Date: June 29, 2023

RE: Crestwood North Park, PR2102 – Request for information

Thank you for your interest in the Village's project. Highlighted responses to requests for information are listed below. Please note the list is a compilation of questions submitted from multiple Contractors and Suppliers.

Previous RFI responses and addenda can be viewed at: http://www.royalpalmbeachfl.gov/rfps

Sincerely,

Christopher Marsh, P.E.
Village Engineer
Office: (561) 790-5131
Village of Royal Palm Beach
Engineering Department
1050 Royal Palm Beach Boulevard
Royal Palm Beach, FL 33411
cmarsh@royalpalmbeach.com

From: Willard Grummert <grummert@gmail.com>
Sent: Monday, June 5, 2023 3:36 PM
To: Jacqueline Davy <JDavy@royalpalmbeachfl.gov>
Cc: Jeffrey Grummert <jeff@aroundfloridainc.com>
Subject: Re: Crestwood North Park

RFI #1
1 -Good Afternoon Jacqueline--Received, thank you. We're interested in bidding the GFRC Column Covers shown on the Pavilion and Restrooms. Page A1.1 shows the Pavilion columns and refers to Page A1.3 for cuts through the column covers. There was no Page1.3 in the set of drawings you sent to me. Please investigate and get us access to Page A1.3. Thank you.

The column section is on sheet A3.0, detail 2.

Date: June 12, 2023

From: Josh Della-Pietra <Josh@RDPConst.com>
Sent: Thursday, June 8, 2023 1:47 PM
To: Tim DeLand <tdeland@royalpalmbeachfl.gov>
Subject: RFI - Crestwood North Park

RFI #2

1. The plans show 2 hexagon shelters, 1 octagon and 1 rectangular. Sheet A1.1 shows specs on the hexagon and rectangular, but not on the octagon. Should we assume similar roof angles and entry heights for the octagon?
   Sheet 1 of 10 lists the rectangle Shelter as Pavilion A, octagon shelter as Pavilion B and the hexagon shelters as Pavilion C. Sheet A1.1 lists the rectangle shelter as Pavilion B and the hexagon as Pavilion C, but does not show the octagon shelter or a designated Pavilion A.

Refer to the Addendum 2 drawings and Appendix D.

RFI #3

2. - Door schedule sheet A3.0 calls out to refer to Specifications section 08710 for hardware. Please post or email the hardware specs so we can price accordingly.
   - Door type A calls for Aluminum louver in door. Advise aluminum louver manufacturer with valid hurricane component test that can be used in a Hollow Metal door. Otherwise, Windstorm louver component tested will be STEEL per HM door Product approval (not aluminum).

Owner to provide project specifications (Project Manual).
Door louver to be HM not aluminum.

RFI #4

3. Will equals need to be reviewed before bid time. This pertains to the site furnishings.

Yes. Substitutions require review, by Owner, prior to bid

From: Karl Severance <karl.severance@cooperlighting.com>
Sent: Friday, June 9, 2023 10:18 AM
To: Tim DeLand <tdeland@royalpalmbeachfl.gov>
Subject: RE: RFI - Crestwood North Park

RFI #5

The bid documents reference an owner direct purchase of Musco Sports Lighting via a cooperative procurement contract. Is the Village of RPB entertaining other lighting systems that can be purchased via cooperative procurement as well? If so, since this purchase would be outside of the rest of the project, we'd like the opportunity to meet with you to discuss the project, our product offering, and how we meet project requirements.

The Village is not interested in the lighting systems to be purchases by cooperative procurement at this time.

From: Thomas Addoms <TAddoms@gatordock.com>
Sent: Wednesday, June 7, 2023 3:36 PM
To: Clerk's Office <Clerks_Office@RoyalPalmBeach.com>
Subject: Crestwood North Park - PR2102 - Request Approved Equal - Royal Palm Beach

RFI #6

please confirm the correct size:
C4/C18 call out 3x46'
C12/C19 call out 3x29'

The gangway length should be 43.5', see Addendum 2.

