

WOOD GRILLE SERIES

Horizontal Grille in 5.25" profile White Oak



Horizontal Grilles

Specification

Material

Grille Veneer: Hybrid Core with Wood Veneer in White Oak, Walnut, Maple, Baltic Birch, or Birch as standards
Solid Wood Options: Hemlock, Poplar, Walnut, and White Oak
*Custom materials available.
Acoustical Pad (optional): American-Made EcoCore

Finish

Clear Satin UV Finish. Custom color options available.

Standard Sizes

Veneer Slats: 1.5" - 5.25" W x 0.75" H x 47", 59", 95" or 119" L
Solid Wood: 1.5" - 5.25" W x 0.75" H x 47", 59", 95" or 119" L
Overall Grille Sizing: 12" W x 1.375" H x 47", 59", 95" or 119" L

Acoustical Backer (Optional)

American-Made EcoCore
1/2" (0.50"/12.5mm) - 11 pcf
1" (1"/25mm) - 7 pcf

Mounting Method

Grilles can be mounted to a heavy duty t-bar suspended structure with self tapping screws through the cross members.

Country of Origin

- Made in the USA

Performance

Fire rating coating can be applied to meet Class A specification

Acoustical Performance when paired with American Made EcoCore

NRC Rating ASTM C423

(Mounting Method Type F25)

Material: 0.5" EcoCore: 0.65
Material: 1" EcoCore: 0.90

Acclimatization

APS's Wood Grilles must be installed in a controlled interior environment with a relative humidity of 25%-55% and a temperature range of 60°F-80°F.

Seismic

Wood Grilles generally require additional securing for safety when installed overhead. Common methods include safety wire tie-offs or lock-down screws. Please consult local building codes or a licensed engineer for guidance.

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Specification

COMPONENTS

HANGERS

#12-gauge wire hangers, braided wire, or aircraft cable (provided by contractor).

SUSPENSION SYSTEM

The Wood Grille system should be suspended using a standard 15/16" [24 mm] heavy-duty grid (provided by contractor).

SYSTEM PROFILES & DIMENSIONS

Standard horizontal grilles with wood veneer slats and solid wood slats feature a thickness of 0.75" and are available in widths of 1.5", 2.25", 3", or 5.25", with standard lengths of 47", 59", 95" or 119". Wood boards are manufactured without finger joints. Panels are connected using black wood backers. Overall Grille panel sizing is 12" w x the desired length.

SLATS PER FOOT			THICKNESS SOLID WOOD (SW)	THICKNESS VENEER (V)	SLAT WIDTH	LENGTH	SPECIES OAK, WALNUT, POPLAR, HEMLOCK, *BALTIC BIRCH (BB), *BIRCH, *MAPLE
HG2	HG3	VG4					
X	X	X	0.75"	0.75"	1.50"	47" - 119"	O - W - P - H - BB* - B* - M*
X	X	X	0.75"	0.75"	2.25"	47" - 119"	O - W - P - H - BB* - B* - M*
X	X		0.75"	0.75"	3"	47" - 119"	O - W - P - H - BB* - B* - M*
X			0.75"	0.75"	5.25"	47" - 119"	O - W - P - H - BB* - B* - M*

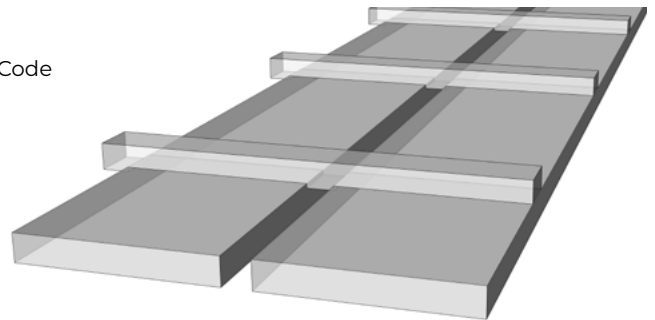
Slats Per Foot - Wood Option Code - Thickness - Width - Length - Species Code

EXAMPLE: HG2-V-0.75"-5.25"-119"-W

Should read from left to right in selection.

**Species with * are only available in Veneer*

**Hemlock and Poplar are only available in solid wood.*



Acoustical Backer (Optional)

APS offers optional acoustic panels designed to enhance sound control when used with our Wood Grille series. Panels are available in both 1/2" and 1" thicknesses, depending on ceiling height and clearance requirements. Standard finish is AME-01 Black, with the option to upgrade to American-Made EcoCore colors for a seamless, custom look.

