1

For Pre-bid Substitution Requests all text boxes on this form are required information for a complete request.

		Substitution Request						
Today's Date: 06/11/202		24						
Project Title: Warner		Park Community	Recreation Center Expansion					
Project Number:		Contract I	Number: 9502					
By completing and submitting this form for review the General Contractor affirms that all of the following statements are correct:								
1 The General Contractor affirms that this request is in compliance with the requirements described in Specification 01 25 13								
	Product Substitution Procedures.  The function, appearance, and quality of the proposed substitution are equal or superior to the specified item.							
3 The propos	The proposed substitution does not affect dimensions shown on the drawings.							
	The proposed substitution will have no adverse affects on other trades, the construction schedule, or any specified warranty requirements.							
	Maintenance and service parts will be locally available for the proposed substitution. (GC shall provide supporting documentation							
in the attachments section below.) 6 The General Contractor shall be responsible for any and all costs associated with this substitution request if approved. This includes but is not to limited to fees for building design, engineering design fees, detailing fees, plan review fees, construction costs, and inspection fees.								
GC Substitution Request:								
General Title:		Fixed Louvers						
Related Specification:		08 91 19						
Reason for Substitution:		This product we believe is equivalent to the current Basis						
		of Design.						
Proposed Substitu	ution: de Name, Model, etc.)	5WDRL-HP Stationaryywind Driven Rain Resistant						
,		Louver by Air Performance.						
Submitted By:			Phone:					
Clint Van Sambeek			715-598-5714					
Company:			Email:					
Miron Construction			clint.vansambeek@miron-construction.com					

**END OF SECTION** 

P.O. Box 86 159 Genco Drive Hartford, AL 36344 Phone: (334) 588-0070

Fax: (334) 588-0071

## **5WDRL-HP STATIONARYYWIND** DRIVEN RAIN RESISTANT LOUVER

#### STANDARD CONSTRUCTION:

Front Frame: 5" deep, 6063-T6 Extruded aluminum 0.080" Nominal

wall thickness

Front Blade: 6063-T6 Extruded aluminum 0.065" Nominal wall

thickness double drainable, sight-proof blades spaced on

approximately 2.125" Centers

Birdscreen: .500" woven .062 bird screen , aluminum bird screen in

removable frame. Screen will add approximately 1/2" to

the depth of the louver.

Finish: MILL

Minimum Size: 12"W x 12"H

Maximum Single Section: 120"W X 84"H or 84"W X 120"H Louvers

exeeding max single section size will be built in multiple sections and require field assembly.



#### **Options**

- ☐ Flanged Frame 150" 38mm std.
- ☐ Custom lange 1", 2", or 3" 25mm, 51mm, or 6mm
- ☐ Extended Sill
- ☐ Insect bird Screen other screens a ailable, see screen page
- ☐ Filter Racks no screen
- ☐ Security Bars
- ☐ Blank-off, Alum., non-insulated, no screen, non-removable
- ☐ Blank-off, Alum., non-insulated, with bird or insect screen.
- ☐ Blank-off, Alum., insulated double wall, with birdscreen.
- ☐ Blank-off, Alum., insulated double wall, no screen

#### Air Performance certifies that the 5WDRL shown herein is approved to bear the AMCA Listing Label. The rating shown are based on test and procedures performed in accordance with AMCA Publication and comply with the requirements of the AMCA listing label apples to Wind Borne Debris Imapact Resistant Louvers and Rain Resistant Louvers

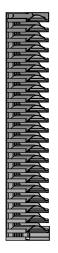


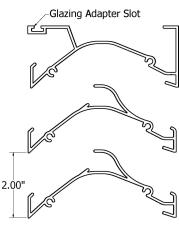


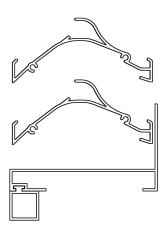
#### **Available Finishes**

- □ Baked Enamel
- ☐ Kynar
- □ Prime Coat
- ☐ Clear and Color Anodi ed.

Anodized color inconsistency is possible







Glazing Adapter Option Other glazing adapters available

\*Width and Height dimensions are approximately 1/4" under listed size.

### **5WDRL-HP PERFORMANCE DATA SHEET**



Air Performance certifies that louver shown herein is licensed to bear the AMCA Seal. 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, water penetration, and wind-driven rain ratings only.

