

Inspiring Great Spaces[®]



Broaden Your HORIZONS

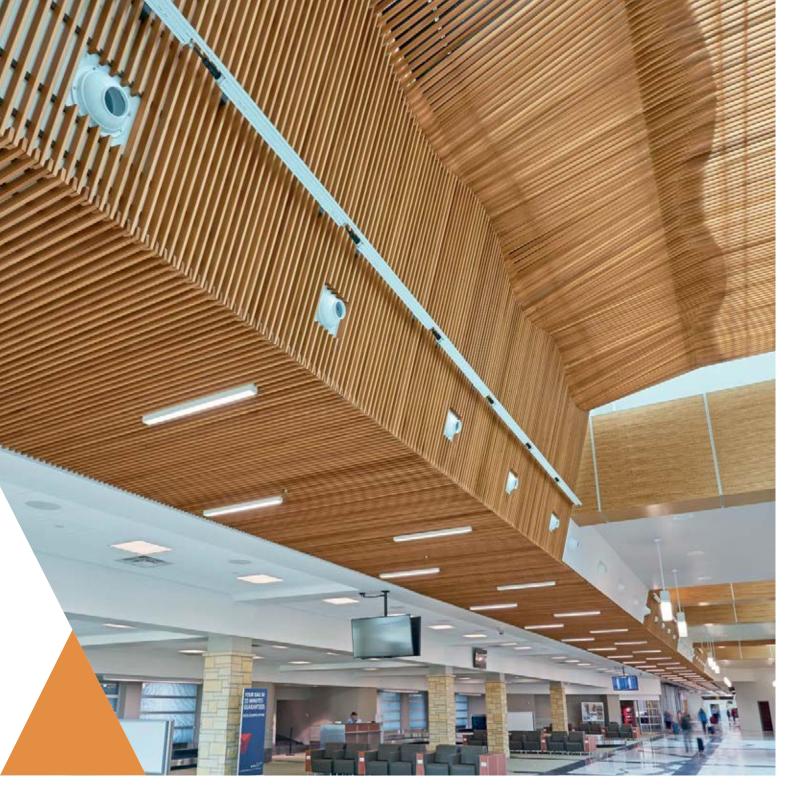
Warm, natural wood ceilings in rectilinear solid wood panels create dramatic lines for ceilings and walls, adding a unique perspective to your design.

- Vertical and horizontal slats come in a variety of standard depths and widths; custom sizes also available
- Installs in the ceiling, on the wall, or create 90° angled or faceted ceiling-to-wall transitions
- Panels provide easy installation and design adaptability with dowel, backer, or dowel and backer combination
- Custom-curved application available with flexible backer
- Suspension system virtually disappears with backers that easily install on standard grid
- FSC[®] and Rainforest Alliance[®] Certification available upon request

curvy, flat, angled...design away

WoodWorks® Grille ► Boston Public Library Johnson Building, Boston, MA William Rawn Associates, Architects, Inc., Boston, MA





WoodWorks® Grille; The Eastern Iowa Airport, Cedar Rapids, IA; Mead & Hunt, Inc., Minneapolis, MN

BLUR THE LINE

Let linear motion cascade downward from the ceiling to the walls with dramatic flowing lines and intersecting angles.

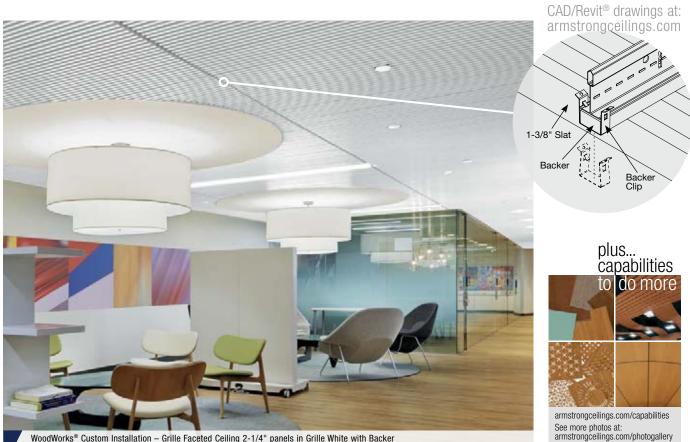
ACCENTUATE GEOMETRICS

Develop a bold look with congruous lines that create spatial harmony on a linear frame.

