

Comfort Systems USA (Arkansas), Inc.
P.O. Box 16620
Little Rock, AR 72231
Phone 501-834-3320
Fax 501-834-5416

Date: 07/14/2026
Return Request: 08/11/2026
Project: Highlands Building at Pinnacle Hills
Supplier: Comfort Systems USA
Manufacturer: Various
Submittal: Louvers
Submittal Number: 23 37 00-01
Drawing # and Installation: Mechanical

ARCHITECT

Crafton Tull
Fayetteville, Ar

ENGINEER

IMEG

GENERAL CONTRACTOR

Clark Contractors
Rogers, Ar

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
116 Commercial Ave.
Lowell, AR 72745
(479) 770.8992

NOTES:

--

CSUSA PROJECT NO.
26-5034

jzuber@comfortar.com

Submittal

JOB NAME	Highlands Building at Pinnacle Hills Rogers
JOB NUMBER	26ADCA0017-1
PRODUCT	Louvers
MANUFACTURER	Pottorff
LOCATION	Rogers, AR
DATE	June 25, 2026
SPECIFICATION	23 37 00 2.12
LEAD TIME	6 Weeks
ENGINEER	IMEG
CONTRACTOR	Knight & Wilson
SUBMITTED BY	Chris Atwood

Submittal

Model ECV-545

Extruded aluminum louver, 5" deep, 45 degree vertical blade

General construction

Dimensions: Nominal (approximately 1/2" (12) undersized)

Material: 6063-T6 extruded aluminum

Material thickness (in): 0.081

Frame: 5" deep channel

Blade orientation: Right (standard)

Blade: 45° chevron style

Flange type: Flange frame

Screen 1 location: Rear (interior)

Options

Screen 1 configuration: Material: Fiberglass; Type: Insect screen;
Pattern: 18-16 mesh

Flange: Type: Flange frame, Width (in): 1.5

Bottom flange: No

Installation hardware: Continuous angles

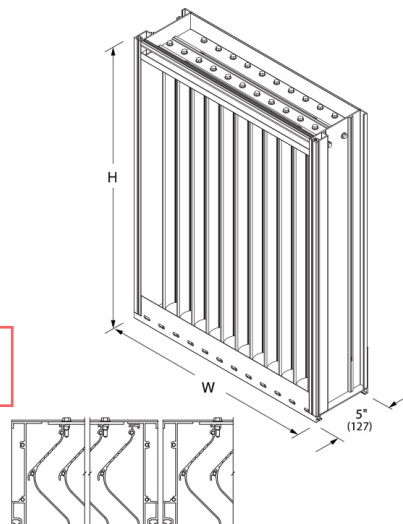
Finish: Fluoropolymer, Standard color name: TBD

Finish warranty: 10 years

Sill flashing: Closed end

Sill flashing depth: 5"

Confirm if flanges
are required.



Ratings

Free area: [48" x 48" (1219 x 1219) unit]: 8.7 ft² (0.81 m²) 54.8% (1 side)

Velocity @ 0.15 in.wg. Pressure Loss: 912 fpm (4.63 m/s)

Std. Design Load: 130 psf

Listings

AMCA CRP Listing: 'Air, Water, Wind'

AMCA: 540 (impact resistant), 550 (high velocity rain resistant)

Performance at beginning point of water penetration

Free area velocity: 1250 fpm (6.35 m/s)

Air volume delivered: 10963 cfm (5.17 m³/s)

Pressure loss: 0.28 in.wg. (70 Pa)

Wind Driven Rain Performance – AMCA 500-L [29 mph, 3 in/hr]

Airflow and core velocity: 10601 CFM; 985 FPM

Effectiveness Ratio (%): 100

Wind class: A (effectiveness, 1.000 to 0.99)

Discharge class: 2 (loss coefficient = 0.3 to 0.399)

Wind Driven Rain Performance – AMCA 500-L [50 mph, 8 in/hr]

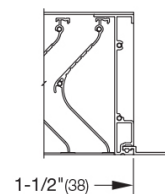
Airflow and core velocity: 10605 CFM; 985 FPM

Effectiveness Ratio (%): 99.7

Wind class: A (effectiveness, 1.000 to 0.99)

Discharge class: 2 (loss coefficient = 0.3 to 0.399)

Model ECV-545



ECV-545 with flange frame



Certified Ratings:

Pottorff certifies that the model ECV-545 shown herein is licensed to bear the AMCA seal. The ratings shown are based on test 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.



HIGH VELOCITY RAIN
RESISTANT WITH BLADES
FULLY OPEN AND
IMPACT RESISTANT LOUVER
Enhanced Protection Level E

See www.AMCA.org for all certified or listed products

This label does not signify
AMCA airflow performance
certification.

**AMCA
540,
and
AMCA
550**

This submittal sheet reflects only the construction and options selected and is not indicative of all constructions and options that are available for the product. For more information, please contact your local representative or visit us at <https://pottorff.com/>.

