

QUALIFICATIONS:

- Florida Product Approval No. : 29283.1
- Intertek Listed Building Product: Exterior Louvers.
- Tested in accordance with: TAS-202 (Uniform Static Air Pressure Test).
- AMCA 500-L (Water Penetration, Airflow).
- AMCA 540 (Wind-Borne Debris Impact Test [Basic "Level D" Protection]).
- Wind load rating +/- 55 PSF.

STANDARD CONSTRUCTION:

- FRAME:** 4" (102) deep, Type 6063-T6 extruded aluminum, .120" (3.05) nominal wall thickness. Integral downspouts and caulking slot provided.
- BLADES:** Type 6063-T6 extruded aluminum, .095" (2.41) nominal wall thickness, with reinforcing bosses.
- BLADE ANGLE:** Fixed at 37.5 degrees.
- BLADE SPACING:** Approximately 3" (76) on centers.
- BLADE SUPPORT:** Concealed type, factory installed on rear of louver. Reinforced with 2" x 2" (51 x 51) angle (adds approx. 2" [51] to overall louver depth).
- SCREEN:** 5/8" x .050 (16 x 1.27) 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:** 48" W x 120" H (1219 x 3048). Larger louvers will require field assembly of smaller sections.

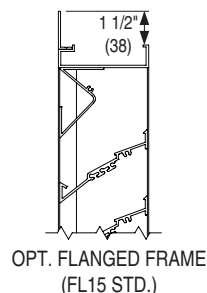
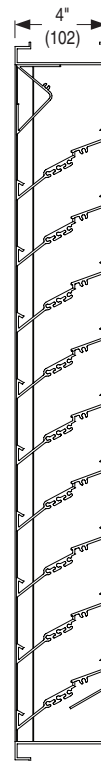
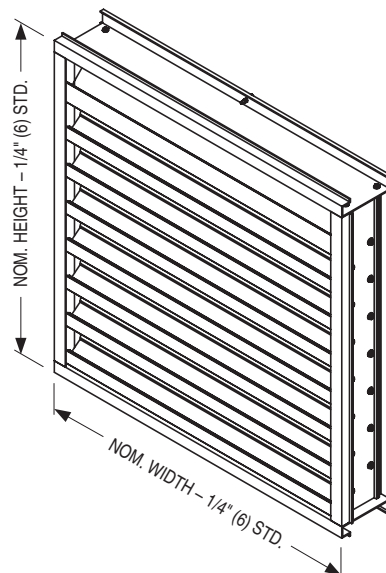
OPTIONS:

- | | |
|---|--|
| ☐ BSSS Type 304 S.S. Bird Screen. | ☐ FL15 Flanged Frame, 1 1/2" (38). |
| ☐ BSN No Bird Screen. | ☐ FL20 Flanged Frame, 2" (51). |
| ☐ ISA Aluminum Insect Screen. | ☐ ESI Extended Sill. |
| ☐ ISSS Type 304 S.S. Insect Screen. | ☐ PASI Sill Pan. |
| | ☐ 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:

PROJECT:

ENGINEER:

CONTRACTOR:

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

DATE	B SERIES	SUPERSEDES	DRAWING NO.
12 - 31 - 24	1600F	5 - 29 - 24	1604DHPF



EXTRUDED ALUMINUM STATIONARY LOUVER
FLORIDA PRODUCT APPROVED
4" (102) DEEP • HIGH PERFORMANCE
DRAINABLE BLADE • PERFORMANCE DATA
MODEL: 1604DHPF



