**MODEL FL-D-2**  
**HIGH PERFORMANCE 2" FIXED LOUVER**

**STANDARD CONSTRUCTION:**
- **Frame:** .060 Extruded Aluminum, 2.162" Deep
- **Blade:** .060 Extruded Aluminum positioned on a 37° angle on approximately 1.47" 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:** 120"w x 84"h or 84"w x 120"h
- **Note:** 10’ max width

**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 mils Meets AAMA-2603 Standards
- **Powder Super durable polyester** (2 coats) baked on at 410°F - 2.5 to 3.5 mils Meets AAMA-2604-05 Standards
- **Acrylic baked enamel** (ACRA-BOND® ULTRA) by AkzoNobel baked on at 350°F - 0.8 to 1.2 mils dry Meets AAMA-2603 Standards
- **Kynar® (ALUM*A*STAR®)** 2 coats by AkzoNobel baked on at 450°F - 1.2 to 1.6 mils 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 mils 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 mils 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-2 (Drainable Blade w/ Jamb Gutters and Downspouts)**

**DRAWN BY:** MHM  
**DATE:** January 2010  
**REV. DATE:** February 2010  
**REV. NO.:** 4  
**APPROVED BY:** BGT  
**DWG. NO.:** A-1
### PERFORMANCE DATA

#### WATER PENETRATION

**Standard Ak-075 kPa**

**FREE AREA CHART (SQUARE FEET)**

<table>
<thead>
<tr>
<th>Louver Height</th>
<th>Louver Width in Inches</th>
<th>FREE AREA VELOCITY (FT/Min)</th>
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</thead>
<tbody>
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<tr>
<td>18</td>
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<tr>
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<td>34.95</td>
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</tbody>
</table>

**FREE AREA VELOCITY (FT/Min)**

- **Based on STANDARD 48"- 275 lb. per outlet load.**
- **Ratings do not include the effects of screens.**
- **Text size 40 x 45°**

#### AIR FLOW RESISTANCE

**FREE AREA VELOCITY (FT/Min)**

- **SCALE X1000**
- **SCALE X100**

**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 mullions. Stationary drainable louvers shall be contained within a 2' x 162" frame. Louver components (heads, jambs, sills, 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 20 lbs. Per sq. ft. (equivalent of a 30 mph).

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.

Louvers shall be United Enertech FLID-2 606376 extruded aluminum construction as follows:

- **Frame**: 2′ x 162″ deep, 0.600 nominal wall thickness.
- **Blades**: 0.600 nominal wall thickness. Drainable.
- **Blades are positioned at 37-degree angle and spaced approximately 1.469″ 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.