WoodWorks® Grille Custom; Gourley Plaza Mercantile Center, Ft. Worth, TX; VLK Architects, Ft. Worth, TX



WOODWORKS[®] Grille Solid Wood Backer, Dowel, and Backer & Dowel Combination



WoodWorks® Custom Installation - Grille Faceted Ceiling 2-1/4" panels in Grille White with Backer

These warm, natural wood ceilings offer installation flexibility and a variety of design options.

KEY SELECTION ATTRIBUTES

- · 13 pre-designed panels with new slat heights and widths
- · Custom slat sizes and finishes available for every project
- · Now, painted White finish for maximum design flexibility
- · Install in the ceiling, on the wall, or create 90° angled or faceted ceiling-to-wall transitions
- · Easy installation with dowel or backer,
- or backer and dowel combination · FSC® and Rainforest Alliance® Certified
- wood options available



Due to printing limitations, shade may vary from actual product.



Grille Walnut Custom Finishes Available

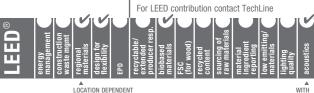
(GWN)

NOTE: Panel backers are black. Custom backer colors available.



WOODWORKS[®] Grille

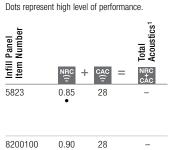
Solid Wood Backer, Dowel, and Backer & Dowel Combination



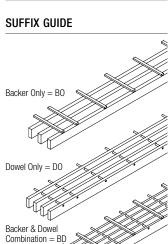
INFILL PANEL

VISUAL SELECTION

Edge Profile	ltem No. ◆	Slat Width	Slat Height	Slats Per Panel	Slat Spacing (Nominal)	Dimensions (Inches) Nominal W x L x H*
		Custom Slat Sizes Available			Custom Panel Sizes Available	
WOODWORKS G	rille – Backer, Dov	vel, and B	acker & C	owel Combi	ination	
Backer, Dowel, or Backer & Dowel	7263	5/8"	1-3/8"	6 slats	1-3/8"	12 x 96 x 1-7/8" Backer Only 12 x 96 x 1-3/8" Dowel Only
Combination	7264	5/8"	1-3/8"	8 slats	7/8"	12 x 96 x 1-7/8" Backer Only 12 x 96 x 1-3/8" Dowel Only
	7265	5/8"	2-1/4"	6 slats	1-3/8"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7266	5/8"	2-1/4"	8 slats	7/8"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7091	5/8"	3-1/4"	5 slats	1.75"	12 x 96 x 3-3/4" Backer & Dowel 12 x 96 x 3-1/4" Dowel Only
	7092	5/8"	3-1/4"	6 slats	1-3/8"	12 x 96 x 3-3/4" Backer & Dowel 12 x 96 x 3-1/4" Dowel Only
	7093	5/8"	4-1/4"	5 slats	1.75"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7094	1"	2-1/4"	4 slats	2"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7095	1"	3-1/4"	4 slats	2"	12 x 96 x 3-3/4" Backer Only 12 x 96 x 3-1/4" Dowel Only
	7096	1"	4-1/4"	4 slats	2"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7097	1-1/4"	3-1/4"	3 slats	2-3/4"	12 x 96 x 3-3/4" Backer Only 12 x 96 x 3-1/4" Dowel Only
	7098	1-1/4"	4-1/4"	3 slats	2-3/4"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7099	1-1/4"	5-1/4"	3 slats	2-3/4"	12 x 96 x 5-3/4" Backer & Dowel 12 x 96 x 5-1/4" Dowel Only



