MODEL D-DR-6 DOUBLE DRAINABLE 6" FIXED LOUVER

STANDARD CONSTRUCTION:
Frame: .125" Extruded Aluminum, 6.20" Deep
Blade: .110" Extruded Aluminum positioned on a 39° angle on approximately 5.87" centers
Birdscreen: 3/4" x .051" Flattened Aluminum in removable frame. Screen is mounted as standard on inside (rear) as looking from exterior of building.
Finish: Mill Aluminum (Std.)
Minimum Size: 12 x 12
Maximum Single Section: 84" w x 120" h or 120" w x 84" h

OPTIONS:
☐ Flanged Frame (1-1/2" std.)
☐ Custom Flange (1", 2", or 3")
☐ Extended Sill
☐ Glazing Adapter (1/2" or 3/4")
☐ Insect Screen
☐ Filter Racks (no screen)
☐ Security Bars
☐ Hinged Sub Frame
☐ Welded Const.
☐ Blank-off, Alum., non-insulated, no screen
☐ Blank-off, Alum., non-insulated, with bird screen or insect screen
☐ Blank-off, Alum., insulated double wall with bird screen

AVAILABLE FINISHES:
☐ Powder Polyester TGIC (2 coats) baked on at 410°F -2.5 to 3.5 mls meets AAMA-2603 Standards
☐ Powder Super durable polyester (2 coats) baked on at 410°F -2.5 to 3.5 mls meets AAMA-2604-05 Standards
☐ Acrylic baked enamel (ACRA-BOND® ULTRA)
  by AkzoNobel baked on at 350°F -0.8 to 1.2 mls dry
  meets AAMA-2603 Standards
☐ Kynar® (ALUM®*STAR®) 2 coats
  by AkzoNobel baked on at 450°F -1.2 to 1.6 mls dry
  meets AAMA-2605-05 Standards
☐ Kynar 500® or HYLAR® 5000 70% TRINAR® (2 coats) by AkzoNobel baked on at 450°F -1.2 to 1.6 mls dry, meets AAMA-2605-05 Standards
☐ Kynar 500® or HYLAR® 5000 (70% Tri-Escent II) (2 coats) by AkzoNobel, a superior finish to other metallic or anodized finishes. A blend of mica, ceramic, and inorganic pigments creates subtle yet dazzling design that goes beyond metallic color without the requirement of a clear coat. 14 standard colors - custom colors available. Baked on at 415°F -1.4 to 1.8 mls dry, meets AAMA-2605-05.
☐ Clear Anodize 204 R-1 Class II (AA-C22A31)(0.4 to 0.7 mil)
☐ Clear Anodize 215 R-1 Class I (AA-C22A42)(>0.7 mil)
☐ Integral Color Anodize (AA-C22A42)(>0.7 mil)
  - Clear coat available for all above finishes.
  - Hyflar® 5000 is a registered trademark of Solvay Solexis, Inc.
  - Kynar® 500 is a registered trademark of Arkema.
  - ALUM®*STAR® 50 and TRINAR® are registered trademarks of AkzoNobel
  - ACRA-BOND® ULTRA is a registered trademark of AkzoNobel

*Width and Height dimensions are approximately 1/4" under listed size.
Due to continuing research, United Enertech reserves the right to change specifications without notice.

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MODEL D-DR-6 (Double Drainable 6" Deep Fixed Louver)

DRAWN BY: CLJ
DATE: December 2006
REV. DATE: April 2010
REV. NO.: 5
APPROVED BY: BGT
DWG. NO.: A-6
SUGGESTED SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be stationary drainable type with drain gutters in each blade and downspouts in jambs and moldings. Stationary drainable blades shall be contained within a 6.20" frame. Louver components (heads, jambs, sills, blades, and millings) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 25 lbs. Per sq. ft. (equivalent of a 100 mph wind)

Louvres shall be United Enertech #D-DR-6 6063T6 extruded aluminum construction as follows:

Frame: 6.20" deep, .125 nominal wall thickness.
Blades: .110 nominal wall thickness. Drainable
Blades are positioned at 39-degree angle and spaced approximately 5.67" center to center.
Screen: 3/4" x .051" (19 x 1.3) expanded, flattened aluminum in removable frame.
Finish: Select finish specification from United Enertech Finishes Brochure.

Purchases, performance data bearing the 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 the United Enertech model specified.

PERFORMANCE DATA

Beginning point of WATER PENETRATION is 935 fpm

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.

FREE AREA CHART (SQUARE FEET)

MODEL D-DR-6

Louver Height Inches

12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

Louver Width In Inches

12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120

FREE AREA VELOCITY (FT/MIN)

Standard Air: 0.75 lb/ft²

Louver Height

Inches

0.50 0.57 0.64 0.71 0.78 0.85 0.92 0.99 1.06 1.13 1.20 1.27 1.34 1.41 1.48 1.55 1.62 1.69

Louver Width

Inches

0.78 0.85 0.92 0.99 1.06 1.13 1.20 1.27 1.34 1.41 1.48 1.55 1.62 1.69 1.76 1.83 1.90 1.97

FREE AREA VELOCITY (FT/FT²)

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