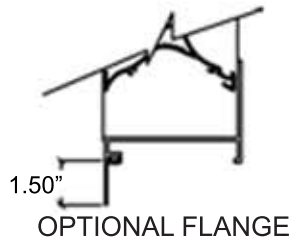
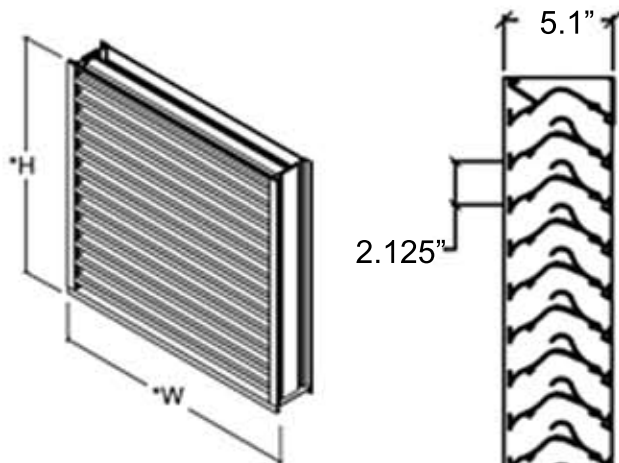




## LV-HWS-5.1-EA DRAINABLE WALL LOUVER HIGH PERFORMANCE SIGHT PROOF FIXED LOUVER



### STANDARD FEATURES:

1. Frame: .081" Extruded Aluminum 5" deep
2. Blades: .081 Extruded Aluminum on approximately 2.125" centers
3. Birdscreen: 3/4" x .051 Flattened Aluminum in removable frame. Screen is mounted as standard on inside (rear) as looking from exterior of building.
4. Finish: Mill Aluminum (std.)
5. Min. Size: 12" wide x 12" high
6. Max. Size: Factory Assembled 120" wide x 84" high or 84" wide x 120" high.

NOTE: Drainable blade louvers should be limited 10' 10' maximum section widths (no more than 10' between vertical downspouts) to enable the drainable design to function effectively.

### OPTIONAL FEATURES:

- Frame: Flanged Frame (1-1/2" std.)  
Custom Flange (1", 2", or 3")  
Extended Sill  
Filter Racks  
Security Bars  
Hinged Subframe
- Screen: Insect (Aluminum 18-16 Mesh)  
.011" (.3) Wire Diameter
- Finish: Baked Powder Polyester  
Baked Powder Fluoropolymer 70%  
Baked Powder Clear Coat  
Clear Anodize  
Integral Color Anodize
- Mounting Clips:  
(1-12"x1-1/2"x3" AL. Angle)  
For Jamb Only (Std.)

\*WxH dimensions furnished approximately 1/4" under size

MARK	QTY	LOUVER SIZE		JOB DESCRIPTION
		A' WIDTH	B' HEIGHT	

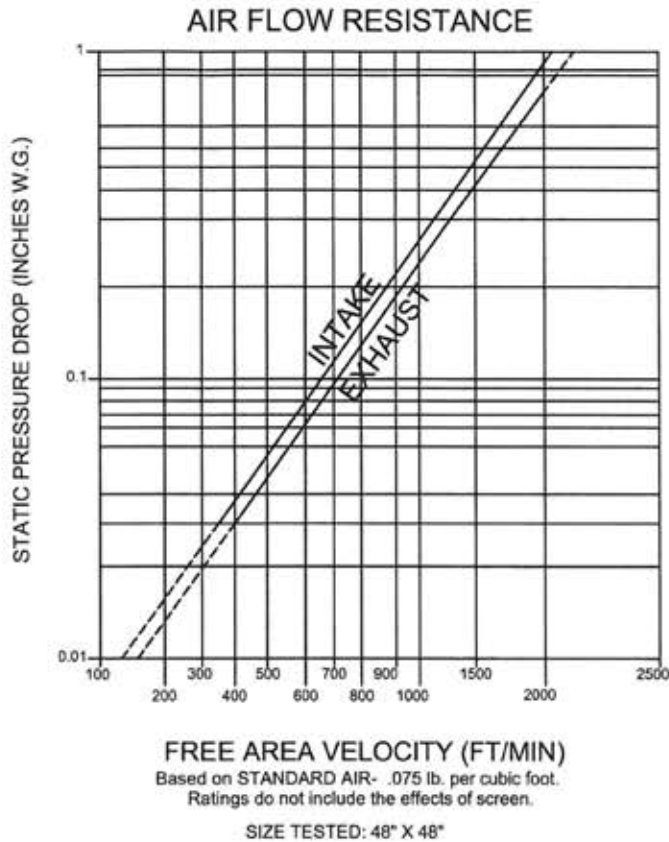


All specifications are subject to change without notice unless approved in submittal by Moffitt Corporation, Inc.