RFI #7

I would like to request Gator Dock and Bridge be approved equal for the commercial grade gangway

Gator dock may be used as an approved equal provided the products meet the specifications.

Date: June 14, 2023

From: D S <ds@artisankraft.com>
Sent: Tuesday, June 13, 2023 10:29 PM
To: Jacqueline Davy <Jdavy@royalpalmbeachfl.gov>
Subject: Crestwood North Park

RFI #8

While reviewing the bid documents, I came across an RFI that mentioned the column covers as GFRC. The plans are specifying these to be metal. Can you please provide clarification on the required material?

Note W10 intent is that the steel column to be wrapped with a preformed cover, Model Westminster K86 by Poligon.

Date: June 20, 2023

From: Josh Della-Pietra <Josh@RDPConst.com>
Sent: Thursday, June 15, 2023 2:23 PM
To: Tim DeLand <tdeland@royalpalmbeachfl.gov>
Subject: Crestwood North Park - RFI

RFI #9
- We need to establish the correct Safety Foam size for the CFH as there is different areas.
- 1" Safety Foam will achieve a 5' CFH please advise if 1" that is called out for will need to be changed.
- For a 10' CFH we should have 3" Safety Foam with rubber infill. Please advise

Yes, confirmed with Miracle of SF (Jack Dzoba) and Forever lawn (Bill Ryan). 3" Safety Foam over rock base throughout. Please see addendum 2.

RFI #10

- Will we transfer different Safety Foam sizes to match changing CFH, or use the highest CFH Safety Foam size for whole project

The CFH is 10’ confirmed with Jack Dzoba from Miracle of South Florida. Use the highest CFH Safety Foam size (3”) per addendum 2.

From: Josh Della-Pietra <Josh@RDPConst.com>
Sent: Friday, June 16, 2023 8:03 AM
To: Tim DeLand <tdeland@royalpalmbeachfl.gov>
Subject: Crestwood North Park - RFI's Plumbing Fixtures

RFI #11

Lav - Trueform Concrete. See the attached. I need the Arch/Eng to select the different options. No faucet information was provided. I need Brand, model and finish.

The faucet shall be American Standard Innsbrook Selectronic Model No. 605B.204-PK00.HAC. Lav brand and model on drawings. The color will be from their "Standard Classic" selection.

RFI #12

WC - I need the flush valve information. (Brand & Model)

Note No. 19 on sheet P-1 specifies the flush valve as Sloan 140-ESS-1.28 Sensor type flush valve

RFI #13

UR - I need the model number for the urinal. I also need the information for the flush valve.

The Urinal is called out as American Standard Pintbrook in the plumbing schedule on sheet P-1. Note No. 20 on sheet P-1 specifies the flush valve as Sloan 195-ESS-1.0 Sensor type flush valve.

RFI #14

FD - Missing information. I need Brand, Model and finish.

The Floor Drain is called out on detail 4/P-1 on sheet P-1. Note No. 9 on sheet P-1 specifies the floor drain as JR Smith 2110-B with Cast Iron Bar Grate.
Attached are cut sheets for these items.

Date June 21, 2023

From: Josh Della-Pietra <Josh@RDPConst.com>
Sent: Tuesday, June 20, 2023 7:25 AM
To: Tim DeLand <tdeland@royalpalmbeachfl.gov>
Subject: Crestwood North Park - RFI

RFI #15

Is there a chance the bid date can be extended as the advertisement said the drawings would be available on May 18th, 2023 which we applied for but was not provided the bid docs. until May 31st, 2023. I am asking as a few my vendors have asked.

The bid date was extended via addendum 1.

RFI #16

Sheet C-19 Ladder detail calls for 8' boat bumpers. Is this only at the ladder location?

There are a total of six 8' bumpers. Two at each ladder location.

