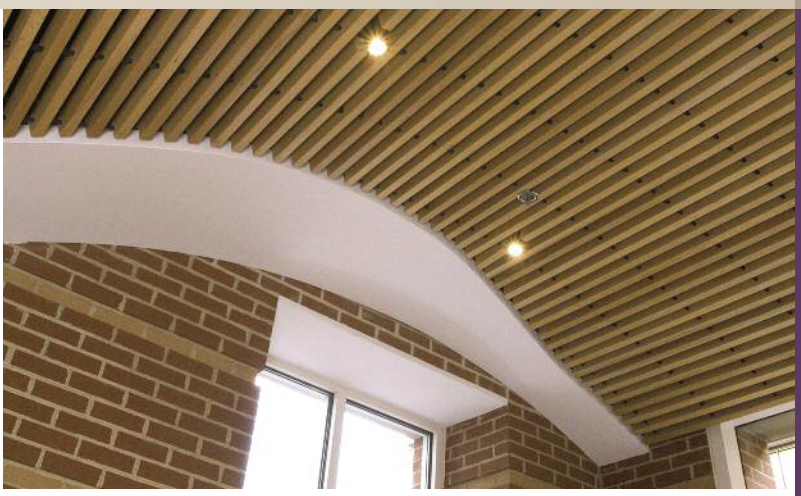
Wood Grille | CEILINGS & WALLS

- solid wood or real wood veneers
- class A fire-rated coating available
- certified wood available
- variety of mounting styles work with 15/16" HD t-bar
- variable member sizes and spacing for customization
- trim reveals and cutouts for fixtures
- can be customized to minimize field cutting



wood grille ceiling, flexible backer grille, maple

PROFILE & SPACING

PROFILE: 5/8" x 1 3/8"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
V6-1-6		1 3/8"	69%	45°
V8-1-6		7/8"	58%	57°
V10-1-6		9/16"	48%	68°
V12-1-6		3/8"	38%	75°

PROFILE: 5/8" x 2 1/4"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
V4-1-9		2 3/8"	79%	44°
V6-1-9		1 3/8"	69%	59°
V8-1-9		7/8"	58%	69°

PROFILE: 5/8" x 4"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
V3-1-11		3 3/8"	84%	50°

PROFILE: 1" x 1 3/8"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
V6-3-6		1"	50%	54°
V8-3-6		1/2"	33%	70°

PROFILE: 1" x 2 5/16"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
V6-3-9		1"	50%	67°
V8-3-9		1/2"	33%	78°

PROFILE: 1 1/2" x 3/4"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
H4-7-2		1 1/2"	50%	27°
H6-7-2		1/2"	25%	56°

PROFILE: 2" x 3/4"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
H4-8-2		1"	33%	37°

PROFILE: 2 5/16" x 3/4"

CATALOG#	END VIEW	SPACING	OPEN AREA	CUT-OFF ANGLE
H4-9-2		11/16"	23%	47°

REVEAL CONSIDERATIONS

OPEN - allows sound to pass through the ceiling plane into the plenum, typically to be absorbed by an aoustical blanket.

FELT - visual block with Class A fire-rated felt, typically black, factory applied.

BUG SCREEN - minimal visual block, supplied in rolls to be field applied to block most insects.

RESIN - durable plastic backer typically used in wall applications.

tel: 888.357.2345 | fax: 800.462.6650 | www.nortonceilings.com

NORTON INDUSTRIES INC.

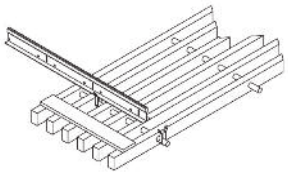
ASSEMBLY & MOUNTING

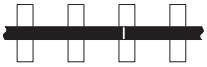
TOP VIEW | SECTION VIEW

ceiling

DOWELED GRILLE

- Wood Grille Doweled Panels attach to 15/16" HD t-bar using our steel dowel clip.
- Heavy-duty main tees, spaced 24" on center, with corresponding perpendicular cross tees are appropriate for most installations.
- Each board is drilled for dowel location using precision CNC equipment.
- Dowel width is 9/16" and the standard finish is black.
- Acoustical pad can be installed on top of grille.

