Model 1604D, Drainable blade type louver, provides excellent weather protection in a 4" (102) deep frame, with good air performance and pleasing aesthetics that compliment any structure’s exterior styling. Suitable for use in exhaust and low to medium velocity intake applications, the drainable blade design utilizes rain gutters that divert collected water down concealed side downsputs and out the sill. Blades are reinforced with full length integral bosses for superior strength and the design provides good air performance through it’s large free area as well as maximum protection against the elements. Model 1604D is available with channel or flanged type frame to suit most architectural and mechanical installation requirements and is AMCA Licensed.

STANDARD CONSTRUCTION:

FRAME: 4" (102) deep, Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downsputs and caulking slot provided.

BLADES: Type 6063-T5 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.

BLADE ANGLE: Fixed at 37 degrees.

BLADE SPACING: Approx. 4" (102) on centers.

BLADE SUPPORT: Concealed type, factory installed on rear of louver on maximum 60° (1524) centers. Reinforced with 1 1/2" x 2" (38 x 51) angle (adds approx. 2" [51] to overall louver depth).

MULLIONS: Concealed type allowing continuous line appearance up to 120° (3048) wide. Larger assemblies require separate visible frames with downsputs.

SCREEN: 3/4" x .051 (19 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).

MAXIMUM SINGLE SECTION SIZE: 120" W x 84" H (3048 x 2134) or 84" W x 120" H (2134 x 3048). 70 sq. ft. Larger louvers will require field assembly of smaller sections.

OPTIONS:

- FL Flanged Frame.
- BSSS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSS Type 304 S.S. Insect Screen.
- WE Welded Construction.

OPTIONAL FINISHES:

- 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.

Color Anodized:

- ANLB Light Bronze.
- ANMB Medium Bronze.
- ANDB Dark Bronze.
- ANBK Black.

OPTIONAL W x H SIZING (1/4" [6.5] Undersize standard):

- U00 Exact Size.
- U38 Undersize 3/8" (9.5).
- U50 Undersize 1/2" (12.7).

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

1604D August, 2013.
EXTRUDED ALUMINUM STATIONARY LOUVER
4" (102) DEEP • DRAINABLE BLADE
PERFORMANCE DATA
MODEL: 1604D

AIRFLOW/WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size

<table>
<thead>
<tr>
<th>Free Area %</th>
<th>52%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Area sq. ft. (sq. m.)</td>
<td>8.26 (0.77)</td>
</tr>
<tr>
<td>Free Area Velocity at Point of Beggining Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)</td>
<td>906 fpm (276 m/min.)</td>
</tr>
<tr>
<td>Air Volume at 906 fpm</td>
<td>7484 cfm (3532 l/s)</td>
</tr>
<tr>
<td>Pressure Drop @ 906 fpm</td>
<td>.15 in. w.g. (37 Pa)</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.

Nailor Industries Inc. certifies the Model 1604D 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 ratings and water penetration ratings.

PRESSURE DROP

Air Velocity in Feet (Meters) Per Minute Through Free Area
Louver test size: 48" x 48" (1219 x 1219 mm).
Standard air density @ 0.075 lbs/ft³.
Tested to AMCA Fig. 5.5 – 6.5.

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SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

DATE | B SERIES | SUPERSEDES | DRAWING NO.
--- | --- | --- | ---
7 - 11 - 13 | 1600 | 9 - 16 - 11 | 1604D

Dimensions are in inches (mm).

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