Date June 22, 2023

From: Josh Della-Pietra <josh@rdpconst.com>
Sent: Tuesday, June 20, 2023 5:16 PM
To: Tim DeLand <tdeland@royalpalmbeachfl.gov>
Subject: Crestwood North Park - RFI Play Ground Equipment Equal Approval for Bid

RFI #17

1. **Playground equipment** – the Village will purchase the equipment directly from the manufacturer, see addendum 2

2. **Cantilever shade structure proposed in the play area** – the Village will purchase the shade structure materials directly from the manufacturer, see addendum 2
3. **Pavilion A (20' x 44')** – – the Village will purchase the pavilion materials directly from the manufacturer, see addendum 2
4. **Pavilion C (20')** – the Village will purchase the pavilion materials directly from the manufacturer, see addendum 2
5. **Site Furnishings** –
   a. **Camp Grill surface mount** – by myTCOAT is an equal to originally specified. Note – the color (black) of the grill to be matched as originally specified.
   b. **Two sided pedestal bench** – by myTCOAT is an equal to originally specified. Note – the color (black) of the grill to be matched as originally specified.

From: Josh Della-Pietra <Josh@RDPConst.com>
Sent: Monday, June 26, 2023 11:00 AM
To: Chris Wax <cwax@RoyalPalmBeachfl.gov>
Cc: Christopher Marsh <CMarsh@RoyalPalmBeach.com>
Subject: Crestwood North Park - Pre-Bid Meeting Min.

RFI #18

Will the contractor include all permit fees including his vendors permit fees in his bid?

The Owner will reimburse the contractor for permit fees from the following agencies: Royal Palm Beach; Florida Power & Light; Palm Beach County Water Utilities; Palm Beach County Health Department; Florida Department of Environmental Protection. The contractor shall be responsible for all labor, materials, asbuilt documentation, and coordination required to initiate and finalize all permits required to complete the project in accordance with local, state, and federal requirements.

Date: June 27, 2023

From: Limreal Blanc <Lblanc@waypointci.com>
Sent: Tuesday, June 27, 2023 9:40 AM
To: Adamo DiSisto <adisisto@royalpalmbeach.com>
Subject: CRESTWOOD NORTH PARK

RFI #19

1. We are submitting the following documents for Classic Recreation for the request for substation for the proposed park pavilions. Can the Village of Royal Palm Beach please review and provide response of acceptance or rejection? See attached.

See addendum 2

2. We have reviewed the Bid Documents and there is no time stipulated for the project completion in time for substantial and final completion. Can the Village please provide a completion time for the project?

Please see page IB-11 and 12, Section 4.1.12
"The contractor is required to bid the number of days necessary to complete the work. The owner may award the contract to the contractor with the lowest adjusted bid. The lowest adjusted bid will be determined by multiplying the value of the liquidated damages by the difference in the number of days the contractor bid compared to the average of all the days bid then subtracting or adding that value to the bid value depending if the contractor bid more than the average or less than the average number of days necessary to complete the work."

RFI# 19

From: Josh Della-Pietra <Josh@RDPConst.com>
Sent: Thursday, June 29, 2023 1:09 PM
Subject: Crestwood North Park - RFI'S

- 1) The wall louvers on sheet A1.0 at the Restroom bldg.. say to refer to Mech. Drawings. Could this be provided?
  See the attached louver shop drawing, it meets the contract specifications

- 2) Could you provide specifications for the approved metal roof system at the restroom building.
  See section 074130 Metal Roof Panels in the specifications.

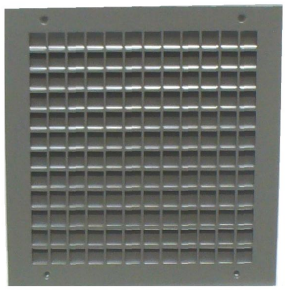
-
- 3) In the addendum #2 there are notes about the bid schedule. ***** under item 750.013. Could you clarify this is correct? Yes, it is correct

