

# WONDER METALS CORPORATION

LOUVERS - DAMPERS - PENTHOUSES - BRICK VENTS

Fixed Blade Louver SDL-2

AMCA Standard 500-L-07 Air Performance - Pressure Drop Test



Architect/Engineer Remarks:



Project: \_\_\_\_\_

Location: \_\_\_\_\_

Architect: \_\_\_\_\_

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

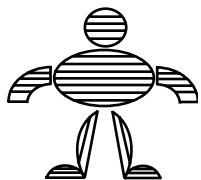
## WONDER METALS CORPORATION

***"THE LOUVER PEOPLE"***

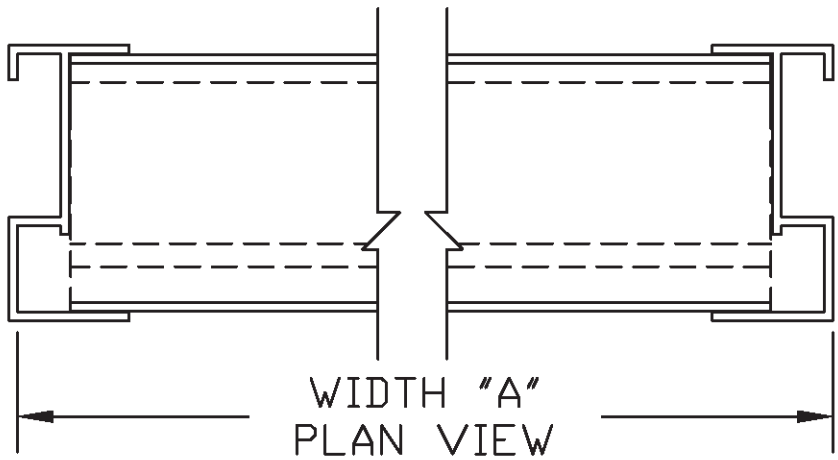
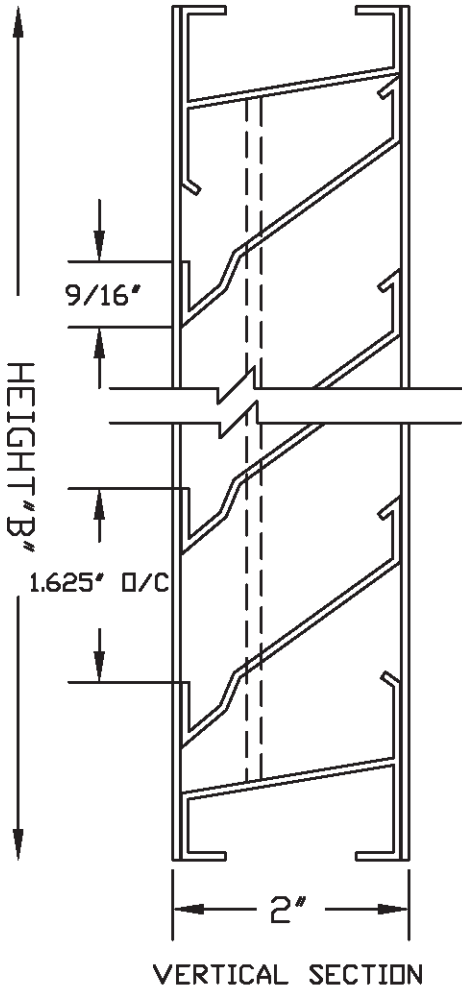
P.O. BOX 994427 REDDING, CA 96099-4427

800 336-5877

[www.wondermetals.com](http://www.wondermetals.com)



# WMC MO. SDL-2



LOUVER TO BE 16 GA GALVANIZED STEEL, ALL WELDED CONSTRUCTION FIXED DRAINABLE BLADE. MAXIMUM SINGLE SECTION SIZE NOT TO EXCEED 36" X 120" OR 30 SQUARE FEET. MULLIONS TO BE SUPPLIED WHERE WIDTH IS GREATER THAN 36". FREE AREA: 44%

