



DATA SHEET

# 1400 Dowel Backer Grille

Solid Wood



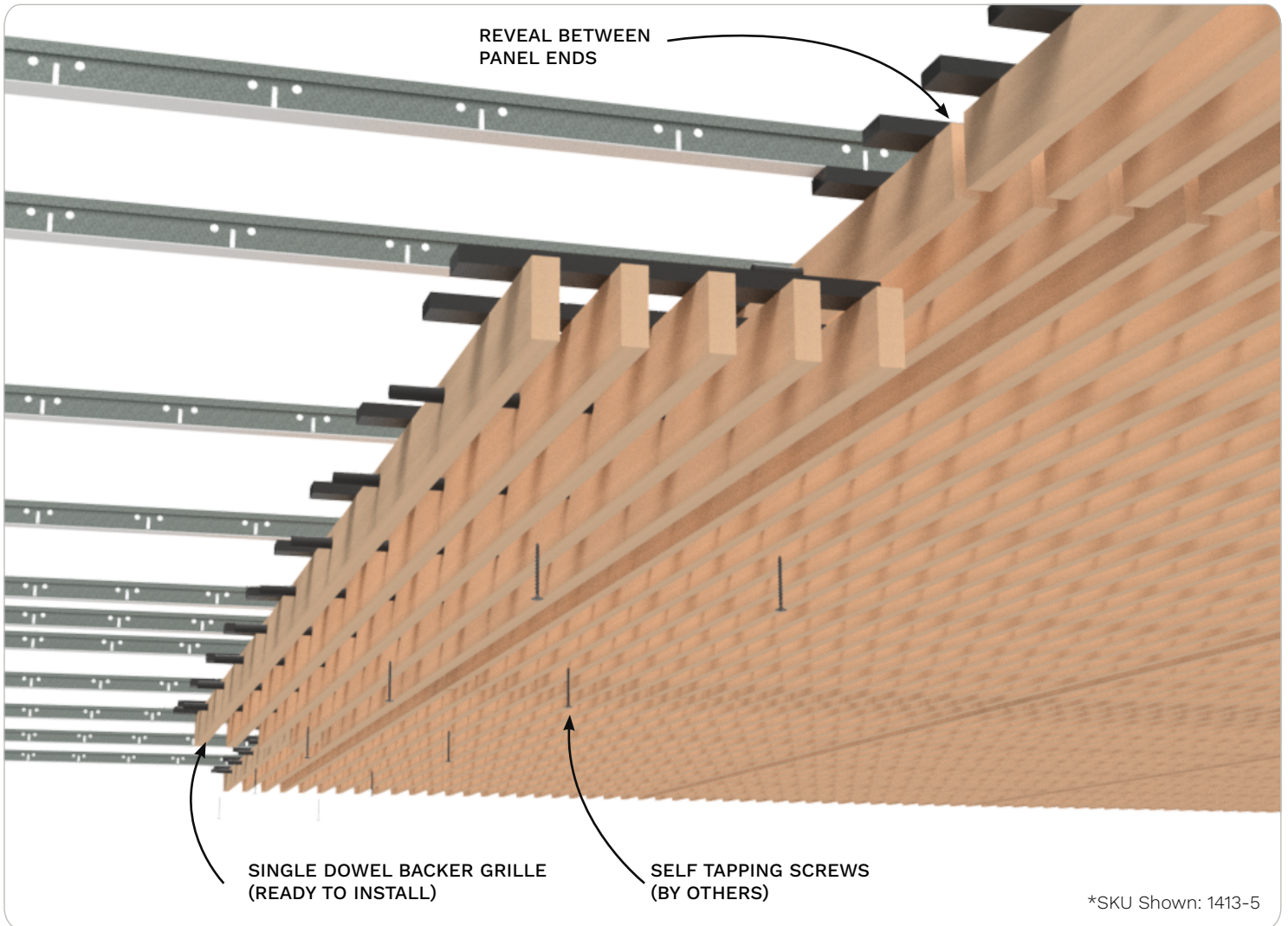
# 1400 | DOWEL BACKER GRILLE | SOLID WOOD

The **9Wood Dowel Backer Grille** wood ceiling offers a design where the individual wood member is deeper than it is wide. The solid wood panel width is 12", with lengths ranging from 2' to 12' in 1' increments.

