

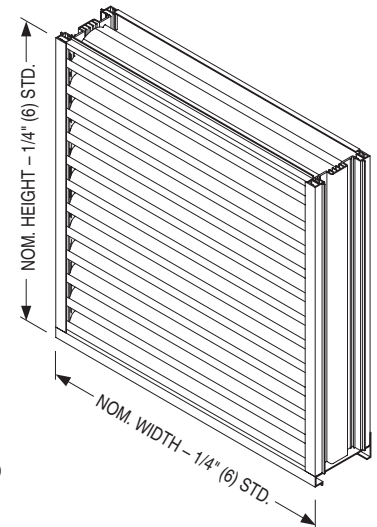


EXTRUDED ALUMINUM STATIONARY LOUVER
WIND-DRIVEN RAIN RESISTANT
5" (127) DEEP • HORIZONTAL BLADE
MODEL: 1605WD

Model 1605WD wind-driven rain horizontal drainable blade louver provides maximum weather protection in a 5" (127) deep frame, with pleasing sight-proof aesthetics that compliment any structure's exterior styling. Suitable for use in exhaust and low to medium velocity intake applications, the drainable head and drainable blade design divert collected water down concealed side downspouts and out the sill. Blades are reinforced with full length integral bosses for superior strength and the 5" (127) deep channel or optional flanged frame installs easily in most common wall configurations. Model 1605WD is AMCA Licensed for wind-driven rain and is engineered to be architecturally appealing as well as mechanically enduring.

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 30 degrees.
- BLADE SPACING:** Approximately 2" (51) on centers.
- BLADE SUPPORT:** Concealed type, factory installed on rear of louver. Size varies based on design pressure, consult Nailor.
- SCREEN:** 5/8" x .050 (15.9 x 1.27) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approx. 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 84" H (3048 x 2134) or 84" W x 120"H (2134 x 3048). 70 sq. ft. (6.5 m²). Larger louvers will require field assembly of smaller sections.



1 1/2" (38) FLANGED FRAME (FL) (OPT.)



OPTIONS:

- BSSS** 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.
- ANDB** Dark Bronze.
- ANBK** Black.

For Installation Instructions, see IOM-LOUVERINSTFPA.

| | | | | | |
|-----------------------|-------------|--------------------------------|-------------------|--------------------|--|
| SCHEDULE TYPE: | | Page 1 of 3 | | | |
| PROJECT: | | Dimensions are in inches (mm). | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. | |
| CONTRACTOR: | 8 - 11 - 20 | 1600 | 1 - 22 - 18 | 1605WD | |



EXTRUDED ALUMINUM STATIONARY LOUVER
WIND-DRIVEN RAIN RESISTANT • 5" (127) DEEP
HORIZONTAL BLADE • PERFORMANCE DATA
MODEL: 1605WD

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

| | | |
|----------------------------|--|-----------------------|
| I N T A K E | Free Area % | 47% |
| | Free Area sq. ft. (sq. m.) | 7.59 (0.71) |
| | Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration) | 1250 fpm (381 m/min.) |
| | Air Volume at 1250 fpm Free Area Velocity | 9,488 cfm (4477 l/s) |
| | Pressure Drop @ 1000 fpm | .22 in. w.g. (55 Pa) |

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

| | | | | | | | | |
|-------------------------|-------|--------|--------|--------|--------|--------|--------|--------|
| Core Ventilation | 0 | 98 | 197 | 295 | 394 | 492 | 591 | 689 |
| Rate in fpm (m/s) | (0.0) | (0.5) | (1.0) | (1.5) | (2.0) | (2.5) | (3.0) | (3.5) |
| Free Area Ventilation | 0 | 206 | 419 | 628 | 838 | 1047 | 1257 | 1466 |
| Rate in fpm (m/s) | (0.0) | (1.05) | (2.13) | (3.19) | (4.26) | (5.32) | (6.39) | (7.45) |
| Effectiveness Ratio (%) | 100 | 100 | 100 | 100 | 100 | 99.6 | 99.5 | 99 |
| Penetration Class | A | A | A | A | A | A | A | A |

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): 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.)

| | | | | | | | | |
|-------------------------|-------|--------|--------|--------|--------|--------|--------|--------|
| Core Ventilation | 0 | 98 | 197 | 295 | 394 | 492 | 591 | 689 |
| Rate in fpm (m/s) | (0.0) | (0.5) | (1.0) | (1.5) | (2.0) | (2.5) | (3.0) | (3.5) |
| Free Area Ventilation | 0 | 206 | 419 | 628 | 838 | 1047 | 1257 | 1466 |
| Rate in fpm (m/s) | (0.0) | (1.05) | (2.13) | (3.19) | (4.26) | (5.32) | (6.39) | (7.45) |
| Effectiveness Ratio (%) | 100 | 99.6 | 99.3 | 99.2 | 98.6 | 98.1 | 97.7 | 96.4 |
| Penetration Class | A | A | A | A | B | B | B | B |

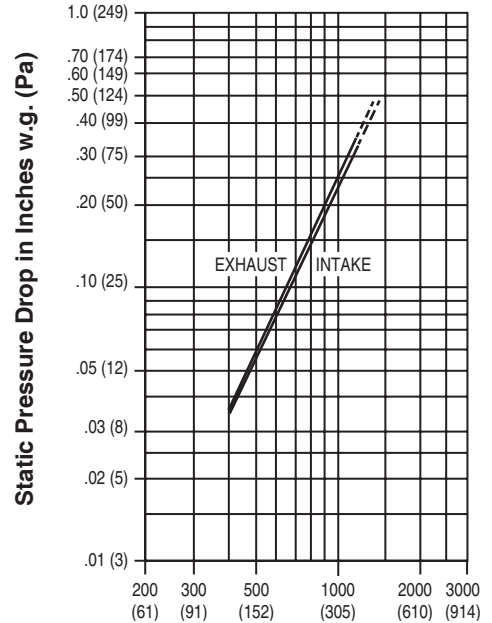
Test was based on a 39.375" x 39.375" (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 8" per hour (203 mm/hour) with a wind velocity of **50 mph (22 m/s)**.

DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 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.)



Nailor Industries Inc. certifies the Model 1605WD 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.

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.

| | | | | |
|-----------------------|--------------------------------|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | Page 2 of 3 | | | |
| PROJECT: | Dimensions are in inches (mm). | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 8 - 11 - 20 | 1600 | 1 - 22 - 18 | 1605WD |



EXTRUDED ALUMINUM STATIONARY LOUVER
WIND-DRIVEN RAIN RESISTANT • 5" (127) DEEP
HORIZONTAL BLADE • PERFORMANCE DATA
MODEL: 1605WD

