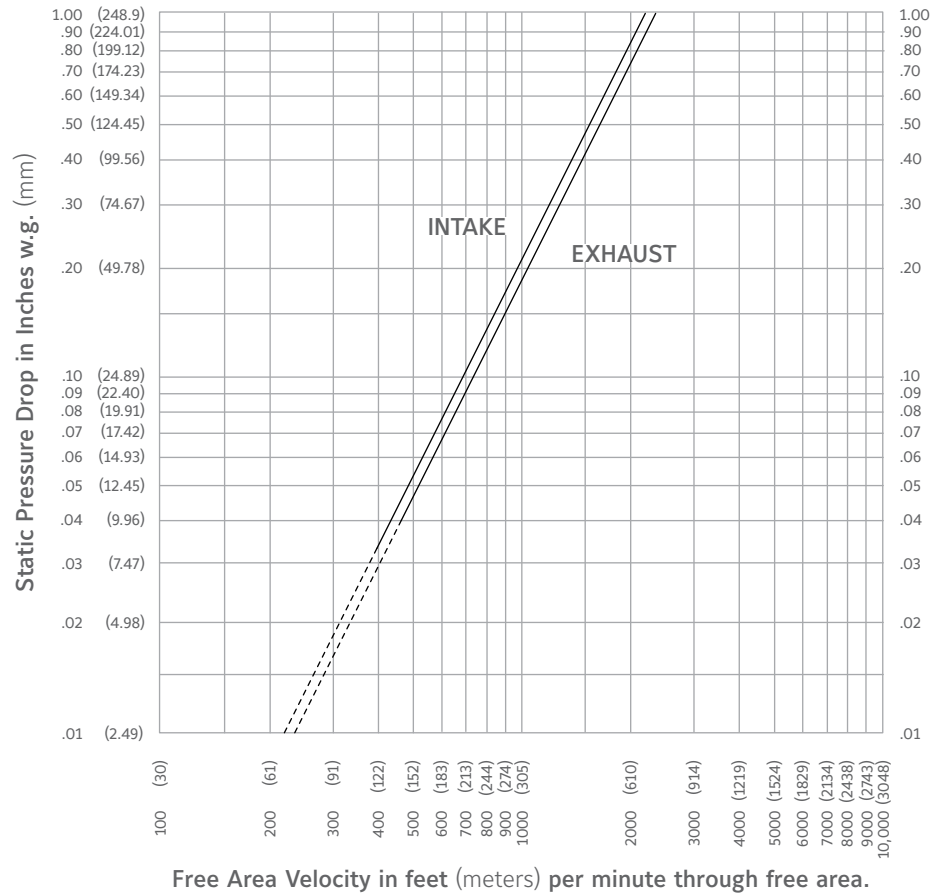
		Width – Inches and Meters																		
Height – Inches and Meters		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
		0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00
	12	0.30	0.34	0.54	0.74	0.94	1.15	1.35	1.55	1.75	1.95	2.16	2.36	2.56	2.76	2.97	3.17	3.37	3.57	3.78
		0.03	0.03	0.05	0.07	0.09	0.11	0.13	0.14	0.16	0.18	0.20	0.22	0.24	0.26	0.28	0.29	0.31	0.33	0.35
	18	0.45	0.61	0.97	1.34	1.71	2.07	2.44	2.80	3.17	3.53	3.90	4.26	4.63	4.99	5.36	5.73	6.09	6.46	6.82
		0.06	0.06	0.09	0.12	0.16	0.19	0.23	0.26	0.29	0.33	0.36	0.40	0.43	0.46	0.50	0.53	0.57	0.60	0.63
	24	0.60	0.88	1.41	1.94	2.47	3.00	3.53	4.05	4.58	5.11	5.64	6.17	6.70	7.23	7.76	8.28	8.81	9.34	9.87
		0.08	0.13	0.18	0.23	0.28	0.33	0.38	0.43	0.48	0.52	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97
	30	0.75	1.15	1.85	2.54	3.23	3.92	4.61	5.31	6.00	6.69	7.38	8.07	8.77	9.46	10.15	10.84	11.53	12.23	12.92
		0.10	0.16	0.22	0.27	0.33	0.39	0.45	0.51	0.57	0.63	0.68	0.74	0.80	0.86	0.92	0.98	1.04	1.10	1.15
	36	0.90	1.32	2.11	2.91	3.70	4.49	5.28	6.08	6.87	7.66	8.45	9.24	10.04	10.83	11.62	12.41	13.21	14.00	14.79
		0.12	0.20	0.27	0.34	0.42	0.49	0.56	0.64	0.71	0.79	0.86	0.93	1.01	1.08	1.15	1.23	1.30	1.38	1.45
	42	1.05	1.59	2.55	3.50	4.46	5.42	6.37	7.33	8.28	9.24	10.19	11.15	12.11	13.06	14.02	14.97	15.93	16.88	17.84
		0.15	0.24	0.33	0.41	0.50	0.59	0.68	0.77	0.86	0.95	1.04	1.13	1.21	1.30	1.39	1.48	1.57	1.66	1.75
	48	1.20	1.86	2.98	4.10	5.22	6.34	7.46	8.58	9.70	10.82	11.94	13.05	14.17	15.29	16.41	17.53	18.65	19.77	20.89
		0.17	0.28	0.38	0.49	0.59	0.69	0.80	0.90	1.01	1.11	1.21	1.32	1.42	1.53	1.63	1.73	1.84	1.94	2.05
	54	1.35	2.14	3.42	4.70	5.98	7.27	8.55	9.83	11.11	12.40	13.68	14.96	16.24	17.52	18.81	20.09	21.37	22.65	23.94
		0.20	0.32	0.44	0.56	0.68	0.80	0.91	1.03	1.15	1.27	1.39	1.51	1.63	1.75	1.87	1.99	2.11	2.23	2.35
	60	1.50	2.41	3.85	5.30	6.75	8.19	9.64	11.08	12.53	13.97	15.42	16.87	18.31	19.76	21.20	22.65	24.09	25.54	26.98
		0.22	0.36	0.49	0.63	0.76	0.90	1.03	1.17	1.30	1.43	1.57	1.70	1.84	1.97	2.11	2.24	2.38	2.51	2.64