Attachment for the **Dowel Backer Grille** is via screws fastened directly through the backer

into standard T-Bar grid.

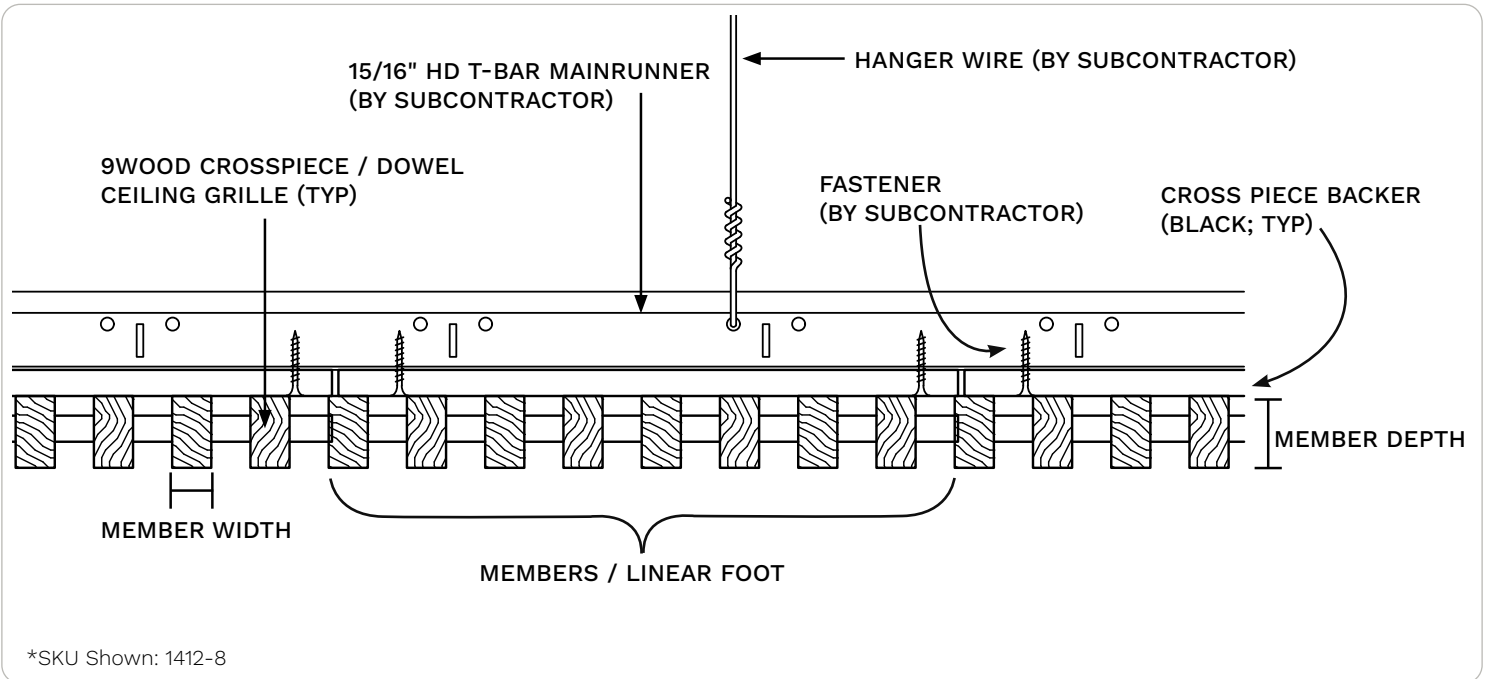
Panel access is available by means of removing attachment screws hidden in reveals. Repeated removal requires threaded 9Wood Caddy-Lock attachment as opposed to screws.