NRC Rating ASTM C423

(Mounting Method Type F25)

Material: 0.5" EcoCore: 0.65

Material: 1" EcoCore: 0.90

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Specification

WOOD OPTIONS

WOOD TYPES

The horizontal grille system offers flexibility in wood selection, with standard solid species including Hemlock, Poplar, Walnut, and White Oak. Thermally modified wood options are also available. Additionally, premium wood veneers with a Hybrid Core are offered in standard finishes such as White Oak, Walnut, Maple, Baltic Birch, and Birch.

*Custom wood species and finishes are available upon request.

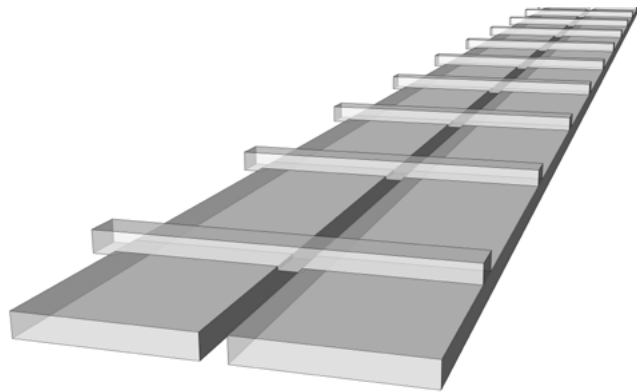
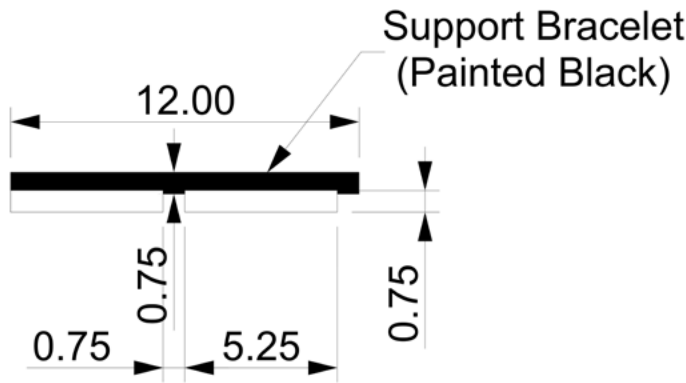
SURFACE FINISHES

Clear Satin UV Finish. Custom color options available.

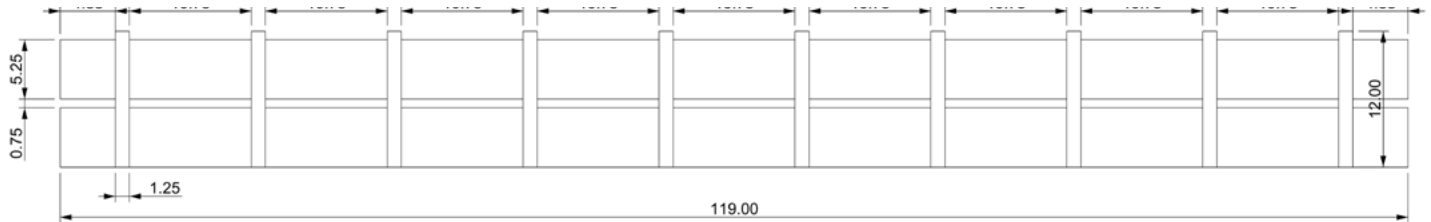
Wood Drawing Details

5.25" Renderings

3-D Rendering



Overall Grille Panel Rendering



Horizontal Wood Grille Series



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WOOD GRILLE SERIES

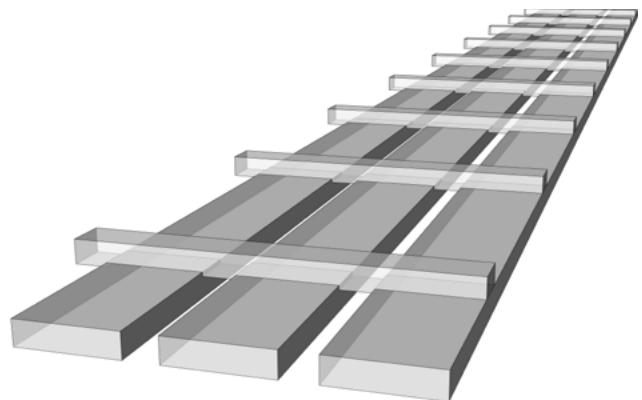
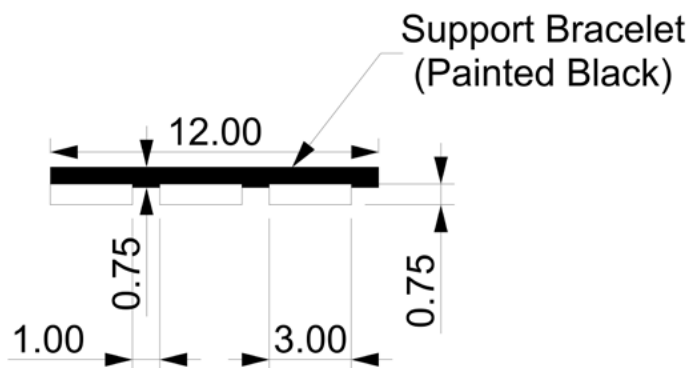
Specification 3" Slat



