



1400 Install Guide

SERIES: 1000 WOOD GRILLES

STYLE: 1400 DOWEL/CROSS PIECE GRILLE



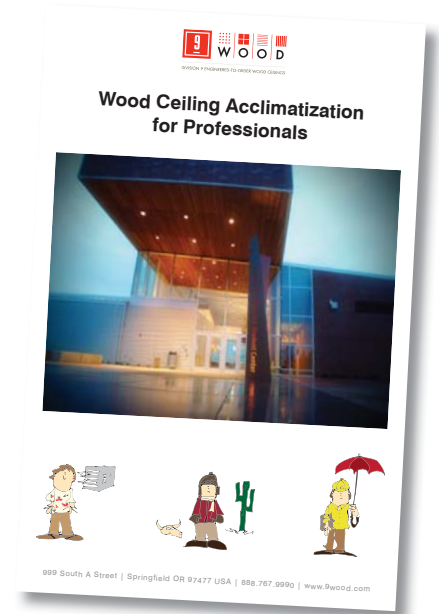
Attention



Prior to installation, ambient temperatures and humidity must be maintained at the levels intended for the project when occupied. Please refer to the 9Wood “Wood Ceiling Acclimatization for Professionals” handbook, the “A Not-So-Dry Look at Wood Acclimatization” DVD, and AWI standards.

Crosspiece backer and dowel ends are not intended to align the grilles. It is recommended to measure the on center spacing of each grille as it is being installed to maintain a consistent reveal between the grilles.

During installation it is recommended that regular measurements be pulled from the start of run to stay on module (see Fig. 6).



Ceiling Accessories

Supplied by 9Wood

- Dowel/cross piece backer grilles
- Fabric scrim (when specified)
- Shop drawings (when applicable)
- Edgebanding (if requested)
- Supplemental stain/clear finish/FR treatment.
- Supplemental backers (if required)
- Supplemental clips

Supplied by Others

- T-bar mainrunners
- Standard 2' and 4' T-bar cross tees
- Custom length cross tees (12" and 36")
- Hanger wire
- Wall angle
- Fasteners and hardware
- Tools for installation and/or field cutting
- Cleaning supplies (dust cloth, polish, etc.)



Suspension

Step 1 – Reference Grid

Main runners and grille backers must line up to suspend the panels. As a rule, space main runners a maximum of 3' apart, with a 6" maximum cantilever at panel ends (some heavy grilles may require no more than 2' on-center). 9Wood shop drawings typically show a proposed grid layout. Double-check this layout early, since ordering non-standard cross tees (12" or 36") is usually a long lead-time item, but will make install go faster (see Fig. 1). Non-standard panel lengths will require field adapted customer length cross tees (Fig. 2).

Step 2 – Reference Grid

Establish reference point of the suspension grid (i.e. point A wall, point B center point or other fixed point; see Fig. 1). Index the suspension grid off of the reference point. Note: Shop Drawings or Cut Sheets may offer a recommended reference point.

Step 3 – Install Grid

T-bar mainrunners are recommended to be installed maximum 3' on center, leaving no more than a 6" cantilever (see Fig. 2). Hanger wires and crosstees are to be installed according to local codes and seismic requirements. Field-adapted customer cross tee installation requires pop-rivet connections.