	66	1.65	2.58	4.12	5.67	7.21	8.76	10.31	11.85	13.40	14.94	16.49	18.04	19.58	21.13	22.67	24.22	25.77	27.31	28.86
		0.24	0.38	0.53	0.67	0.81	0.96	1.10	1.25	1.39	1.53	1.68	1.82	1.96	2.11	2.25	2.40	2.54	2.68	2.83
	72	1.80	2.85	4.56	6.27	7.98	9.69	11.39	13.10	14.81	16.52	18.23	19.94	21.65	23.36	25.07	26.78	28.49	30.20	31.91
		0.26	0.42	0.58	0.74	0.90	1.06	1.22	1.38	1.54	1.70	1.85	2.01	2.17	2.33	2.49	2.65	2.81	2.97	3.13
	78	1.95	3.12	4.99	6.87	8.74	10.61	12.48	14.36	16.23	18.10	19.97	21.85	23.72	25.59	27.46	29.34	31.21	33.08	34.95
		0.29	0.46	0.64	0.81	0.99	1.16	1.34	1.51	1.68	1.86	2.03	2.21	2.38	2.55	2.73	2.90	3.08	3.25	3.42
	84	2.10	3.39	5.43	7.46	9.50	11.54	13.57	15.61	17.64	19.68	21.72	23.75	25.79	27.82	29.86	31.89	33.93	35.97	38.00
		0.32	0.50	0.69	0.88	1.07	1.26	1.45	1.64	1.83	2.02	2.21	2.40	2.59	2.78	2.97	3.16	3.34	3.53	3.72
	90	2.25	3.67	6.86	8.06	10.26	12.46	14.66	16.86	19.06	21.26	23.46	25.66	27.86	30.05	32.25	34.45	36.65	38.85	41.05
		0.34	0.55	0.75	0.95	1.16	1.36	1.57	1.77	1.98	2.18	2.39	2.59	2.80	3.00	3.20	3.41	3.61	3.82	4.02
	96	2.40	3.94	6.30	8.66	11.02	13.39	15.75	18.11	20.47	22.84	25.20	27.56	29.92	32.29	34.65	37.01	39.37	41.74	44.10
		0.37	0.59	0.81	1.03	1.24	1.46	1.68	1.90	2.12	2.34	2.56	2.78	3.00	3.22	3.44	3.66	3.88	4.10	4.32
	102	2.55	4.10	6.57	9.03	11.49	13.96	16.42	18.88	21.34	23.81	26.27	28.73	31.19	33.66	36.12	38.58	41.05	43.51	45.97
		0.38	0.61	0.84	1.07	1.30	1.53	1.76	1.98	2.21	2.44	2.67	2.90	3.13	3.36	3.59	3.82	4.05	4.28	4.50
	108	2.70	4.38	7.00	9.63	12.25	14.88	17.51	20.13	22.76	25.38	28.01	30.64	33.26	35.89	38.51	41.14	43.77	46.39	49.02
		0.41	0.65	0.90	1.14	1.38	1.63	1.87	2.12	2.36	2.60	2.85	3.09	3.34	3.58	3.83	4.07	4.31	4.56	4.80
	114	2.85	4.65	7.44	10.23	13.02	15.81	18.60	21.38	24.17	26.96	29.75	32.54	35.33	38.12	40.91	43.70	46.49	49.28	52.07
		0.43	0.69	0.95	1.21	1.47	1.73	1.99	2.25	2.51	2.77	3.03	3.29	3.55	3.80	4.06	4.32	4.58	4.84	5.10
	120	3.00	4.92	7.87	10.83	13.78	16.73	19.68	22.64	25.59	28.54	31.49	34.45	37.40	40.35	43.30	46.26	49.21	52.16	55.11
		0.46	0.73	1.01	1.28	1.56	1.83	2.11	2.38	2.65	2.93	3.20	3.48	3.75	4.03	4.30	4.58	4.85	5.13	5.40

