QUALIFICATIONS:
• Miami-Dade County NOA.
• Florida Product Approval.
• Tested in accordance with: TAS-100A (Wind-Driven Rain Test), 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 +/- 130 PSF.

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, .063" (1.6) nominal wall thickness, with reinforcing bosses.
BLADE ANGLE: Fixed at 45 degrees.
BLADE SPACING: Approximately 3/4" (19) 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: 48" W x 120" H (1219 x 3048) or
SECTION SIZE: 120" W x 48" H (3048 x 1219).
40 sq. ft. (3.7 m²). Larger louvers will require field assembly of smaller sections.
OVERALL MAX. SIZE: Unlimited Width x 120" H (3048).

OPTIONS:
- BS SS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSS 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.
- ANBK Black.

For Installation Instructions, see IOM-LOUVERINSTTPA.
**AIRFLOW/WATER PENETRATION DATA**

for 48" x 48" (1219 x 1219) Louver Size

<table>
<thead>
<tr>
<th>Free Area %</th>
<th>47%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft. (sq. m.)</td>
<td>7.48 (0.69)</td>
</tr>
<tr>
<td>Core Area Louver tested</td>
<td>39.375&quot; x 39.375&quot; (1.0 m x 1.0 m)</td>
</tr>
<tr>
<td>Louver tested at a rainfall rate of 8&quot; per hour (203 mm/hour) with a wind velocity of 50 mph (22 m/s).</td>
<td></td>
</tr>
</tbody>
</table>

**DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 3.** (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.)

**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**

<table>
<thead>
<tr>
<th>Core Ventilation Rate in fpm (m/s)</th>
<th>0 (0.00)</th>
<th>110 (0.56)</th>
<th>195 (0.99)</th>
<th>279 (1.42)</th>
<th>396 (2.01)</th>
<th>497 (2.52)</th>
<th>588 (2.99)</th>
<th>701 (3.56)</th>
<th>781 (3.97)</th>
<th>891 (4.53)</th>
<th>981 (4.98)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area Ventilation Rate in fpm (m/s)</td>
<td>0 (0.00)</td>
<td>234 (1.19)</td>
<td>415 (2.11)</td>
<td>594 (3.02)</td>
<td>843 (4.28)</td>
<td>1057 (5.37)</td>
<td>1251 (6.36)</td>
<td>1491 (7.57)</td>
<td>1662 (8.44)</td>
<td>1896 (9.63)</td>
<td>2067 (10.06)</td>
</tr>
<tr>
<td>Effectiveness Ratio (%)</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Penetration Class</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

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 (EXHAUST): 3.** (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.)

<table>
<thead>
<tr>
<th>Core Ventilation Rate in fpm (m/s)</th>
<th>0 (0.00)</th>
<th>87 (0.44)</th>
<th>198 (1.01)</th>
<th>300 (1.52)</th>
<th>399 (2.03)</th>
<th>484 (2.62)</th>
<th>589 (3.48)</th>
<th>686 (4.33)</th>
<th>786 (5.39)</th>
<th>882 (5.98)</th>
<th>987 (6.59)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area Ventilation Rate in fpm (m/s)</td>
<td>0 (0.00)</td>
<td>185 (0.94)</td>
<td>421 (2.14)</td>
<td>638 (3.24)</td>
<td>849 (4.31)</td>
<td>1030 (5.23)</td>
<td>1253 (6.37)</td>
<td>1460 (7.42)</td>
<td>1672 (8.49)</td>
<td>1877 (9.54)</td>
<td>2100 (10.67)</td>
</tr>
<tr>
<td>Effectiveness Ratio (%)</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
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</tr>
<tr>
<td>Penetration Class</td>
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<td>A</td>
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<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

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).

**NOTE:** To minimize water penetration when sizing exhaust 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.

Nailor Industries Inc. certifies the Model 1675WDVM shown herein is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA publications and comply with the requirements of the AMCA Listing Label Program. The AMCA Listing Label applies to Windborne Debris Impact Resistant Louvers. The AMCA Listing Label applies to High Velocity Wind Driven Rain Resistant Louvers.

