



WOODGRILLE®

PANEL GRILLE DATA SHEET

SYSTEM: GRILLES | STYLE: PANEL GRILLES

An innovative yet timeless wood panel system featuring perfectly aligned and spaced wood strips with endless customization options.



The Panel Grille system is a ladder-like system with equally-spaced wood blades and manageable panel sizes. Panels consist of multiple solid wood or veneer blades assembled by way of perpendicular woodbackers and/or interconnecting dowels and are typically 12" or 24" wide and 2'-10" long (nominal). Blade size and spacing is fully customizable. Panel Grilles are installed sequentially onto standard heavy duty grid for ceiling applications or direct attached to furring strips for wall applications.

Panel Grilles are available in solid wood or veneer and are specified as **WG-PG-12** or **WG-PG-24**.



DESIGN FLEXIBILITY

Nearly unlimited options for wood species, veneer cuts, finishes, blade sizes and spacing. Curved applications and custom layouts available to bring your vision to life.



ACOUSTICAL OPTIONS

Panel Grilles can be manufactured with or without fabric backing or acoustical infill to help control noise and enhance sound quality within the space.



FIRE PERFORMANCE

Panel Grilles can meet Class A fire performance requirements. Solid wood is treated to ASTM E84, while veneers on fire-rated cores are tested to ASTM E2768.



SUSTAINABILITY

Responsibly sourced wood, FSC® certified options, low VOC finishes and LEED support help contribute to healthier people and a healthier planet.



INSTALLATION SOLUTIONS

Engineered for strength and ease of installation. Compatible with standard heavy duty grids and direct mount systems for ceilings and walls.



WOODGRILLE®
ARCHITECTURAL WOOD SYSTEMS



824 New Park Road
New Park, PA 17352



(410) 937-6026



www.WoodGrille.com



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SPECIFICATION

WOODGRILLE® PANEL GRILLE SYSTEM

COMPONENTS

HANGERS

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

SUSPENSION SYSTEM

Ceiling panels should be suspended using standard 15/16" [24 mm] heavy duty grid (contractor-supplied). Tegular or Lay-in ceilings may be suspended using standard 9/16" [14 mm] medium duty or 15/16" [24 mm] heavy duty grid (contractor-supplied).

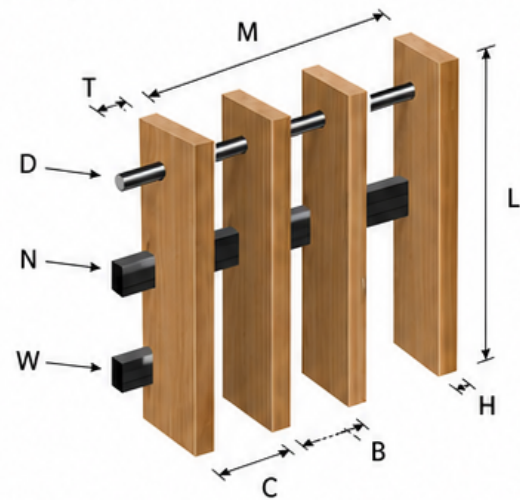
SYSTEM PROFILES & DIMENSIONS

Panel Grille profiles are defined as **WG-PG-12** or **WG-PG-24** and are determined by three variables and letter designation(s): Number of blades per foot (C), blade thickness (T), and depth of the blades (H) (measured in 16ths of an inch) followed by letter designation(s) (X) that determine assembly.

PANEL [WG-PG-X]	
M (MODULE WIDTH) ¹	12", 24"
C (BLADE COUNT/FT) ²	2 - 10
L (LENGTH) ³	2' - 10'

BLADES [16ths] [WG-PG-X]	
T (THICKNESS) ⁴	3/4" - 2"
H (HEIGHT) ⁴	3/4" - 5-1/4"

TYPES [WG-PG-X]	
DOWELED	D
WOODBACKEDED	W
FLEXIBLE	X
SLANTED	S
BULLNOSED	B
FABRIC-BACKEDED	F
NOTCHED	N



¹ Module - Width varies by profile due to spacing

² Length - 1"/0.5" shy of even foot for solid/veneer panels

³ Length - Nominal panel lengths are 1" shorter for solid wood and 1/2" shorter for veneers

⁴ Thickness/Height - Consult standard size table

The [standard profiles table](#) should be consulted for specific size and spacing standards.

MODULES & SYSTEM CONSTRUCTION

Panel Grilles are assembled in 1' [305 mm] or 2' [610 mm] widths and in lengths of 2' [610 mm] to 10' [3048 mm] (nominal, available in 1' [305 mm] increments). Nominal panel lengths are 1" shorter than each even foot for solid wood and 1/2" shorter for veneers to account for expansion/contraction. Wood strips are manufactured without finger joints and are fastened together with dowels and/or woodbackers, positioned 12" [305 mm] on center, starting 5-1/2" [140 mm] from the end of the Panel Grille. Standard dowels and woodbackers are flat black (an optional white dowel is available).

INSTALLATION

ATTACHMENT

Ceiling panels may be suspended from grid using **Dowel Clips** (see below) or **Woodbacker Clips** (see below). Ceiling panels may also be directly screwed to grid from above or below. Wall panels may be direct screw attached.

