From a monolithic visual, to blades, to mesh, MetalWorks™ Torsion Spring ceiling panels are available in a variety of styles and finishes. Ease of installation and increased accessibility make them the perfect choice for any project.

For the wood enthusiast, we offer three families of standard wood-look finishes, including our own factory-cut downlight panels for easy lighting integration. Standard and custom color options mean the sky’s the limit.
Empower YOUR DESIGN

Choose from popular finishes and perforations, or custom colors and perforations, to empower your design.

- Select finishes are part of the FAST134 program – available to ship in 4 weeks or less
- Select finishes are part of the Sustain™ portfolio, meeting the most stringent industry sustainability standards
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Monolithic visual with 100% downward accessibility
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)
PAINTED FINISHES

Satin Anodized (SAA)
Whitelume* (WHA)
Silverlume* (SIA)
Gun Metal* (MYA)
Lacquer Mill (LMA)
Brushalume (BAA)

CUSTOM COLORS
Available

STANDARD PERFORATION OPTIONS*
(1:1 scale shown)

M1
(Unperforated)
M15
(Rd 1612)
M16
(Rd 1607)
M14
(Rg 3205)
M17
(Rv 3223)
M18
(Rd 3210)
M19
(Rg 3220)

Custom Perforations Available

* Part of the Sustain portfolio
MetalWorks™ Sequels™ pre-coat finishes deliver wood-look visuals ... fast! Produced with high-definition, rotogravure printing technology, our newest family of wood looks is available as a standard finish on MetalWorks Torsion Spring, including factory-cut downlight panels.
- Part of the FAST134 program – available to ship in 4 weeks or less
- Factory-cut downlight panels and coordinating fixtures ensure that the intended design aesthetic is achieved every time
- Torsion Spring 24” x 24”, M1 panels approved for exterior use
- Also available as standard on MetalWorks™ Clip-on

SEQUELS™
PRE-COAT FINISHES

La Jolla Oak
(SQLO)

New Haven Walnut
(SQNW)

Cape May Cherry
(SQCC)

Montauk Driftwood
(SQMD)
When designing the University of Alabama Football Locker Room at Bryant-Denny Stadium, the design team from Forty Nine Degrees wanted “to create a unique experience so that anyone walking through the space would know they were in the home of the Alabama Crimson Tide,” explains Jesse Ranly, VP-Creative, Client Strategy at Forty Nine Degrees.

Situated at the end of the new team tunnel, where visitors are enveloped in audio-visual highlights of Alabama football history, the locker room is intended to be an extension of the sights and sounds of the tunnel.
the solution:

The concept the Forty Nine Degrees design team developed called for a metal ceiling, perforated with the Alabama Script A logo and random trails of additional perforations. Diffused lighting from a series of LED light boxes behind the ceiling would accentuate the Script A logo and illuminate the space below.

To make the ceiling concept a reality, Forty Nine Degrees turned to the design professionals at Armstrong who realized the design intent with a custom perforated MetalWorks™ Torsion Spring Ceiling System.

While the original concept called for the perforations in all the ceiling panels to be unique, Armstrong found a way to reduce the cost by commonizing the perforation patterns in the panels that were not part of the Script A logo.

“Of the 194 panels that make up the ceiling, only 65 unique panels were required to make up the logo,” explains Armstrong Design Manager Dan Holdridge. “The rest of them are four different types of common panels. The perforation patterns in the common panels look random, but they aren’t.”

Concerned that the perforations would not allow enough light to penetrate the space, Forty Nine Degrees considered adding auxiliary light fixtures to the ceiling. “That would have really detracted from the design,” explains Holdridge. “So, we played around with the perforations in the logo to open them up a bit and let more light into the room.”

To demonstrate how much light output the larger perforations would provide, Armstrong created virtual mockups that simulated how bright the room would be with the design. “That really helped them to see how much light they would actually get and that it would be enough to light the space,” says Holdridge.

Pleased with the result, Ranly says the ceiling is a “show stopper” and credited the Armstrong team with making it possible. “Armstrong helped us transform our vision into reality,” he says. “Its team of specialists provided solutions that made our concept achievable both in design and function.”
Natural Reflections

SUSTAINABLE FINISHES

MetalWorks™ Natural Reflections laminate finishes bring warmth to a space with an embossed, gorgeous wood-look finish for an upscale visual.

- Part of the Sustain™ portfolio, meeting the most stringent industry sustainability compliance standards today
- Also available as standard on MetalWorks 3D

Custom MetalWorks Torsion Spring ceiling and wall panels in Reflections – Rock Maple; Dover High School, Dover, DE
NATURAL REFLECTIONS
SUSTAINABLE LAMINATE FINISHES

Honey Maple (LHM)

English Walnut (LEW)

Cool Maple (LCM)

Honest Maple (LHS)

Spring Cherry (LSC)

Beloved Oak (LBO)

Midnight Forest (LMD)
Seventeen standard MetalWorks™ Effects™ wood-look finishes offer design options in bold, subtle, and classic wood grain looks.
EFFECTS CLASSICS
POWDER-COAT FINISHES

Effects Oak
(FXOK)

Effects Cherry
(FXCH)

Effects Dark Cherry
(FXDC)

Effects Walnut
(FXWN)

Effects Walnut Espresso
(FXWE)

EFFECTS BOLD
POWDER-COAT FINISHES

Effects Sea Salt
(FXSS, FXSS2)

Effects Poppy Seed
(FXPS, FXPS2)

Effects Sesame
(FXSE, FXSE2)

Effects Flax
(FXFL, FXFL2)

EFFECTS SUBTLE
POWDER-COAT FINISHES

Effects Ginger
(FXGR, FXGR2)

Effects Peppercorn
(FXPC, FXPC2)

Effects Macadamia
(FXMA, FXMA2)

Effects Cocoa Bean
(FXCB, FXCB2)

Effects Cinnamon
(FXCM, FXCM2)

Effects Coriander
(FXCO, FXCO2)
MetalWorks™ Torsion Spring panels provide a monolithic visual with a unique hide-the-grid installation with 100% swing-down accessibility.