AMCA 511 RESULTS  
W/P .01oz @ 1002 FPM  
P.S .15" @ 1002 FPM

ITEM	QTY.	DIMENSIONS				FINISHES		FEATURES	
		OPENING		LOUVER					
		A	B	A	B				
						<input type="checkbox"/> MILL- 304 2B <input type="checkbox"/> PRIME COAT <input type="checkbox"/> BAKED ENAMEL <input type="checkbox"/> CLEAR ANODIZED <input type="checkbox"/> COLOR ANODIZED <input type="checkbox"/> KYNAR <input type="checkbox"/> OTHER (SPECIFY)			
						SCREEN <input type="checkbox"/> INTERIOR <input type="checkbox"/> EXTERIOR  <input type="checkbox"/> 18 X 14 MESH INSECT <input type="checkbox"/> GALV. <input type="checkbox"/> 1/4" MESH BIRD <input type="checkbox"/> ALUM. <input type="checkbox"/> 1/2" MESH BIRD <input type="checkbox"/> STAINLESS <input type="checkbox"/> OTHER (SPECIFY) <input type="checkbox"/> FIBERGLASS			

PROJECT:	DATE:
LOCATION:	CONTROL NO:
CUSTOMER:	SHEET OF

PHONE ( 800 ) 366-5877                      www.wondermetals.com                      FAX ( 530 ) 241-1738

Wonder Metals Corp. certifies that the louver model SDL-2 shown herein 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 ratings and water penetration ratings only.



AMCA ratings seal applies to Air Performance and Water Penetration ratings tested in accordance with ANSI/AMCA 500-L Figure 5.5 -6.3

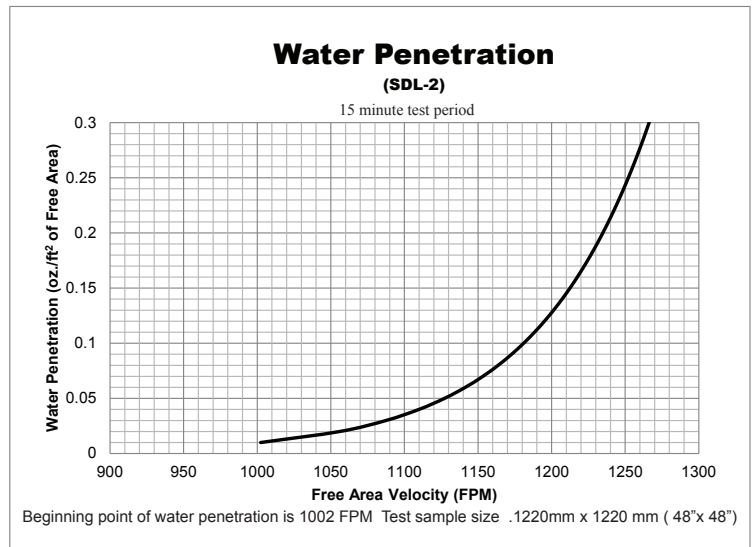
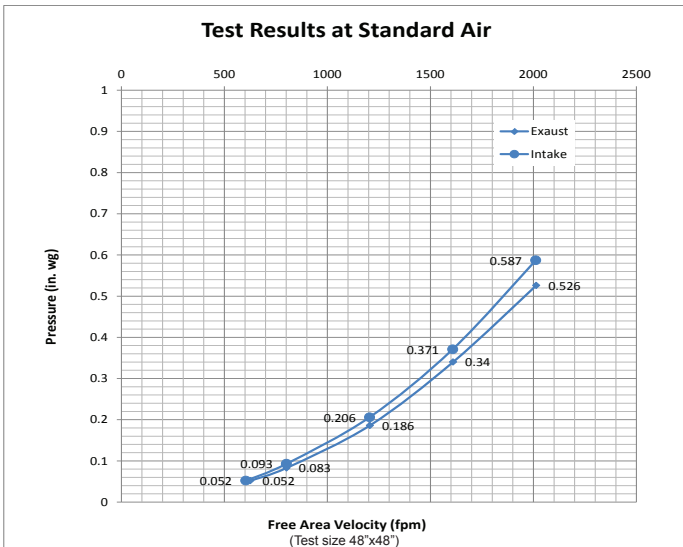
Published louver performance data bearing AMCA Certified Ratings Seal for Air Performance & Water Penetration must be submitted for approval prior to fabrication and must demonstrate pressure drop and water penetration equal to or less than WMC model specified.