SPECIAL CONDITIONS

Ceiling termination at a wall or soffit is accomplished with various trims.



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WOOD SELECTIONS

WOOD SPECIES

Panel Grilles may be specified in a variety of wood species. Current standard wood species are: Ash, Maple, Red Oak, White Oak, Beech, Poplar, and Cherry. **Thermally Modified®** wood species are also available. Premium veneers and non-wood laminates are available.

TEXTURES

Standard surface texture is smooth-sawn. Faces are sanded.



FINISHES

WOOD FINISHES

Standard finishes include 20-sheen clear (satin) and 5-sheen clear (matte). A full range of standard colors can be found at www.WoodGrille.com. Custom stains, opaque or semi-transparent colors are also available. All finishes are water based, low VOC-emitting, and do not contain solvents.



SHIPPING & STORAGE

SHIPPING

Panel Grilles are shipped wrapped in shrink wrap packaging, with no more than two (2) Panel Grilles per bundle. Panel Grille backs are placed together to prevent marring of faces.

STORAGE

Panel Grilles shall be stored flat and level, in a fully enclosed space away from sunlight or moisture. For a minimum of seventy-two (72) hours immediately prior to ceiling installation, the packaging shall be opened and the panels shall be stored in the room in which they will be installed. The temperature and humidity of the room shall closely approximate those conditions that will exist when the building is occupied. Panels must be stored off the floor.



COORDINATION

TEMPERATURE & HUMIDITY

Panel Grilles shall be installed only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. Heating and cooling systems shall be operating before, during, and after installation, with the humidity of the interior spaces maintained between 25 and 55 percent, and a temperature between 60 to 90 degrees F.



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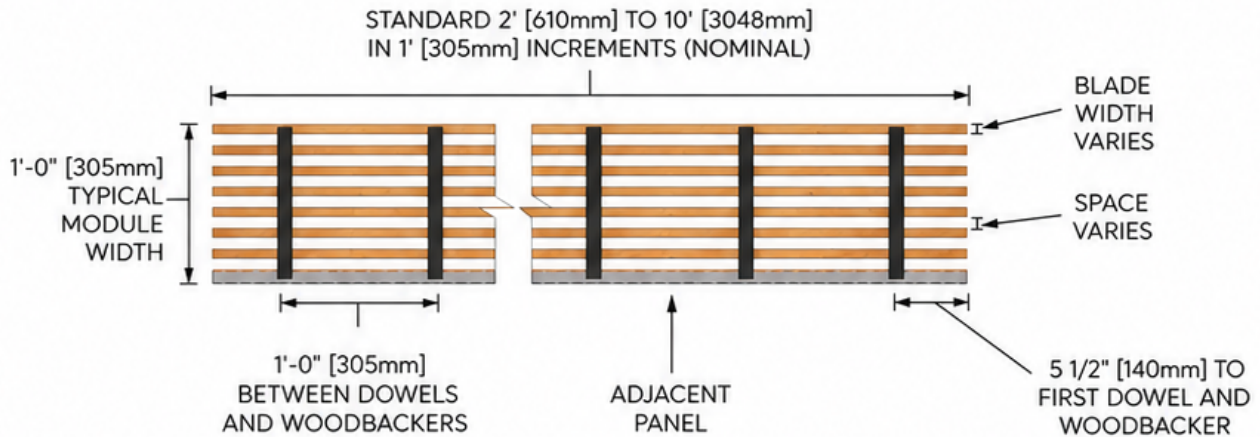
WOODGRILLE® PANEL GRILLE SYSTEM

NOTES

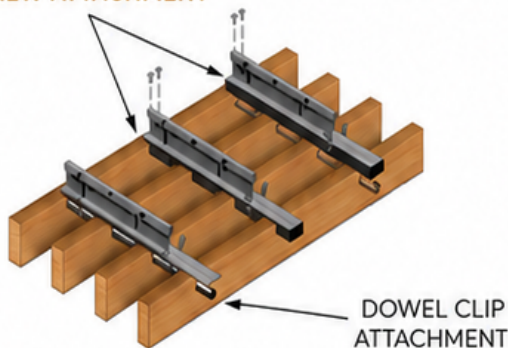
SPECIAL NOTES

- Primary Access Panels are sections of a system that have been removed and assembled into a lift & shift panel for required-access locations.
- Thermally modified wood has been altered by a controlled process called pyrolysis which induces chemical changes to the cellular structure of the cell wall components of the wood material through heat to increase durability, shrink/swell factor, and biological resistance.
- Dowel Clips are spring clips that wrap around the dowel and attach to heavy duty grid. The clips are made of spring-steel with phosphate pre-treatment and corrosion-resistant coating.
- Woodbacker Clips are spring clips that wrap around the woodbacker and attach to heavy duty grid. The clips are made of spring-steel with phosphate pre-treatment and corrosion-resistant coating.