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 |
| Height in Inches and Meters | 12 | 0.27 | 0.43 | 0.60 | 0.76 | 0.93 | 1.09 | 1.26 | 1.42 | 1.59 | 1.75 | 1.92 | 2.08 | 2.25 | 2.41 | 2.58 | 2.74 | 2.91 | 3.07 | 3.24 |
| | 0.30 | 0.03 | 0.04 | 0.06 | 0.07 | 0.09 | 0.10 | 0.12 | 0.13 | 0.15 | 0.16 | 0.18 | 0.19 | 0.21 | 0.22 | 0.24 | 0.25 | 0.27 | 0.29 | 0.30 |
| | 18 | 0.47 | 0.76 | 1.05 | 1.34 | 1.63 | 1.92 | 2.20 | 2.49 | 2.78 | 3.07 | 3.36 | 3.65 | 3.94 | 4.23 | 4.51 | 4.80 | 5.09 | 5.38 | 5.67 |
| | 0.46 | 0.04 | 0.07 | 0.10 | 0.12 | 0.15 | 0.18 | 0.20 | 0.23 | 0.26 | 0.29 | 0.31 | 0.34 | 0.37 | 0.39 | 0.42 | 0.45 | 0.47 | 0.50 | 0.53 |
| | 24 | 0.74 | 1.19 | 1.65 | 2.10 | 2.56 | 3.01 | 3.46 | 3.92 | 4.37 | 4.82 | 5.28 | 5.73 | 6.19 | 6.64 | 7.09 | 7.55 | 8.00 | 8.45 | 8.91 |
| | 0.61 | 0.07 | 0.11 | 0.15 | 0.20 | 0.24 | 0.28 | 0.32 | 0.36 | 0.41 | 0.45 | 0.49 | 0.53 | 0.57 | 0.62 | 0.66 | 0.70 | 0.74 | 0.79 | 0.83 |
| | 30 | 0.94 | 1.52 | 2.10 | 2.68 | 3.25 | 3.83 | 4.41 | 4.99 | 5.56 | 6.14 | 6.72 | 7.30 | 7.87 | 8.45 | 9.03 | 9.61 | 10.18 | 10.76 | 11.34 |
| | 0.76 | 0.09 | 0.14 | 0.19 | 0.25 | 0.30 | 0.36 | 0.41 | 0.46 | 0.52 | 0.57 | 0.62 | 0.68 | 0.73 | 0.79 | 0.84 | 0.89 | 0.95 | 1.00 | 1.05 |
| | 36 | 1.15 | 1.85 | 2.55 | 3.25 | 3.95 | 4.65 | 5.35 | 6.05 | 6.76 | 7.46 | 8.16 | 8.86 | 9.56 | 10.26 | 10.96 | 11.66 | 12.37 | 13.07 | 13.77 |
| | 0.91 | 0.11 | 0.17 | 0.24 | 0.30 | 0.37 | 0.43 | 0.50 | 0.56 | 0.63 | 0.69 | 0.76 | 0.82 | 0.89 | 0.95 | 1.02 | 1.08 | 1.15 | 1.21 | 1.28 |
| | 42 | 1.35 | 2.17 | 3.00 | 3.82 | 4.65 | 5.47 | 6.30 | 7.12 | 7.95 | 8.77 | 9.60 | 10.42 | 11.25 | 12.07 | 12.90 | 13.72 | 14.55 | 15.37 | 16.20 |
| | 1.07 | 0.13 | 0.20 | 0.28 | 0.36 | 0.43 | 0.51 | 0.59 | 0.66 | 0.74 | 0.81 | 0.89 | 0.97 | 1.04 | 1.12 | 1.20 | 1.27 | 1.35 | 1.43 | 1.50 |
| | 48 | 1.62 | 2.61 | 3.60 | 4.59 | 5.58 | 6.57 | 7.59 | 8.55 | 9.54 | 10.53 | 11.52 | 12.51 | 13.50 | 14.49 | 15.48 | 16.47 | 17.46 | 18.45 | 19.44 |
| | 1.22 | 0.15 | 0.24 | 0.33 | 0.43 | 0.52 | 0.61 | 0.71 | 0.79 | 0.89 | 0.98 | 1.07 | 1.16 | 1.25 | 1.35 | 1.44 | 1.53 | 1.62 | 1.71 | 1.81 |
| | 54 | 1.82 | 2.93 | 4.05 | 5.16 | 6.27 | 7.39 | 8.50 | 9.62 | 10.73 | 11.84 | 12.96 | 14.07 | 15.18 | 16.30 | 17.41 | 18.53 | 19.64 | 20.75 | 21.87 |
| | 1.37 | 0.17 | 0.27 | 0.38 | 0.48 | 0.58 | 0.69 | 0.79 | 0.89 | 1.00 | 1.10 | 1.20 | 1.31 | 1.41 | 1.51 | 1.62 | 1.72 | 1.82 | 1.93 | 2.03 |
| 60 | 2.02 | 3.26 | 4.50 | 5.73 | 6.97 | 8.21 | 9.45 | 10.68 | 11.92 | 13.16 | 14.40 | 15.63 | 16.87 | 18.11 | 19.35 | 20.58 | 21.82 | 23.06 | 24.30 | |
| 1.52 | 0.19 | 0.30 | 0.42 | 0.53 | 0.65 | 0.76 | 0.88 | 0.99 | 1.11 | 1.22 | 1.34 | 1.45 | 1.57 | 1.68 | 1.80 | 1.91 | 2.03 | 2.14 | 2.26 | |
| 66 | 2.22 | 3.58 | 4.95 | 6.31 | 7.67 | 9.03 | 10.39 | 11.75 | 13.11 | 14.47 | 15.84 | 17.20 | 18.56 | 19.92 | 21.28 | 22.64 | 24.00 | 25.36 | 26.73 | |
| 1.68 | 0.21 | 0.33 | 0.46 | 0.59 | 0.71 | 0.84 | 0.97 | 1.09 | 1.22 | 1.34 | 1.47 | 1.60 | 1.72 | 1.85 | 1.98 | 2.10 | 2.23 | 2.36 | 2.48 | |
| 72 | 2.49 | 4.02 | 5.55 | 7.07 | 8.60 | 10.12 | 11.65 | 13.18 | 14.70 | 16.23 | 17.76 | 19.28 | 20.81 | 22.33 | 23.86 | 25.39 | 26.91 | 28.44 | 29.97 | |
| 1.83 | 0.23 | 0.37 | 0.52 | 0.66 | 0.80 | 0.94 | 1.08 | 1.22 | 1.37 | 1.51 | 1.65 | 1.79 | 1.93 | 2.07 | 2.22 | 2.36 | 2.50 | 2.64 | 2.78 | |
| 78 | 2.70 | 4.35 | 6.00 | 7.65 | 9.30 | 10.95 | 12.60 | 14.25 | 15.90 | 17.55 | 19.20 | 20.85 | 22.50 | 24.15 | 25.80 | 27.45 | 29.10 | 30.75 | 32.40 | |
| 1.98 | 0.25 | 0.40 | 0.56 | 0.71 | 0.86 | 1.02 | 1.17 | 1.32 | 1.48 | 1.63 | 1.78 | 1.94 | 2.09 | 2.24 | 2.40 | 2.55 | 2.70 | 2.86 | 3.01 | |
| 84 | 2.90 | 4.67 | 6.44 | 8.22 | 9.99 | 11.77 | 13.54 | 15.31 | 17.09 | 18.86 | 20.63 | 22.41 | 24.18 | 25.96 | 27.73 | 29.50 | 31.28 | 33.05 | 34.82 | |
| 2.13 | 0.27 | 0.43 | 0.60 | 0.76 | 0.93 | 1.09 | 1.26 | 1.42 | 1.59 | 1.75 | 1.92 | 2.08 | 2.25 | 2.41 | 2.58 | 2.74 | 2.91 | 3.07 | 3.24 | |
| 90 | 3.10 | 5.00 | 6.89 | 8.79 | 10.69 | 12.59 | 14.48 | 16.38 | 18.28 | 20.18 | 22.07 | 23.97 | 25.87 | | | | | | | |
| 2.29 | 0.29 | 0.46 | 0.64 | 0.82 | 0.99 | 1.17 | 1.35 | 1.52 | 1.70 | 1.87 | 2.05 | 2.23 | 2.40 | | | | | | | |
| 96 | 3.30 | 5.32 | 7.34 | 9.37 | 11.39 | 13.41 | 15.43 | 17.45 | 19.47 | 21.49 | 23.51 | 25.54 | | | | | | | | |
| 2.44 | 0.31 | 0.49 | 0.68 | 0.87 | 1.06 | 1.25 | 1.43 | 1.62 | 1.81 | 2.00 | 2.18 | 2.37 | 2.56 | | | | | | | |
| 102 | 3.57 | 5.76 | 7.94 | 10.13 | 12.32 | 14.50 | 16.69 | 18.87 | 21.06 | 23.25 | 25.43 | 27.62 | 29.81 | | | | | | | |
| 2.59 | 0.33 | 0.53 | 0.74 | 0.94 | 1.14 | 1.35 | 1.55 | 1.75 | 1.96 | 2.16 | 2.36 | 2.57 | 2.77 | | | | | | | |
| 108 | 3.77 | 6.08 | 8.39 | 10.70 | 13.01 | 15.32 | 17.63 | 19.94 | 22.25 | 24.56 | 26.87 | 29.18 | 31.49 | | | | | | | |
| 2.74 | 0.35 | 0.57 | 0.78 | 0.99 | 1.21 | 1.42 | 1.64 | 1.85 | 2.07 | 2.28 | 2.50 | 2.71 | 2.93 | | | | | | | |
| 114 | 3.98 | 6.41 | 8.84 | 11.28 | 13.71 | 16.14 | 18.58 | 21.01 | 23.45 | 25.88 | 28.31 | 30.75 | 33.18 | | | | | | | |
| 2.90 | 0.37 | 0.60 | 0.82 | 1.05 | 1.27 | 1.50 | 1.73 | 1.95 | 2.18 | 2.40 | 2.63 | 2.86 | 3.08 | | | | | | | |
| 120 | 4.18 | 6.73 | 9.29 | 11.85 | 14.41 | 16.96 | 19.52 | 22.08 | 24.64 | 27.19 | 29.75 | 32.31 | 34.87 | | | | | | | |
| 3.05 | 0.39 | 0.63 | 0.86 | 1.10 | 1.34 | 1.58 | 1.81 | 2.05 | 2.29 | 2.53 | 2.76 | 3.00 | 3.24 | | | | | | | |