FREE AREA GUIDE

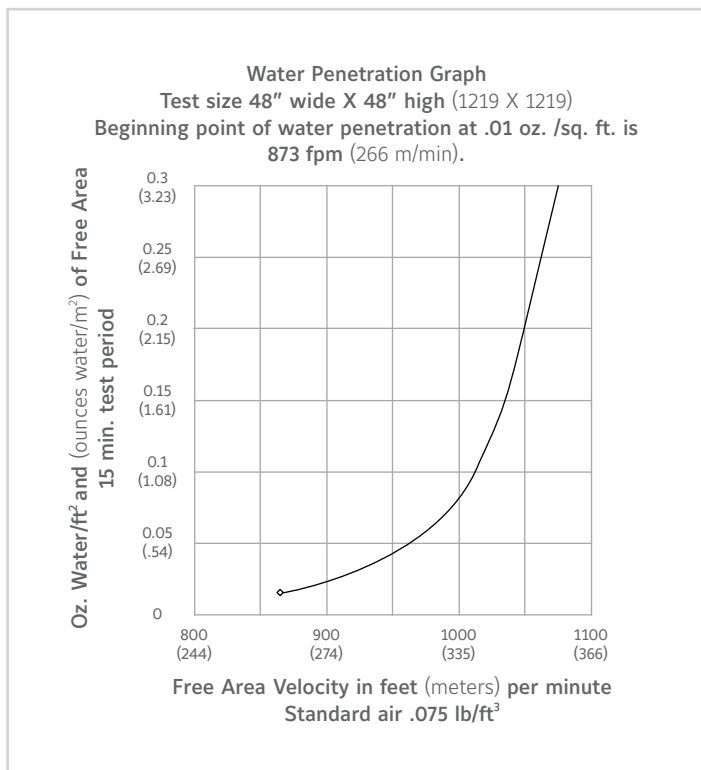
Free Area Guide shows free area in ft² and m² for various sizes of 4375D125.