**KEY SELECTION ATTRIBUTES**

- Four new Sequels™ pre-coat, wood-look finishes are part of the FAST134 program, including downlight panels.
- Seventeen standard Effects™ wood-look finishes offer on-trend design options in bold, subtle, and classic woodgrain looks.
- Natural Reflections laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum, now Class A and Canadian fire tested; visuals other than the ones shown are also available.
- Precise factory-cut downlight panels are fit-and-finish certified to integrate with USAI® Lighting BevelLED® 2.2 and BevelLED™ Mini trimless downlights.
- Sustainable Beyond Standard: Select standard and custom panels are part of the Sustain™ portfolio, and meet the most stringent industry sustainability compliance standards today.
- CleanAssure™ family of products — includes disinfectable panels, suspension systems, and trim.
- Select products included in the FAST134 program — ready to ship in 4 weeks or less.
- Transform your images onto custom perforated MetalWorks™ Create!™ ceiling panels for a unique aesthetic plus acoustical performance.
- Interior panels feature swing-down accessibility.
- Exterior options available in 24 x 24 x 1-1/2” and 24 x 48 x 1-1/2” standard panel sizes.
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns).
- Washable and impact-, scratch-, and soil-resistant.
METALWORKS™ Torsion Spring
Interior and Exterior
smooth texture

STANDARD COLORS & FINISHES  Due to printing limitations, shade may vary from actual product.

Painted

White Maple (WA)
Silver Maple (SA)
Gun Metal (MA)
Satin Anodized (BA)
Lacquer MII (LMA)
Brushedlume (BA)

Natural Reflections (Interior Only)
Sustainable Laminate Finishes

Cool Maple (LCM)
Honest Maple (LHS)
Honey Maple (LMM)
Spring Cherry (LSC)
Betted Oak (LBO)
English Walnut (LWA)
Midnight Forest (LMD)

Effects Classic
Dye-Sublimation

Effects Cherry (FXC)
Effects Dark Cherry (FXDC)
Effects Oak (FXO)
Effects Walnut (FXWN)
Effects Walnut Espresso (FXWE)

Effects Bold
Dye-Sublimation

Effects Sea Salt (FXS)
Effects Ginger (FXG)
Effects Nutmeg (FXNM)
Effects Poppy Seed (FXPS)
Effects Peppercorn (FXPC)
Effects Almond (FXAL)

Effects Subtle
Dye-Sublimation

Effects Sea Salt (FXS)
Effects Ginger (FXG)
Effects Nutmeg (FXNM)
Effects Poppy Seed (FXPS)
Effects Peppercorn (FXPC)
Effects Almond (FXAL)

Sequels™
Pre-coat, Fast Lead Time

La Jolla Oak (SQLO)
New Haven Walnut (SOWA)
Cape May Cherry (SQCC)
Montauk Driftwood (SQMD)

These colors are part of the Sustain™ portfolio

Sequels finishes for exterior: Available in M1 only on item 7225, and unavailable on item 7226.
Effects finishes are standard in 24" x 48" panels in M1 and M16.
Natural Reflections available for exterior applications as a custom option.
Contact AS Quote for custom size and perforation options.

STANDARD PERFORATION OPTIONS  (1:2 scale shown)

M1 (Unperforated)
M14 (Pg 3205)
M15 (Pg 1612)
M16 (Pg 1607)
M17 (Pg 3223)
M18 (Pg 3210)
M19 (Pg 3209)

CUSTOM COLORS & FINISHES  Due to printing limitations, shade may vary from actual product.

CUSTOM COLORS Available
CUSTOM WOOD-Look Finishes Available

For custom options contact ASQuote, ASQuote@armstrongceilings.com

PERFORATION OPTIONS

TechLine 877 276-7876
armstrongceilings.com/mtalentworkstorsionspring
METALWORKS™ Torsion Spring
Interior and Exterior
smooth texture

VISUAL SELECTION
Contact ASOrder@armstrongceilings.com for custom options.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Dimensions (Inches) W x L x H</th>
<th>Perforation</th>
<th>Acoustical Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>7209</td>
<td>24 x 24 x 1-1/16&quot;</td>
<td>Unperforated</td>
<td>N/A N/A</td>
</tr>
<tr>
<td>7210</td>
<td>24 x 48 x 1-1/2&quot;</td>
<td></td>
<td>0.55 0.85</td>
</tr>
<tr>
<td>7211</td>
<td>24 x 48 x 1-1/2&quot;</td>
<td></td>
<td>0.70 0.90</td>
</tr>
<tr>
<td>7212</td>
<td>24 x 48 x 1-1/2&quot;</td>
<td></td>
<td>0.70 0.90</td>
</tr>
<tr>
<td>7213</td>
<td>30 x 30 x 1-1/2&quot;</td>
<td></td>
<td>0.65 0.85</td>
</tr>
<tr>
<td>7225</td>
<td>24 x 4 x 1-1/2&quot;</td>
<td></td>
<td>0.75 0.90</td>
</tr>
<tr>
<td>7226</td>
<td>24 x 48 x 1-1/2&quot;</td>
<td></td>
<td>0.75 0.90</td>
</tr>
</tbody>
</table>

FAST134 Program Items ready to ship from manufacturer in 4 weeks or less. (Visit armstrongceilings.com/mwaccessories for further information or call 877-276-7876.)

PHYSICAL DATA
Material:
All panels, except 7226: Aluminum - 0.040"
7226: Aluminum - 0.063"
Surface Finish:
Painted: Factory-applied polyester paint
Effects: Powder-coated, dye-sublimation, post-production
Sequels: Pre-coated
Natural Reflections: PVC-free laminates
Custom colors and finishes available.
Custom Sequel finishes are available for orders 10,000 SF or larger.
Fire Performance:
Painted, Effects, Natural Reflections and Sequels finishes: Class A: ASTM E84, Flame Spread Rating 25 or less. Smoke Developed Index 50 or less.
Painted aluminum finishes: CAN/ULC S101: Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.
ASTM E1264 Classification:
Painted, Effects, Natural Reflections and Sequels finishes: Unperforated: ASTM E1264 Type XX Pattern G Fire Class A
Perforated - ASTM E1264 Type XX Pattern C Fire Class A
Acoustical Options:
Perforated panels are supplied with a black fiberglass fleece to absorb sound.
Recycled Content:
Up to 10%
Design Considerations:
Anodized, Lacquer Mill and pre-coat finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only. 30" x 30" panels have a directional finish that is perpendicular to the main beams; all other panel sizes have a directional finish that is parallel to the main beams.
Seamless and metal products are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and White/White, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.
On pre-coated finishes, clarity of image is best on flat surfaces. Pattern repeat may occur. Product is dry-laminated. Due to potential color variation, be certain to order sufficient initial quantities and allow for color variation.
Wind Uplift Performance:
24" x 24" and 24" x 48" panels noted for exterior flat applications tested for wind uplift Classes 30, 60, and 90. Specific installation instructions to meet these classes are available.
Design Support:
Project management assistance is available by calling TechLine customer support at 1 877-276-7876. (Visit armstrongceilings.com/mwaccessories for further information or call 877-276-7876.)
HOW TO INSTALL PANELS

INTERIOR INSTALLATION DETAILS

For exterior details, consult the MetalWorks™ Exterior Torsion Spring installation instructions, BPLA-297922, on our website.