LV-HWS-5.1-EA

April 2010

## LV-HWS-5.1-EA DRAINABLE WALL LOUVER HIGH PERFORMANCE SIGHT PROOF FIXED LOUVER



Test size 1m x 1m(39"x39")core  
41 $\frac{1}{2}$ "w x 41"h Nominal(1.05m x 1.04m)

Wind Driven Rain Penetration Classes	
Class	Effectiveness
A	1 to 0.99
B	0.989 to 0.95
C	0.949 to 0.80
D	Below 0.8

* Discharge Loss Intake	
Wind Velocity (mph)	Class
29	3
50	3

* Discharge loss coefficient is the theoretical air flow of an opening divided by the actual flow rate of a louver the same size	
Class	Discharge Loss Coefficient
1	0.4 and above
2	0.3 to 0.399
3	0.2 to 0.299
4	.0199 and below

(the higher the coefficient, the less resistance to airflow)

The Beginning point of WATER PENETRATION  
lies above  
**1250 FPM**  
free area velocity at .01 oz. of water penetration

200 mm/h (8in/h) Rainfall & 32 m/s (50 mph) Wind Velocity		
Ventilation Air Core Velocity m/s (fpm)	Water Penetration Effectiveness %	*Water Penetration Classification
0.0 (0)	98.3	B
0.49 (96)	98.0	B
1.10 (217)	97.0	B
1.47 (289)	97.0	B
1.92 (378)	96.3	B
2.53 (499)	95.3	B
2.89 (570)	94.2	C
3.43 (676)	88.9	C
3.89 (766)	85.2	C

\*AMCA Classes for maximum allowable water penetrations



Moffitt Corporation certifies that the LV-HWS-5.1-EA shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511-99 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA certified ratings seal applies to water penetration, air performance, and wind driven rain.





## LV-HWS-5.1-EA DRAINABLE WALL LOUVER HIGH PERFORMANCE SIGHT PROOF FIXED LOUVER

**MODEL LV-HWS-5.1-EA FREE AREA IN SQ.FT.**

Louver Height Inches	Width - Inches									
	12	18	24	30	36	42	48	54	60	66
12	0.31	0.51	0.70	0.90	1.10	1.29	1.49	1.69	1.88	2.08
18	0.49	0.08	1.10	1.41	1.72	2.03	2.33	2.64	2.95	3.26
24	0.69	1.12	1.56	1.99	2.43	2.86	3.30	3.73	4.17	4.60
30	0.99	1.61	2.24	2.86	3.48	4.11	4.73	5.36	5.98	6.60
36	1.16	1.90	2.63	3.37	4.11	4.84	5.58	6.31	7.05	7.78
42	1.44	2.35	3.26	4.17	5.08	5.98	6.89	7.80	8.71	9.62
48	1.62	2.64	3.66	4.68	5.70	6.72	7.74	8.76	9.78	10.80
54	1.82	2.96	4.11	5.26	6.41	7.55	8.70	9.85	10.99	12.14
60	2.12	3.45	4.79	6.13	7.46	8.80	10.14	11.47	12.81	14.15
66	2.29	3.74	5.19	6.64	8.08	9.53	10.98	12.43	13.87	15.32
72	2.49	4.07	5.64	7.22	8.79	10.37	11.94	13.52	15.09	16.67
78	2.79	4.56	6.32	8.09	9.85	11.61	13.38	15.14	16.91	18.67
84	2.97	4.84	6.72	8.60	10.47	12.35	14.22	16.10	17.97	19.85
90	3.17	5.17	7.17	9.18	11.18	13.18	15.18	17.19	19.19	21.19
96	3.47	5.66	7.85	10.04	12.24	14.43	16.62	18.81	21.00	23.19
102	3.65	5.95	8.25	10.55	12.86	15.16	17.46	19.77	22.07	24.37
108	3.85	6.28	8.71	11.14	13.57	16.00	18.43	20.85	23.28	25.71
114	4.15	6.77	9.38	12.00	14.62	17.24	19.86	22.48	25.10	27.72
120	4.32	7.05	9.78	12.51	15.24	17.97	20.70	23.44	26.17	28.90

