

GRILLES DATA SHEET

SYSTEM: GRILLES | STYLE: PANEL GRILLES



An innovative but timeless wood panel system manufactured with perfectly aligned and spaced wood strips and 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 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 only and are specified as **PG C-T-H X**.



DESIGN

Panel Grilles are produced in St. Augustine, FL. For ceiling applications, [Dowel Clips[®]](#), [Woodbacker Clips[®]](#), or screws are used to suspend panels from heavy duty grid. Direct screw attachment is suggested for wall attachment. [Primary Access Panels[®]](#) can be coordinated with MEP locations and cut in-field.



ACOUSTICS

Panel Grilles are manufactured with or without fabric backing, allowing sound to pass to the plenum. Panel Grilles are considered **acoustically transparent**.



FIRE PERFORMANCE

Panel Grilles can be treated to meet **Class A** as per ASTM E-84. Solid wood is treated with a finish additive.



SUSTAINABILITY

Panel Grilles contribute to sustainability initiatives like **WELL** and **LEED** through FSC compliance, NAF cores, HPDs, EPDs, and Indoor Advantage Gold certification.



SEISMIC

Panel Grilles meet code compliance via **direct screw attachment** to heavy duty grid. Local code should be consulted to determine additional seismic requirements.



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SPECIFICATION

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 **PG C-T-H X** 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 [PG C-T-H X]	
M (MODULE WIDTH) ¹	12", 24"
C (BLADES/FOOT) ³	2-6, 2-10
L (LENGTH) ²	4', 5', 8', 10'

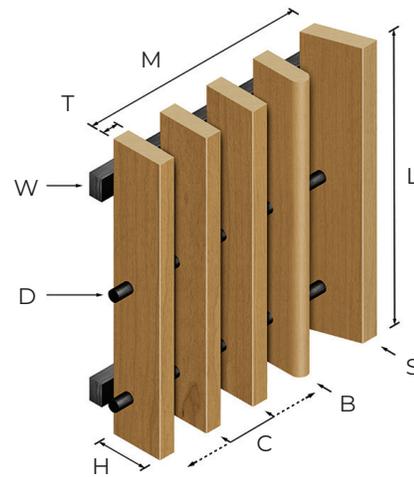
TYPES [PG C-T-H X]	
DOWELED	D
WOODBACKEDED	W

BLADES (16ths) [PG C-T-H X]	
T (THICKNESS) ³	3/4"
H (HEIGHT) ³	1-3/8", 3-3/4"

¹Module - Width varies by profile due to spacing

²Length - 1" shy of even foot for panels

³Thickness/Height - Consult standard size table



The [Select n' Ship profiles table](#) should be consulted for specific size and spacing standards.

MODULES & SYSTEM CONSTRUCTION

Panel Grilles are assembled in 1' [305 mm] or 2' [610mm] 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.

INSTALLATION

ATTACHMENT

Ceiling panels may be suspended from grid using [Dowel Clips^k](#) (see install guide) or [Woodbacker Clips^l](#) (see install guide). Ceiling panels may also be directly screwed to grid from above (see install guide) or below. Wall panels may be direct screw attached.

SPECIAL CONDITIONS

Ceiling termination at a wall or soffit is accomplished with various trims (see install guide).

SPECIFICATION

WOOD SELECTIONS

WOOD SPECIES

Panel Grilles are supplied in a limited number of wood species at the discretion of the manufacturer.

TEXTURES

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

FINISHES

WOOD FINISHES

Standard finishes include 20-sheen clear (satin). A full range of standard and premium colors can be found at [rulonco.com/sns-finishes](https://www.rulonco.com/sns-finishes). 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.