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 3 of 3
 Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

8 - 11 - 20

1600

1 - 22 - 18

1605WD



EXTRUDED ALUMINUM STATIONARY LOUVER
HIGH VELOCITY WIND-DRIVEN RAIN AND IMPACT RESISTANT
5" (127) DEEP • VERTICAL BLADE
MODEL: 1605WDV

QUALIFICATIONS:

- AMCA 500-L (Wind-Driven Rain, Water Penetration, Air Performance).
- AMCA 540 (Wind-Borne Debris Impact Test [Enhanced "Level E" Protection]).
- AMCA 550 (High Velocity Wind-Driven Rain Resistance Test).
- Wind load rating +/- 70 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, .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:** 3/4" x .050 (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).
- MAX. SINGLE SECTION SIZE:** 72" W x 120" H (1829 x 3048) or 120" W x 72" H (3048 x 1829). 60 sq. ft. (5.6 m²). Larger louvers will require field assembly of smaller sections.
- MAXIMUM SIZE:** Unlimited Width x 120" H (3048).

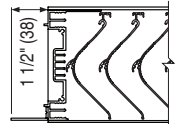
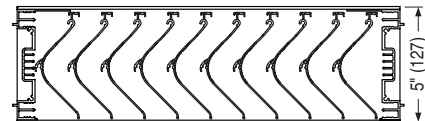
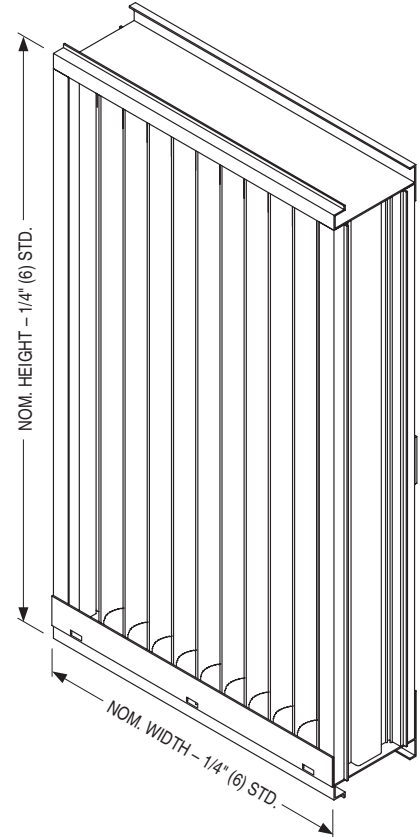
OPTIONS:

- 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.
- ESI** Extended Sill.
- PASI** Sill Pan.
- PAAA** Perimeter Anchor Angles (Aluminum, Continuous).
- 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.



FLANGED FRAME (FL) (OPT.)



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 3
 Dimensions are in inches (mm).

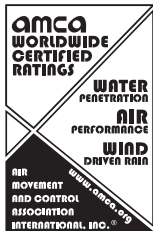
| DATE | B SERIES | SUPERSEDES | DRAWING NO. |
|-------------|----------|-------------|-------------|
| 6 - 25 - 21 | 1600 | 4 - 19 - 21 | 1605WDV |



EXTRUDED ALUMINUM STATIONARY LOUVER
HIGH VELOCITY WIND-DRIVEN RAIN AND IMPACT RESISTANT
5" (127) DEEP • VERTICAL BLADE • PERFORMANCE DATA
MODEL: 1605WDV