		WIDTH																			
		12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	
HEIGHT	12	0.38	0.57	0.76	0.95	1.14	1.33	1.51	1.70	1.89	2.08	2.27	2.46	2.65	2.84	3.03	3.22	3.40	3.59	3.78	
	18	0.60	0.90	1.20	1.50	1.80	2.10	2.42	2.71	3.01	3.32	3.62	3.92	4.22	4.52	4.83	5.13	5.43	5.73	6.04	
	24	0.86	1.29	1.72	2.15	2.58	3.01	3.48	3.89	4.33	4.76	5.20	5.63	6.06	6.50	6.93	7.37	7.80	8.24	8.67	
	30	1.10	1.65	2.20	2.75	3.30	3.85	4.40	4.95	5.50	6.05	6.60	7.15	7.70	8.25	8.80	9.35	9.90	10.45	11.00	
	36	1.35	2.03	2.70	3.38	4.05	4.73	5.46	6.11	6.79	7.47	8.15	8.84	9.52	10.20	10.88	11.56	12.24	12.92	13.60	
	42	1.58	2.36	3.15	3.93	4.72	5.50	6.38	7.13	7.92	8.72	9.51	10.31	11.10	11.89	12.69	13.48	14.28	15.07	15.87	
	48	1.80	2.70	3.60	4.50	5.40	6.30	7.28	8.15	9.05	9.96	10.87	11.78	12.69	13.60	14.51	15.41	16.32	17.23	18.14	
	54	2.07	3.11	4.14	5.18	6.21	7.25	8.36	9.36	10.40	11.45	12.49	13.54	14.58	15.62	16.67	17.71	18.75	19.80	20.84	
	60	2.30	3.56	4.70	5.92	7.12	8.32	9.52	10.72	11.91	13.11	14.31	15.51	16.71	17.91	19.11	20.31	21.51	22.71	23.91	
	66	2.59	3.88	5.17	6.46	7.75	9.04	10.36	11.64	12.93	14.22	15.52	16.81	18.10	19.40	20.69	21.98	23.28	24.57	25.86	
	72	2.80	4.23	5.64	7.06	8.48	9.90	11.28	12.71	14.13	15.54	16.96	18.37	19.79	21.20	22.62	24.03	25.45	26.86	28.28	
	78	3.05	4.60	6.13	7.67	9.21	10.69	12.20	13.75	15.28	16.80	18.33	19.86	21.38	22.91	24.43	25.96	27.49	29.01	30.54	
	84	3.29	4.97	6.62	8.29	9.95	11.52	13.26	14.89	16.55	18.20	19.86	21.51	23.16	24.82	26.47	28.13	29.78	31.44	33.09	
	90	3.53	5.34	7.11	8.90	10.69	12.60	14.32	16.14	17.94	19.74	21.54	23.34	25.15	26.95	28.75	30.55	32.35	34.16	35.96	
	96	3.78	5.71	7.60	9.52	11.43	13.44	15.25	17.20	19.12	21.04	22.96	24.88	26.79	28.71	30.63	32.55	34.47	36.38	38.30	
	102	4.02	6.08	8.09	10.13	12.17	14.20	16.17	18.23	20.26	22.29	24.31	26.34	28.37	30.40	32.42	34.45	36.48	38.51	40.80	
108	4.26	6.45	8.58	10.75	12.91	15.06	17.23	19.38	21.54	23.70	25.86	28.02	30.18	32.34	34.50	36.66	38.82	40.97	43.13		
114	4.51	6.82	9.12	11.43	13.73	16.04	18.29	20.62	22.92	25.22	27.52	29.82	32.12	34.42	36.72	39.02	41.32	43.62	45.92		
120	4.80	7.19	9.60	12.00	14.40	16.80	19.21	21.60	24.01	26.41	28.81	31.21	33.61	36.01	38.41	40.82	43.22	45.62	48.02		

Free Area Chart

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 carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq. ft. of water penetration.



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