		Width – Inches and Meters																		
Height – Inches and Meters		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
		0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	3.00
	12	0.33	0.53	0.72	0.92	1.12	1.31	1.51	1.71	1.91	2.10	2.30	2.50	2.69	2.89	3.09	3.29	3.48	3.68	3.88
	0.30	0.03	0.05	0.07	0.09	0.10	0.12	0.14	0.16	0.18	0.20	0.21	0.23	0.25	0.27	0.29	0.31	0.32	0.34	0.36
	18	0.60	0.96	1.32	1.68	2.04	2.41	2.77	3.13	3.49	3.85	4.21	4.57	4.93	5.29	5.65	6.01	6.37	6.74	7.10
	0.45	0.06	0.09	0.12	0.16	0.19	0.22	0.26	0.29	0.32	0.36	0.39	0.43	0.46	0.49	0.53	0.56	0.59	0.63	0.66
	24	0.87	1.40	1.92	2.45	2.97	3.50	4.02	4.55	5.07	5.59	6.12	6.64	7.17	7.69	8.22	8.74	9.27	9.79	10.31
	0.60	0.08	0.13	0.18	0.23	0.28	0.33	0.37	0.42	0.47	0.52	0.57	0.62	0.67	0.72	0.76	0.81	0.86	0.91	0.96
	30	1.15	1.83	2.52	3.21	3.90	4.59	5.28	5.96	6.65	7.34	8.03	8.72	9.40	10.09	10.78	11.47	12.16	12.84	13.53
	0.75	0.11	0.17	0.23	0.30	0.36	0.43	0.49	0.55	0.62	0.68	0.75	0.81	0.87	0.94	1.00	1.07	1.13	1.19	1.26
	36	1.32	2.11	2.91	3.70	4.49	5.28	6.07	6.87	7.66	8.45	9.24	10.04	10.83	11.62	12.41	13.21	14.00	14.79	15.58
	0.90	0.12	0.20	0.27	0.34	0.42	0.49	0.56	0.64	0.71	0.79	0.86	0.93	1.01	1.08	1.15	1.23	1.30	1.38	1.45
	42	1.59	2.55	3.51	4.46	5.42	6.37	7.33	8.29	9.24	10.20	11.15	12.11	13.07	14.02	14.98	15.93	16.89	17.85	18.80
	1.05	0.15	0.24	0.33	0.41	0.50	0.59	0.68	0.77	0.86	0.95	1.04	1.13	1.22	1.30	1.39	1.48	1.57	1.66	1.75
	48	1.87	2.99	4.11	5.22	6.34	7.46	8.58	9.70	10.82	11.94	13.06	14.18	15.30	16.42	17.54	18.66	19.78	20.90	22.02
	1.20	0.17	0.28	0.39	0.49	0.59	0.69	0.80	0.90	1.01	1.11	1.21	1.32	1.42	1.53	1.63	1.74	1.84	1.94	2.05
	54	2.14	3.42	4.71	5.99	7.27	8.56	9.84	11.12	12.40	13.69	14.97	16.25	17.54	18.82	20.10	21.39	22.67	23.95	25.24
	1.35	0.20	0.32	0.44	0.56	0.68	0.80	0.91	1.03	1.15	1.27	1.39	1.51	1.63	1.75	1.87	1.99	2.11	2.23	2.35
	60	2.41	3.86	5.31	6.75	8.20	9.65	11.09	12.54	13.99	15.43	16.88	18.33	19.77	21.22	22.67	24.11	25.56	27.01	28.46
	1.50	0.22	0.36	0.49	0.63	0.76	0.90	1.03	1.17	1.30	1.44	1.57	1.70	1.84	1.97	2.11	2.24	2.38	2.51	2.65
