**MODEL FL-D-4**  
**HIGH PERFORMANCE 4" FIXED LOUVER**

**STANDARD CONSTRUCTION:**
- Frame: 0.081 Extruded Aluminum, 4.19" Deep
- Blade: 0.081 Extruded Aluminum positioned on a 37° angle on approximately 2.88" centers
- Birdscreen: 0.75" x 0.051" 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: 120"w x 84"h or 84"w x 120"h
- Note: 10" max width

**OPTIONS:**
- Flanged Frame (1.50" std.), (1" std for shapes R_ )
- Custom Flange (1", 2", or 3"), (1.5", 2", or 3" for shapes R_ )
- Extended Sill
- Glazing Adapter (.50" or .75")
- Insect Screen (Other Screens Available, See Screen Page)
- Filter Racks (no screen)
- Security Bars
- Hinged Sub Frame
- Split Deflection 45° 0” Blades
- Welded Construction (Wind Load +/- 50 psf)
- .125” Construction
- Blank-off, Alum., non-insulated, no screen, non-removable
- Blank-off, Alum., non-insulated, with bird screen or Insect screen
- Blank-off, Alum., insulated double wall, with bird screen, removable
- Blank-off, Alum., insulated double wall, no screen, non-removable

**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*A*STAR®) 2 coats by AkzoNobel baked on at 450°F, 1.2 to 1.6 mls dry Meets AAMA-2604-05 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-Extant 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-C22A41) (0.7 mil)
- Integral Color Anodize (AA-C22A42) (>0.7 mil)
  - Clear coat available for all above finishes.
  - Hylar® 5000 is a registered trademark of Solvay Solexis, Inc.
  - Kynar® 500 is a registered trademark of Arkema,
  - ALUM*A*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 FL-D-4 (Drainable Blade w/ Jamb Gutters & Downspouts)**

**DRAWN BY:** CLJ  
**DATE:** April 2016  
**REV. DATE:** May 2016  
**REV. NO.:** 1  
**APPROVED BY:** MD  
**DWG. NO.:** A-2
SUGGESTED SPECIFICATION

Finish and install louver 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 jams and mullions. Stationary drainable blades shall be contained within a 4.19" frame. Louver components (heads, jams, rails, blades, and mullions) 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 30 lbs. per sq. ft. (optional 50 lbs. per sq. ft.) (equivalent of a 110 mph wind).

Louver shall be United Enertech FL-D-4, 6083-T5 aluminum construction as follows:
FRAME: 4.19" deep, .081" nominal wall thickness
BLADES: .081" nominal wall thickness. Blades are positioned at 37° angle and spaced approximately 2.88" center to center.
SCREEN: .075" x .091" (19 x 13) expanded, flattened aluminum in removable frame.
FINISH: Select finish specification from United Enertech Finishes brochure.

Published louver 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,

AMCA Standard 500 provides a reasonable basis for testing and rating louver. Testing to AMCA 500-L is performed under certain laboratory conditions. This does not guarantee that other conditions will not occur in the actual environment where louver 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.

FL-D-4 FREE AREA CHART (SQUARE FEET)

<table>
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<tr>
<th>Louver Height</th>
<th>Louver Width in Inches</th>
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<tr>
<td>Inches</td>
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AMCA Certified Ratings

United Enertech Corporation certifies that the louver model shown herein is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with the AMCA publication 511 and comply with the requirement of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance and Water Penetration ratings.

Beginning point of WATER PENETRATION is 1056 fpm free area velocity at .01 oz. of water penetration.