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 |
| Height in Inches and Meters | 12 | 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 |
| | 0.30 | 0.28 | 0.51 | 0.74 | 0.96 | 1.19 | 1.42 | 1.65 | 1.87 | 2.10 | 2.33 | 2.55 | 2.78 | 3.01 | 3.24 | 3.46 | 3.69 | 3.92 | 4.14 | 4.37 |
| | 18 | 0.03 | 0.05 | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.17 | 0.20 | 0.22 | 0.24 | 0.26 | 0.28 | 0.30 | 0.32 | 0.34 | 0.36 | 0.38 | 0.41 |
| | 0.46 | 0.49 | 0.89 | 1.28 | 1.68 | 2.07 | 2.47 | 2.86 | 3.26 | 3.65 | 4.05 | 4.44 | 4.83 | 5.23 | 5.62 | 6.02 | 6.41 | 6.81 | 7.20 | 7.60 |
| | 0.46 | 0.05 | 0.08 | 0.12 | 0.16 | 0.19 | 0.23 | 0.27 | 0.30 | 0.34 | 0.38 | 0.41 | 0.45 | 0.49 | 0.52 | 0.56 | 0.60 | 0.63 | 0.67 | 0.71 |
| | 24 | 0.63 | 1.14 | 1.65 | 2.15 | 2.66 | 3.17 | 3.67 | 4.18 | 4.69 | 5.19 | 5.70 | 6.20 | 6.71 | 7.22 | 7.72 | 8.23 | 8.74 | 9.24 | 9.75 |
| | 0.61 | 0.06 | 0.11 | 0.15 | 0.20 | 0.25 | 0.29 | 0.34 | 0.39 | 0.44 | 0.48 | 0.53 | 0.58 | 0.62 | 0.67 | 0.72 | 0.76 | 0.81 | 0.86 | 0.91 |
| | 30 | 0.84 | 1.52 | 2.19 | 2.87 | 3.54 | 4.21 | 4.89 | 5.56 | 6.24 | 6.91 | 7.58 | 8.26 | 8.93 | 9.61 | 10.28 | 10.96 | 11.63 | 12.30 | 12.98 |
| | 0.76 | 0.08 | 0.14 | 0.20 | 0.27 | 0.33 | 0.39 | 0.45 | 0.52 | 0.58 | 0.64 | 0.70 | 0.77 | 0.83 | 0.89 | 0.96 | 1.02 | 1.08 | 1.14 | 1.21 |
| | 36 | 1.05 | 1.89 | 2.74 | 3.58 | 4.42 | 5.26 | 6.10 | 6.95 | 7.79 | 8.63 | 9.47 | 10.31 | 11.15 | 12.00 | 12.84 | 13.68 | 14.52 | 15.36 | 16.21 |
| | 0.36 | 0.10 | 0.18 | 0.25 | 0.33 | 0.41 | 0.49 | 0.57 | 0.65 | 0.72 | 0.80 | 0.88 | 0.96 | 1.04 | 1.11 | 1.19 | 1.27 | 1.35 | 1.43 | 1.51 |
| | 42 | 1.26 | 2.27 | 3.28 | 4.29 | 5.30 | 6.31 | 7.32 | 8.33 | 9.34 | 10.35 | 11.36 | 12.37 | 13.38 | 14.39 | 15.39 | 16.40 | 17.41 | 18.42 | 19.43 |
| | 1.07 | 0.12 | 0.21 | 0.30 | 0.40 | 0.49 | 0.59 | 0.68 | 0.77 | 0.87 | 0.96 | 1.06 | 1.15 | 1.24 | 1.34 | 1.43 | 1.52 | 1.62 | 1.71 | 1.81 |
| | 48 | 1.47 | 2.65 | 3.83 | 5.00 | 6.18 | 7.36 | 8.53 | 9.71 | 10.89 | 12.07 | 13.24 | 14.42 | 15.60 | 16.77 | 17.95 | 19.13 | 20.31 | 21.48 | 22.66 |
| | 1.22 | 0.14 | 0.25 | 0.36 | 0.46 | 0.57 | 0.68 | 0.79 | 0.90 | 1.01 | 1.12 | 1.23 | 1.34 | 1.45 | 1.56 | 1.67 | 1.78 | 1.89 | 2.00 | 2.11 |
| | 54 | 1.68 | 3.03 | 4.37 | 5.72 | 7.06 | 8.41 | 9.75 | 11.09 | 12.44 | 13.78 | 15.13 | 16.47 | 17.82 | 19.16 | 20.51 | 21.85 | 23.20 | 24.54 | 25.89 |
| | 1.37 | 0.16 | 0.28 | 0.41 | 0.53 | 0.66 | 0.78 | 0.91 | 1.03 | 1.16 | 1.28 | 1.41 | 1.53 | 1.66 | 1.78 | 1.91 | 2.03 | 2.16 | 2.28 | 2.40 |
| | 60 | 1.89 | 3.40 | 4.92 | 6.43 | 7.94 | 9.45 | 10.97 | 12.48 | 13.99 | 15.50 | 17.02 | 18.53 | 20.04 | 21.55 | 23.07 | 24.58 | 26.09 | 27.60 | 29.12 |
| | 1.52 | 0.18 | 0.32 | 0.46 | 0.60 | 0.74 | 0.88 | 1.02 | 1.16 | 1.30 | 1.44 | 1.58 | 1.72 | 1.86 | 2.00 | 2.14 | 2.28 | 2.42 | 2.56 | 2.70 |
| | 66 | 2.10 | 3.78 | 5.46 | 7.14 | 8.82 | 10.50 | 12.18 | 13.86 | 15.54 | 17.22 | 18.90 | 20.58 | 22.26 | 23.94 | 25.62 | 27.30 | 28.98 | 30.66 | 32.34 |
| 1.68 | 0.20 | 0.35 | 0.51 | 0.66 | 0.82 | 0.98 | 1.13 | 1.29 | 1.44 | 1.60 | 1.76 | 1.91 | 2.07 | 2.22 | 2.38 | 2.54 | 2.69 | 2.85 | 3.00 | |
| 72 | 2.31 | 4.16 | 6.01 | 7.85 | 9.70 | 11.55 | 13.40 | 15.24 | 17.09 | 18.94 | 20.79 | 22.64 | 24.48 | 26.33 | 28.18 | 30.03 | 31.88 | 33.72 | 35.57 | |
| 1.83 | 0.21 | 0.39 | 0.56 | 0.73 | 0.90 | 1.07 | 1.24 | 1.42 | 1.59 | 1.76 | 1.93 | 2.10 | 2.27 | 2.45 | 2.62 | 2.79 | 2.96 | 3.13 | 3.30 | |
| 78 | 2.52 | 4.53 | 6.55 | 8.57 | 10.58 | 12.60 | 14.61 | 16.63 | 18.64 | 20.66 | 22.67 | | | | | | | | | |
| 1.98 | 0.23 | 0.42 | 0.61 | 0.80 | 0.98 | 1.17 | 1.36 | 1.54 | 1.73 | 1.92 | 2.11 | | | | | | | | | |
| 84 | 2.73 | 4.91 | 7.10 | 9.28 | 11.46 | 13.64 | 15.83 | 18.01 | 20.19 | 22.38 | 24.56 | | | | | | | | | |
| 2.13 | 0.25 | 0.46 | 0.66 | 0.86 | 1.06 | 1.27 | 1.47 | 1.67 | 1.88 | 2.08 | 2.28 | | | | | | | | | |
| 90 | 2.94 | 5.29 | 7.64 | 9.99 | 12.34 | 14.69 | 17.04 | 19.39 | 21.75 | 24.10 | 26.45 | | | | | | | | | |
| 2.29 | 0.27 | 0.49 | 0.71 | 0.93 | 1.15 | 1.36 | 1.58 | 1.80 | 2.02 | 2.24 | 2.46 | | | | | | | | | |
| 96 | 3.15 | 5.67 | 8.19 | 10.70 | 13.22 | 15.74 | 18.26 | 20.78 | 23.30 | 25.81 | 28.33 | | | | | | | | | |
| 2.44 | 0.29 | 0.53 | 0.76 | 0.99 | 1.23 | 1.46 | 1.70 | 1.93 | 2.16 | 2.40 | 2.63 | | | | | | | | | |
| 102 | 3.36 | 6.04 | 8.73 | 11.42 | 14.10 | 16.79 | 19.47 | 22.16 | 24.85 | 27.53 | 30.22 | | | | | | | | | |
| 2.59 | 0.31 | 0.56 | 0.81 | 1.06 | 1.31 | 1.56 | 1.81 | 2.06 | 2.31 | 2.56 | 2.81 | | | | | | | | | |
| 108 | 3.57 | 6.42 | 9.27 | 12.13 | 14.98 | 17.84 | 20.69 | 23.54 | 26.40 | 29.25 | 32.11 | | | | | | | | | |
| 2.74 | 0.33 | 0.60 | 0.86 | 1.13 | 1.39 | 1.66 | 1.92 | 2.19 | 2.45 | 2.72 | 2.98 | | | | | | | | | |
| 114 | 3.78 | 6.80 | 9.82 | 12.84 | 15.86 | 18.88 | 21.91 | 24.93 | 27.95 | 30.97 | 33.99 | | | | | | | | | |
| 2.90 | 0.35 | 0.63 | 0.91 | 1.19 | 1.47 | 1.75 | 2.04 | 2.32 | 2.60 | 2.88 | 3.16 | | | | | | | | | |
| 120 | 3.99 | 7.18 | 10.36 | 13.55 | 16.74 | 19.93 | 23.12 | 26.31 | 29.50 | 32.69 | 35.88 | | | | | | | | | |
| 3.05 | 0.37 | 0.67 | 0.96 | 1.26 | 1.56 | 1.85 | 2.15 | 2.44 | 2.74 | 3.04 | 3.33 | | | | | | | | | |



| | | | | |
|-----------------------|--------------------------------|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | Page 2 of 3 | | | |
| PROJECT: | Dimensions are in inches (mm). | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 6 - 25 - 21 | 1600 | 4 - 19 - 21 | 1605WDV |



**EXTRUDED ALUMINUM STATIONARY LOUVER
HIGH VELOCITY WIND-DRIVEN RAIN AND IMPACT RESISTANT
5" (127) DEEP • VERTICAL BLADE • PERFORMANCE DATA
MODEL: 1605WDV**

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

| | | |
|----------------------------|--|------------------------|
| Free Area % | | 53% |
| Free Area sq. ft. (sq. m.) | | 8.53 (0.79) |
| I N T A K E | Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration) | 1250 fpm (381 m/min.)* |
| | Air Volume at 1250 fpm | 10,663 cfm (5032 l/s) |
| | Free Area Velocity | |
| | Pressure Drop @ 1250 fpm | .29 in. w.g. (72 Pa) |

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the beginning point of 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

| | | | | | | | | | | | |
|---|----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Core Ventilation Rate in fpm (m/s) | 0 (0.00) | 110 (0.56) | 195 (0.99) | 279 (1.42) | 396 (2.01) | 497 (2.52) | 588 (2.99) | 701 (3.56) | 781 (3.97) | 891 (4.53) | 984 (5.00) |
| Free Area Ventilation Rate in fpm (m/s) | 0 (0.00) | 208 (1.06) | 368 (1.87) | 526 (2.67) | 747 (3.79) | 938 (4.77) | 1109 (5.63) | 1323 (6.72) | 1474 (7.49) | 1681 (8.54) | 1857 (9.43) |
| Effectiveness Ratio (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Penetration Class | A | A | A | A | A | A | A | A | A | A | A |

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)**.