24" x 48" Standard Panel Layout with Main Beams 4" O.C., Standard 4" Prelude® XL® Cross Tees, 4" Slotted Cross Tees

Suspension System Layout for 30" x 30" Panels

Suspension System Layout for 24" x 72" Panels

Suspension System Layout for 24" x 96" Panels
**METALWORKS™ Torsion Spring**
Interior and Exterior
Perimeter Details

INTERIOR WALL PERIMETER DETAILS – For exterior details, consult the MetalWorks™ Torsion Spring Exterior installation instructions, BPLA-297922, on our website.

Installation Detail – Wall Perimeter

DISCONTINUOUS SYSTEM PERIMETER DETAILS

Installation Detail – Extruded Perimeter Trim #7147
Recommended for use with both Sequels™ and Natural Reflections finishes. Available in Effects™ as custom finish.

Installation Detail – Formed Perimeter Trim #7131
Recommended for use with LMA, BAA, and SAA finishes.
## ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Color</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7125_ _</td>
<td>Box Molding</td>
<td>2 x 96 x 1-1/2&quot;</td>
<td>WHA, SIA, MYA, SAA, LMA, SAA, Bl</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Black is recommended for Sequels™ and Natural Reflections panel finishes Available in Effects™ panel as custom finish</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7147_ _</td>
<td>Torsion Spring Perimeter Trim (Extruded)</td>
<td>1 x 120 x 4&quot;</td>
<td>WH, SG, MY, BL*</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Black is recommended for Sequels and Natural Reflections panel finishes Available in Effects™ panel as custom finish</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7131_ _</td>
<td>Torsion Spring Perimeter Trim (Formed)</td>
<td>1 x 96 x 4-1/4&quot;</td>
<td>LMA, BAA, SAA</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Acoustical Infill Panels</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5823</td>
<td>BioAcoustic™ Infill Panel</td>
<td>24 x 24 x 5/8&quot;</td>
<td>Black</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>8200T10 1&quot; Fiberglass Infill Bag</td>
<td>24 x 24 x 1&quot;</td>
<td>Black (Gloss)</td>
<td>12</td>
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<td></td>
<td>Other Accessories</td>
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<tr>
<td>7129</td>
<td>Torsion Spring Hook Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
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<tr>
<td>7130</td>
<td>Torsion Spring Suction Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
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<tr>
<td>7126</td>
<td>Spreader Hold Down</td>
<td>1 x 10-5/8 x 1-1/2&quot;</td>
<td>N/A</td>
<td>50</td>
</tr>
</tbody>
</table>

* When specifying or ordering, include the appropriate color code with the item number (e.g. 7131 L, M, B)
* Coordinates with WHA, SIA, MYA Torsion Spring panel finishes
### SUSPENSION SYSTEMS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301TS</td>
<td>Prelude XL 12’ HD Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7341TS</td>
<td>Prelude XL 4’ Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7390TS</td>
<td>Prelude XL 6’ Cross Tee – slotted for Torsion Spring</td>
<td>72 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7378</td>
<td>Prelude XL 30” Cross Tee</td>
<td>30 x 15/16 x 1-3/8”</td>
</tr>
<tr>
<td>XL8320</td>
<td>Prelude XL 2’ Cross Tee</td>
<td>24 x 15/16 x 1-11/16”</td>
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<tr>
<td>XL7341</td>
<td>Prelude XL 4’ Cross Tee</td>
<td>48 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>7301G90ATS</td>
<td>Prelude XL 12’ HD Exterior Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7341G90ATS</td>
<td>Prelude XL 4’ Exterior Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16”</td>
</tr>
<tr>
<td>XL7321G90A</td>
<td>Prelude XL 2’ Exterior Cross Tee</td>
<td>24 x 15/16 x 1-11/16”</td>
</tr>
</tbody>
</table>

**15/16” Prelude® XL® Suspension System**

Some items slotted for Torsion Spring.

**Exterior Suspension System**

15/16” Prelude XL

Some items slotted for Torsion Spring.
Lighting Solutions

MetalWorks™ Torsion Spring
Center-cut Panels for Recessed Downlighting
smooth texture

Pre-cut durable, metal ceiling panels are designed to seamlessly integrate with trimless downlights. Perfectly centered fixtures, perfectly cut tiles—every time.

KEY SELECTION ATTRIBUTES

- Perfectly centered USAI® Lighting fixtures for flush-fit visual
- Coordinating fixture colors available for all standard downlight finishes
- Time and labor savings solution – downlight fixtures are fully adjustable within the system so there is no cutting, no mess, and no need to remove panels
- Entire system helps contribute to healthier spaces, part of CleanAssure™ portfolio
- Clean, minimal trimless appearance in durable, factory-cut metal panels
- Pre-cut Torsion Spring panels available in FAST134 program
- Pre-engineered and tested for fit-and-finish in all seismic areas
- For offset factory-cut panels, contact ASQuote@armstrongceilings.com
- Custom grid layouts are possible depending on lighting layout.

COLORS

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

Painted

Whitelume (WHA)  Silverlume (SL4)  Gun Metal (GRY)
La Jolla Oak (SL4.0)  New Haven Walnut (SGAW)  Cape May Cherry (SGCC)  Montauk Driftwood (SGMD)

These colors are part of the Sustain™ portfolio

PERFORATION OPTIONS

(1:2 scale shown)

M1 (Unperforated)  M15 (Rd 1612)  M16 (Rd 1607)

These perforations are part of the Sustain portfolio

TechLine 877 276-7876
armstrongceilings.com/metalworkstorsionspring
**VISUAL SELECTION**

