

PANEL GRILLE SYSTEM INSTALLATION GUIDE

This guide provides step-by-step instructions for the proper installation of WoodGrille® Panel Grille Systems for acoustical (perforated) and non-acoustical (unperforated) wood and laminate ceilings and walls.



ARCHITECTURAL APPEAL

Natural beauty with
precision detailing.



ACOUSTICAL PERFORMANCE

Engineered for noise
control and clarity.



BUILT TO LAST

Durable materials
and long-term
performance.



SUSTAINABLE DESIGN

Responsibly sourced
materials for a
healthier planet.



ACOUSTICAL & NON-ACOUSTICAL



WOOD & LAMINATE



CEILINGS & WALLS



CUSTOM PANELS & TRIMS



SUSTAINABLE SOLUTIONS

OVERVIEW

WoodGrille® Panel Grille Systems combine timeless architectural aesthetics with precision engineering to create high-performance ceilings and walls. This guide outlines best practices for receiving, storing, preparing, and installing WoodGrille panels.

COMPONENTS OVERVIEW

- Veneer Panels
- Perimeter & Border Trim
- Gasket or Felt for Reveals
- Suspension Hardware
- Touch-Up Finish



1 RECEIPT AND STORAGE

- All material shall be delivered to the project site in the original, labeled unopened packages. Keep packages of components unopened until it is time to acclimate to the building conditions.
- Material shall be stored flat and level in a fully enclosed space. DO NOT store products in direct sunlight. Seventy-two (72) hours before beginning material installation, ceilings or walls, skids must be moved into the room where the HVAC system is operating, and the packaging shall be opened. This will allow the panels to adjust to the room environment. Wood panels are to be stored on the floor.
- Care in handling must be exercised to avoid damage.

4 INSTALLATION HARDWARE



Z-Clip
(French Cleat)



Dowel
Clip



Woodbacker
Clip



C-Hanger



Z-Bar



Direct Screws

2 BEFORE YOU BEGIN INSTALLATION

- Ensure that all necessary tools are available (see below).
- Check ceiling & wall components to ensure that all required items are at hand (see Components Overview).
- Review this guide completely. If there are any questions, call before the start of installation.
- Installation shall be done only when the temperature and humidity closely approximate the interior conditions that will exist when the building is occupied. The heating and cooling systems shall be operating before, during, and after installation, with humidity of the interior spaces maintained between 25% and 55%, temperature between 60° and 90° F.
- It is important that the areas have proper ventilation, especially in high moisture areas. There shall be no excessive buildup of heat in the space.
- Before the start of installation, all exterior windows and doors are to be in place, glazed, and weather-stripped. The roof is to be watertight, and all wet trades' work is to be completed, and thoroughly dry.
- Mechanical, electrical, and other utility service installations above the ceiling plane shall have been completed. No materials should rest or wrap-around the ceiling suspension components or connecting hangers.

5 CEILING & WALL COMPONENTS

SUPPLIED BY WOODGRILLE:

- Veneer panels
- Perimeter and border trim (when specified)
- Gasket or felt for ceiling reveals
- Suspension Hardware (see left)
- Touch-up finish

SUPPLIED BY OTHERS:

- Ceilings – Heavy Duty T-grid, #12-Gauge Hanger Wire, and hardware
- Walls – Furring strips and/or Plywood Sheathing
- Walls & Ceilings – Z-clip and or Z-bar as required.
- Acoustical Blanket (when specified)

REFERENCES:

- Optional: ASTM E-1264 – Standard Classification of Acoustical Ceiling Products
- Optional: Seismic Considerations – Refer to Local code

3 TOOLS AND EQUIPMENT



- Standard leveling devices



- Saber / Jig Saw



- Miter Saw



- Table Saw / Track Saw
(Festool TS55 or Makita XPS01PJT)



- Nail Gun / Staple Gun



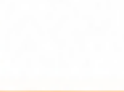
- Painter's Tape
(Scotch Blue #2090)



- Colored Putty / Fill Crayons



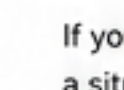
- Screw Guns / Drills



- Standard Household Iron



- 120 Grit Sandpaper



- Small Roller or Wood Block

6 IF YOU NEED FURTHER ASSISTANCE

If you have any questions, or if you encounter a situation not covered by this installation guide, contact the WoodGrille Technical Department:



888-634-2027
Main Office



info@woodgrille.com

7 STEP 1: WALL (SHOWN) OR CEILING PREPARATION



Furring Strips
or Plywood
Sheathing

Z-Clip
(typ.)

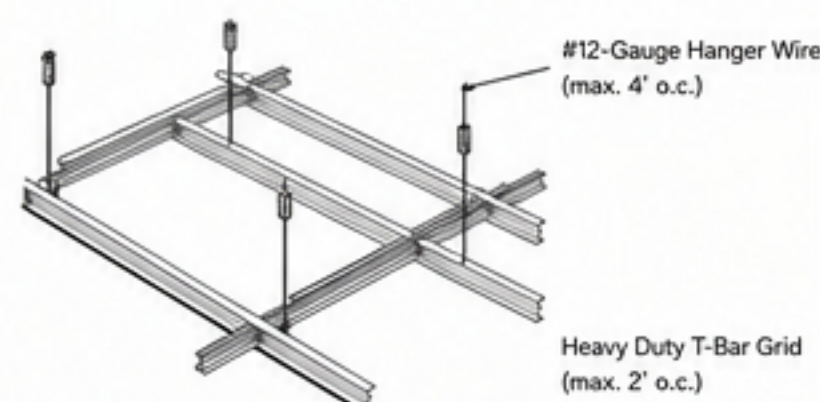
WALLS: Level and install furring strips or plywood sheathing across wall studs as shown. Mark locations and install Z-clips keeping in mind attachment criteria on the following page.

Note: Z-clips should be installed on the panel first, then locate the mating clip on the wall.

Note: For flat and acoustical wood panels, and other panels with back perforations, ensure attachment locations to avoid perforations.

CEILINGS: Install Heavy Duty (HD) T-bar grid on maximum 2' [610mm] centers unless otherwise detailed in WoodGrille shop drawings. Suspend from #12-gauge hanger wire or equivalent. Wires need to be hung directly from the building structure on maximum 4' centers along rails – unless otherwise covered in the RPG shop drawings or reviewed and approved by the WoodGrille Engineering Department.

Note: Attachment points may vary for flexible panels.



#12-Gauge Hanger Wire
(max. 4' o.c.)

Heavy Duty T-Bar Grid
(max. 2' o.c.)