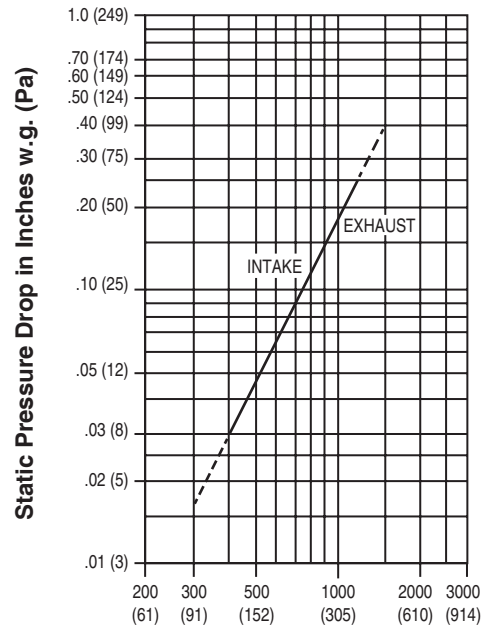
DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 2. (Discharge Loss Coefficient Classification is as follows: 1=0.4 and above, 2=0.3 to 0.399, 3 = 0.2 to 0.299, 4 = 0.199 and below.)

| | | | | | | | | | | | |
|---|----------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Core Ventilation Rate in fpm (m/s) | 0 (0.00) | 88 (0.45) | 199 (1.01) | 301 (1.53) | 400 (2.03) | 485 (2.46) | 590 (3.00) | 687 (3.49) | 787 (4.00) | 883 (4.49) | 987 (5.01) |
| Free Area Ventilation Rate in fpm (m/s) | 0 (0.00) | 166 (0.84) | 375 (1.91) | 568 (2.89) | 755 (3.84) | 915 (4.65) | 1113 (5.65) | 1296 (6.58) | 1485 (7.54) | 1666 (8.46) | 1862 (9.46) |
| Effectiveness Ratio (%) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Penetration Class | A | A | A | A | A | A | A | A | A | A | A |

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.)

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.



Nailor Industries Inc. certifies the Model 1605WDV 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.



Nailor Industries Inc. certifies that the 1605WDV 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 Wind Borne Debris Impact Resistant Louvers. The AMCA Listing Label applies to High Velocity Wind Driven Rain Resistant Louvers.

| | | | | |
|-----------------------|---|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | Page 3 of 3 Dimensions are in inches (mm). | | | |
| PROJECT: | | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 6 - 25 - 21 | 1600 | 4 - 19 - 21 | 1605WDV |

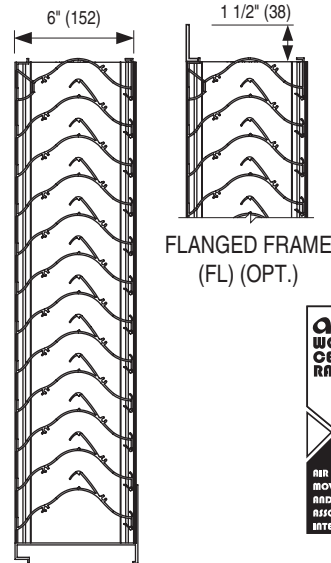
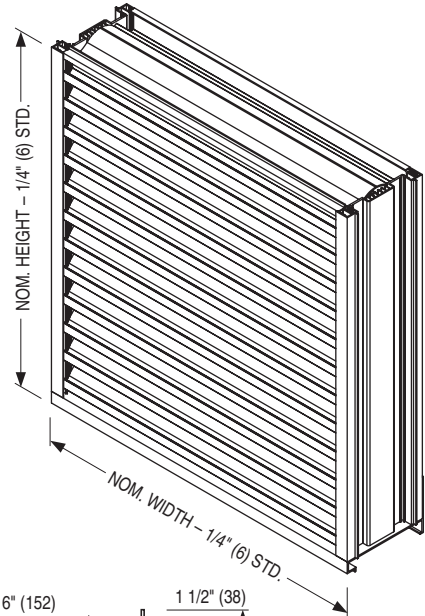


EXTRUDED ALUMINUM STATIONARY LOUVER
WIND-DRIVEN RAIN RESISTANT
6" (152) DEEP • HORIZONTAL BLADE
MODEL: 1606WD

Model 1606WD Wind-Driven Resistant Horizontal Drainable Blade Louver provides maximum weather protection in a 6" (152) deep frame, with pleasing sight-proof aesthetics that compliment any structure's exterior styling. Suitable for use in exhaust and low to medium velocity intake applications, the drainable head and drainable blade design divert collected water down concealed side downspouts and out the sill. Blades are reinforced with full length integral bosses for superior strength and the 6" (152) deep channel or optional flanged frame installs easily in most common wall configurations. Model 1606WD is AMCA Licensed for Wind-Driven Rain, Water Penetration and Air Performance.

STANDARD CONSTRUCTION:

- FRAME:** 6" (152) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.
- BLADES:** Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness, with reinforcing bosses.
- BLADE ANGLE:** Fixed at 30 degrees.
- BLADE SPACING:** Approximately 1.94" (49) 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 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 downspouts.
- SCREEN:** 5/8" x .050 (15.9 x 1.27) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approx. 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 84" H (3048 x 2134) or 84" W x 120" H (2134 x 3048). 70 sq. ft. (6.5 m²). Larger louvers will require field assembly of smaller sections.



FLANGED FRAME (FL) (OPT.)



OPTIONS:

- BSSS** 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.
- FR1** 1" (25) Filter Rack.
- FR2** 2" (51) Filter Rack.
- PAC** Perimeter Anchor Clips.
- 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.

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).

| | | | | |
|-----------------------|--------------------------------|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | Page 1 of 3 | | | |
| PROJECT: | Dimensions are in inches (mm). | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 1 - 13 - 22 | 1600F | 10 - 31 - 18 | 1606WD |



EXTRUDED ALUMINUM STATIONARY LOUVER
WIND-DRIVEN RAIN RESISTANT • 6" (152) DEEP
HORIZONTAL BLADE • PERFORMANCE DATA
MODEL: 1606WD

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

| | | |
|----------------------------|--|------------------------|
| Free Area % | | 47% |
| Free Area sq. ft. (sq. m.) | | 7.52 (0.70) |
| I N T A K E | Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration) | 1250 fpm (381 m/min.)* |
| | Air Volume at 1250 fpm | 9,400 cfm (4436 l/s) |
| | Free Area Velocity | |
| | Pressure Drop @ 1250 fpm | .20 in. w.g. (50 Pa) |

NOTE: To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is **below** the beginning point of 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