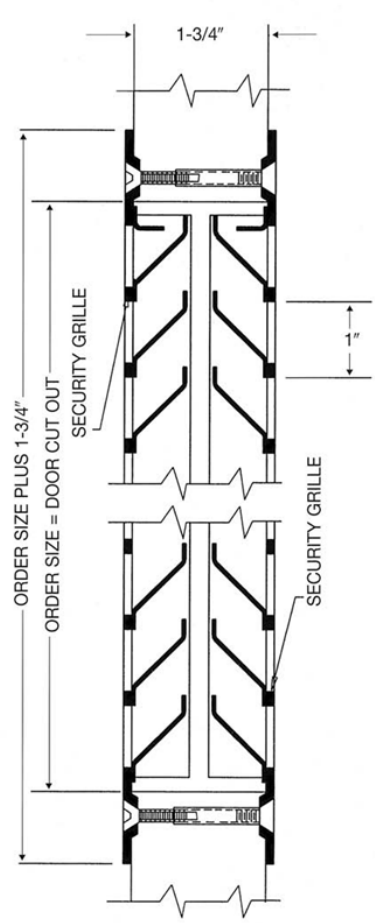
- 4)Under addendum #2 there is a note on the shop drawings of the pavilions about T & G Decking that the owner will purchase and the contractor will install. Is this correct? Yes

HM DOOR LOUVER

L14 HURRICANE RATED Y-BLADE LOUVER: 1500AHR™

Inverted "Y" Blades with Security Grille Meets up to 350 ft lb Impact Rating for Severe Windstorm Rating.
Electro-Galvanized Finish Provides Weatherproof Finish for Exterior Applications.





SPECIFICATIONS:

Material:	18 gauge CRS frame and blades; 12 gauge CRS security grille. Minimum size 6" X 6", Maximum size 24" x 64"
Construction:	**Louvers:** 2 rows of Inverted, split "Y" blades with 1" blade spacing are attached to welded frame with by interlocking construction. Non-vision design. **Security Frame:** Security grille is welded to interior and exterior of louver with 13/16" square openings 1" on center. Thru-bolted to door.
Door:	1-3/4". **Door cutout = order size.**
Fasteners:	#8-32 Phillips head thru-bolts with blank head one side.
Finish:	Standard Electro-Galvanized base with Powder Coat Finish. ____ **(B)** Mineral Bronze (standard color) _X_ **(G)** Gray _ _ **(BK)** Black ____ **(FBK)** Flat Black ____ **(W)** White ____ **(SB)** SC Beige ____ **(SI)** Silver _ _ **(S)** Sand _ _ **(AB)** AMS Beige ____ **(BRA)** Brass **Color Samples Online**
Free Flow Area:	40% free area.

OPTIONAL FEATURES AT AN ADDITIONAL COST:

Fasteners:	__ _ Torx ____ Other: _____
Screen:	__ __ 18 -14 mesh insect screen installed between the 2 louvers _____ Aluminum ____ bronze _____fiberglass ____ stainless _____ Bird Screen
Custom:	Custom sizes, other door thicknesses— contact customer service..

LISTINGS & RATINGS:

Intertek

1500A-HR Listed Severe Windstorm Approved Louver
Tested in Accordance with:
ASTM E330, ASTM E1996, ANSI A250.13
TAS 203, 201, 202, ASTM E 1886
Impact (ft lb) 350
DP Rating (PSF) 60
Florida Building Code Approval File # FL13341

Order Format: 1500AHR 20" 12" MATCH DOOR
Example: 1500AHR 2464B W H Color

STOCK ITEM
FROM FL WAREHOUSE—
FOR NEXT DAY SHIPMENT

AIR LOUVERS ACTIVAR INC. CONSTRUCTION PRODUCTS GROUP

Distributor:	**Width:** _____ **x Height:** _____
Architect:	**Quantity:**
Contractor:	**Model:**
Project:	**Date:** **Version:** ALPDS1901

