MODEL XSD-55

2" DEEP WIND DRIVEN RAIN FIXED LOUVER

STANDARD CONSTRUCTION:

Frame: .060 Extruded Aluminum, 2.16" Deep
Blade: .060 Extruded Aluminum on approximately 0.938" centers.
Birdscreen: .75" 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 (1.50" 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
- Welded Construction (Wind Load +/- 50 psf)
- 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 mils Meets AAMA-2603 Standards
- Powder Super durable polyester (2 coats) baked on at 410°F, 2.5 to 3.5 mils Meets AAMA-2604-04 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-2603 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.
  - Hylan® 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 XSD-55 (2" Deep WInd-Driven Rain Louver)

DRAWN BY: CLJ
DATE: November 2017
REV. DATE: REV. NO.
APPROVED BY: MD
DWG. NO.: A-16b
### Performance Data

#### Water Penetration

<table>
<thead>
<tr>
<th>Free Area Velocity (Fpm)</th>
<th>Water Penetration (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>94.0</td>
<td>0.5</td>
</tr>
<tr>
<td>102</td>
<td>1.0</td>
</tr>
<tr>
<td>110.8</td>
<td>1.5</td>
</tr>
<tr>
<td>119</td>
<td>2.0</td>
</tr>
</tbody>
</table>

#### Air Flow Resistance

![Air Flow Resistance Graph]

#### Wind-Driven Rain

**75 mm/h (3 in/h) Rainfall & 13 m/s (29 mph) Wind Velocity**

<table>
<thead>
<tr>
<th>Core Velocity (fpm)</th>
<th>Ventilation Airflow cfm (m³/s)</th>
<th>Free Area Airflow cfm (m³/s)</th>
<th>Effectiveness</th>
<th>AMCA Effectiveness</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (0.0)</td>
<td>0 (0.00)</td>
<td>0 (0.0)</td>
<td>98.1</td>
<td>B</td>
</tr>
<tr>
<td>99 (0.5)</td>
<td>1066 (0.50)</td>
<td>194 (1.0)</td>
<td>95.2</td>
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</tr>
<tr>
<td>196 (1.0)</td>
<td>2110 (1.00)</td>
<td>384 (1.9)</td>
<td>92.4</td>
<td>C</td>
</tr>
<tr>
<td>291 (1.5)</td>
<td>3132 (1.46)</td>
<td>570 (2.9)</td>
<td>89.8</td>
<td>C</td>
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<tr>
<td>395 (2.0)</td>
<td>4252 (2.01)</td>
<td>773 (3.9)</td>
<td>85.1</td>
<td>C</td>
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</table>

**202.4 mm/h (8 in/h) Rainfall & 22 m/s (50 mph) Wind Velocity**

<table>
<thead>
<tr>
<th>Core Velocity (fpm)</th>
<th>Ventilation Airflow cfm (m³/s)</th>
<th>Free Area Airflow cfm (m³/s)</th>
<th>Effectiveness</th>
<th>AMCA Effectiveness</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (0.0)</td>
<td>0 (0.00)</td>
<td>0 (0.0)</td>
<td>87.8</td>
<td>C</td>
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<tr>
<td>94 (0.5)</td>
<td>1012 (0.45)</td>
<td>184 (0.9)</td>
<td>86.0</td>
<td>C</td>
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<tr>
<td>196 (1.0)</td>
<td>2110 (1.00)</td>
<td>384 (1.9)</td>
<td>83.9</td>
<td>C</td>
</tr>
<tr>
<td>296 (1.5)</td>
<td>3208 (1.51)</td>
<td>583 (3.0)</td>
<td>82.3</td>
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#### Wind Driven Rain Penetration Classes

<table>
<thead>
<tr>
<th>Class</th>
<th>Effectiveness</th>
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<tbody>
<tr>
<td>A</td>
<td>1 to 0.99</td>
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<tr>
<td>B</td>
<td>0.989 to 0.95</td>
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<tr>
<td>C</td>
<td>0.949 to 0.80</td>
</tr>
<tr>
<td>D</td>
<td>Below 0.80</td>
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**United Named certifies that the XSO-55 shown herein is licensed to use the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA certified rating seal applies to air performance ratings, water penetration, and wind driven rain ratings.**

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**Test size 1m x 1m (39"x39") core 41-5/8"w x 41-13/16"h Nominal (1.057m x 1.062m)**