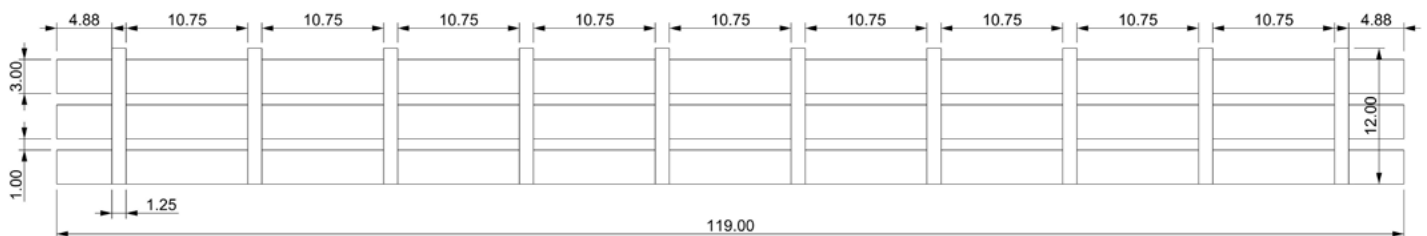
Wood Drawing Details

3" Renderings

3-D Rendering



Overall Grille Panel Rendering



Horizontal Wood Grille Series



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WOOD GRILLE SERIES

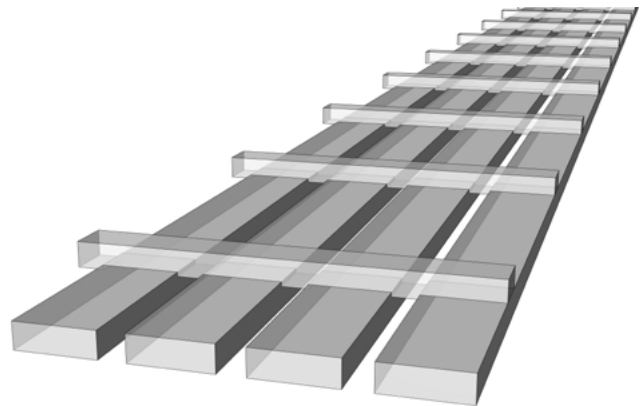
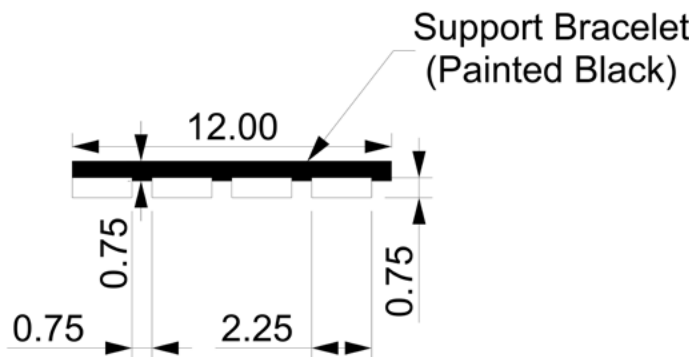
Specification 2.25" Slat

Wood Drawing Details

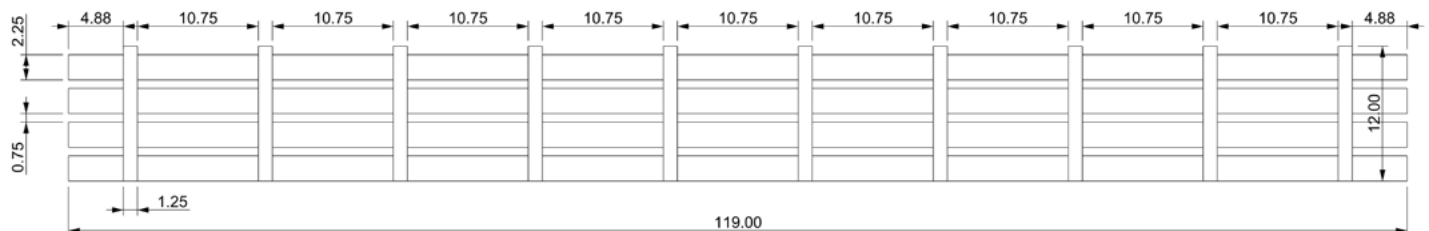


2.25" Renderings

3-D Rendering



Overall Grille Panel Rendering



Horizontal Wood Grille Series



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Specification

SHIPPING & STORAGE

Shipping

Wood Grille products are shipped on skids with protective padding between each grille. The finished surfaces are placed face-to-face with slip sheets in between to prevent any surface damage.