ACOUSTICAL INFORMATION



♦ When specifying or ordering please include the installation type and color suffixes (e.g., 7092 <u>B</u> <u>D</u> <u>G</u> <u>L</u> <u>C</u> - 6 slats 3-1/4" Backer & Dowel in Grille Light Cherry). Installation suffixes: B0 = Backer, D0 = Dowel, BD = Backer & Dowel Combination

NOTE: For additional color and size options, or curved applications options with flexible Backers (special order), call TechLine at 1 877 276-7876. Actual panel length is 95" NOTE: Panel backers are black. Custom backer colors available.

ACCESSORIES

*

	ltem No. ✦	Description	Dimensions Nominal W x L (Inches) Custom Sizes Available	Color (Refer to Pg. 185)	Pcs/ Ctn
Л	5672	Junction - 1-3/8"	1-1/2 x 96 x 2"	All finishes	Bulk
Ľ	5674	End Cap — 1-3/8"	3/4 x 96 x 2"	All finishes	Bulk
	5675	End Cap – 2-1/4"	3/4 x 96 x 2-3/4"	All finishes	Bulk
	7170	End Cap – 3-1/4"	3/4 x 96 x 3-3/4"	All finishes	Bulk
	7171	End Cap – 4-1/4"	3/4 x 96 x 4-3/4"	All finishes	Bulk
	7172	End Cap — 5-1/4"	3/4 x 96 x 5-3/4"	All finishes	Bulk
U	5687	Backer Clip	3/8 x 11/16 x 7/8"	N/A	250 pcs/pail

	ltem Number ◆	Description	Dimensions Nominal W x L (Inches) Custom Sizes Available	Color (Refer to Pg. 185)	Pcs/ Ctn
U	5688	Dowel Clip	3/8 x 7/8 x 7/8"	N/A	250 pcs/pail
	5671	Ledger	1 x 96 x 1/4"	All finishes	Bulk
	7891	12 Gauge Soft Hanger Wire	144" Length	N/A	140
	92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
	6459BL	Uptight Clip	5-1/2 x 1-3/4"	Black	25
	RC2BL	RC2 Radius Clip	N/A	Black	205

When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5671 G M P).

SUSPENSION SYSTEMS

15/16"	

Heavy Duty Prelude® XL® (Black recommended)

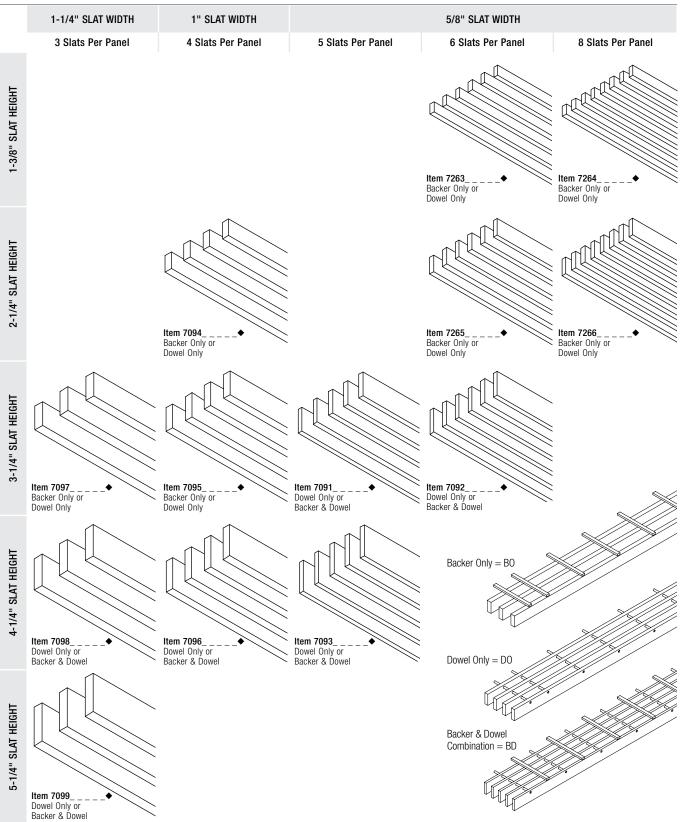
TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels available. See pages 199-200 in this catalog or visit armstrongceilings.com/woodworks