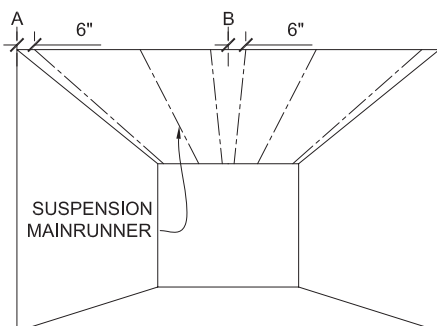


Figure 1

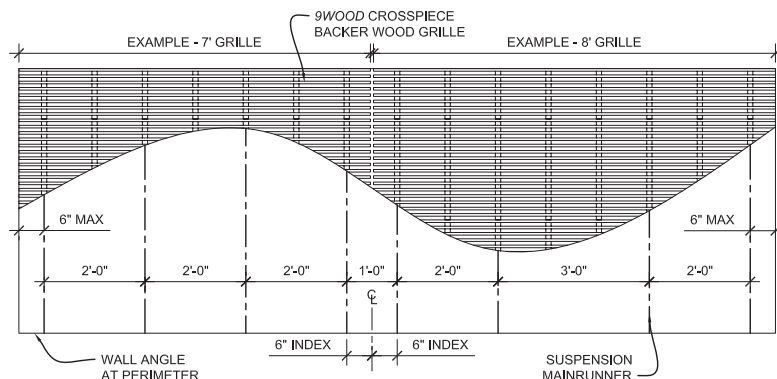


Figure 2a — Even and Odd foot-length panels

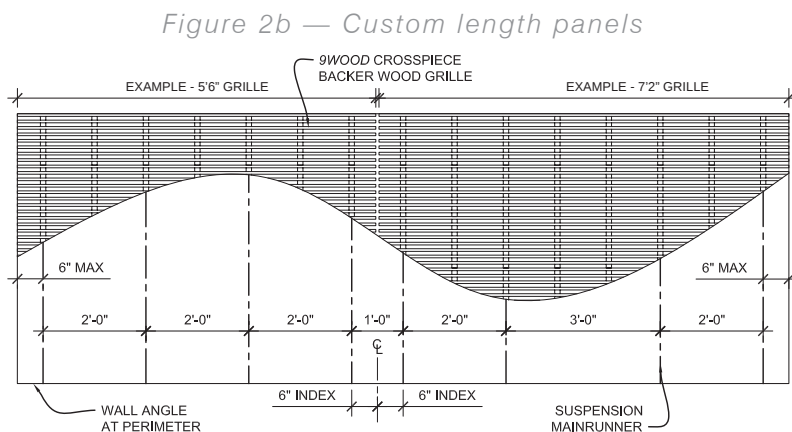


Figure 2b — Custom length panels

Installation

Step 4 – Position Grille

It is recommended to use a straight edge or laser plane to maintain a consistent reveal. Lift the first dowel / backer grille up to the visible side of the suspension system. The backers should align with the mainrunners (see Fig. 3 & Fig. 4).

Step 5 – Secure Grille

To create proper alignment, the wood grille can be placed against the suspension grid and temporarily clamped. This will help keep the wood grille from drifting out of alignment during installation. Attach the wood grille to the mainrunners with two black #6 fine thread drywall screws through backers at each main runner location (six screws per 8'; see Fig. 5).

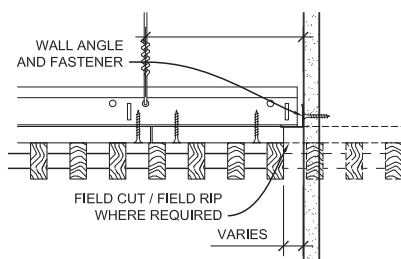


Figure 3

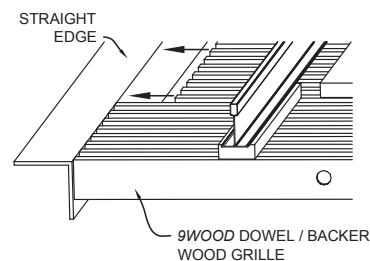


Figure 4

Step 6 – Continuing Installation

Continue to install dowel / crosspiece backer grilles progressively across the ceiling. If fabric scrim or duct liner is required, install progressively with wood grilles. Fixture cutouts (see field cutting and or field ripping guide for recommended approach, tools, etc.) should be performed as the ceiling system is being progressively installed. The last wood grille installed may require field cutting/field ripping to maintain the desired reveal (see Fig. 6).

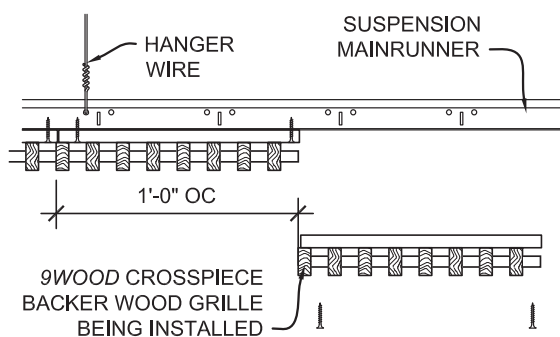


Figure 5

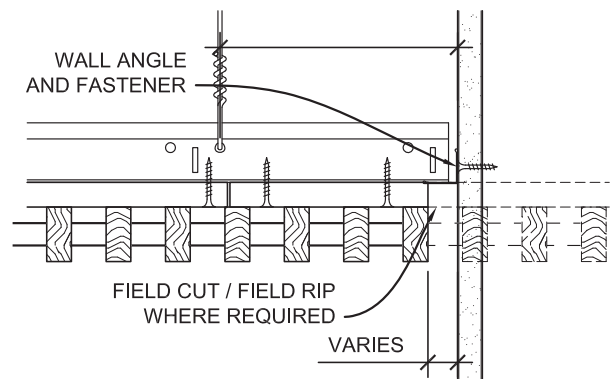


Figure 6



Finishing Conditions

Veneer Products

Applying matching edgebanding, stain and/or clear satin lacquer finish to field cut/field ripped edges may be required.

Solid Wood Products

Applying matching stain or clear lacquer finish to field cut edges may be required. In exterior environments the field cut ends must be coated with the exterior touch up finish provided by 9Wood.

Final Dust / Clean

Prior to installation or after installation wood members should be dusted. Use a dry dust cloth to clean members. Do not use cleaning chemicals or wet cloths. Aerosol furniture polishes that will not affect the sheen can be used with appropriate caution to remove greasy finger prints if “white gloves” were not used during handling. Do not spray directly on the wood surface. Apply small amounts on a soft cloth and rub gently. Minor surface scuffing or scratches can be removed by lightly rubbing the affect area with a dry, clean steel wool (#0000). Do not over apply.