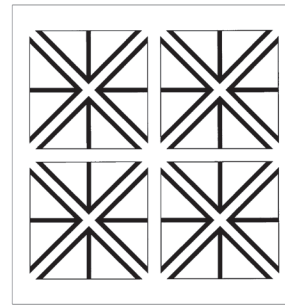
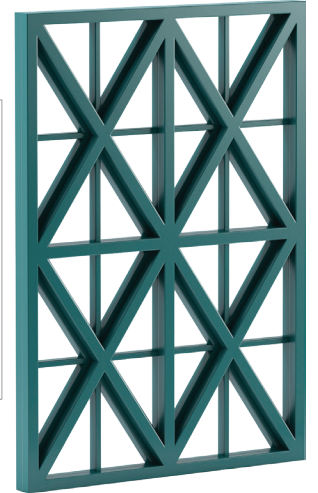


## ARCHITECTURAL GRILLE

<b>Grille Type</b> .....	Sansome
<b>Material</b> .....	Aluminum Plate (Alloy 5052-H32)
<b>Material Thickness</b> .....	0.250 to 0.500 in. (6.35 to 12.70 mm)
<b>Grille Depth (No Frame)</b> .....	0.250 to 1.00 in. (6.35 to 25.4 mm)
<b>Grille Depth (With Frame)</b> .....	2 to 6 in. (50.8 to 152.4 mm)
<b>Perimeter Frame</b> .....	None, Aluminum Channel or Tube
<b>Geometric Pattern</b> .....	As Detailed by the Designer
<b>Number of Reveals</b> .....	None to Multiple As Detailed by the Designer



ELEVATION VIEW



## RECOMMENDED SPECIFICATION

**Airolite Sansome Grilles** are designed and produced to your custom specification to function as architectural accent elements or entire facades that yield sight and solar screening or serve as security barriers. Sansome Grilles are produced from aluminum plate in single or multiple components from 0.250" (6.35 mm) to 0.500" (12.70 mm) thick that enable precise reproduction of intricate or complex geometric patterns. If desired, multiple plate thicknesses may be joined by welding to yield reveals. Where required, optional perimeter channel or tube frames lend rigidity to the assembly and may facilitate installation. Sansome Grilles may be supplied in virtually any geometric pattern that can be detailed in AutoCAD and enable optimum flexibility in design. All materials are available in Airolite's broad array of baked enamel, fluoropolymer and clear or color anodize coatings for durability and compatibility with adjacent components. Please contact your local Airolite representative or the factory for assistance with the layout and design of support systems when required.

### GENERAL

Where indicated on plan drawings or described in schedules, furnish and install Sansome Grilles as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Grilles shall be furnished in the configurations represented on the plan drawings and shall include supports, installation hardware and finishes as specified and required for a complete installation.

### SUBMITTALS

Manufacturer shall submit shop drawings incorporating key plans, elevations, sections and details showing profiles, angles and spacing of components and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. Submit theoretical calculations prepared by a professional engineer specializing in the application of welding technology demonstrating that each fillet weld joining infill elements and frame members will withstand a minimum of 526 pounds of force in shear. Provide samples of manufacturer's finish and color charts showing the full range of finishes and colors available.

### PRODUCTS

Architectural grilles shall be Airolite Sansome Grilles as follows:

- Material: Aluminum Plate, Alloy 5052-H32
- Material Thickness: Specify 0.250" (6.35 mm) to 0.500" (12.70 mm), or as indicated.
- Grille Depth: Specify 0.250" (6.35 mm) to 6" (152.4 mm), or as indicated.
- Perimeter Frame: Specify No Frame, Aluminum Channel or Tube, or as indicated.
- Number of Reveals: Specify number of material thicknesses required or as indicated.
- Geometric Pattern: As indicated on Contract Drawings.