FREE AREA in Square Feet and Square Meters

		Width in Inches and Meters						
		12	18	24	30	36	42	48
Height in Inches and Meters	12	0.32	0.52	0.71	0.91	1.11	1.31	1.51
	0.30	0.03	0.05	0.07	0.08	0.10	0.12	0.14
	18	0.59	0.96	1.33	1.70	2.06	2.43	2.80
	0.46	0.05	0.09	0.12	0.16	0.19	0.23	0.26
	24	0.86	1.40	1.94	2.48	3.02	3.56	4.10
	0.61	0.08	0.13	0.18	0.23	0.28	0.33	0.38
	30	1.13	1.84	2.55	3.26	3.97	4.68	5.39
	0.76	0.10	0.17	0.24	0.30	0.37	0.43	0.50
	36	1.40	2.28	3.16	4.04	4.92	5.80	6.68
	0.96	0.13	0.21	0.29	0.38	0.46	0.54	0.62
	42	1.67	2.72	3.77	4.82	5.87	6.93	7.98
	1.07	0.16	0.25	0.35	0.45	0.55	0.64	0.74
	48	1.94	3.16	4.39	5.61	6.83	8.05	9.11
	1.22	0.18	0.29	0.41	0.52	0.63	0.75	0.85
	54	2.21	3.61	5.00	6.39	7.78	9.17	10.56
	1.37	0.21	0.33	0.46	0.59	0.72	0.85	0.98
	60	2.49	4.05	5.61	7.17	8.73	10.29	11.86
	1.52	0.23	0.38	0.52	0.67	0.81	0.96	1.10
	66	2.76	4.49	6.22	7.95	9.68	11.42	13.15
	1.68	0.26	0.42	0.58	0.74	0.90	1.06	1.22
	72	3.03	4.93	6.83	8.73	10.64	12.54	14.44
	1.83	0.28	0.46	0.63	0.81	0.99	1.16	1.34
	78	3.30	5.37	7.44	9.52	11.59	13.66	15.73
	1.98	0.31	0.50	0.69	0.88	1.08	1.27	1.46
	84	3.57	5.81	8.06	10.30	12.54	14.78	17.03
	2.13	0.33	0.54	0.75	0.96	1.17	1.37	1.58
	90	3.84	6.25	8.67	11.08	13.49	15.91	18.32
	2.29	0.36	0.58	0.81	1.03	1.25	1.48	1.70
	96	4.11	6.70	9.28	11.86	14.45	17.03	19.61
	2.44	0.38	0.62	0.86	1.10	1.34	1.58	1.82
	102	4.38	7.14	9.89	12.65	15.40	18.15	20.91
	2.59	0.41	0.66	0.92	1.17	1.43	1.69	1.94
	108	4.65	7.58	10.50	13.43	16.35	19.28	22.20
	2.74	0.43	0.70	0.98	1.25	1.52	1.79	2.06
	114	4.93	8.02	11.11	14.21	17.30	20.40	23.49
	2.90	0.46	0.75	1.03	1.32	1.61	1.90	2.18
	120	5.20	8.46	11.73	14.99	18.26	21.52	24.79
	3.05	0.48	0.79	1.09	1.39	1.70	2.00	2.30

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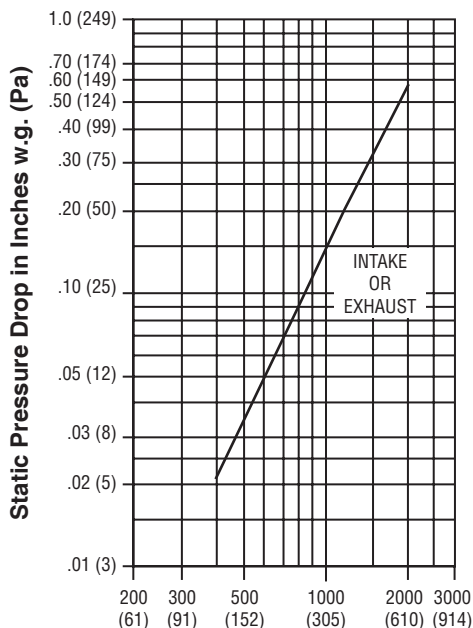


AIRFLOW/WATER PENETRATION DATA
for 48" x 48" (1219 x 1219) Louver Size

Free Area %	57%
Free Area sq. ft. (sq. m.)	9.11 (0.85)
Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration)	954 fpm (291 m/min.)
Air Volume at 954 fpm Free Area Velocity	8,691 cfm (4101 l/s)
Pressure Drop @ 1000 fpm	.15 in. w.g. (35 Pa)

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

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.



Safe-Air certifies that the Model 1604DHPF shown herein is licensed to bear the AMCA Certified Ratings Program 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. The AMCA Certified Ratings Program seal applies to Water Penetration and Air Performance ratings.

Louvers were tested in accordance with AMCA Standard 500-L.



**540 IMPACT
RESISTANT
LOUVER**
Basic Protection Level D

* See www.AMCA.org for all certified or listed products

This label does not signify
AMCA airflow performance
certification.

Safe-Air certifies that the 1604DHPF louver shown herein is approved to bear the AMCA International 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 International Listing Label program. The AMCA International Listing Label applies to pressure cycle tested wind-borne debris impact resistant louvers rated for Basic Protection and +/- 55PSF with a minimum blade span of less than 12 in. (305mm) and a maximum unsupported blade span of 46 in. (1473 mm).

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