<table>
<thead>
<tr>
<th>MetalWorks Panel Item No.</th>
<th>Panel Description</th>
<th>USAI® Fixture Dimension (Nominal)</th>
<th>Coordinating USAI Fixture Family</th>
<th>Coordinating USAI Fixture Part No.</th>
<th>USAI Grid Mounting Bars Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7209_ _ _ C03_ _ _ _</td>
<td>24 x 24 x 1-1/2&quot;</td>
<td>3.5&quot; Square Downlight</td>
<td>BevelED® Mini for MetalWorks</td>
<td>B350P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7209_ _ _ C04_ _ _ _</td>
<td>24 x 24 x 1-1/2&quot;</td>
<td>5&quot; Square Downlight</td>
<td>BevelED® 2.2 for MetalWorks</td>
<td>B450P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7210_ _ _ C03_ _ _ _</td>
<td>24 x 48 x 1-1/2&quot;</td>
<td>3.5&quot; Square Downlight</td>
<td>BevelED Mini for MetalWorks</td>
<td>B350P-UA</td>
<td>UA2 or UA4</td>
</tr>
<tr>
<td>7210_ _ _ C04_ _ _ _</td>
<td>24 x 48 x 1-1/2&quot;</td>
<td>5&quot; Square Downlight</td>
<td>BevelED 2.2 for MetalWorks</td>
<td>B450P-UA</td>
<td>UA2 or UA4</td>
</tr>
<tr>
<td>7211_ _ _ C03_ _ _ _</td>
<td>24 x 72 x 1-1/2&quot;</td>
<td>3.5&quot; Square Downlight</td>
<td>BevelED Mini for MetalWorks</td>
<td>B350P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7211_ _ _ C04_ _ _ _</td>
<td>24 x 72 x 1-1/2&quot;</td>
<td>5&quot; Square Downlight</td>
<td>BevelED 2.2 for MetalWorks</td>
<td>B450P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7212_ _ _ C03_ _ _ _</td>
<td>24 x 96 x 1-1/2&quot;</td>
<td>3.5&quot; Square Downlight</td>
<td>BevelED Mini for MetalWorks</td>
<td>B350P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7212_ _ _ C04_ _ _ _</td>
<td>24 x 96 x 1-1/2&quot;</td>
<td>5&quot; Square Downlight</td>
<td>BevelED 2.2 for MetalWorks</td>
<td>B450P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7213_ _ _ C03_ _ _ _*</td>
<td>30 x 30 x 1-1/2&quot;</td>
<td>3.5&quot; Square Downlight</td>
<td>BevelED Mini for MetalWorks</td>
<td>B350P-UA</td>
<td>UA2</td>
</tr>
<tr>
<td>7213_ _ _ C04_ _ _ _*</td>
<td>30 x 30 x 1-1/2&quot;</td>
<td>5&quot; Square Downlight</td>
<td>BevelED 2.2 for MetalWorks</td>
<td>B450P-UA</td>
<td>UA2</td>
</tr>
</tbody>
</table>

**NOTE:** Refer to lighting partner cut sheets for light location considerations.

* Sequel™ finishes are a custom option on this size.

**INSTALLATION DETAILS**

MetalWorks Torsion Spring 24" x 24" Panel

**LIGHTING FIXTURES**

Compatible with USAI Lighting BevelLED 2.2 and BevelLED Mini MetalWorks fixture families.

**USAII® Lighting**

For detailed lighting information, contact your local USAI representative or visit usallighting.com/metalworks for more information.
MetalWorks™ Torsion Spring and center-cut downlight panels in Sequels – Cape May Cherry
MetalWorks™ Mesh Torsion Spring panels offer an industrial look with minimized grid visibility and 100% swing-down accessibility.

KEY SELECTION ATTRIBUTES

- Popular Torsion Spring installation method now standard in 24” x 24” and 24” x 48” woven mesh
- Slotted grid Torsion Spring installation minimizes grid visibility by hiding the grid above the panel face
- Woven patterns offer over 75% open area, enabling sprinklers to be installed above the panel face, minimizing disruption of the ceiling plan with MEP
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Black acoustical infill panels provide high sound absorption and help conceal elements in the plenum
- For custom options contact ASQuote@armstrongceilings.com

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

Powder Coated

- White (WH)
- Silver Grey (SG)
- Nickel Chrome (NC)
- Gun Metal Grey (GMG)
- Tech Black (BL)
- Bronze (BR)
- Copper (CP)
- Custom Colors Available

COORDINATING SUSPENSION SYSTEM COLORS

- Black (BL)
- 360° Painted

Mesh patterns leave suspension system visible.
Black 360° grid is recommended for blending with grid and plenum.
METALWORKS™ Mesh Torsion Spring

VISUAL SELECTION

 PERFORMANCE Dots represent high level of performance.

 METALWORKS™ Mesh Torsion Spring
 Interior Panels
 Square 15/16”

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions W x L x H (Inches)</th>
<th>% Open Area</th>
<th>Fire Rating</th>
<th>Smoke Developed Index</th>
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<tbody>
<tr>
<td>5433W24L24D01_ _</td>
<td>1Cell</td>
<td>24 x 24 x 1/4”</td>
<td>76%</td>
<td>Class A</td>
<td>25</td>
</tr>
<tr>
<td>5433W24L48D01_ _</td>
<td>1Cell</td>
<td>24 x 48 x 1/4”</td>
<td>76%</td>
<td>Class A</td>
<td>25</td>
</tr>
<tr>
<td>5433W24L24D02_ _</td>
<td>2Cell</td>
<td>24 x 24 x 1/4”</td>
<td>82%</td>
<td>Class A</td>
<td>25</td>
</tr>
<tr>
<td>5433W24L48D02_ _</td>
<td>2Cell</td>
<td>24 x 48 x 1/4”</td>
<td>82%</td>
<td>Class A</td>
<td>25</td>
</tr>
</tbody>
</table>

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 5433W24L24D01 S G).

WOVEN WIRE (1:6 scale shown)

Square Weave

1Cell (001)
Item 5433
Spacing: 0.86” x 0.86”
Wire Diameter: 0.11”
% Open Area: 76%

2Cell (002)
Item 5433
Spacing: 1.39” x 1.39”
Wire Diameter: 0.135”
% Open Area: 82%

Wire Key

ACOUSTICAL INFORMATION

Patterns with similar open area will achieve similar acoustic results.

SUSPENSION SYSTEM & ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Color</th>
<th>Dimensions (Inches)</th>
<th>Nominal W x L x H</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301TSBL3</td>
<td>Prelude® XL 12” HD Main Beam - Slotted</td>
<td>BL3</td>
<td>15/16” x 144 x 1-11/16”</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>7125BL3</td>
<td>Box Molding</td>
<td>BL3</td>
<td>2” x 96 x 1-1/2”</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>7113BL3</td>
<td>Hold-Down Clip</td>
<td>BL3</td>
<td>1” x 10-5/8 x 1”</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>XL8320BL3</td>
<td>Prelude®XL 2” Cross Tee</td>
<td>BL3</td>
<td>15/16” x 24 x 1-11/16”</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Axiom® Classic Trim is recommended for cloud configurations.