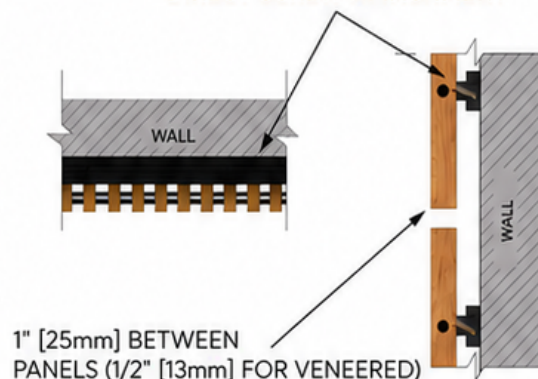
TYPICAL DETAILS



WOODBACKER CLIP OR DIRECT SCREW ATTACHMENT



DIRECT SCREW ATTACHMENT



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STANDARD PROFILES TABLE

WOODGRILLE® PANEL GRILLE SYSTEM

SIZING				PROFILES							
Blade Thickness	Blade Depth	Number of Blades (per foot)									
		3	4	5	6	7	8	9	10		
12	3/4"	18	1 1/8"	PG 3-12-18 D W DW N S B	PG 4-12-18 D W DW N S B	PG 5-12-18 D W DW N S B	PG 6-12-18 D W DW N S B	PG 7-12-18 D W DW N S B	PG 8-12-18 D W DW N S B	PG 9-12-18 D W DW N S B	PG 10-12-18 D W DW N S B
12	3/4"	22	1 3/8"	PG 3-12-22 D W DW N S B	PG 4-12-22 D W DW N S B	PG 5-12-22 D W DW N S B	PG 6-12-22 D W DW N S B	PG 7-12-22 D W DW N S B	PG 8-12-22 D W DW N S B	PG 9-12-22 D W DW N S B	PG 10-12-22 D W DW N S B
12	3/4"	32	2"	PG 3-12-32 D W DW N S B	PG 4-12-32 D W DW N S B	PG 5-12-32 D W DW N S B	PG 6-12-32 D W DW N S B	PG 7-12-32 D W DW N S B	PG 8-12-32 D W DW N S B	PG 9-12-32 D W DW N S B	PG 10-12-32 D W DW N S B
12	3/4"	37	2 5/16"	PG 3-12-37 D W DW N S B	PG 4-12-37 D W DW N S B	PG 5-12-37 D W DW N S B	PG 6-12-37 D W DW N S B	PG 7-12-37 D W DW N S B	PG 8-12-37 D W DW N S B		
12	3/4"	60	3 3/4"	PG 3-12-60 D W DW N S B	PG 4-12-60 D W DW N S B	PG 5-12-60 D W DW N S B	PG 6-12-60 D W DW N S B				
12	3/4"	84	5 1/4"	PG 3-12-84 D W DW N S B	PG 4-12-84 D W DW N S B	PG 5-12-84 D W DW N S B					
18	1 1/8"	12	3/4"	PG 3-18-12 D W DW N S B	PG 4-18-12 D W DW N S B	PG 5-18-12 D W DW N S B	PG 6-18-12 D W DW N S B	PG 7-18-12 D W DW N S B			
20	1 1/4"	37	2 5/16"	PG 3-20-37 D W DW N S B	PG 4-20-37 D W DW N S B	PG 5-20-37 D W DW N S B	PG 6-20-37 D W DW N S B				
20	1 1/4"	52	3 1/4"	PG 3-20-52 D W DW N S B	PG 4-20-52 D W DW N S B	PG 5-20-52 D W DW N S B					
21	1 5/16"	60	3 3/4"	PG 3-21-60 D W DW N S B	PG 4-21-60 D W DW N S B	PG 5-21-60 D W DW N S B					
21	1 5/16"	84	5 1/4"	PG 3-21-84 D W DW N S B	PG 4-21-84 D W DW N S B						
22	1 3/8"	12	3/4"	PG 3-22-12 D W DW N S B	PG 4-22-12 D W DW N S B	PG 5-22-12 D W DW N S B	PG 6-22-12 D W DW N S B				
32	2"	12	3/4"	PG 3-32-12 D W DW N S B	PG 4-32-12 D W DW N S B						

IMPORTANT INFORMATION IN REGARDS TO PROFILE/MODULE SIZING:

- "DW" indicates that the profile is available in a Dowel + Woodbacker configuration
- Panel Grilles with a blade thickness that exceeds blade depth appear horizontal in lieu of the typical appearance of vertical blades. These profiles are only available in (W) Woodbacked.
- Some profile designations are specific to ceilings or walls. Please contact your local sales rep for more information.
- Panel Grilles are also available in custom profile and module sizes. Please contact your local sales rep for more information.
- Panel Grilles are primarily available in solid wood, however veneer panel grilles can be used when project specifics warrant.
- Panel Grille profiles marked by the blue boxes are standard in veneer due to profile size. Solid wood may be available for a premium and is supplied in a 12 (3/4") or 20 (1 1/4") thickness.
- Some profile designations are not available together.
 - "N" notched Panel Grilles are not available in "S" slanted and vice versa

LEGEND	
D	Doweled
W	Woodbacked
DW	Dowel + Woodbacker
N	Notched
S	Slanted
B	Bullnosed



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