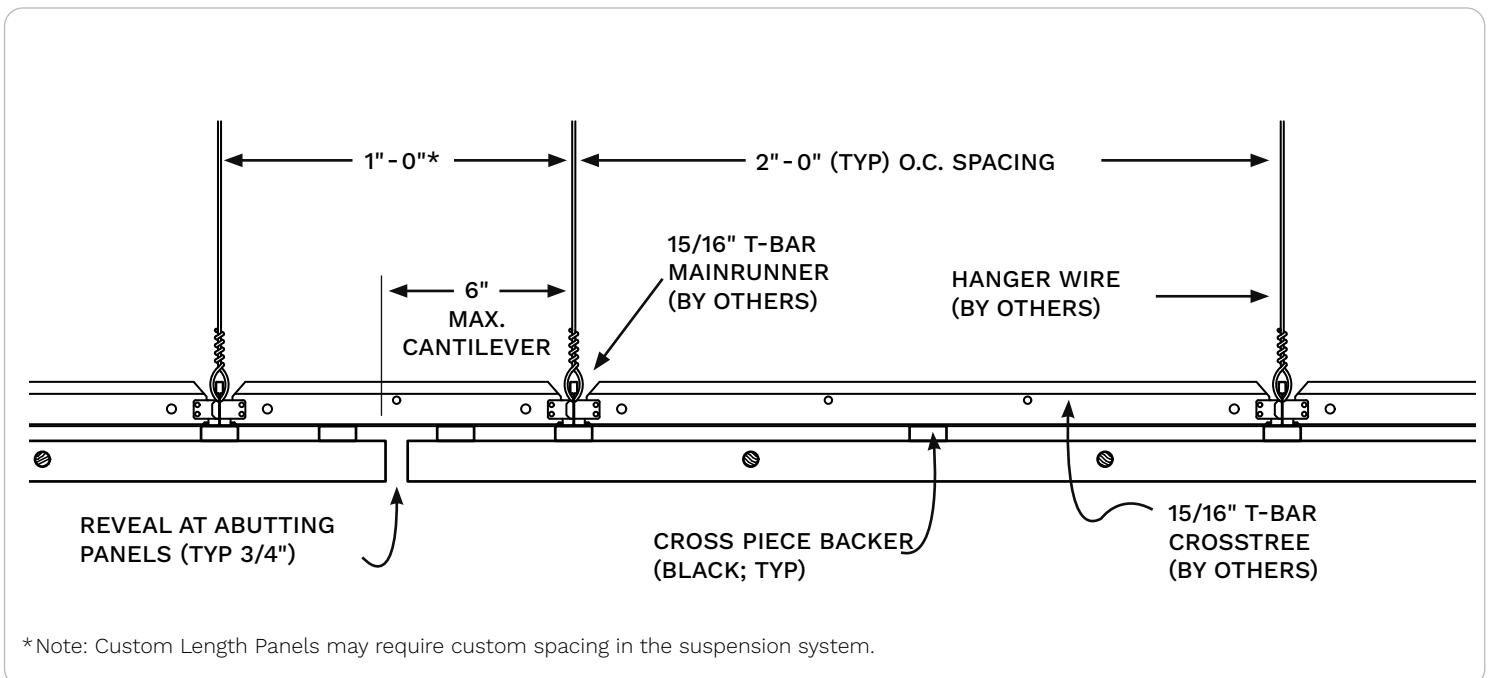
# DOWEL BACKER GRILLE | Typical Specifications



## Typical Specifications



## Suspension Conditions





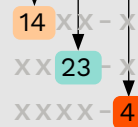
## How to build your SKU

- **Pick your member size** (Rows). This gives you your first four digits (e.g., 1423).
- **Pick your density** (Columns). This is the number of wood members per foot.
- **Combine them with a dash.** A 2 x 3 member with 4 members per foot creates SKU 1423-4.

