QUALIFICATIONS:
- Florida Product Approval.
- ETL Listed Product: 106225.
- Tested in accordance with: TAS-201 (Large Missile Impact Test), TAS-202 (Uniform Static Air Pressure Test), TAS-203 (Cyclic Wind Pressure Loading Test).
- AMCA 500-L (Wind-Driven Rain, Water Penetration, Airflow).
- AMCA 540 (Wind-Borne Debris Impact Test [Enhanced "Level E" Protection]).
- AMCA 550 (High Velocity Wind-Driven Rain Resistance Test).
- Wind load rating up to ± 130 PSF (dependent on size and configuration).

STANDARD CONSTRUCTION:
FRAME: 5" (127) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.
BLADES: Type 6063-T6 extruded aluminum, .060" (1.52) nominal wall thickness, with reinforcing bosses.
BLADE ANGLE: Fixed at 45 degrees.
BLADE SPACING: Approximately 1 1/2" (38) on centers.
BLADE SUPPORT: 2.5" (64) strap every 60" (1524) or less in height.
SCREEN: 5/8" x .050 (16 x 1.3) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approximately 3/8" [10] to louver depth).
FINISH: Mill.
MINIMUM SIZE: 12" W x 12" H (305 x 305).
MAX. SINGLE SECTION SIZE: 120" W x 72" H (3048 x 1829). 63 sq. ft. (5.9 m²). Larger louvers will require field assembly of smaller sections.
OVERALL MAX. SIZE: Unlimited Width x 120" H (3048).
APPROXIMATE SHIPPING WEIGHT: 5 lbs. per ft² (24.4 Kg per m²).

OPTIONS:
- BS SSS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSSS Type 304 S.S. Insect Screen.
- FL Flanged Frame.
- ESI Extended Sill.
- Other: ____________________.

OPTIONAL FINISHES:
- PC3 Powder Coat AAMA 2603. Color: ____.
- PC4 High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ____.
- PC5 Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: ____.
- PCC Prime Coat.
- AN04 Clear Anodized 204-R1.
- AN15 Clear Anodized 215-R1.
- ANLB Light Bronze.
- ANMB Medium Bronze.
- ANDB Dark Bronze.
- ANBK Black.

For Installation Instructions, see IOM-LOUVERINSTFPA.

Dimensions are in inches (mm).
AIRFLOW/WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size

<table>
<thead>
<tr>
<th>Free Area %</th>
<th>55%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft. (sq. m.)</td>
<td>8.77 (0.82)</td>
</tr>
<tr>
<td>Core Ventilation Rate in fpm (m/s)</td>
<td>0 (0.00) 110 (0.56) 196 (1.00) 280 (1.42) 399 (2.02) 499 (2.53) 590 (3.00) 703 (3.57) 783 (3.98) 894 (4.54) 984 (5.00)</td>
</tr>
<tr>
<td>Free Area Ventilation Rate in fpm (m/s)</td>
<td>0 (0.00) 200 (1.02) 356 (1.81) 509 (2.59) 725 (3.68) 907 (4.61) 1073 (5.45) 1278 (6.49) 1424 (7.23) 1625 (8.26)</td>
</tr>
<tr>
<td>Effectiveness Ratio (%)</td>
<td>100 100 100 100 100 100 100 100 100 100 100</td>
</tr>
<tr>
<td>Penetration Class</td>
<td>A A A A A A A A A A A</td>
</tr>
</tbody>
</table>

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is below the point of beginning water penetration. Maximum Free Area Velocity tested is 1250 fpm. Beginning point of water penetration for this model is above 1250 fpm.

WIND DRIVEN RAIN PERFORMANCE

| Air Volume at 1250 fpm | 10,963 cfm (5174 l/s) |
| Pressure Drop @ 1000 fpm | \(0.18\) in. w.g. (45 Pa) |

Test was based on a 39.375" x 39.375" (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 3" per hour (76 mm/hour) with a wind velocity of 29 mph (13 m/s).

DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 2. (Discharge Loss Coefficient Classification is as follows: 1 = 0.4 and above, 2 = 0.3 to 0.399, 3 = 0.2 to 0.299, 4 = 0.199 and below.)

Test was based on a 39.375" x 39.375" (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 8" per hour (203 mm/hour) with a wind velocity of 50 mph (22 m/s).

DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 2. (Discharge Loss Coefficient Classification is as follows: 1 = 0.4 and above, 2 = 0.3 to 0.399, 3 = 0.2 to 0.299, 4 = 0.199 and below.)

Nailor Industries Inc. certifies the Model 1605WDVF shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA, Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. Seal applies to air performance, water penetration and wind driven rain performance ratings.

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

1605WDVF January, 2018
## Width in Inches and Meters

<table>
<thead>
<tr>
<th>Height in Inches and Meters</th>
<th>Width in Inches</th>
<th>Width in Meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>0.30</td>
<td>0.08</td>
</tr>
<tr>
<td>18</td>
<td>0.44</td>
<td>0.11</td>
</tr>
<tr>
<td>24</td>
<td>0.64</td>
<td>0.16</td>
</tr>
<tr>
<td>30</td>
<td>0.86</td>
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<tr>
<td>36</td>
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<td>0.27</td>
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<tr>
<td>42</td>
<td>1.30</td>
<td>0.34</td>
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<tr>
<td>48</td>
<td>1.52</td>
<td>0.39</td>
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<tr>
<td>54</td>
<td>1.75</td>
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<tr>
<td>60</td>
<td>1.97</td>
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<tr>
<td>66</td>
<td>2.20</td>
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<tr>
<td>72</td>
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<tr>
<td>84</td>
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<tr>
<td>90</td>
<td>3.12</td>
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<tr>
<td>96</td>
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<td>3.58</td>
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<tr>
<td>108</td>
<td>3.81</td>
<td>1.09</td>
</tr>
<tr>
<td>114</td>
<td>4.04</td>
<td>1.16</td>
</tr>
<tr>
<td>120</td>
<td>4.27</td>
<td>1.23</td>
</tr>
</tbody>
</table>

**FREE AREA in Square Feet and Square Meters**

| Width in Inches | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 |
|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| Width in Meters | 0.03| 0.04| 0.05| 0.06| 0.07| 0.08| 0.09| 0.10| 0.11| 0.12| 0.13| 0.14| 0.15| 0.16| 0.17| 0.18| 0.19| 0.20| 0.21|

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**Extruded Aluminum Stationary Louver**

FLORIDA PRODUCT APPROVED

5" (127) DEEP • VERTICAL BLADE • PERFORMANCE DATA

MODEL: 1605WDVF

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**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

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

[See www.AMACA.org for all certified or listed products]

**AMCA WORLDWIDE CERTIFIED RATINGS**

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**CYCLE TESTED PER AMCA 540**

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**DATE**

**B SERIES**

**SUPERSEDES**

**DRAWING NO.**

1 - 22 - 18

1600F

NEW 1605WDVF

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1605WDVF January, 2018