PHYSICAL DATA

Material
Cold-rolled steel.

Surface Finish
All panels are available in a range of standard and custom, factory-applied, powder-coated finishes.

Fire Performance
Class A: ASTM E84 and CAN/ULC S102; Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Design Considerations
Panels are non-combustible, with or without infill panels. Patterns with similar open area will achieve similar acoustic results.

Installation Considerations
Infill panels are non-combustible, with or without infill panels. Patterns with similar open area will achieve similar acoustic results.

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.

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

Design Considerations
Panels align best when installed next to panels of the same size. Reveal between panels can vary.

Installation Considerations
For custom design assistance contact ASQuote@armstrongceilings.com.

Use caution and wear appropriate hand and eye protection when installing or cutting these metal panels. Refer to Installation Instructions BPLA-293095 at armstrongceilings.com/metalworks for details and cutting recommendations.

Cleaning and Disinfecting
Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning

Warranty
Details at armstrongceilings.com/warranty

Weight/Panel (Bulk Packed)
5433W24L24D01 - 5.6 lbs/pc
5433W24L48D01 - 12 lbs/pc
5433W24L24D02 - 5.6 lbs/pc
5433W24L48D02 - 9.8 lbs/pc

Minimum Order Quantity
500 SF
A panelized torsion spring metal ceiling system in a variety of blade configurations, achieving an accessible, open reveal linear look installed up to twice as fast as individual blade systems.

**KEY SELECTION ATTRIBUTES**

- 20 standard 24" x 96" panels with multiple blades in varying heights, widths, and spacing configurations
- 1" and 2" wide blades with 4", 6", and 8" heights
- 24" x 96" torsion spring panels install up to twice as fast as individual blade systems
- Durable, downward accessible system - quickly open a large area with full panel removal
- Mix and match standard panels with alternating blade heights or widths for a custom look
- Smart design – reveals between blades are equidistant panel-to-panel; Panels have a consistent 1/8" reveal end-to-end
- MetalWorks™ Immix™ panels are part of the Sustain™ portfolio, and meet the most stringent industry sustainability compliance standards today
- CleanAssure™ family of products – includes disinfectable planks, suspension systems, and trim
- 11 panels with 70% or more open area to minimize sprinkler install and material cost, achieving a less cluttered finished ceiling with an open aesthetic
- Select products included in the FAST134 program – ready to ship in 4 weeks or less
- Panels can be field cut; perimeter cut kit and additional end caps are available for a clean, professional finish
- Black acoustical infill panels hide the plenum and achieve up to 0.95 NRC
- Get total noise control and design flexibility with Total Acoustics™ ceiling panels: NRC + CAC = Total Acoustics
- Aluminum blades with exceptional durability – washable, scrubbable, soil-resistant

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

- Painted
  - WhiteSmoke (WH4)
  - SilverSmoke (SI4)
  - GunMetal (MP4)
  - Custom Colors Available

- Custom Wood-Look Finishes Available

For custom options contact ASQuote, ASQuote@armstrongceilings.com

**PERFORATION OPTIONS** (1:2 scale shown)

- M1 (Unperforated)
- M15 (Rl 1612)

**PERFORATION OPTIONS** (1:2 scale shown)

- M15 (Rl 1612)

**PERFORATION OPTIONS** (1:2 scale shown)

- M15 (Rl 1612)

**PERFORATION OPTIONS** (1:2 scale shown)

- M15 (Rl 1612)
### METALWORKS™ Immix™ Blades
Panelized Torsion Spring
smooth texture

#### VISUAL SELECTION

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Space Between Blades</th>
<th>% Open Area</th>
<th>lbs/ SF</th>
<th>Dimensions Nominal W x L x H (Inches)</th>
<th>Custom Sizes Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>6342D41</td>
<td>1&quot; wide x 4&quot; height blade, 2 blades per panel</td>
<td>11&quot;</td>
<td>92%†</td>
<td>0.36 lbs</td>
<td>24 x 96 x 4&quot;</td>
<td></td>
</tr>
<tr>
<td>6343D41</td>
<td>1&quot; wide x 4&quot; height blade, 3 blades per panel</td>
<td>7&quot;</td>
<td>88%†</td>
<td>0.54 lbs</td>
<td>24 x 96 x 4&quot;</td>
<td></td>
</tr>
<tr>
<td>6344D41</td>
<td>1&quot; wide x 4&quot; height blade, 4 blades per panel</td>
<td>5&quot;</td>
<td>83%†</td>
<td>0.73 lbs</td>
<td>24 x 96 x 4&quot;</td>
<td></td>
</tr>
<tr>
<td>6346D41</td>
<td>1&quot; wide x 4&quot; height blade, 6 blades per panel</td>
<td>3&quot;</td>
<td>75%</td>
<td>1.08 lbs</td>
<td>24 x 96 x 4&quot;</td>
<td></td>
</tr>
<tr>
<td>6342D61</td>
<td>1&quot; wide x 6&quot; height blade, 2 blades per panel</td>
<td>11&quot;</td>
<td>92%†</td>
<td>0.51 lbs</td>
<td>24 x 96 x 6&quot;</td>
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</tr>
<tr>
<td>6343D61</td>
<td>1&quot; wide x 6&quot; height blade, 3 blades per panel</td>
<td>7&quot;</td>
<td>88%†</td>
<td>0.77 lbs</td>
<td>24 x 96 x 6&quot;</td>
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<tr>
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<td>1&quot; wide x 6&quot; height blade, 4 blades per panel</td>
<td>5&quot;</td>
<td>83%</td>
<td>1.03 lbs</td>
<td>24 x 96 x 6&quot;</td>
<td></td>
</tr>
<tr>
<td>6346D61</td>
<td>1&quot; wide x 6&quot; height blade, 6 blades per panel</td>
<td>3&quot;</td>
<td>75%</td>
<td>1.54 lbs</td>
<td>24 x 96 x 6&quot;</td>
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</tr>
<tr>
<td>6342D81</td>
<td>1&quot; wide x 8&quot; height blade, 2 blades per panel</td>
<td>11&quot;</td>
<td>92%†</td>
<td>0.66 lbs</td>
<td>24 x 96 x 8&quot;</td>
<td></td>
</tr>
<tr>
<td>6343D81</td>
<td>1&quot; wide x 8&quot; height blade, 3 blades per panel</td>
<td>7&quot;</td>
<td>88%</td>
<td>1.08 lbs</td>
<td>24 x 96 x 8&quot;</td>
<td></td>
</tr>
<tr>
<td>6344D81</td>
<td>1&quot; wide x 8&quot; height blade, 4 blades per panel</td>
<td>5&quot;</td>
<td>83%</td>
<td>1.33 lbs</td>
<td>24 x 96 x 8&quot;</td>
<td></td>
</tr>
<tr>
<td>Other Size Panels</td>
<td>W: 1&quot;, H: 1&quot; – 8&quot; 2 – 8 blades per panel</td>
<td>Varies</td>
<td>Varies</td>
<td>Varies W: 24” L: 24” – 96”</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### PERFORMANCE