**MODEL LV-HWS-5.1-EA FREE AREA IN SQ.FT.**

Louver Height Inches	Width - Inches									
	72	78	84	90	96	102	108	114	120	
Height - Inches	12	2.28	2.47	2.67	2.87	3.06	3.26	3.46	3.65	3.85
	18	3.57	3.87	4.18	4.49	4.80	5.10	5.41	5.72	6.03
	24	5.04	5.47	5.90	6.34	6.77	7.21	7.64	8.08	8.51
	30	7.23	7.85	8.48	9.10	9.72	10.35	10.97	11.60	12.22
	36	8.52	9.25	9.99	10.72	11.46	12.19	12.93	13.66	14.40
	42	10.53	11.44	12.35	13.26	14.17	15.08	15.98	16.89	17.80
	48	11.82	12.84	13.86	14.88	15.90	16.92	17.94	18.96	19.98
	54	13.29	14.44	15.58	16.73	17.88	19.02	20.17	21.32	22.47
	60	15.48	16.82	18.15	19.49	20.83	22.16	23.50	24.84	26.17
	66	16.77	18.22	19.67	21.11	22.56	24.01	25.46	26.91	28.35
	72	18.24	19.81	21.39	22.96	24.54	26.11	27.69	29.26	30.84
	78	20.43	22.20	23.96	25.73	27.49	29.25	31.02	32.78	34.55
	84	21.72	23.60	25.47	27.35	29.22	31.10	32.97	34.85	36.72
	90	23.19	25.19	27.20	29.20	31.20	33.20	35.21	37.21	39.21
	96	25.39	27.58	29.77	31.96	34.15	36.34	38.53	40.73	42.92
	102	26.67	28.98	31.28	33.58	35.89	38.19	40.49	42.79	45.10
108	28.14	30.57	33.00	35.43	37.86	40.29	42.72	45.15	47.58	
114	30.34	32.96	35.58	38.19	40.81	43.43	46.05	48.67	51.29	
120	31.63	34.36	37.09	39.82	42.55	45.28	48.01	50.74	53.47	





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## **LV-HWS-5.1-EA HIGH PERFORMANCE SIGHT PROOF FIXED LOUVER GUIDE SPECIFICATION**

### **1.1 DESCRIPTION:**

Furnish and install LV-HWS-5.1-EA Stationary Aluminum Drainable Wall Louver with accessories as shown on the drawings.

### **1.2 QUALITY ASSURANCE:**

MOFFITT (Jacksonville, FL, 1-800-474-3267) Products establish the standard of quality required. Manufacturer and erector shall demonstrate a minimum of five (5) years of related industry experience.

### **1.3 SUBSTITUTIONS:**

No substitutions will be considered unless written request for approval has been submitted by the bidder and has been received by the designer at least ten (10) days prior to bid date. Any proposed substitutions should meet the standards set by the specification.

### **1.4 SUBMITTALS:**

Furnish approval drawings prior to fabrication and erection drawings prior to shipment showing all erection procedures and accessories required for the specified product.

### **2.1 DESIGN**

The LV-HWS-5.1-EA Stationary Aluminum Drainable Wall Louver shall be designed to withstand 30 psf windload. The installer shall provide structural support as required to meet wind load.

Blade style to be drainable. The louver free area, water penetration and pressure drop levels shall meet or exceed those of the specified louver. The maximum louver assembled panel shall be 84" wide x 120" high for single section. Larger sizes to be field assembled. Frame to be channel frame design.

### **2.2 MATERIALS**

The LV-HWS-5.1-EA Stationary Aluminum Drainable Wall Louver frame shall be fabricated from extruded aluminum material .081" thick x 5" deep. Blades shall be .081" thick 6063-T5 extruded aluminum. Extruded Aluminum blades positioned at approximately 2.125" on centers. Louver to be mill finish and factory assembled.

### **2.3 ACCESSORIES (Select as required)**

The louvers shall be equipped with 3/4" mesh x .051" flattened aluminum birdscreen in a removable Frame installed on the rear (inside) of the louver.

Louver to have Flanged Frame (1-1/2" std.)

Louver to have Custom Flange (1", 2", or 3")



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## **LV-HWS-5.1-EA HIGH PERFORMANCE SIGHT PROOF FIXED LOUVER GUIDE SPECIFICATION**

### **2.3 ACCESSORIES –continued**

Louvers to have Extended Sill.

Louvers to have Filter Frames for \_\_\_\_\_” Filters.

Louvers to have Security Bars. \_\_\_\_\_” x \_\_\_\_\_” on \_\_\_\_\_” centers.

Louvers to have Hinged Sub-frame

Louvers to be Welded Construction (Wind Load 50 psf)

Louvers to have Insect Screen – 18-16 Mesh

Louvers to have Baked Powder Polyester Coating

Louvers to have Baked Powder Fluoropolymer 70% Coating

Louvers to have Baked Powder Clear Coat

Louvers to be Clear Anodized

Louvers to be Integral Color Anodized

Louvers to have mounting clips (1-1/2” x 1-1/2” x 3” A.L. Angle for Jambs only

### **PART 3 – EXECUTION:**

#### **3.1 INSPECTION**

Examine alignment of structural steel prior to installation and do not proceed until structure is within tolerances established by AISC.

#### **3.2 INSTALLATION AND ERECTION:**

Install LV-HWS-5.1-EA Stationary Aluminum Drainable Wall Louvers and accessories in conformance with approved drawings and Moffitt specifications.

#### **3.3 DAMAGED MATERIAL:**

Repair or replace all damaged material