WOODWORKS[®] Grille Solid Wood Backer, Dowel, and Backer & Dowel Combination

STANDARD SIZES

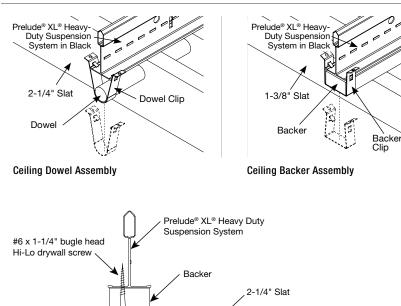


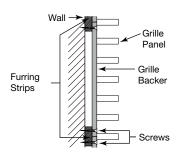
◆ When specifying or ordering please include the installation type and color suffixes (e.g., 7092 <u>B</u> D <u>G</u> L <u>C</u> - 6 slats 3-1/4" Backer & Dowel in Grille Light Cherry).



WOODWORKS[®] Grille Solid Wood Backer, Dowel, and Backer & Dowel Combination

SYSTEM INSTALLATION DETAILS





Wall Backer Assembly

Slat sizes over 2-1/4" are not recommended for wall applications. Contact TechLine for details at 1 877 276-7876.



Screw Attachment Detail

NOTE: See Woodworks® Grille installation instructions for details on faceted installation.

ACOUSTICAL PERFORMANCE

Noise Reduction Coefficient, or NRC, is a measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. WoodWorks® Grille has an NRC value of 0.85 when installed with a BioAcoustic™ infill panel 5823.

NRC is important in any closed space where reverberation time and noise levels are an issue:

· Closed offices, conference rooms

· Lobby, reception, and work areas

- · Mixed plan office
- · Classrooms/core learning areas, gymnasiums, cafeterias
- · Retail spaces; checkout and other customer contact areas

Factors that may affect the installed acoustical performance relative to the published results are:

- · Size of area
- · Number of panels
- · Layout of panels
- · Suspension distance below exposed deck or finished ceiling
- · Other surfaces in the space

Ceiling **Exposed Structure** Ultima® WoodWorks Grille (no Ceiling) (100% Ceiling) (100% Ceiling) Reverberation Time 3.4 seconds 0.5 seconds 0.5 seconds (RT) **RT** Improvement N/A 85% 85% Background N/A 4.7dB 5.8dB Noise Reduction in Decibels (dB)

NOTE: You can calculate the acoustical difference that WoodWorks Grille panels can make in your space by using our online Reverb Calculator Tool at armstrongceilings.com/reverbtool

PHYSICAL DATA

Material

Dowel, Slats, Backers, and Tegular panels – solid Poplar (yellow or hybrid).

Surface Finish

Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

Fire Performance

Solid Poplar (yellow or hybrid) Hardwood Slats and Backers

and backers – Class C ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

Fire performance will vary between wood species. Contact TechLine at 1 877 276-7876 for details.

These panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Application Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations Custom slat and panel sizes available.

Backer & Dowel

For slat heights over 5", both Dowels and Backers are required for stability. Backer height is 1/2". Panel backers are black. Custom backer colors available.

Inflill Panel Use If no infill panel is used, unfinished parts of the suspension system and Axiom® trim will be visible from below.

Site Conditions

It is very important that panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be

Installation Consideration

When junction accessory is not used, the result will be a 1" gap between slat lengths.