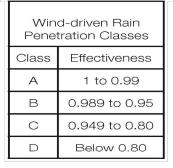
#### WIND-DRIVEN RAIN PERFORMANCE

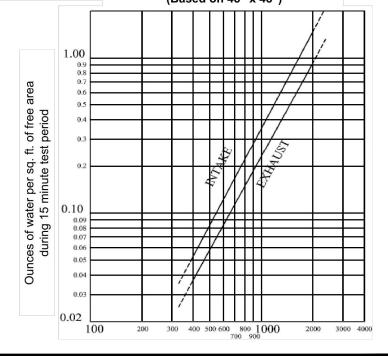
Test size is 39.375" x 39.375" Core Area

Wind Velocity (mph)	Rain Fall Rate (in./hr.)	Core Velocity fpm	Airflow cfm	Free Area Velocity fpm	Effectiveness Ratio	Class	Discharge Loss Class
29	3	593	6387	1150	99.3	Α	3
29	3	993	10695	1925	85.6	С	3

Discharge	Discharge Loss Coefficient Classifications				
Class	Discharge Loss Coefficient				
1	0.4 and Above				
2	0.3 to 0.399				
3	0.2 to 0.299				
4	0.199 and Below				

PRESSURE DROP (Based on 48" x 48")





# 5WDRL-HP FREE AREA CHART (Free Area Chart shows free area in ft<sup>2)</sup>

#### **LOUVER WIDTH IN INCHES** 102 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 108 114 120 12 0.29 0.82 1.18 0.47 0.65 1.00 1.36 1.54 1.71 1.89 2.07 2.25 2.43 2.61 2.78 2.96 3.14 3.32 3.50 18 0.53 0.85 1.18 1.50 1.83 2.15 2.48 2.80 3.13 3.45 3.78 4.10 4.43 4.75 5.08 5.40 5.73 6.05 6.38 24 0.79 1.77 2.25 2.74 3.23 3.72 4.69 5.67 6.15 6.64 7.13 7.62 8.10 8.59 9.08 9.57 1.28 4.20 5.18 30 1.06 1.71 2.36 3.01 3.66 4.31 4.96 5.61 6.26 6.91 7.56 8.21 8.86 9.51 10.16 10.81 11.46 12.11 12.76 36 1.30 2.10 2.90 3.70 4.50 5.30 6.10 7.70 8.50 9.30 10.10 10.90 11.70 12.50 13.30 14.10 14.90 15.70 6.90 42 1.54 3.43 4.38 5.33 6.27 7.22 9.11 10.06 11.01 11.95 12.90 13.85 14.79 15.74 16.69 17.64 18.58 2.49 8.17 1.78 3.96 5.06 6.15 7.25 8.34 9.43 10.53 11.62 12.72 13.81 14.90 16.00 17.09 18.18 19.28 20.37 21.47 2.87 INCHES 2.02 3.27 4.52 5.76 7.01 8.25 9.50 10.75 11.99 13.24 14.48 15.73 16.97 18.22 19.47 20.71 21.96 23.20 24.45 60 2.29 3.70 5.11 6.51 7.92 9.33 10.74 12.15 13.56 14.96 16.37 17.78 19.19 20.60 22.01 23.41 24.82 26.23 27.64 21.37 22.94 11.96 19.81 24.51 30.79 2.55 4.12 5.69 7.26 8.82 10.39 13.53 15.10 16.67 18.24 26.08 27.65 29.22 Z 2.79 6.23 7.94 9.66 11.38 13.10 16.53 18.25 19.97 21.69 23.40 25.12 26.84 28.56 30.28 33.71 HEIGHT 72 4.51 14.82 31.99 4.89 6.76 8.62 10.49 12.35 14.22 17.95 19.81 21.68 23.54 25.41 27.27 29.13 31.00 34.73 36.59 3.03 16.08 32.86 84 7.28 9.29 11.30 13.31 15.32 19.34 21.35 23.36 25.37 27.38 29.39 31.40 33.41 35.42 37.43 39.44 3.27 5.27 17.33 **-OUVER** 40.35 90 5.69 7.85 10.02 12.19 14.35 16.52 18.69 20.85 23.02 25.19 27.35 29.52 31.69 33.85 36.02 38.19 42.52 3.52 8.44 10.77 13.10 15.43 22.42 24.75 96 3.78 6.11 17.76 20.09 27.08 29.41 31.73 34.06 36.39 38.72 41.05 43.38 45.71 102 4.04 9.01 11.49 13.97 16.46 18.94 23.91 26.40 28.88 31.37 33.85 36.33 38.82 41.30 43.79 48.76 6.52 21.43 46.27 108 4.28 6.91 9.54 12.17 14.80 17.43 20.06 22.69 25.33 27.96 30.59 33.22 35.85 38.48 41.11 43.75 46.38 49.01 51.64

26.74 29.52

28.15 31.08

22.30

25.23

16.45 19.38

32.30 35.07 37.85 40.63 43.41

34.00 36.93 39.85 42.78 45.70 48.63

46.19 48.97

51.55

51.74

54.48

54.52

57.40

114

120

4.51 7.29 10.07

4.75 7.68

12.85 | 15.63 | 18.41 | 21.18 | 23.96

13.53

10.60