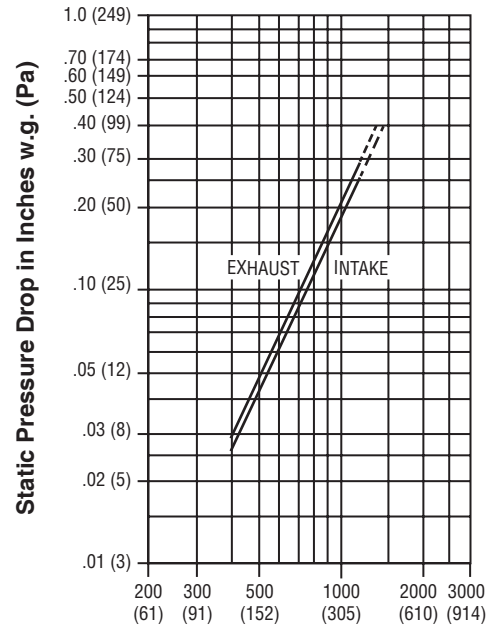
| | | | | | | | | | |
|-------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Core Ventilation | 0 | 98 | 197 | 295 | 394 | 492 | 591 | 668 | 763 |
| Rate in fpm (m/s) | (0.0) | (0.5) | (1.0) | (1.5) | (2.0) | (2.5) | (3.0) | (3.39) | (3.88) |
| Free Area Ventilation | 0 | 209 | 419 | 628 | 838 | 1047 | 1257 | 1421 | 1623 |
| Rate in fpm (m/s) | (0.0) | (1.06) | (2.13) | (3.19) | (4.26) | (5.32) | (6.39) | (7.22) | (8.24) |
| Effectiveness Ratio (%) | 100 | 99.6 | 99.2 | 98.7 | 98.4 | 98.4 | 98.3 | 97.8 | 97.3 |
| Penetration Class | A | A | A | B | B | B | B | B | B |

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.)

| | | | | | | | | | |
|-------------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| Core Ventilation | 0 | 98 | 197 | 295 | 394 | 492 | 591 | 668 | 763 |
| Rate in fpm (m/s) | (0.0) | (0.5) | (1.0) | (1.5) | (2.0) | (2.5) | (3.0) | (3.39) | (3.88) |
| Free Area Ventilation | 0 | 209 | 419 | 628 | 838 | 1047 | 1257 | 1421 | 1623 |
| Rate in fpm (m/s) | (0.0) | (1.06) | (2.13) | (3.19) | (4.26) | (5.32) | (6.39) | (7.22) | (8.24) |
| Effectiveness Ratio (%) | 100 | 99.5 | 99.4 | 99.2 | 98.6 | 98.7 | 98.4 | 97.9 | 97.4 |
| Penetration Class | A | A | A | A | B | B | B | B | B |

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.)

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.



Nailor Industries Inc. certifies the Model 1606WD 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: | Page 2 of 3 | | | |
| PROJECT: | Dimensions are in inches (mm). | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 1 - 13 - 22 | 1600F | 10 - 31 - 18 | 1606WDF |



EXTRUDED ALUMINUM STATIONARY LOUVER
WIND-DRIVEN RAIN RESISTANT • 6" (152) DEEP
HORIZONTAL BLADE • PERFORMANCE DATA
MODEL: 1606WD