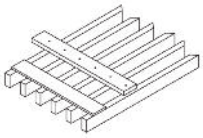




ceiling

FLAT BACKER GRILLE

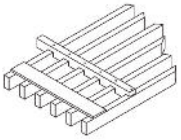
- Wood Grille Flat Backer Panels attach to 15/16" HD t-bar using standard fasteners appropriate for the project conditions.
- Heavy-duty main tees spaced 24" on center with corresponding perpendicular cross tees are appropriate for most installations.
- Standard backers are 1¼" or 1¾" wide, spaced 12" on center and dyed black.
- Black felt backer available between member and backer to block view of plenum.



ceiling

NOTCHED BACKER GRILLE

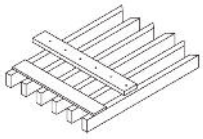
- Wood Grille Notched Backer Panels attach to 15/16" HD t-bar using standard fasteners appropriate for the project conditions.
- Heavy-duty main tees, spaced 24" on center, with corresponding perpendicular cross tees are appropriate for most installations.
- Notched backers are 1¾" wide, spaced 12" on center and dyed black.
- Acoustical pad can be installed on top of grille.



wall

DIRECT MOUNT WALL GRILLE

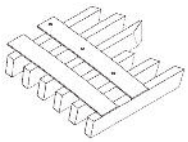
- Wood Grille Direct Mount panels attach to wall or other structure using standard fasteners.
- Wood Grille Direct Mount panels are manufactured using solid flat backers or flexible backers.
- Black felt backer available between member and backer to block view of plenum.

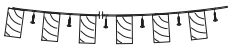


ceiling & wall

FLEXIBLE BACKER GRILLE

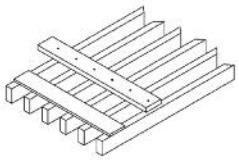
- Wood Grille Flexible Backer Panels attach to HD t-bar or structure using standard fasteners appropriate for the project conditions.
- Backer is a black, unbreakable, flexible, resin based material.
- Black felt backer available between member and backer to block view of plenum.





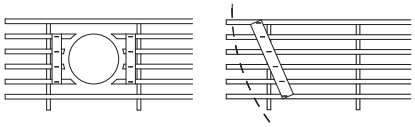
ALIGNMENT BACKER

Alignment Backers are standard on all Wood Grille designs. This aids in maintaining blade to blade alignment.



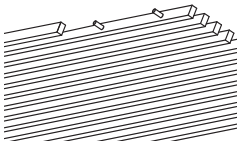
CUT-OUTS & FIELD MODIFICATION

Recessed lights can easily be accommodated with factory provided hatches or field modification. Light fixtures, sprinklers, speakers, smoke detectors, security cameras and other equipment can easily penetrate the grille panels at any point necessary. It is important to brace the grille panels when field trimming. Support backers are supplied.



BLIND BLADE EDGE DETAILS

End cap blades are provided with blind holes on one side and are installed at intersections where grilles change directions to conceal dowel ends.



SOLID WOOD SELECTION

ASH (AS) · BIRCH (BI) · CHERRY (CH) · DOUGLAS FIR, MIXED GRAIN (DFM) · DOUGLAS FIR, VERTICAL GRAIN (DVM) · HEMLOCK, MIXED GRAIN (HM) · HEMLOCK, VERTICAL GRAIN (HV)

POPLAR (PL) · RED OAK (RO) · WALNUT (WN) · WESTERN RED CEDAR (WRC) · WHITE MAPLE (WM) · WHITE OAK (WO)

VENEER SELECTION ** Standard veneers*

ANIGRE, PLAIN SLICE (AP) · *ASH, WHITE QUARTERED (AWQ) · BAMBOO, CARAMEL NARROW CANE (BCN) · BAMBOO, CARAMEL WIDE CANE (BCW) · BAMBOO, NATURAL NARROW CANE (BNN) · BAMBOO, NATURAL WIDE CANE (BNW) · BEECH, EUROPEAN STEAMED PLAIN SLICE (BEP)