	66	2.59	4.14	5.69	7.24	8.79	10.34	11.89	13.44	14.99	16.55	18.10	19.65	21.20	22.75	24.30	25.85	27.40	28.96	30.51
	1.65	0.24	0.38	0.53	0.67	0.82	0.96	1.11	1.25	1.39	1.54	1.68	1.83	1.97	2.12	2.26	2.40	2.55	2.69	2.84
	72	2.86	4.57	6.29	8.00	9.72	11.43	13.15	14.86	16.58	18.29	20.01	21.72	23.44	25.15	26.87	28.58	30.29	32.01	33.72
	1.80	0.27	0.43	0.58	0.74	0.90	1.06	1.22	1.38	1.54	1.70	1.86	2.02	2.18	2.34	2.50	2.66	2.82	2.98	3.14
	78	3.13	5.01	6.89	8.77	10.64	12.52	14.40	16.28	18.16	20.04	21.92	23.79	25.67	27.55	29.43	31.31	33.19	35.06	36.94
	1.95	0.29	0.47	0.64	0.82	0.99	1.16	1.34	1.51	1.69	1.86	2.04	2.21	2.39	2.56	2.74	2.91	3.09	3.26	3.44
	84	3.40	5.45	7.49	9.53	11.57	13.61	15.66	17.70	19.74	21.78	23.82	25.87	27.91	29.95	31.99	34.03	36.08	38.12	40.16
	2.10	0.32	0.51	0.70	0.89	1.08	1.27	1.46	1.65	1.84	2.03	2.22	2.41	2.60	2.79	2.98	3.17	3.36	3.55	3.73
	90	3.68	5.88	8.09	10.29	12.50	14.70	16.91	19.12	21.32	23.53	25.73	27.94	30.14	32.35	34.56	36.76	38.97	41.17	43.38
	2.25	0.34	0.55	0.75	0.96	1.16	1.37	1.57	1.78	1.98	2.19	2.39	2.60	2.80	3.01	3.21	3.42	3.62	3.83	4.03
	96	3.95	6.32	8.69	11.06	13.43	15.80	18.16	20.53	22.90	25.27	27.64	30.01	32.38	34.75	37.12	39.49	41.86	44.23	46.60
	2.40	0.37	0.59	0.81	1.03	1.25	1.47	1.69	1.91	2.13	2.35	2.57	2.79	3.01	3.23	3.45	3.67	3.89	4.11	4.33
	102	4.12	6.60	9.07	11.54	14.02	16.49	18.96	21.44	23.91	26.39	28.86	31.33	33.81	36.28	38.75				
	2.55	0.38	0.61	0.84	1.07	1.30	1.53	1.76	1.99	2.22	2.45	2.68	2.91	3.14	3.37	3.60				
	108	4.40	7.03	9.67	12.31	14.94	17.58	20.22	22.86	25.49	28.13	30.77	33.41	36.04	38.68	41.32				
	2.70	0.41	0.65	0.90	1.14	1.39	1.64	1.88	2.13	2.37	2.62	2.86	3.11	3.35	3.60	3.84				
	114	4.67	7.47	10.27	13.07	15.87	18.67	21.47	24.27	27.08	29.88	32.68	35.48	38.28	41.08	43.88				
	2.85	0.43	0.69	0.96	1.22	1.48	1.74	2.00	2.26	2.52	2.78	3.04	3.30	3.56	3.82	4.08				
	120	4.94	7.91	10.87	13.83	16.80	19.76	22.73	25.69	28.66	31.62	34.59	37.55	40.52	43.48	46.44				
	3.00	0.46	0.74	1.01	1.29	1.56	1.84	2.11	2.39	2.67	2.94	3.22	3.49	3.77	4.04	4.32				