## SKU Decoder

Example: 14 23 - 4

- Style "1200 Dowel Backer Grille"
- Member Size "2 x 3 Nominal"
- Density "4 Members / LF"



## SKU Table

Member Size (Nominal)	Width	Depth	Density (Members per Linear Foot)							
			2	3	4	5	6	7	8	
1 x 2	3/4"	1 3/8"	1412-2	1412-3	1412-4	1412-5	1412-6	1412-7	1412-8	
1 x 3	3/4"	2 1/4"	1413-2	1413-3	1413-4	1413-5	1413-6	1413-7	1413-8	
1 x 4	3/4"	3 1/4"	1414-2	1414-3	1414-4	1414-5	1414-6	1414-7	1414-8	
1 x 6	3/4"	5 1/4"	1416-2	1416-3	1416-4	1416-5				
2 x 3	1 3/8"	2 1/4"	1423-2	1423-3	1423-4	1423-5				
2 x 4	1 3/8"	3 1/4"	1424-2	1424-3	1424-4	1424-5				

Additional width, depth, and M/LF options may be available. Please check with 9Wood if you don't see the combination that you have in mind.

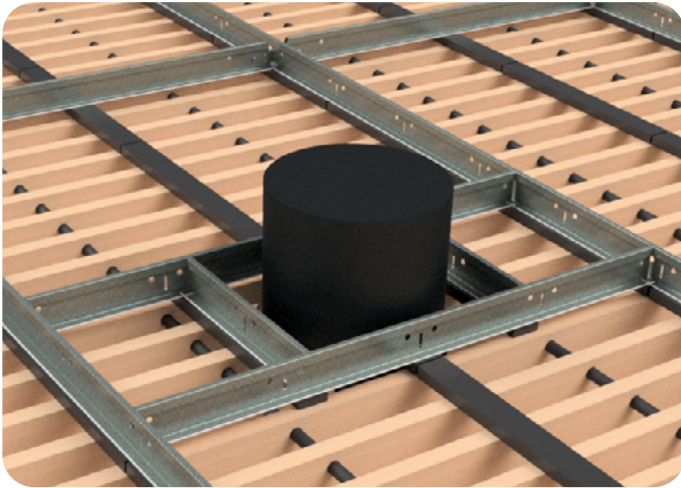
# DOWEL BACKER GRILLE | Lighting Integration Guidance



## Key Points

- All fixtures **must** be independently supported.
- Cut panels may require supplemental reinforcement.
- 9Wood is here to help

## Downlight Examples



**Direct Mount to T-Bar options** use clips or brackets to attach lighting fixtures securely. Cut panels may require supplemental reinforcement.

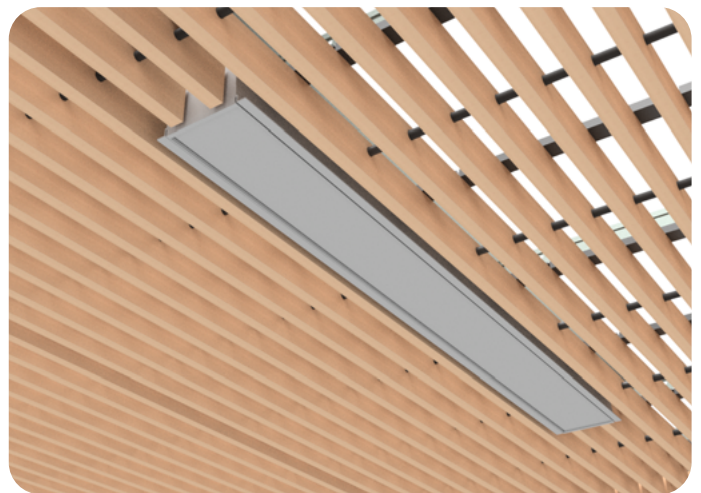


**Integrate Downlights**, cut precise openings in slats and add trim rings for downlights when cutting slats.

## Linear Lighting Examples



**Fixtures must be independently supported.** Lighting is always mounted to structure or T-Bar, not to wood members or clips.



**Integrate Linear Lighting** by running fixtures parallel to the wood slats and coordinating dimensions with the slat reveals.