800-554-6077 QUOTES@ACTIVARCPG.COM ORDERS@ACTIVARCPG.COM SALES@ACTIVARCPG.COM FAX: 952-835-2218
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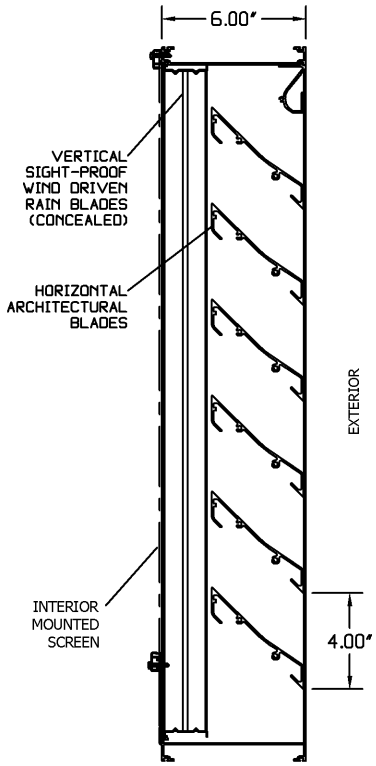
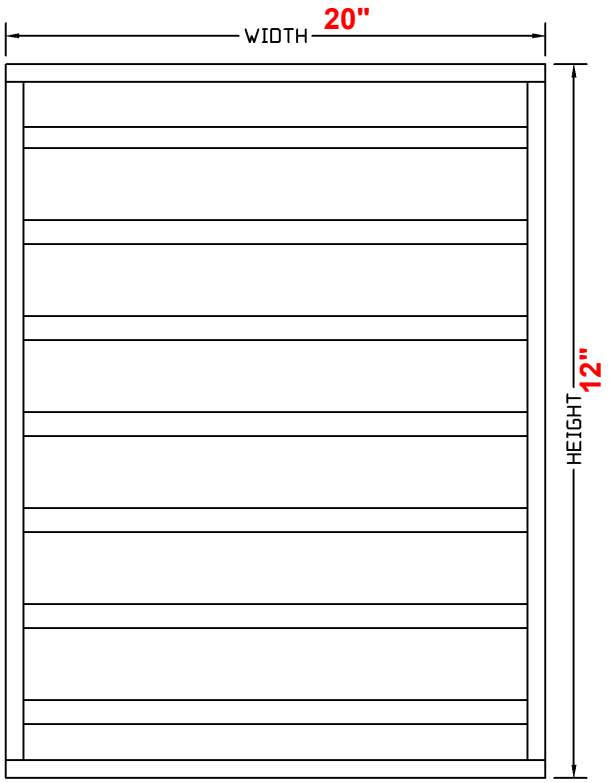
WALL LOUVER

E6WF - 6" DEEP HURRICANE DUTY WIND DRIVEN RAIN EXTRUDED ALUMINUM STATIONARY LOUVER



SECTION VIEW



ELEVATION VIEW

BLADE - 0.081" THICKNESS TYPE 6063-T5 EXTRUDED ALUMINUM

FRAME - 0.081" THICKNESS TYPE 6063-T5 EXTRUDED ALUMINUM

WIND LOAD - DESIGNED FOR HURRICANE FORCE WINDS

MINIMUM SIZE - 12" WIDE X 12" HIGH

MAXIMUM SIZE - 96" WIDE X UNLIMITED HIGH OR UNLIMITED WIDE X 120" HIGH

MAXIMUM PANEL SIZE: 60" WIDE X 120" HIGH OR 96" WIDE X 60" HIGH

OPTIONS:

MOUNTING FOR VARIOUS OPENING TYPES (SEE FRAME STYLES BELOW)

ARCHITECTURAL SHAPES (SEE SPECIAL SHAPES TECH SHEET)

HIGHER WIND LOAD RATINGS

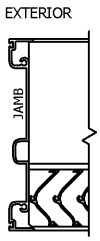
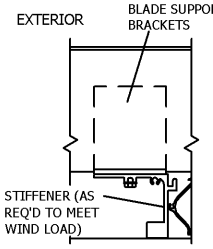
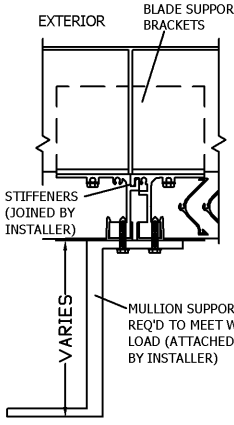
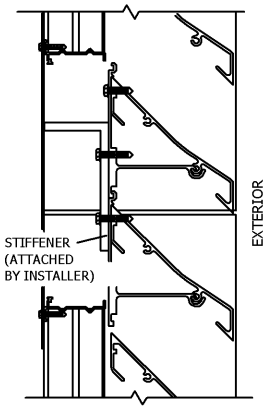
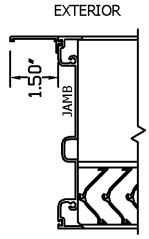
ARCHITECTURAL FINISHES

