



EXTRUDED ALUMINUM SAND LOUVER

4" (102) DEEP • SIGHTPROOF
MODEL: 1604SL

Model 1604SL is a 4" (102) deep, extruded aluminum sand louver that combines excellent sand removal efficiency with aesthetics that compliment any architecture. The double deflection, sightproof design removes approximately 90% of airborne sand when tested to ASHRAE Standard 52.1 - 1992 criteria and exhibits low pressure drop characteristics.

STANDARD CONSTRUCTION:

- FRAME:** 4" (102) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness.
- BLADES:** Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness.
- BLADE SPACING:** Approximately 6" (152) on centers.
- MULLIONS:** Concealed type allowing continuous line appearance up to 120" (3048). Larger assemblies require separate visible frames.
- 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).
- MAX. SINGLE SECTION SIZE:** 120" W x 84" H (3048 x 2134) or 84" W x 120" H (2134 x 3048). 70 sq. ft. (6.5m²). Larger louvers will require field assembly of smaller sections.

OPTIONS:

- | | |
|---|---|
| ☐ FL Flanged Frame. | ☐ ESI Extended Sill. |
| ☐ BSSS Type 304 S.S. Bird Screen. | ☐ FR1 1" (25) Filter Rack. |
| ☐ BSN No Bird Screen. | ☐ FR2 2" (51) Filter Rack. |
| ☐ ISA Aluminum Insect Screen. | ☐ PAC Perimeter Anchor Clips. |
| ☐ ISSS Type 304 S.S. Insect Screen. | ☐ Other: _____. |
| ☐ WE Welded Construction. | |

OPTIONAL FINISHES:

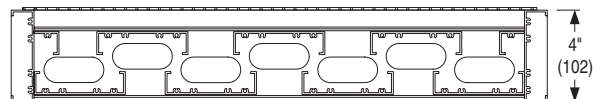
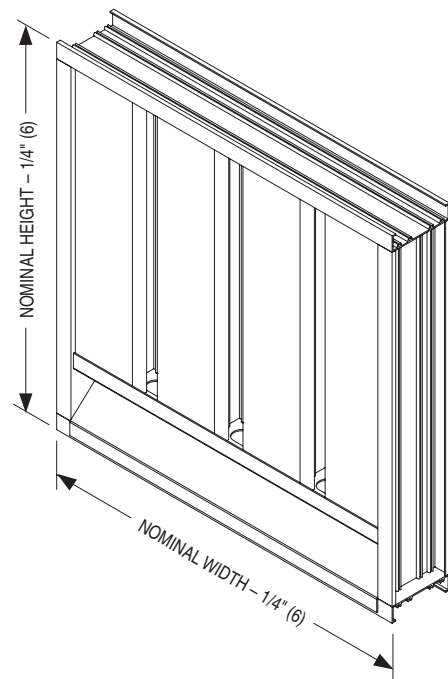
- ☐ **PC3** Powder Coat AAMA 2603. Color: _____.
- ☐ **PC4** High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: _____.
- ☐ **PC5** Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: _____.
- ☐ **PCC** Prime Coat.
- ☐ **AN04** Clear Anodized 204-R1.
- ☐ **AN15** 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:

PROJECT:

ENGINEER:

CONTRACTOR:

Page 1 of 2
Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

2 - 17 - 22

1600

10 - 19 - 15

1604SL



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4" (102) DEEP • SIGHTPROOF

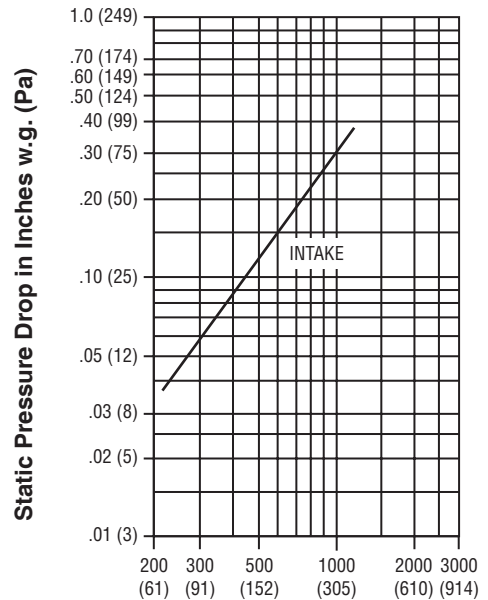
PERFORMANCE DATA

MODEL: 1604SL

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
Height in Inches and Meters	12	0.07	0.15	0.22	0.30	0.38	0.45	0.53	0.60	0.68	0.75	0.83	0.91	0.98	1.06	1.13	1.21	1.28	1.36	1.44
	0.30	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.13
	18	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.21	1.36	1.51	1.66	1.81	1.96	2.11	2.27	2.42	2.57	2.72	2.87
	0.46	0.01	0.03	0.04	0.06	0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	0.20	0.21	0.22	0.24	0.25	0.27
	24	0.22	0.45	0.67	0.90	1.13	1.35	1.58	1.81	2.04	2.26	2.49	2.72	2.94	3.17	3.40	3.63	3.85	4.08	4.31
	0.61	0.02	0.04	0.06	0.08	0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.32	0.34	0.36	0.38	0.40
	30	0.29	0.59	0.90	1.20	1.50	1.81	2.11	2.41	2.71	3.02	3.32	3.62	3.93	4.23	4.53	4.84	5.14	5.44	5.74
	0.76	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.22	0.25	0.28	0.31	0.34	0.36	0.39	0.42	0.45	0.48	0.51	0.53
	36	0.36	0.74	1.12	1.50	1.88	2.26	2.64	3.01	3.39	3.77	4.15	4.53	4.91	5.29	5.67	6.04	6.42	6.80	7.18
	0.91	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.28	0.32	0.35	0.39	0.42	0.46	0.49	0.53	0.56	0.60	0.63	0.67
42	0.44	0.89	1.34	1.80	2.25	2.71	3.16	3.62	4.07	4.53	4.98	5.44	5.89	6.34	6.80	7.25	7.71	8.16	8.62	
1.07	0.04	0.08	0.12	0.17	0.21	0.25	0.29	0.34	0.38	0.42	0.46	0.50	0.55	0.59	0.63	0.67	0.72	0.76	0.80	
48	0.51	1.04	1.57	2.10	2.63	3.16	3.69	4.22	4.75	5.28	5.81	6.34	6.87	7.40	7.93	8.46	8.99	9.52	10.05	
1.22	0.05	0.10	0.15	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69	0.74	0.79	0.84	0.88	0.93	
54	0.58	1.19	1.79	2.40	3.00	3.61	4.22	4.82	5.43	6.03	6.64	7.25	7.85	8.46	9.06	9.67	10.28	10.88	11.49	
1.37	0.05	0.11	0.17	0.22	0.28	0.34	0.39	0.45	0.50	0.56	0.62	0.67	0.73	0.79	0.84	0.90	0.95	1.01	1.07	
60	0.65	1.34	2.02	2.70	3.38	4.06	4.74	5.43	6.11	6.79	7.47	8.15	8.83	9.52	10.20	10.88	11.56	12.24	12.92	
1.52	0.06	0.12	0.19	0.25	0.31	0.38	0.44	0.50	0.57	0.63	0.69	0.76	0.82	0.88	0.95	1.01	1.07	1.14	1.20	
66	0.73	1.48	2.24	3.00	3.76	4.51	5.27	6.03	6.79	7.54	8.30	9.06	9.82	10.57	11.33	12.09	12.85	13.60	14.36	
1.68	0.07	0.14	0.21	0.28	0.35	0.42	0.49	0.56	0.63	0.70	0.77	0.84	0.91	0.98	1.05	1.12	1.19	1.26	1.33	
72	0.80	1.63	2.47	3.30	4.13	4.96	5.80	6.63	7.46	8.30	9.13	9.96	10.80	11.63	12.46	13.30	14.13	14.96	15.80	
1.83	0.07	0.15	0.23	0.31	0.38	0.46	0.54	0.62	0.69	0.77	0.85	0.93	1.00	1.08	1.16	1.24	1.31	1.39	1.47	
78	0.87	1.78	2.69	3.60	4.51	5.42	6.33	7.23	8.14	9.05	9.96	10.87	11.78	12.69	13.60	14.51	15.42	16.32	17.23	
1.98	0.08	0.17	0.25	0.33	0.42	0.50	0.59	0.67	0.76	0.84	0.93	1.01	1.09	1.18	1.26	1.35	1.43	1.52	1.60	
84	0.94	1.93	2.91	3.90	4.88	5.87	6.85	7.84	8.82	9.81	10.79	11.78	12.76	13.75	14.73	15.71	16.70	17.68	18.67	
2.13	0.09	0.18	0.27	0.36	0.45	0.55	0.64	0.73	0.82	0.91	1.00	1.09	1.19	1.28	1.37	1.46	1.55	1.64	1.73	

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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Dimensions are in inches (mm).



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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