Information is subject to change without notice or obligation.

Note: Dimensions in parentheses () are in millimeters

Submittal

Model ECV-545

Extruded aluminum louver, 5" deep, 45 degree vertical blade

Details

Line item	Tag	Qty	Louver size (in.xxxx)	Sections	Ratings			Free area		Approx. weight (lbs)
			W x H	Wide x High	CFM	FPM	PD	ft²	%	
25	LV-1	1	84 x 24	1 x 1	5000	750	0.1	6.67	48.9	77
Notes: ** CONFIRM IF FLANGES ARE REQUIRED.										
27	LV-2	1	36 x 24	1 x 1	1800	674	0.08	2.67	46.1	33
Notes: ** CONFIRM IF FLANGES ARE REQUIRED.										
28	LV-3	1	20 x 14	1 x 1	619	1049	0.2	0.59	32.3	11
Notes: ** CONFIRM IF FLANGES ARE REQUIRED.										

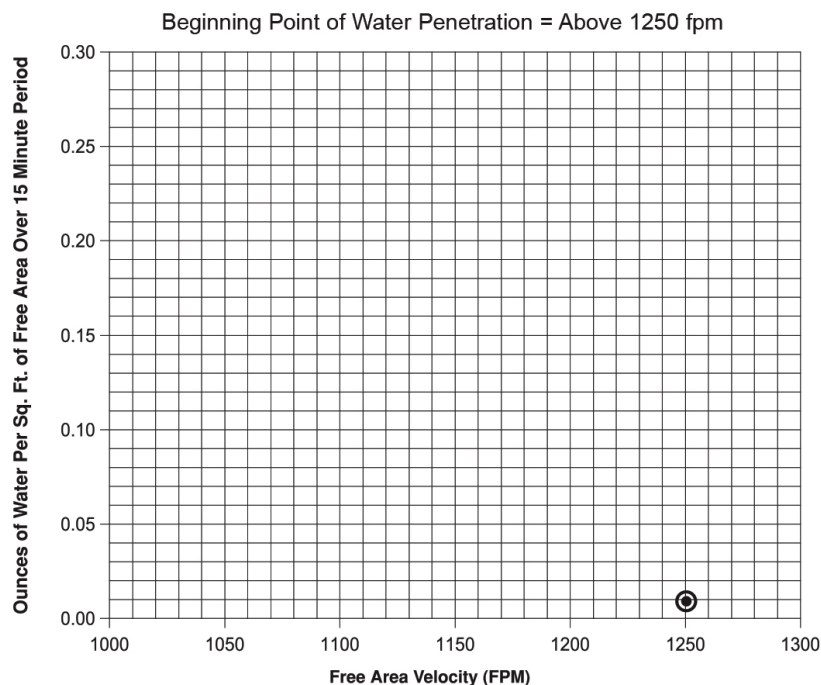
This submittal sheet reflects only the construction and options selected and is not indicative of all constructions and options that are available for the product. For more information, please contact your local representative or visit us at <https://pottorff.com/>.

Information is subject to change without notice or obligation.

Note:Dimensions in parentheses () are in millimeters

Submittal

Model ECV-545 Performance



Water penetration

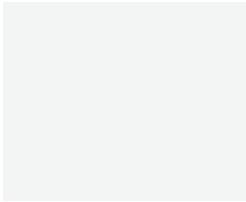
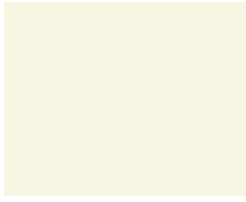
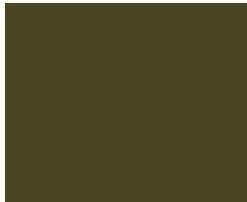
AMCA defines the beginning point of water penetration as the free area velocity at the intersection of a simple linear regression of test data and the line of 0.01 ounces of water per square foot of free area and is measured through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides a method for comparing louver models and designs as to their efficiency in resisting the penetration of rainfall under specific lab conditions. Pottorff recommends that intake louvers are selected with a reasonable margin of safety below the beginning point of water penetration in order to avoid unwanted penetration during severe storm conditions.

This submittal sheet reflects only the construction and options selected and is not indicative of all constructions and options that are available for the product. For more information, please contact your local representative or visit us at <https://pottorff.com/>.

Information is subject to change without notice or obligation.

Note: Dimensions in parentheses () are in millimeters

Standard Finish colors for aluminum products and acoustical louvers

				
Apollo White M-18136 M-19136	Bone White M-18137 M-19137	Colonial White M-18138 M-19138	Ivory M-18162 M-19162	Sandstone M-18139 M-19139
				
Nantucket Dune M-18140 M-19140	Beige M-18141 M-19141	Seawolf M-18142 M-19142	Fashion Gray M-18143 M-19143	Colonial Gray M-18144 M-19144
				
Charcoal Gray M-18145 M-19145	Light Blue M-18146 M-19146	Interstate Blue M-18147 M-19147	Aged Copper M-18148 M-19148	Hartford Green M-18149 M-19149
				
Brick Red M-18150 M-19150	Burgundy M-18151 M-19151	Sage Brown M-18152 M-19152	Statuary Bronze M-18153 M-19153	Black M-18154 M-19154

The first M number is for the standard Fluoropolymer finish and the second number is for the same color in Polyester.