VARIOUS SCREENS

NOTE: PAINT TO MATCH ADJACENT WALL

MIAMI-DADE COUNTY, FL APPROVAL: NOA# 20-0630.18 EXPIRES 10/31/2023

FLORIDA CERTIFICATE OF APPROVAL: # FL16827

CONSTRUCTION	FRAME STYLE *	STIFFENER	VERTICAL MULLION (MULTIPLE PANELS WIDE)	HORIZONTAL MULLION (MULTIPLE PANELS HIGH)
STANDARD	 CHANNEL "C" FRAME	 BLADE STIFFENER	 HIDDEN	 HIDDEN
OPTIONAL	 FLANGE "F" FRAME			

ARCHITECTURAL LOUVERS

266 W Mitchell Ave - Cincinnati, OH 45232
PH: (888) 568-8371 Fax: (888) 568-8370

PROJECT			
CONTRACTOR			
ARCHITECT			
DRAWN BY: JRR	DATE: 09/2020	DRAWING TYPE: TECHNICAL SHEET	DRAWING TITLE: E6WF

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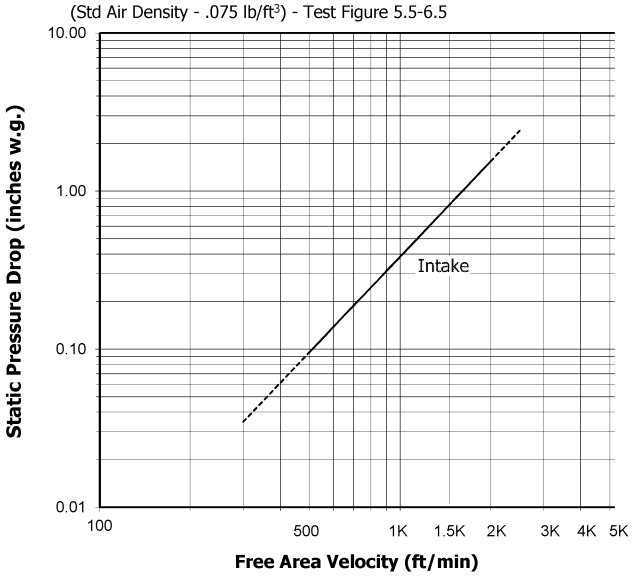
Harray, LLC dba Architectural Louvers

MODEL: E6WF Louver Performance Data

The Architectural Louvers Model E6WF is tested in accordance with AMCA 500-L Laboratory Methods of Testing Air Louvers for Rating. The data presented are the results of these tests. Tested louver size is 48" wide x 48" high (unless noted otherwise) and does not include the effects of bird screen.

Airflow Resistance

(Std Air Density - .075 lb/ft^3) - Test Figure 5.5-6.5



Architectural Louvers certifies that model E6WF louver 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 wind driven rain ratings only.

Model: E6WF resistance to airflow
Free area velocities (shown left) are higher than average core, face or duct velocity. See louver application information.

Wind Driven Rain Test per AMCA Standard 500-L-99, Figure 5.11 Setup Performance.
Test Louver Size 40.87" W x 40.87" H (1m x 1m Core Size).