SPECIFICATION

NOTES

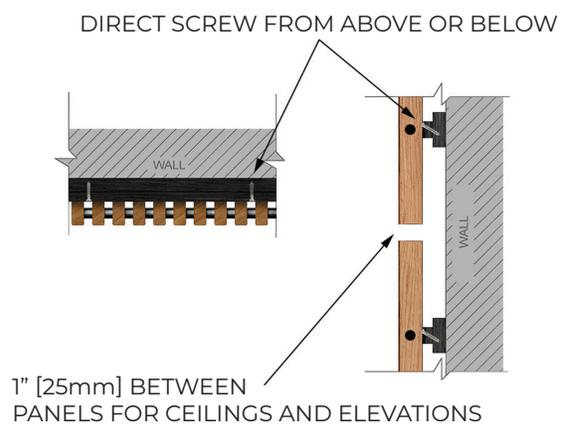
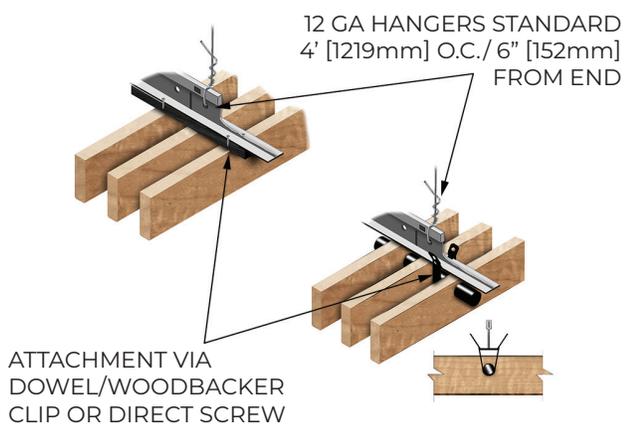
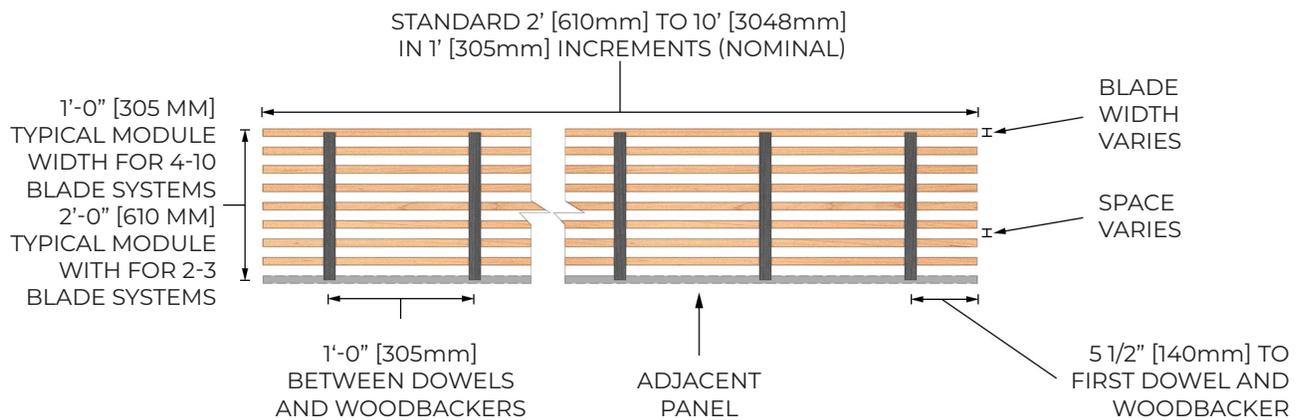
SPECIAL NOTES

¹ Primary Access Panels are sections of a system that have been removed and assembled into a lift & shift panel for required-access locations.

² 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.

³ 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



SELECT N' SHIP PROFILES TABLE

SIZING				PROFILES								
Blade Thickness	Blade Depth	Number of Blades (per foot)										
		2	3	4	5	6	7	8	9	10		
12	3/4"	22	1 3/8"	PG 2-12-22	PG 3-12-22	PG 4-12-22	PG 5-12-22	PG 6-12-22	PG 7-12-22	PG 8-12-22	PG 9-12-22	PG 10-12-22
				D W D W S B	D W D W S B	D W D W S B	D W D W S B	D W D W S B	D W D W S B	D W D W S B	D W D W S B	D W D W S B
12	3/4"	60	3 3/4"	PG 2-12-60	PG 3-12-60	PG 4-12-60	PG 5-12-60	PG 6-12-60				
				D W D W S B	D W D W S B	D W D W S B	D W D W S B	D W D W S B				

Important information in regards to profile/module sizing:

- Some profile designations are specific to ceilings or walls. Please contact your local sales rep for more information.
- Select n' Ship Panel Grilles are only available in solid wood.