Seismic Restraint

WoodWorks® Grille panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions

Warranty

Details at armstrongceilings.com

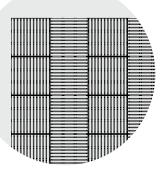
- Weight 7263 2.0 lbs/SF 7264 2.6 lbs/SF 7265 2.8 lbs/SF 7091 3.2 lbs/SF 7093 3.0 lbs/SF
- 7092, 7094, 7097 3.4 lbs/SF 7095 3.5 lbs/SF 7266, 7096, 7098 3.6 lbs/SF 7099 4.37 lbs/SF



WOODWORKS[®] Grille Tegular



CAD/Revit® drawings at: armstrongceilings.com



plus... capabilities to do more

armstrongceilings.com/capabilities See more photos at: armstrongceilings.com/photogallery



Now get Total Acoustics® performance with WoodWorks® Grille Tegular horizontal slats - excellent noise reduction and sound blocking in one system.

KEY SELECTION ATTRIBUTES

- · Get total noise control and design new flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
 - · Painted white finish for even more design flexibility
 - · Vertical slats are deeper than they are wide creating a more open feel

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



- · Tegular panels with backers easily install on standard suspension system
 - with Axiom® trim

TOTAL ACOUSTICS® PANEL INSTALLATION



WoodWorks® Grille ceiling panel with Calla® 2820BK acoustic infill panel for Total Acoustics[®] performance



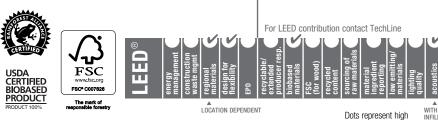
· Horizontal slats are wider than they are

- deep creating a warm, more solid look • 24" x 24" and 24" x 48" sizes available
- in vertical and horizontal slat designs FSC[®] and Rainforest Alliance[®]
- Certification available upon request
- · Panels are designed so the suspension system virtually disappears

Custom Finishes

- · Create continuous looks and clouds

WOODWORKS[®] Grille Tegular



VISUAL SELECTION

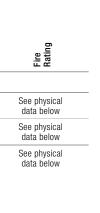
Edge Profile	ltem No. ✦	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available
FSC®-certified W	OODWORKS® Gril	le Tegular for 9/16" S	Suspension System
9/16" Tegular with Horizontal Slats	662808	1/2" x 1-1/2" 12 horizontal slats	24 x 24 x 1"
	663008	1/2" x 1-1/2" 12 horizontal slats	24 x 48 x 1"
9/16" Tegular with Vertical Slats	662912	1/2" x 1-1/2" 12 vertical slats	24 x 24 x 2"
FSC®-certified W	OODWORKS Grille	Tegular for 15/16" S	Suspension System
15/16" Tegular with Horizontal Slats	662812	1/2" x 1-1/2" 10 horizontal slats	24 x 24 x 1"
	663012	1/2" x 1-1/2"	24 x 48 x 1"

10 horizontal slats

24 x 48 x 2"

1/2" x 1-1/2"

12 vertical slats



See physical data below

See physical

data below

See physical

data below

PERFORMANCE

ACOUSTICA	L INFORM	/IATION		erformance.	PANE
Performance deter	mined by slat	spacing		_	
Item Number	ill Panel m Number	_	_	Total Acoustics	
Ite	Infill Item	NRC		E NRC CAC	_
662808 9/16" Tegular	5823	0.75	N/A	-	
	1713BL	0.75	35 •	BETTER	
	2820BK	0.85 •	35 •	BEST	
662812	5823	0.75	N/A	-	_
15/16" Tegular	1713BL	0.75	35 •	BETTER	
	2820BK	0.85 •	35 •	BEST	

¹ Total Acoustics[®] ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

GOOD (NRC 0.60-0.65; CAC 35+)

BETTER (NRC 0.70-0.75; CAC 35+) BEST (NRC 0.80+; CAC 35+)

For infill panel information, refer to Pg. 200.