<table>
<thead>
<tr>
<th>CleanAssure™ Disinfectable Planks</th>
<th>Fog</th>
<th>Spray</th>
<th>Wipe</th>
<th>Total Acoustics™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item No.</td>
<td>†</td>
<td></td>
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<tr>
<td>6373PBBK</td>
<td>0.95</td>
<td>35 BEST</td>
<td>30</td>
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<tr>
<td>2821BK</td>
<td>0.85</td>
<td>35 BEST</td>
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</tr>
<tr>
<td>1319</td>
<td>0.75</td>
<td>30</td>
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</tbody>
</table>

#### ACoustical INFORMATION

<table>
<thead>
<tr>
<th>NRC with acoustical fleece</th>
<th>See Visual Selection chart</th>
</tr>
</thead>
</table>

* † Icon indicates panel with unobstructed construction where the openings are at least 70% of the cross-section area and the depth of the member does not exceed the least dimension of the openings.

* Panel widths other than 24" will require custom panel and suspension layout. For specific options, contact your Armstrong representative to get started with our ProjectWorks® Design Services team.

**FAST134**
Program items ready to ship from manufacturer in 4 weeks or less.
Up-to-date lead times and product options (sizes and colors) at armstrongceilings.com/fast134
**MetalWorks™ Immix™ Blades**

Panelized Torsion Spring

Smooth texture

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Space Between Blades</th>
<th>% Open Area</th>
<th>lbs/ SF</th>
<th>Dimensions Nominal W x L x H (inches)</th>
<th>Custom Sizes Available</th>
<th>Sound Absorption</th>
<th>Fire Performance</th>
<th>CleanAssure™ Disinfectable Planks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>METALWORKS™ Immix™ Blades Panels</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6342D42_ _ _ _ _ _</td>
<td>2&quot; wide x 4&quot; height blade, 2 blades per panel</td>
<td>10&quot;</td>
<td>83%</td>
<td>0.5</td>
<td>24 x 96 x 4&quot;</td>
<td>✓</td>
<td>0.40</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6343D42_ _ _ _ _ _</td>
<td>2&quot; wide x 4&quot; height blade, 3 blades per panel</td>
<td>6&quot;</td>
<td>75%</td>
<td>0.7</td>
<td>24 x 96 x 4&quot;</td>
<td>✓</td>
<td>0.45</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6344D42_ _ _ _ _ _</td>
<td>2&quot; wide x 4&quot; height blade, 4 blades per panel</td>
<td>4&quot;</td>
<td>67%</td>
<td>0.9</td>
<td>24 x 96 x 4&quot;</td>
<td>✓</td>
<td>0.50</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6342D62_ _ _ _ _ _</td>
<td>2&quot; wide x 6&quot; height blade, 2 blades per panel</td>
<td>10&quot;</td>
<td>83%</td>
<td>0.65</td>
<td>24 x 96 x 6&quot;</td>
<td>✓</td>
<td>0.45</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6343D62_ _ _ _ _ _</td>
<td>2&quot; wide x 6&quot; height blade, 3 blades per panel</td>
<td>6&quot;</td>
<td>75%</td>
<td>0.93</td>
<td>24 x 96 x 6&quot;</td>
<td>✓</td>
<td>0.50</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6344D62_ _ _ _ _ _</td>
<td>2&quot; wide x 6&quot; height blade, 4 blades per panel</td>
<td>4&quot;</td>
<td>67%</td>
<td>1.2</td>
<td>24 x 96 x 6&quot;</td>
<td>✓</td>
<td>0.55</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6342D82_ _ _ _ _ _</td>
<td>2&quot; wide x 8&quot; height blade, 2 blades per panel</td>
<td>10&quot;</td>
<td>83%</td>
<td>0.8</td>
<td>24 x 96 x 8&quot;</td>
<td>✓</td>
<td>0.50</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6343D82_ _ _ _ _ _</td>
<td>2&quot; wide x 8&quot; height blade, 3 blades per panel</td>
<td>6&quot;</td>
<td>75%</td>
<td>1.15</td>
<td>24 x 96 x 8&quot;</td>
<td>✓</td>
<td>0.55</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td>6344D82_ _ _ _ _ _</td>
<td>2&quot; wide x 8&quot; height blade, 4 blades per panel</td>
<td>4&quot;</td>
<td>67%</td>
<td>1.5</td>
<td>24 x 96 x 8&quot;</td>
<td>✓</td>
<td>0.55</td>
<td>Class A</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Other Size Panels</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W: 2&quot;, H: 1&quot; – 10&quot;</td>
<td>2&quot; – 10&quot;</td>
<td>Varies</td>
<td>Varies</td>
<td>W: 24&quot;</td>
<td>L: 24&quot; – 96&quot;</td>
<td>Varies</td>
<td>Class A</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Visual Selection**

**Performance**

Dots represent high level of performance.

**Acoustical Information**

Dots represent high level of performance.

**Fast134** program items ready to ship from manufacturer in 4 weeks or less.

Up-to-date lead times and product options (sizes and colors) at armstrongceilings.com/fast134

- When specifying or ordering, include the appropriate 6-digit perforation suffix and color suffix (e.g., 6342D61 M 1 5 W H A).
- Icon indicates panel with unobstructed construction where the openings are at least 70% of the cross-section area and the depth of the member does not exceed the least dimension of the openings.
- Panel widths other than 24" will require custom panel and suspension layout. For specific options, contact your Armstrong representative to get started with our ProjectWorks™ Design Services team.
**METALWORKS™ Immix™ Blades**
Panelized Torsion Spring
smooth texture