Storage

Wood Grille products must be stored flat and level in a fully enclosed area, protected from sunlight and moisture. At least 72 hours before installation, the packaging should be opened, and the panels placed in the room where they will be installed. The room's temperature and humidity should closely match the conditions expected during building occupancy. Panels must be stored off the floor.

NOTES

SPECIAL CONSIDERATIONS

APS's Integrated Lighting program is designed to improve coordination with MEP (Mechanical, Electrical, and Plumbing) systems, enabling a more efficient and seamless integration process. This begins with factory-made cutouts that accommodate lighting fixtures.

Primary Access Panels refer to designated sections of the system that are removed and reassembled into lift-and-shift panels, allowing for easy access where needed.

Thermally Modified Wood undergoes a controlled heat treatment process known as pyrolysis. This alters the wood's cellular structure, enhancing its durability, dimensional stability, and resistance to biological decay.

Woodbacker Clips are spring-steel fasteners that secure the woodbacker to the heavy-duty suspension grid. These clips feature a phosphate pre-treatment and corrosion-resistant coating for long-term performance.

Horizontal Wood Grille Series



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American-Made EcoCore

EcoCore Acoustic Option



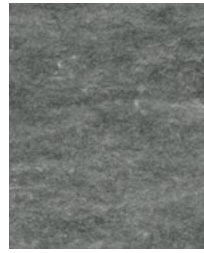
Black *
AME-01



Pearl White *
AME-07



Charcoal *
AME-02



Dark Grey
AME-03



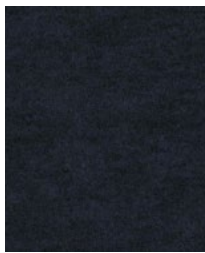
Silver Grey *
AME-04



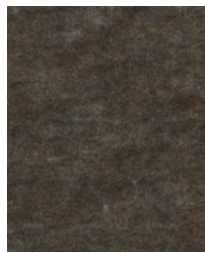
Light Grey
AME-19



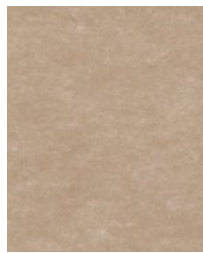
Ocean
AME-17



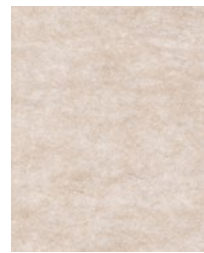
Denim
AME-18



Walnut
AME-13



Dark Brown
AME-06



Light Khaki
AME-05



Barley
AME-09



Ivory
AME-08

Specification

Content: 100% American-made Polyester
(55% PET-Recycled Fiber, 45% PET-Virgin Fiber)

Size: 49" x 121"

Weight: 1/2 lb/sf (12.5 mm) 11 PCF
1.0 lb/sf (25 mm) 7 PCF
1.5 lb/sf (50.8 mm) 4.7 - 5.0 PCF

Thickness: 12.5 mm (0.50"), 25mm (1") or 50.8 mm (2")

Acoustical Performance

NRC Rating ASTM C423

(Mounting Method Type A)

Material: 0.5" EcoCore: 0.45
Material: 1" EcoCore: 0.80
Material: 2" EcoCore: 1.10

(Mounting Method Type F25)

Material: 0.5" EcoCore: 0.65
Material: 1" EcoCore: 0.90
Material: 2" EcoCore: *estimated over 1.1

(Mounting Method Type J)

Material: 0.5" EcoCore: 0.55
Material: 1" EcoCore: 0.75
Material: 2" EcoCore: *estimated 1.1

Sustainability

Made 100% in America
MAS Certified Green
LEED v4.1 ID+C, BD+C
CHPS 2019 Core Criteria 3.0 EQ C6.1.6

Performance

Fire Rating Passes ASTM-E84

Country of Origin

- AME EcoCore: Made in the USA
- All APS products: Assembled in the USA

Warranty

All products are warranted against workmanship and manufacturing defects for five (5) years from date of purchase.

* = Colorways Available in 2" EcoCore
° = Value Color Options



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