**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

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

1675WDVM January, 2018
**FREE AREA in Square Feet and Square Meters**

| Width in Inches and Meters | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 |
|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
|                            | 0.30 | 0.46 | 0.61 | 0.76 | 0.91 | 1.07 | 1.22 | 1.37 | 1.52 | 1.68 | 1.83 | 1.98 | 2.13 | 2.29 | 2.44 | 2.59 | 2.74 | 2.90 | 3.05 |
| 12                          | 0.17 | 0.39 | 0.61 | 0.83 | 1.05 | 1.27 | 1.49 | 1.71 | 1.93 | 2.15 | 2.37 | 2.59 | 2.81 | 3.03 | 3.25 | 3.47 | 3.69 | 3.91 | 4.13 |
| 18                          | 0.30 | 0.02 | 0.04 | 0.06 | 0.08 | 0.10 | 0.12 | 0.14 | 0.16 | 0.18 | 0.20 | 0.22 | 0.24 | 0.26 | 0.28 | 0.30 | 0.32 | 0.34 | 0.36 |
| 24                          | 0.19 | 0.43 | 0.66 | 0.90 | 1.14 | 1.38 | 1.62 | 1.86 | 2.09 | 2.33 | 2.57 | 2.81 | 3.05 | 3.29 | 3.52 | 3.76 | 4.00 | 4.24 | 4.48 |
| 30                          | 0.24 | 0.36 | 0.87 | 1.18 | 1.48 | 1.80 | 2.11 | 2.43 | 2.74 | 3.05 | 3.36 | 3.67 | 3.98 | 4.30 | 4.61 | 4.92 | 5.23 | 5.54 | 5.85 |
| 36                          | 0.39 | 0.69 | 1.07 | 1.46 | 1.84 | 2.23 | 2.61 | 3.00 | 3.38 | 3.77 | 4.15 | 4.54 | 4.92 | 5.31 | 5.69 | 6.08 | 6.46 | 6.85 | 7.23 |
| 42                          | 0.86 | 1.96 | 3.06 | 4.16 | 5.26 | 6.36 | 7.48 | 8.56 | 9.66 | 10.76 | 11.86 | 12.96 | 14.06 | 15.16 | 16.26 | 17.36 | 18.46 | 19.56 | 20.66 |
| 48                          | 1.22 | 0.08 | 0.18 | 0.28 | 0.39 | 0.49 | 0.59 | 0.69 | 0.80 | 0.90 | 1.00 | 1.10 | 1.20 | 1.31 | 1.41 | 1.51 | 1.61 | 1.72 | 1.82 |
| 54                          | 0.47 | 1.08 | 1.68 | 2.28 | 2.89 | 3.50 | 4.10 | 4.70 | 5.30 | 5.90 | 6.50 | 7.10 | 7.70 | 8.30 | 8.90 | 9.50 | 10.10 | 10.70 | 11.30 |
| 60                          | 0.53 | 1.21 | 1.89 | 2.57 | 3.24 | 3.92 | 4.60 | 5.28 | 5.96 | 6.64 | 7.32 | 8.00 | 8.68 | 9.36 | 10.04 | 10.72 | 11.40 | 12.08 | 12.76 |
| 66                          | 0.59 | 1.34 | 2.09 | 2.84 | 3.60 | 4.35 | 5.10 | 5.85 | 6.60 | 7.34 | 8.08 | 8.80 | 9.52 | 10.24 | 10.96 | 11.68 | 12.40 | 13.12 | 13.84 |
| 72                          | 0.65 | 1.47 | 2.30 | 3.12 | 3.96 | 4.77 | 5.60 | 6.40 | 7.20 | 8.00 | 8.80 | 9.60 | 10.40 | 11.20 | 12.00 | 12.80 | 13.60 | 14.40 | 15.20 |
| 78                          | 0.70 | 1.60 | 2.50 | 3.40 | 4.30 | 5.20 | 6.10 | 7.00 | 7.90 | 8.80 | 9.70 | 10.60 | 11.50 | 12.40 | 13.30 | 14.20 | 15.10 | 16.00 | 16.90 |
| 84                          | 0.76 | 1.73 | 2.70 | 3.68 | 4.65 | 5.62 | 6.59 | 7.56 | 8.53 | 9.50 | 10.47 | 11.42 | 12.38 | 13.34 | 14.30 | 15.27 | 16.24 | 17.21 | 18.18 |
| 90                          | 0.82 | 1.86 | 2.91 | 3.95 | 5.00 | 6.04 | 7.09 | 8.13 | 9.17 | 10.20 | 11.24 | 12.28 | 13.32 | 14.36 | 15.40 | 16.44 | 17.48 | 18.52 | 19.56 |
| 102                         | 0.93 | 2.13 | 3.32 | 4.51 | 5.70 | 6.99 | 8.26 | 9.54 | 10.82 | 12.10 | 13.38 | 14.66 | 15.94 | 17.22 | 18.50 | 19.78 | 21.06 | 22.34 | 23.62 |
| 114                         | 1.05 | 2.39 | 3.73 | 5.06 | 6.40 | 7.74 | 9.08 | 10.42 | 11.76 | 13.09 | 14.42 | 15.75 | 17.08 | 18.41 | 19.74 | 21.07 | 22.40 | 23.73 | 25.06 |

**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

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1675WDVM January, 2018