### WELDED ASSEMBLY

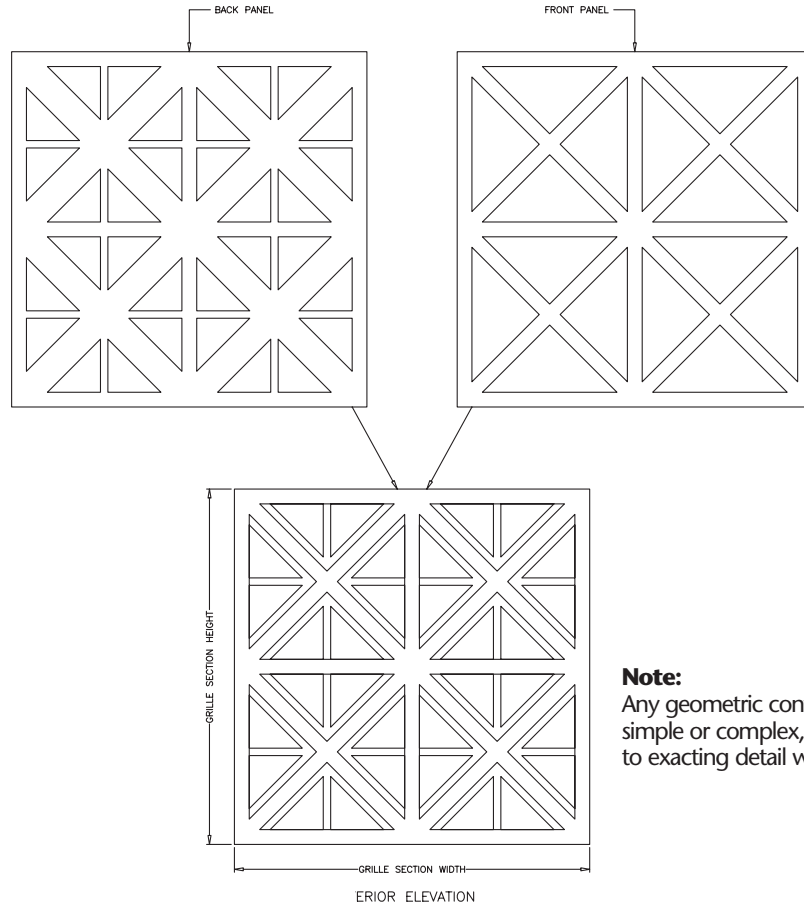
Grille members shall be joined to each other with welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process.

### STRUCTURAL DESIGN CRITERIA

Manufacturer shall design and furnish all supports required to withstand a wind force of not less than 25 pounds per square foot. Grilles 120-inches (3,048 mm) wide x 120-inches (3,048 mm) high will be fabricated and installed in multiples sections (one dimension cannot exceed 72-inches). Grille members, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

*See page 2 for complete finish options*

# GRILLE TYPE SANSOME DETAILS & FINISH OPTIONS



**Note:**  
Any geometric configuration, whether simple or complex, can be reproduced to exacting detail with multiple reveals.

## FINISHES

Finish Type	Description/Application	Color Selection	Standard Warranty (Aluminum)
<b>AAMA 2605</b> 100% Fluoropolymer (FEVE) 2-Coat 70% Kynar® (PVDF) 3-Coat 70% Kynar® (PVDF) 4-Coat 70% Kynar® (PVDF)	<b>"Best."</b> The premier finish for extruded aluminum. Tough, long-lasting coating has superior color retention and abrasive properties. Resists chalking, fading, chemical abrasion and weathering.	<b>Standard Colors:</b> Any of the 27 standard colors shown can be furnished in 70% or 50% Kynar®, 100% Fluoropolymer or Baked Enamel. <b>Mica Colors:</b> Aiolite offers 6 standard Mica colors for 70% Kynar® or 100% Fluoropolymer. <b>Custom Colors:</b> Custom color matching is available. Consult your Aiolite representative for cost and/or lead-time implications if a custom color is required.	10 Years (20 Years Optional)
<b>AAMA 2603</b> Baked Enamel	<b>"Good."</b> Provides good adhesion and resistance to weathering, corrosion and chemical stain.		1 Year
<b>AA-M10C22A42</b> Integral Color Anodize	"Two-step" anodizing is produced by following the normal anodizing step with a second, colorfast process.	Light, Medium, Dark or Extra Dark Bronze; Champagne; Black	5 years
<b>AA-M10C22A41</b> Clear Anodize 215 R-1	Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack.	Clear	5 years
<b>AA-M10C22A31</b> Clear Anodize 204	Clear, colorless and hard oxide aluminum coating that resists weathering and chemical attack.	Clear	1 Year
<b>Prime Coat</b>	Louvers or architectural products shall be cleaned, pre-treated and receive a prime coat finish suitable for field painting. Aiolite does not recommend prime coat or field painting of materials.		n/a
<b>Mill</b>	Materials may be supplied in natural aluminum or galvanized steel finish when normal weathering is acceptable and there is no concern for color or color change.		n/a

Finishes meet or exceed AAMA 2605, AAMA 2604, and AAMA 2603 requirements. Please consult [www.aiolite.com](http://www.aiolite.com) for complete information on standard and extended paint warranties. Paint finish warranties are not applicable to steel products.



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Submittal Sansome February 2020  
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