Premium Pearl finish colors for aluminum products and acoustical louvers

				
El Cajon Silver M-18155 M-19155	Champagne M-18156 M-19156	Light Bronze M-18157 M-19157	Medium Bronze M-18158 M-19158	Dark Bronze M-18159 M-19159

Premium Pearl colors use mica pigments to simulate the appearance of anodized finishes. The first M number is for the standard Fluoropolymer finish and the second number is for the same color in Polyester.

The color samples shown are not the actual paint. The samples are as close as possible to actual colors offered. Actual coating samples are available upon request. Please call us at 817-509-2300 or e-mail us at info@pottorff.com for a sample of our color chart.

Our superior performance paint systems are available in a wide range of colors and we can also custom color match to any of your specifications. Our expertise in applying architectural coatings assures you of a high quality finish. With our color options, you get the color you need when you need it!

PRODUCT FACTS

Finish Type	Description/Application	Color Selection	Warranty
Fluoropolymer Decafon and Newlar meet AAMA 2605. Dry film thickness 2 mil. equivalent to Kynar 500®/Hylar 5000®, Duranar®, Fluoropon®	Our premier finish for extruded aluminum. Tough, long lasting, environmentally friendly powder coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	Standard Colors: 20 standard colors plus Premium Pearl finishes. Custom colors are available. Consult factory.	10 Years (consult factory for availability of extended warranty up to 20 years).
Polyester Powder Coat meets AAMA 2604 dry film thickness 2 mil. equivalent to Baked Enamel.	Environmentally friendly powder coating has good color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	20 standard colors for aluminum products and acoustical louvers, 18 colors for steel. Custom colors are available. Consult factory.	5 Years
Integral Color Anodize AA-M10C22A42 (>0.7 mil)	Electrochemically deposited inorganic color pigment which is sealed to convert an aluminum oxidation into a corrosion resistant finish. Some shade variation will occur.	Champagne; Light, Medium or Dark Bronze; Black	5 Years
Clear Anodize 215 R-1 AA-M10C22A41 (>0.7 mil)	Electrochemically oxidized aluminum surface for uniform clear finish. More resistant to natural oxidizing. Improved luster and less glossy than mill finish.	Clear	5 Years
Alkyd Prime Coat	Preparation for field applied epoxy, vinyl, urethane, or other heavy-duty coatings. Must be finished within 6 months of application. Contamination can occur in transit and in the field; requires field cleaning prior to painting.	N/A	N/A
Mill	Aluminum or Galvanized Steel. Normal weathering will occur.	N/A	N/A



Finishes enhance louver appearance by matching or contrasting with adjacent surfaces and extending weather resistance. Color matching is available upon request.

POTTORFF®

Limited Product Warranty

Products manufactured by Pottorff are warranted to be free from defects in material and workmanship for a period of 60 months from the date of original shipment by Pottorff. Pottorff warrants only that it will furnish replacement material, or at its option, repair any product of its manufacture that is proven to Pottorff's satisfaction to be defective in material or workmanship during this described warranty period. To determine defects Pottorff may require material claimed defective to be returned freight prepaid to the Pottorff factory that originally shipped the product. If any defects are determined by Pottorff, standard surface freight charges relative to replacement material will be paid by Pottorff, (limited to the 48 contiguous United States).

Products not manufactured by Pottorff will be warranted by Pottorff only to the extent that they are warranted to Pottorff by their manufacturer. Electric motor warranties and claims are administered by the motor manufacturer only. Pottorff shall have no responsibility for the operation or performance of any product in any manner other than that which the product is usually tested and applied under industry standard, nor for any damage to a product from abuse, misapplication, unauthorized repairs, abrasion, erosion, corrosion, or the like due to abnormal temperatures or the influence of foreign matter, nor for the design or operation of any system of which any product may be made a part, or for the suitability of any product for any particular application. Pottorff shall not be liable for any costs or expenses, in connection with removal or replacement of alleged defective equipment or any part or portion thereof nor incidental or consequential damages of any kind, or under any circumstances for any damages beyond prices of the good sold.

The foregoing warranty is in lieu of all other warranties of any kind express or implied and of all other obligations or liabilities, on the part of Pottorff. Other warranties may be issued by Pottorff from time to time with respect to a particular product or a particular sale. In the absence of other written warranties of the specific nature the above warranty is the only warranty offered by Pottorff covering its products. Pottorff neither assumes, nor does it authorize any other person to assume on its behalf, any other liability in connection with the sale of its products.

Information is correct at time of printing. However, we reserve the right to make changes without notice.