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 |
| Height in Inches and Meters | 12 | 0.28 | 0.45 | 0.62 | 0.79 | 0.97 | 1.14 | 1.31 | 1.48 | 1.65 | 1.82 | 1.99 | 2.16 | 2.34 | 2.51 | 2.68 | 2.85 | 3.02 | 3.19 | 3.36 |
| | 0.30 | 0.03 | 0.04 | 0.06 | 0.07 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 | 0.17 | 0.19 | 0.20 | 0.22 | 0.23 | 0.25 | 0.26 | 0.28 | 0.30 | 0.31 |
| | 18 | 0.56 | 0.90 | 1.25 | 1.59 | 1.93 | 2.27 | 2.62 | 2.96 | 3.30 | 3.64 | 3.99 | 4.33 | 4.67 | 5.01 | 5.36 | 5.70 | 6.04 | 6.39 | 6.73 |
| | 0.46 | 0.05 | 0.08 | 0.12 | 0.15 | 0.18 | 0.21 | 0.24 | 0.27 | 0.31 | 0.34 | 0.37 | 0.40 | 0.43 | 0.47 | 0.50 | 0.53 | 0.56 | 0.59 | 0.63 |
| | 24 | 0.77 | 1.24 | 1.71 | 2.18 | 2.65 | 3.13 | 3.60 | 4.07 | 4.54 | 5.01 | 5.48 | 5.95 | 6.42 | 6.89 | 7.37 | 7.84 | 8.31 | 8.78 | 9.25 |
| | 0.61 | 0.07 | 0.12 | 0.16 | 0.20 | 0.25 | 0.29 | 0.33 | 0.38 | 0.42 | 0.47 | 0.51 | 0.55 | 0.60 | 0.64 | 0.68 | 0.73 | 0.77 | 0.82 | 0.86 |
| | 30 | 0.98 | 1.58 | 2.18 | 2.78 | 3.38 | 3.98 | 4.58 | 5.18 | 5.78 | 6.38 | 6.98 | 7.58 | 8.18 | 8.78 | 9.37 | 9.97 | 10.57 | 11.17 | 11.77 |
| | 0.76 | 0.09 | 0.15 | 0.20 | 0.26 | 0.31 | 0.37 | 0.43 | 0.48 | 0.54 | 0.59 | 0.65 | 0.70 | 0.76 | 0.82 | 0.87 | 0.93 | 0.98 | 1.04 | 1.09 |
| | 36 | 1.19 | 1.92 | 2.65 | 3.37 | 4.10 | 4.83 | 5.56 | 6.29 | 7.01 | 7.74 | 8.47 | 9.20 | 9.93 | 10.66 | 11.38 | 12.11 | 12.84 | 13.57 | 14.30 |
| | 0.36 | 0.11 | 0.18 | 0.25 | 0.31 | 0.38 | 0.45 | 0.52 | 0.58 | 0.65 | 0.72 | 0.79 | 0.85 | 0.92 | 0.99 | 1.06 | 1.13 | 1.19 | 1.26 | 1.33 |
| | 42 | 1.40 | 2.26 | 3.11 | 3.97 | 4.83 | 5.68 | 6.54 | 7.40 | 8.25 | 9.11 | 9.97 | 10.82 | 11.68 | 12.54 | 13.39 | 14.25 | 15.11 | 15.96 | 16.82 |
| | 1.07 | 0.13 | 0.21 | 0.29 | 0.37 | 0.45 | 0.53 | 0.61 | 0.69 | 0.77 | 0.85 | 0.93 | 1.01 | 1.08 | 1.16 | 1.24 | 1.32 | 1.40 | 1.48 | 1.56 |
| | 48 | 1.61 | 2.59 | 3.58 | 4.56 | 5.55 | 6.53 | 7.52 | 8.51 | 9.49 | 10.48 | 11.46 | 12.45 | 13.43 | 14.42 | 15.40 | 16.39 | 17.37 | 18.36 | 19.34 |
| | 1.22 | 0.15 | 0.24 | 0.33 | 0.42 | 0.52 | 0.61 | 0.70 | 0.79 | 0.88 | 0.97 | 1.06 | 1.16 | 1.25 | 1.34 | 1.43 | 1.52 | 1.61 | 1.71 | 1.80 |
| | 54 | 1.89 | 3.05 | 4.20 | 5.36 | 6.51 | 7.67 | 8.83 | 9.98 | 11.14 | 12.30 | 13.45 | 14.61 | 15.77 | 16.92 | 18.08 | 19.24 | 20.39 | 21.55 | 22.71 |
| | 1.37 | 0.18 | 0.28 | 0.39 | 0.50 | 0.61 | 0.71 | 0.82 | 0.93 | 1.03 | 1.14 | 1.25 | 1.36 | 1.46 | 1.57 | 1.68 | 1.79 | 1.89 | 2.00 | 2.11 |
| | 60 | 2.10 | 3.38 | 4.67 | 5.95 | 7.24 | 8.52 | 9.81 | 11.09 | 12.38 | 13.66 | 14.95 | 16.23 | 17.52 | 18.80 | 20.09 | 21.37 | 22.66 | 23.94 | 25.23 |
| 1.52 | 0.19 | 0.31 | 0.43 | 0.55 | 0.67 | 0.79 | 0.91 | 1.03 | 1.15 | 1.27 | 1.39 | 1.51 | 1.63 | 1.75 | 1.87 | 1.99 | 2.11 | 2.22 | 2.34 | |
| 66 | 2.31 | 3.72 | 5.14 | 6.55 | 7.96 | 9.38 | 10.79 | 12.20 | 13.62 | 15.03 | 16.44 | 17.86 | 19.27 | 20.68 | 22.10 | 23.51 | 24.92 | 26.34 | 27.75 | |
| 1.68 | 0.21 | 0.35 | 0.48 | 0.61 | 0.74 | 0.87 | 1.00 | 1.13 | 1.26 | 1.40 | 1.53 | 1.66 | 1.79 | 1.92 | 2.05 | 2.18 | 2.32 | 2.45 | 2.58 | |
| 72 | 2.59 | 4.17 | 5.76 | 7.34 | 8.93 | 10.51 | 12.10 | 13.68 | 15.27 | 16.85 | 18.44 | 20.02 | 21.61 | 23.19 | 24.78 | 26.36 | 27.95 | 29.53 | 31.12 | |
| 1.83 | 0.24 | 0.39 | 0.53 | 0.68 | 0.83 | 0.98 | 1.12 | 1.27 | 1.42 | 1.57 | 1.71 | 1.86 | 2.01 | 2.15 | 2.30 | 2.45 | 2.60 | 2.74 | 2.89 | |
| 78 | 2.80 | 4.51 | 6.23 | 7.94 | 9.65 | 11.37 | 13.08 | 14.79 | 16.51 | 18.22 | 19.93 | 21.65 | 23.36 | 25.07 | 26.79 | 28.50 | 30.21 | 31.93 | 33.64 | |
| 1.98 | 0.26 | 0.42 | 0.58 | 0.74 | 0.90 | 1.06 | 1.21 | 1.37 | 1.53 | 1.69 | 1.85 | 2.01 | 2.17 | 2.33 | 2.49 | 2.65 | 2.81 | 2.97 | 3.13 | |
| 84 | 3.01 | 4.85 | 6.69 | 8.53 | 10.38 | 12.22 | 14.06 | 15.90 | 17.74 | 19.58 | 21.43 | 23.27 | 25.11 | 26.95 | 28.79 | 30.64 | 32.48 | 34.32 | 36.16 | |
| 2.13 | 0.28 | 0.45 | 0.62 | 0.79 | 0.96 | 1.14 | 1.31 | 1.48 | 1.65 | 1.82 | 1.99 | 2.16 | 2.33 | 2.50 | 2.67 | 2.85 | 3.02 | 3.19 | 3.36 | |
| 90 | 3.22 | 5.19 | 7.16 | 9.13 | 11.10 | 13.07 | 15.04 | 17.01 | 18.98 | 20.95 | 22.92 | 24.89 | 26.86 | 28.83 | 30.80 | 32.77 | 34.74 | 36.71 | 38.68 | |
| 2.29 | 0.30 | 0.48 | 0.67 | 0.85 | 1.03 | 1.21 | 1.40 | 1.58 | 1.76 | 1.95 | 2.13 | 2.31 | 2.50 | 2.68 | 2.86 | 3.04 | 3.23 | 3.41 | 3.59 | |
| 96 | 3.43 | 5.53 | 7.63 | 9.72 | 11.82 | 13.92 | 16.02 | 18.12 | 20.22 | 22.32 | 24.42 | 26.52 | 28.61 | 30.71 | 32.81 | 34.91 | 37.01 | 39.11 | 41.21 | |
| 2.44 | 0.32 | 0.51 | 0.71 | 0.90 | 1.10 | 1.29 | 1.49 | 1.68 | 1.88 | 2.07 | 2.27 | 2.46 | 2.66 | 2.85 | 3.05 | 3.24 | 3.44 | 3.63 | 3.83 | |
| 102 | 3.71 | 5.98 | 8.25 | 10.52 | 12.79 | 15.06 | 17.33 | 19.60 | 21.87 | 24.14 | 26.41 | 28.68 | 30.95 | 33.22 | 35.49 | 37.76 | 40.03 | 42.30 | 44.57 | |
| 2.59 | 0.34 | 0.56 | 0.77 | 0.98 | 1.19 | 1.40 | 1.61 | 1.82 | 2.03 | 2.24 | 2.45 | 2.66 | 2.88 | 3.09 | 3.30 | 3.51 | 3.72 | 3.93 | 4.14 | |
| 108 | 3.92 | 6.32 | 8.72 | 11.11 | 13.51 | 15.91 | 18.31 | 20.71 | 23.11 | 25.51 | 27.90 | 30.30 | 32.70 | 35.10 | 37.50 | 39.90 | 42.30 | 44.70 | 47.09 | |
| 2.74 | 0.36 | 0.59 | 0.81 | 1.03 | 1.26 | 1.48 | 1.70 | 1.92 | 2.15 | 2.37 | 2.59 | 2.82 | 3.04 | 3.26 | 3.48 | 3.71 | 3.93 | 4.15 | 4.38 | |
| 114 | 4.13 | 6.65 | 9.18 | 11.71 | 14.24 | 16.76 | 19.29 | 21.82 | 24.35 | 26.87 | 29.40 | 31.93 | 34.45 | 36.98 | 39.51 | 42.04 | 44.56 | 47.09 | 49.62 | |
| 2.90 | 0.38 | 0.62 | 0.85 | 1.09 | 1.32 | 1.56 | 1.79 | 2.03 | 2.26 | 2.50 | 2.73 | 2.97 | 3.20 | 3.44 | 3.67 | 3.91 | 4.14 | 4.37 | 4.61 | |
| 120 | 4.34 | 6.99 | 9.65 | 12.30 | 14.96 | 17.62 | 20.27 | 22.93 | 25.58 | 28.24 | 30.89 | 33.55 | 36.21 | 38.86 | 41.52 | 44.17 | 46.83 | 49.48 | 52.14 | |
| 3.05 | 0.40 | 0.65 | 0.90 | 1.14 | 1.39 | 1.64 | 1.88 | 2.13 | 2.38 | 2.62 | 2.87 | 3.12 | 3.36 | 3.61 | 3.86 | 4.10 | 4.35 | 4.60 | 4.84 | |



SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 3 of 3
 Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

1 - 13 - 22

1600F

10 - 31 - 18

1606WDF



**CURTAINWALL/WINDOW GLAZING ADAPTOR
EXTRUDED ALUMINUM
OPTION CODE: GA**

APPLICATION:

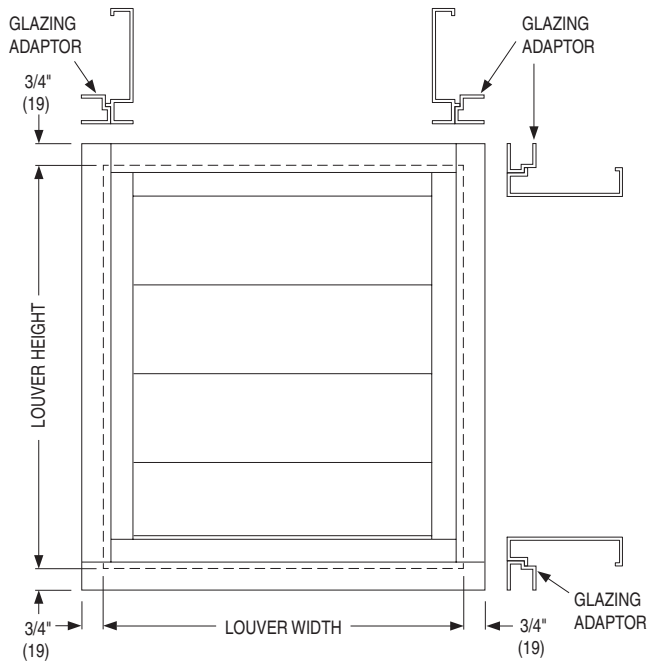
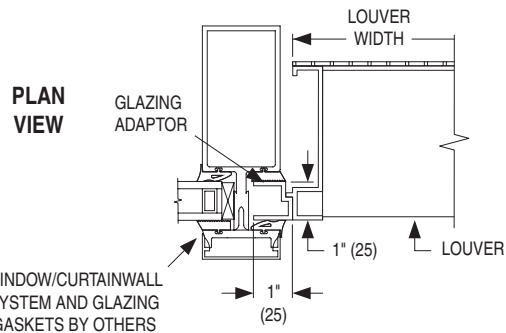
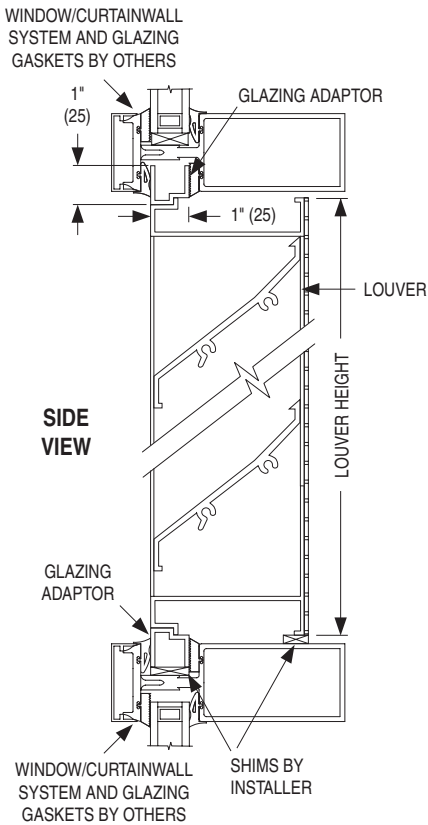
Glazing adaptor for louver installation in common curtainwall and window systems. The 1" (25) deep adaptor is factory installed onto louver frame and is suitable for use on 2" (51), 4" (102) and 6" (152) deep extruded aluminum louver models.

STANDARD CONSTRUCTION:

MATERIAL: Type 6063-T6 extruded aluminum, .081" (2.06) nominal thickness.

FINISH: Mill.

TYPICAL INSTALLATION:



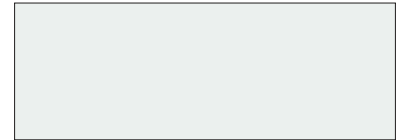
| | | | | |
|-----------------------|-------------------------------|-----------------|-------------------|--------------------|
| SCHEDULE TYPE: | Dimensions are in inches (mm) | | | |
| PROJECT: | | | | |
| ENGINEER: | DATE | B SERIES | SUPERSEDES | DRAWING NO. |
| CONTRACTOR: | 2 - 17 - 22 | 1600 | 7 - 11 - 13 | 1600GA |

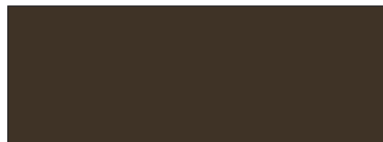

 Slate Blue **LF01**

 Medium Bronze **LF02**

 Sandstone **LF03**

 Light Gray **LF04**

 Charcoal **LF05**

 Bone White **LF06**

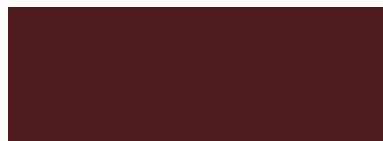
 Western Tan **LF07**

 Architectural Bronze **LF08**

 Regal Blue **LF09**

 Forest Green **LF10**

 Surrey Beige **LF11**

 Royal Brown **LF12**

 Barn Red **LF13**

 Burgundy **LF14**

 Clay **LF15**

 Almond **LF16**

 Coastal White **LF17**

 Vista Green **LF18**

 Black **LF19**

 Gloss Black **LF20**

 Campus Green **LF21**

Nailor offers 21 standard paint colors selected for architectural exterior use which meet or exceed AAMA specifications and performance requirements for color retention, chalk resistance, gloss retention, erosion, corrosion and chemical resistance as well as dry film thickness and hardness. Our state-of-the-art powder coat system provides an environment friendly finishing solution with more uniform coverage and coating thickness. The result is an exceptional finish that better resists scratching, fading and general wear. Additional liquid coat facilities for special requirements complete our ability to provide unmatched beauty and durability for any application.

Custom color matching is also available upon request. Contact your local Nailor representative.

Available Finishes

| FINISH TYPE | DESCRIPTION | STANDARD WARRANTY |
|--|--|--|
| Fluoropolymer Powder Coat AAMA 2605-Superior Finish (AKA: Powdura® 5000, Corafalon® Powder, Interpon® D3000-Fluoromax, IFS 500FP) | "Ultimate" - A next generation hyper durable powder coating, based on FEVE fluoropolymer resins and ceramic pigmentation that the industry has acknowledged as the foundation for superior performance coatings. They provide a hard surface that is resistant to scratching and scuffing, with superior color and gloss retention, when applied to a variety of exterior architectural applications. This technology represents the "ultimate" in environmentally friendly finishes, with Zero-VOC emissions. A superior alternative to traditional 70% Kynar 500® / Hylar 500® PVDF fluoropolymer liquid coatings. | 10 years (Consult Nailor for availability of extended warranty) |
| High Performance Powder Coat AAMA 2604 - High Performance Finish (AKA: Powdura® 4000, Envirocron® Ultra Durable Powder, Dynadure™ 400, Interpon® D2000, IFS 400SD) | "Better" - A high performance polyester powder coating, based on "super durable" resins that utilize infrared reflective pigments, which provides excellent resistance to outdoor weathering. A harder and more environmentally friendly coating than other liquid paint counterparts and with Zero-VOC emissions. A good alternative to 50% Kynar 500® / Hylar 5000® liquid coatings. | 5 years |
| Durable Powder Coat AAMA 2603 - Pigmented Organic Coatings (AKA: Powdura® 3000, Envirocron® Durable Powder, Dynadure™ 300, Interpon® D1000, IFS 300SP) | "Good" - A durable powder coat based on thermosetting polyester resin technology. Provides a good economical combination of physical and chemical resistance properties. Environmentally superior to liquid spray paints and Zero – VOC emissions. | 1 year |
| Clear Anodize 215-R1 AA-M10C22A41 (0.7 mil. min.) | Architectural Class I. Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack. Recommended for severely corrosive and abrasive atmospheric exposure. | 5 years |
| Clear Anodize 204-R1 AA-M10C22A31 (0.4 - 0.7 mil.) | Architectural Class II. Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack. Recommended for normal weather exposure. | 1 year |
| Color Anodize AA-M10C22A44 (0.7 mil. min.) | Architectural Class I. "Two-step" aluminum coating process. Following a standard anodizing procedure, a second electrolytic process deposits colored metallic pigments which penetrate the aluminum oxide pores, producing a corrosion resistant, colorfast finish. Available in light, medium, dark bronze and black. | 5 years |
| Prime Coat | Prime coat provides a stable base for painting of louvers in the field. Surface pretreatment includes degreasing and a chemical cleaning before an epoxy prime coat is applied. Finish coat should be field applied as soon as possible for best adhesion, after a thorough cleaning for dust etc. that can contaminate the final finish and cause premature flaking or peeling. | N/A |

Paint finish warranties are not applicable to steel products.

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