BIRCH, SELECT WHITE ROTARY CUT (BSWR) · *CHERRY, PLAIN SLICE BOOK MATCH (CPB) · *CHERRY, QUARTERED (CQ) · DOUGLAS FIR ROTARY CUT (DFR) · EUCALYPTUS QUARTERED (EQ) · HICKORY PLAIN SLICE BOOK MATCH (HPB) · MAHOGANY PLAIN SLICE (MP)

*MAPLE, WHITE ROTARY CUT (MWR) · *MAPLE, SELECT WHITE PLAIN SLICE BOOK MACTH (MSWPB) · *OAK, RED, PLAIN SLICE, BOOK MATCH (ROPB) · *OAK, RED, RIFT CUT, BOOK MATCH (RORB) · OAK, WHITE RIFT CUT (WOR) · SAPELE PLAIN SLICE (SP) · *WALNUT PLAIN SLICE (WP)

RECON MAPLE (RM) · RECON WALNUT (RW)

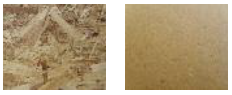
SIMULATED FINISHES **On white hardwood*

BEECH (SB) · CHERRY, DARK (SDC) · CHERRY, LIGHT (SLC) · MAPLE (SM) · WALNUT (SW)

NATURAL FINISHINGS

TEXTURE SAWN HEMLOCK (TSH) · TEXTURE SAW WESTERN RED CEDAR (TSWRC)

UN-WRAPPED



PARTICLE BOARD (PB) · PLAIN MDF (MDF)

SOLID WOOD

- Interior Applications
- Other species are offered
- Zero VOC water-based 20% sheen clear topcoat
- Custom stains available
- Class A fire-rated coating available
- Variable profile

45LB DENSITY CORE - VENEER FINISH

- Interior Applications
- Extensive veneer selection
- Zero VOC water-based 20% sheen clear topcoat
- Custom stains available
- Class A fire-rated coating available
- Variable profile
- High recycled content
- No added urea-formaldehyde
- Maximum stability, no warping

There are many other veneer options available.
For inquiries, please call us at 888.357.2345

Note: *the veneer colors and grain shown here are representative of the species only.*

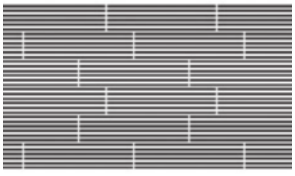
AVAILABLE LEED® CREDITS

- ✓ MR Credit 2.1/2.2 Construction Waste Management
- ✓ MR Credit 3.1/3.2 Materials Reuse
- ✓ MR Credit 4.1/4.2 Recycled Content
- ✓ MR Credit 5.1/5.2 Regional Materials *(location dependent)*
- ✓ MR Credit 7.0 Certified Wood
- ✓ EQ Credit 3.1/3.2 Construction IAQ Management Plan
- ✓ EQ Credit 4.1/4.2/4.4 Low Emitting Materials

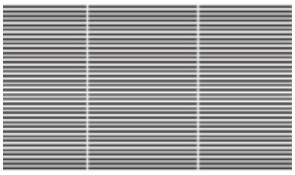
PATTERN CONSIDERATIONS

Backers and Dowels are 1/16" short of the module width. This allows for the backer to expand and contract. Each module is centered by the installer.

Typically there is a 1/2" or 1" gap separating panel lengths, which allows for natural expansion and contraction of wood. This design is fully accessible at any location for maintenance within the plenum area. Gaps can be spaced either randomly or symmetrically. It is important to specify the length of the panel and/or the desired gap when determining the layout of the ceiling. The standard module is 1' x 8', however, we often let the layout of the space determine the best module size to reduce field trimming and waste. Please consult Norton Industries for limitations and options.



staggered joints



symmetrical joints