PRESSURE DROP



WATER PENETRATION GRAPH

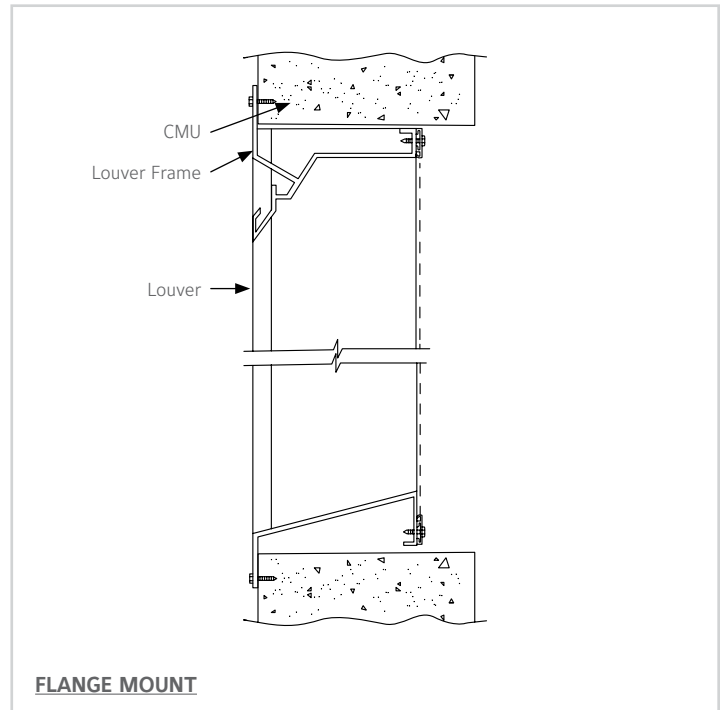
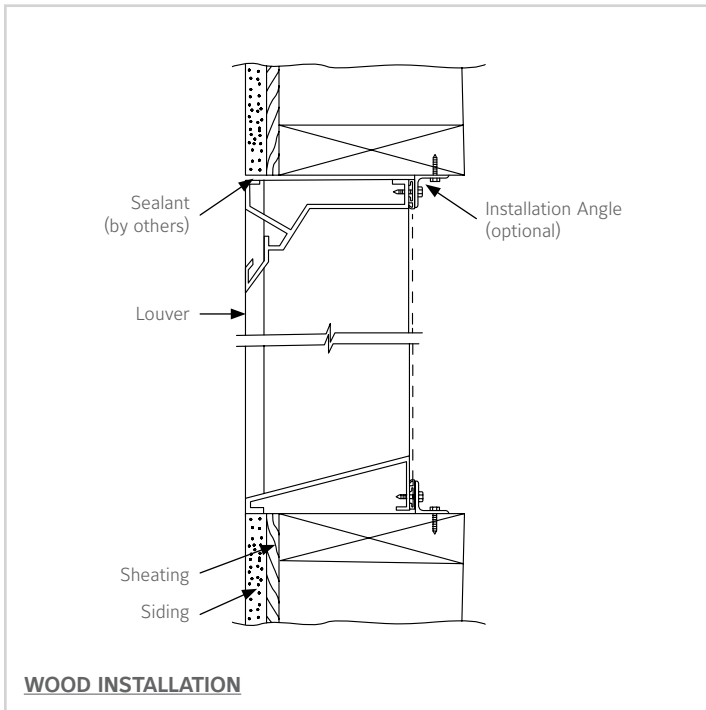
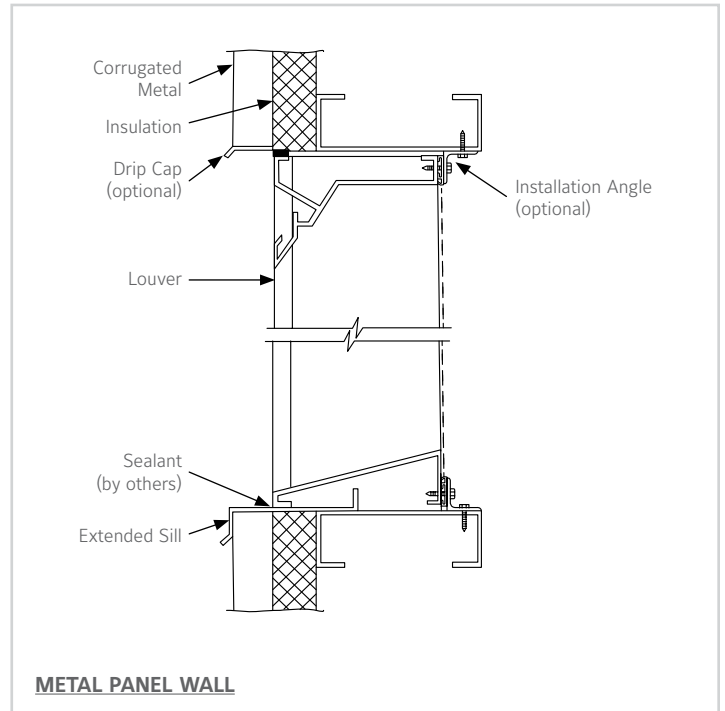
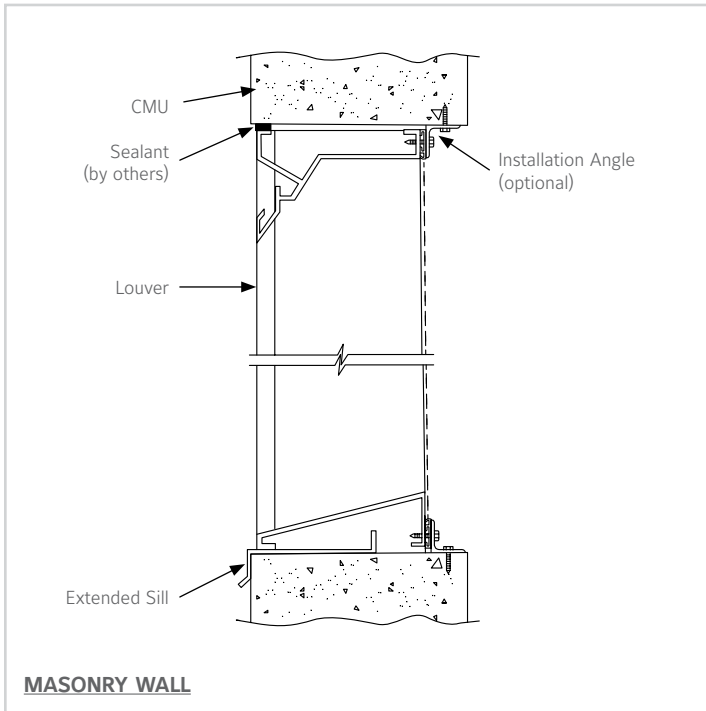