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 663008 G L C). NOTE: For additional color and size options, call TechLine at 1 877 276-7876

663112___

ACCESSORIES

15/16" Tegular with

Vertical Slats

ltem No. ◆	Description	Dimensions Nominal W x L x H (Inches)	Color	Pcs./ Ctn.	ltem No.	Description	Dimensions Nominal W x L (Inches)	Color	Pcs./ Ctn.
AX4VESTRBL	4" Axiom® Vector®*	120 x 3/4 x 4"	Black (BL)	_	AXTBC	T-Bar Connector Clip	N/A	N/A	10
AX6VESTRBL	6" Axiom Vector*	120 x 3/4 x 6"	Black (BL)	_	AXSPLICE	Splice Plate with Setscrews	N/A	N/A	10
AX4VEQSISBL	4" Inside Corner Post	3/4 x 3/4 x 4"	Black (BL)	_	SH12	Support Hanger	144" x 2"	N/A	12
			. ,		5823	BioAcoustic [™] Infill Panel	24 x 24 x 5/8"	Black (Matte)	12
AX6VEQSISBL	6" Inside Corner Post	3/4 x 3/4 x 6"	Black (BL)	-	1713BL	School Zone® Fine Fissured™	24 x 24 x 3/4"	Tech Black	14
AX4VEOSCPBL	4" Outside Corner Post	3/4 x 3/4 x 4"	Black (BL)	_		Square Lay-in Acoustic Panel			
AX6VE0SCPBL	6" Outside Corner Post	3/4 x 3/4 x 6"	Black (BL)	_	2820BK	Calla® Square Lay-in Acoustic Panel	24 x 24 x 1"	Black	10

* Trim cartons include AXTBC Clips and AXSPLICE Splice Plates.

SUSPENSION SYSTEM

15/16"	$Prelude^{\otimes}XL^{\otimes}$ (Black recommended), 360° Painted with 4' cross tee rout holes at 12"
9/16"	Suprafine® XL® 9/16" Exposed Tee (Black recommended)

PHYSICAL DATA

Material

Solid Poplar (yellow or hybrid) (RA-COC-003601) Surface Finish

Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

Fire Performance

Solid Poplar Hardwood Slats and Backers – ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

Composite Grille product testing has not been completed, since results will vary on a project-by-project basis. Contact TechLine at 1 877 276-7876 for details

WoodWorks® Grille, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present. For more fire performance information, visit armstrongceilings.com/grille

Acoustics Considerations

NRC-tested using white panels. Painted panels may experience a slight reduction in NRC due to color painting processes

Application Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations

If no infill panel is used, unfinished parts of the suspension system and Axiom[®] trim will be visible from below.

TRIM AND ACOUSTICAL INFILL PANELS Trim and infill panels available. See Pgs. 199-200 in this catalog or visit armstrongceilings.com/woodworks

Item 662912 24" x 24" vertical slat panels are designed for checkerboard only. An uneven reveal between slats will be visible, if installed in a linear fashion.

Seismic Restraint

WoodWorks Grille has been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty Details at armstrongceilings.com

Weight (Bulk packaged)

662808, 662912, 663008, 663112 - 0.875 lbs/SF 662812, 663012 - 0.775 lbs/SF



TAKE THE NEXT STEP

1 877 276 7876

Customer Service Representatives 7:45 a.m. to 5:00 p.m. EST Monday through Friday

TechLine – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8:00 a.m. to 5:30 p.m. EST, Monday through Friday. FAX 1 800 572 8324 or email: techline@armstrongceilings.com

armstrongceilings.com/commercial

Latest product news

Standard and custom product information

Online catalog

CAD, Revit®, SketchUp® files

A Ceiling for Every Space® Visual Selection Tool

Product literature and samples – express service or regular delivery

Contacts - reps, where to buy, who will install

YOU INSPIRE[™] SOLUTIONS CENTER

1 800 988 2585 email: solutionscenter@armstrongceilings.com armstrongceilings.com/youinspire

Design Assistance

Collaborative design Detail drawings Specifications Planning and budgeting

Pre-construction Assistance

Layout drawings for standard and premium products

Project installation recommendations

Contractor installation assistance



helping to bring your one-of-a-kind ideas to life

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armstrongceilings.com/grille

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