**STANDARD PANEL CONFIGURATIONS**

<table>
<thead>
<tr>
<th>24” x 96” PANELS (1” Blade Width)</th>
<th>24” x 96” PANELS (2” Blade Width)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4” Height Blades</strong></td>
<td><strong>4” Height Blades</strong></td>
</tr>
<tr>
<td><img src="image1" alt="Diagram for 4” Height Blades" /></td>
<td><img src="image2" alt="Diagram for 4” Height Blades" /></td>
</tr>
<tr>
<td>2 BLADES</td>
<td>2 BLADES</td>
</tr>
<tr>
<td>92% Open Area Item 6342D41</td>
<td>92% Open Area Item 6342D42</td>
</tr>
<tr>
<td><img src="image3" alt="Diagram for 2 BLADES" /></td>
<td><img src="image4" alt="Diagram for 2 BLADES" /></td>
</tr>
<tr>
<td>3 BLADES</td>
<td>3 BLADES</td>
</tr>
<tr>
<td>88% Open Area Item 6343D41</td>
<td>83% Open Area Item 6344D41</td>
</tr>
<tr>
<td><img src="image5" alt="Diagram for 3 BLADES" /></td>
<td><img src="image6" alt="Diagram for 3 BLADES" /></td>
</tr>
<tr>
<td>4 BLADES</td>
<td>4 BLADES</td>
</tr>
<tr>
<td>83% Open Area Item 6344D61</td>
<td>83% Open Area Item 6344D62</td>
</tr>
<tr>
<td><img src="image7" alt="Diagram for 4 BLADES" /></td>
<td><img src="image8" alt="Diagram for 4 BLADES" /></td>
</tr>
<tr>
<td>6 BLADES</td>
<td>6 BLADES</td>
</tr>
<tr>
<td>75% Open Area Item 6346D61</td>
<td>75% Open Area Item 6346D62</td>
</tr>
<tr>
<td><img src="image9" alt="Diagram for 6 BLADES" /></td>
<td><img src="image10" alt="Diagram for 6 BLADES" /></td>
</tr>
</tbody>
</table>

| **6” Height Blades**              | **6” Height Blades**              |
| ![Diagram for 6” Height Blades](image11) | ![Diagram for 6” Height Blades](image12) |
| 2 BLADES                          | 2 BLADES                          |
| 83% Open Area Item 6342D61        | 83% Open Area Item 6342D62        |
| ![Diagram for 2 BLADES](image13)  | ![Diagram for 2 BLADES](image14)  |
| 3 BLADES                          | 3 BLADES                          |
| 75% Open Area Item 6343D61        | 75% Open Area Item 6343D62        |
| ![Diagram for 3 BLADES](image15)  | ![Diagram for 3 BLADES](image16)  |
| 4 BLADES                          | 4 BLADES                          |
| 67% Open Area Item 6344D61        | 67% Open Area Item 6344D62        |
| ![Diagram for 4 BLADES](image17)  | ![Diagram for 4 BLADES](image18)  |

| **8” Height Blades**              | **8” Height Blades**              |
| ![Diagram for 8” Height Blades](image19) | ![Diagram for 8” Height Blades](image20) |
| 2 BLADES                          | 2 BLADES                          |
| 92% Open Area Item 6342D81        | 92% Open Area Item 6342D82        |
| ![Diagram for 2 BLADES](image21)  | ![Diagram for 2 BLADES](image22)  |
| 3 BLADES                          | 3 BLADES                          |
| 88% Open Area Item 6343D81        | 88% Open Area Item 6343D82        |
| ![Diagram for 3 BLADES](image23)  | ![Diagram for 3 BLADES](image24)  |
| 4 BLADES                          | 4 BLADES                          |
| 83% Open Area Item 6344D81        | 83% Open Area Item 6344D82        |
| ![Diagram for 4 BLADES](image25)  | ![Diagram for 4 BLADES](image26)  |
| 6 BLADES                          | 6 BLADES                          |
| 75% Open Area Item 6346D81        | 75% Open Area Item 6346D82        |
| ![Diagram for 6 BLADES](image27)  | ![Diagram for 6 BLADES](image28)  |

◆ When specifying or ordering, include the appropriate 6-digit perforation suffix and color suffix (e.g., 6342D61 M 1 5 W H A ).

**Indicates panel with unobstructed construction where the openings are at least 70% of the cross-section area and the height of the member does not exceed the least dimension of the openings.**

TechLine 877 276-7876
armstrongceilings.com/torsionspring
METALWORKS™ Immix™ Blades
Panelized Torsion Spring
smooth texture

HOW TO INSTALL PANELS

Step 1
Step 2
Step 3

PERIMETER CUT KIT INSTALLATION

Step 1
Step 2
Step 3
Step 4

AXIOM® FLOATING PERIMETER DETAIL
# SUSPENSION SYSTEM & ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>Color</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301TS</td>
<td>Prelude® XL® 12’ HD Main Beam – Slotted</td>
<td>15/16 x 144 x 1-11/16”</td>
<td>White</td>
<td>20</td>
</tr>
<tr>
<td>XL7341</td>
<td>Prelude XL 4’ Cross Tee</td>
<td>15/16 x 48 x 1-11/16”</td>
<td>White</td>
<td>60</td>
</tr>
<tr>
<td>7301TSBL3</td>
<td>Black 360 Prelude XL 12’ HD Main Beam – Slotted</td>
<td>15/16 x 144 x 1-11/16”</td>
<td>Black</td>
<td>20</td>
</tr>
<tr>
<td>XL734036BL</td>
<td>Black 360 Prelude XL 4’ Cross Tee</td>
<td>15/16 x 48 x 1-11/16”</td>
<td>Black</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Color</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7800</td>
<td>12’ Angle Molding</td>
<td>N/A</td>
<td>White</td>
</tr>
<tr>
<td>HD7801</td>
<td>10’ Angle Molding</td>
<td>N/A</td>
<td>Silver Grey, Gun Metal</td>
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<tr>
<td>BERC2</td>
<td>2” Beam End Retaining Clip</td>
<td>N/A</td>
<td>N/A</td>
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<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Color</th>
<th>Pieces/Carton</th>
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<tbody>
<tr>
<td>5604</td>
<td>Perimeter Cut Kit</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

- Add the 2-digit color suffix to the item number when specifying or ordering (e.g., AX6STR Z 5, add an extra digit “3” before the color suffix if paint is required inside and outside of trim (e.g., AX6STR 3 5 Z 5).

## ACCESSORIES

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>5458D41M1</td>
<td>1” wide x 4” height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5458D61M1</td>
<td>1” wide x 6” height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5458D81M1</td>
<td>1” wide x 8” height end cap</td>
<td>10</td>
</tr>
</tbody>
</table>

- When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5458D81M1 M Y A).

## PHYSICAL DATA

### Material
- Aluminum – Thickness 0.032”
- Surface Finish
- Painted: Factory-applied polyester paint. Custom colors also available. Contact ASQuote@armstrongceilings.com for custom finish requests.