	Wind Velocity (mph)	Rain Fall Rate (in. / hour)	Core Velocity (fpm)	Airflow (cfm)	Louver Free Area Velocity (fpm)	Water Penetration Effectiveness (Percentage)	Water Penetration Classification Rating
29 MPH Wind Velocity and 3" Rainfall Rate	29	3	0	0	0	100.0	A
	29	3	132	1417	249	100.0	A
	29	3	197	2117	372	100.0	A
	29	3	287	3092	544	100.0	A
	29	3	380	4092	720	100.0	A
	29	3	472	5083	894	100.0	A
	29	3	587	6317	1111	99.9	A
	29	**3**	**680**	**7323**	**1288**	**99.9**	**A**
50 MPH Wind Velocity and 8" Rainfall Rate	50	8	0	0	0	100.0	A
	50	8	96	1028	181	100.0	A
	50	8	194	2093	368	100.0	A
	50	8	284	3055	537	100.0	A
	50	8	400	4312	758	100.0	A
	50	8	496	5341	939	99.9	A
	50	**8**	**571**	**6145**	**1081**	**99.7**	**A**
	50	8	679	7311	1286	98.1	B

The discharge loss coefficient class for louver E6WF is 3. The higher the coefficient, the lower the resistance to airflow.

Class	1	2	3	4
Discharge Loss Coefficient	.4 and Above	.3 to .399	.2 to .299	.199 and below

MODEL: E6WF Louver Application Guide

Application of any louver involves selecting an airflow velocity through the louver free area (free area velocity in fpm) that produces an acceptable pressure drop and for intake applications and minimizes carry-over of normally occurring rain. Architectural Louvers does not warrant our louvers to prevent water penetration under all combinations of wind and rain. 99% water resistance effectiveness during testing through Model E6WF ends at 1081 fpm free area velocity. Louver selection using a free area velocity below 1081 fpm is recommended. Louver selection involves the following steps, and depending on the information provided, either step may come first.

Select Free Area Velocity - Fan Forced Intake:

Using the Airflow Resistance Chart, select a free area velocity that produces an acceptable pressure drop with minimal water penetration. (Water penetration may not need to be considered when selecting exhaust louvers.)

Determine Louver Free Area:

Using the free area velocity from previous step and total cfm, determine the louver Free Area required. Using louver Free Area Chart, select a louver with the required free area. If louver size is given, determine free area from chart and work backwards to determine maximum airflow. See examples below.

Free Area Chart (ft^2)

Louver Height (Inches) \ Louver Width (Inches)	12	24	36	48	60	72	84	96
12	0.25	0.56	0.87	1.18	1.49	1.75	2.05	2.35
24	0.75	1.67	2.59	3.51	4.44	5.30	6.21	7.12
36	1.25	2.78	4.31	5.84	7.38	8.85	10.37	11.90
48	1.74	3.89	6.03	**8.17**	10.32	12.40	14.54	16.67
60	2.24	4.99	7.75	10.50	13.26	15.95	18.70	21.44
72	2.73	6.10	9.47	12.83	16.20	19.51	22.86	26.22
84	3.23	7.21	11.19	15.16	19.14	23.06	27.02	30.99
96	3.73	8.32	12.90	17.49	22.08	26.61	31.19	35.76

Louver Selection Examples - Fan Forced Intake:

Example 1:

Airflow given as 6000 cfm – select louver size.

A. Determine louver free area by dividing airflow by free area velocity (do not exceed 1081 fpm on intake louver applications).

cfm /	fpm	= ft^2
6000 /	1081	= 5.55

B. Select a louver with at least the required louver free area from Free Area Chart above.

Width	x Height	Free Area from Chart
48	x 36	5.84

(Other selections available – See Free Area Chart above)

C. Calculate Free Area Velocity

fpm = cfm / ft^2 free area of louver
1027 = 6000 / 5.84

D. Check the pressure drop of the selected louver at the calculated airflow (Airflow Resistance Chart on Page 2).

in w.g. = 0.407 at 1027 fpm free area velocity

Example 2:

Louver size given as 96 W x 48 H – determine maximum airflow.

A. Use Free Area Chart to obtain ft^2 for given size

Free Area = 16.67 sq ft

B. Multiply Free Area x Free Area Velocity (Do not exceed 1081 fpm on intake louver applications).

ft^2	x fpm	= cfm
16.67 x	1081	= 18019

C. Check the pressure drop of the selected louver at the calculated airflow (Airflow Resistance Chart on Page 2).

in w.g. = 0.451 at 1081 fpm free area velocity