## SPECIES OPTIONS | Solid Wood



### Species Options

Custom Made Fast is available in three solid wood species. Mixed Grain Western Hemlock is recommended for most applications due to its cost efficiency, versatility, and visual consistency. White Oak is available only in 1x2 and 1x3 members. Douglas Fir availability is limited and subject to market volatility.

[See All Species Options on 9Wood.com](#) →

### Finish & Color Options

All products are finished with a clear matte topcoat, regardless of stain color. Standard stain colors are available with Western Hemlock. Custom Color Matching is always available with no required minimums and at the same cost as Standard options. Send 9Wood a control sample to get started.

[See Standard Stains on 9Wood.com](#) →



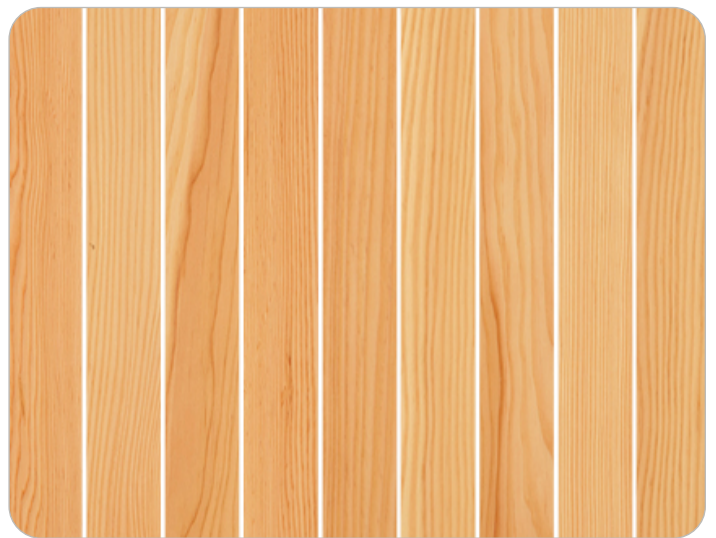
**Western Hemlock**  
Mixed Grain



**Western Hemlock**  
Vertical Grain



**White Oak**  
Mixed Grain



**Douglas Fir**  
Mixed Grain



## Application

The **Dowel Backer Grille** uses a pre-assembled panel fabrication process. This product can be installed throughout the country and is the preferred design in areas requiring seismic compliance. Panel access is available by means of removing attachment screws hidden in reveals. Repeated removal requires threaded 9Wood Caddy-Lock attachment as opposed to screws.

### Acclimatization

Dowel Backer Grilles must be cared for in a controlled interior environment (RH 25%-55% max; temp. 60°-80°) and installed only after reaching equilibrium moisture content.

### Acoustics

The Dowel Backer Grille can enhance acoustics via sound absorbing material placed over open reveals within the T-Bar grid. Insulation is typically provided locally. Specifiers should search within CSI MasterFormat Division 09 and Division 23, including:

09 81 00 Acoustical Insulation

09 84 00 Acoustical Wall/Ceiling Elements

23 07 00 HVAC Insulation

### Fire Rating

Individual members are treated with a Fire Retardant that helps it meet Class A per ASTM E84.

### LEED

Dowel Backer Grilles may help contribute to LEED credits for: Material sourcing, Material ingredients, Low Emitting Materials, and Environmental Product Declarations. Credit support based on design choices, please contact 9Wood for more information.

### MEP

The Dowel Backer Grille permits MEP penetrations in the ceiling's surface. Cut panels may require supplemental reinforcement. Fixtures and diffusers must be independently supported.

### Seismic

Dowel Backer Grilles provide seismic code compliance by means of mechanical direct screw attachment to T-Bar via the cross piece backer. Please consult local code or a licensed engineer for any additional requirements.

### Suspension

Dowel Backer Grilles are directly attached to 15/16" heavy duty T-Bar main runners. Main runners are typically installed 2' on center, depending on panel weight.

### System Weight

Dowel Backer Grilles typically weigh 2-4 pounds per square foot, depending on members per linear foot and species.



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9wood.com

999 South A Street  
Springfield, OR 97477  
Tel: 888-767-9990  
sales@9wood.com

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