Ratings do not include the effect of a bird screen.



Reliable Products certifies that the 4375D, 4375DS and 4375D125 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.

TYPICAL INSTALLATION DETAILS



Options are available at additional cost.

Fasteners into substrate are not provided by Reliable.

SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary double drainable type entirely contained within a 4" (102) frame. Louver shall include a drain gutter in each blade and downspouts in jambs and mullions. Louver components (heads, jambs, sills, blades & 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 (3048) and shall incorporate structural supports required to withstand a wind load of 30 psf (1.44 kPa) equivalent of a 110 mph [177 KPH] wind. Specifier may substitute any loading required).

Louvers shall be Reliable Model 4375D/DS/125 extruded 6063T6 aluminum construction as follows:

- Frame: 4375D - .081" (2.1) 4375DS/125 - .125" (3.2) wall thickness.
 - Blades: 4375D/DS - .081" (2.1) 4375D125 - .125" (3.2) wall thickness at 37 1/2° angle and spaced approximately 5 3/32" (129) center to center.
 - Screen: 5/8" x .040" (16 x 1) expanded, flattened aluminum in removable frame.
 - Finish: Select finish specification from Reliable Finishes Brochure.
- Published louver performance data bearing the AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than the Reliable model specified.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Finishes and Color Guide
Limited Warranty Document



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