### Fire Performance
- Class A: Tested per ASTM E84. Flame Spread Index 25 or less.
- Smoke Developed Index 50 or less. CAN/ULC S102 surface classification. Flame Spread Rating 25 or less.
- Smoke Developed Classification 50 or less.
- Burning characteristics. Flame Spread Rating 25 or less.
- Smoke Developed Index 50 or less.

### Acoustical Options
- Perforated panels are supplied with a black fiberglass fleece to absorb sound.
- Acoustical design considerations: For optimum visual design, backlighting panels is not recommended. For lighting integration see installation instructions.
- Seismic Restraint
- All panels are installed from below and never travel into the plenum. The inner metal of MetalWorks Immix Blades panels will require a minimum 5” clearance above the suspension system. This allows enough room for the springs to travel into the plenum space during installation or removal.

### Design Considerations
- When installed, panels hang either 5-3/16”, 7-3/16” or 9-3/16” below the face of the grid, depending on the height of the blade.
- MetalWorks Immix Blades panels can be cut in the field, see Armstrong Ceilings installation instructions.
- MetalWorks Immix Blades panels will require a minimum 5” clearance above the suspension system. This allows enough room for the springs to travel into the plenum space during installation or removal.

### Instruction Considerations
- Although panels are installed from below and never travel into the plenum, MetalWorks Immix Blades panels will require a minimum 5” clearance above the suspension system. This allows enough room for the springs to travel into the plenum space during installation or removal.

### Cleaning and Disinfecting
- Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning

### Warranty
- Details at armstrongceilings.com/warranty

### Weight
- Refer to Visual Selection chart

---

TechLine 877 276-7876
armstrongceilings.com/torsionspring

---

MATERIALS” Immix™ Blades
Panelized Torsion Spring
smooth texture

LEED® WELL LBC
Calculate sustainability with GreenGenie™
armstrongceilings.com/greengenie

16% RECYCLED CONTENT
metalworks.armstrongceilings.com

WARRANTY
Details at armstrongceilings.com/warranty

WEBSITE
www.armstrongceilings.com
**KEY SELECTION ATTRIBUTES**

- 21 standard 24" x 96" panels with multiple linear planks in varying heights and widths with planks per panel configurations
- Nominal 4", 6", 8", 10", and 12" wide planks with 1", 2", 4", 6" or 8" heights
- 24" x 96" torsion spring panels install up to twice as fast as individual linear plank systems
- Durable, downward accessible system – quickly open a large area with full panel removal
- Mix and match standard panels with alternating plank heights or widths for a custom look
- Smart design – reveals between planks are equidistant panel-to-panel; Panels have a consistent 1/8" reveal end-to-end
- MetalWorks™ Immix™ panels are part of the Sustain™ portfolio, and meet the most stringent industry sustainability compliance standards today
- CleanAssure™ family of products – includes disinfectable planks, suspension systems, and trim

**COLORS**

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

- Painted
  - Whitelume (WHA)
  - Silverlume (SIA)
  - Gun Metal (MIA)
  - Custom Colors Available

- These colors are part of the Sustain portfolio

**PERFORATION OPTIONS**

(1:2 scale shown)

- M1 (Unperforated)
- M15 (Rd 1612)

**METALWORKS™ Immix™ Linear Panelized Torsion Spring**

A panelized torsion spring metal ceiling system in a variety of linear configurations, achieving an accessible, smooth monolithic or open reveal linear look installed up to twice as fast as individual plank systems.

For custom options contact ASQuote, ASQuote@armstrongceilings.com

For more information, visit:
- armstrongceilings.com/capabilities
- armstrongceilings.com/photogallery
- armstrongceilings.com/torsionspring
- armstrongceilings.com/photogallery
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Space Between Planks (Nominal)</th>
<th>% Open Area</th>
<th>lbs/ Sp SF</th>
<th>Dimensions (W x L x D) Inches</th>
<th>Performance</th>
<th>Acoustical Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>6374A41</td>
<td>4” wide x 1” height plank, 4 planks per panel</td>
<td>2-1/8”</td>
<td>33%</td>
<td>0.58</td>
<td>24 x 96 x 4”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
<tr>
<td>6376A41</td>
<td>4” wide x 1” height plank, 6 planks per panel</td>
<td>1-8/”</td>
<td>0%</td>
<td>0.82</td>
<td>24 x 96 x 1”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
<tr>
<td>6373A42</td>
<td>4” wide x 2” height plank, 3 planks per panel</td>
<td>8-1/8”</td>
<td>50%</td>
<td>0.97</td>
<td>24 x 96 x 2”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
<tr>
<td>6372A44</td>
<td>4” wide x 4” height plank, 2 planks per panel</td>
<td>4-1/8”</td>
<td>67%</td>
<td>0.61</td>
<td>24 x 96 x 4”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
<tr>
<td>6373A44</td>
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<td>0.80</td>
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<td>Details from Armstrong ceilings website</td>
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<td>33%</td>
<td>1.03</td>
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<td>+</td>
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<td>25%</td>
<td>0.58</td>
<td>24 x 96 x 1”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
<tr>
<td>6374A61</td>
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<td>1-8/”</td>
<td>0%</td>
<td>0.73</td>
<td>24 x 96 x 1”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
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<td>6373A62</td>
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<td>2-1/8”</td>
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<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
<tr>
<td>6372A64</td>
<td>6” wide x 4” height plank, 2 planks per panel</td>
<td>6-1/8”</td>
<td>50%</td>
<td>0.64</td>
<td>24 x 96 x 4”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
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<tr>
<td>Other Size Panels</td>
<td>Variants: W: 4” – 12” H: 1” – 8”</td>
<td>1/8” – 8-1/8”</td>
<td>Varies</td>
<td>Varies</td>
<td>Varies: W: 24” L: 24” – 96”</td>
<td>+</td>
<td>Details from Armstrong ceilings website</td>
</tr>
</tbody>
</table>

**FAST134** program items ready to ship from manufacturer in 4 weeks or less.

For specific options, contact your Armstrong representative to get started with our ProjectWorks® Design Services team.
### VISUAL SELECTION

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Space Between Planks (Nominal)</th>
<th>% Open Area</th>
<th>lbs/ SF</th>
<th>Dimensions N D (Inches)</th>
<th>Custom Sizes Available</th>
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</thead>
<tbody>
<tr>
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<td>6&quot; wide x 4&quot; height plank, 3 planks per panel</td>
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<td>25%</td>
<td>0.91 lbs</td>
<td>24 x 96 x 4&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372A66_1</td>
<td>6&quot; wide x 6&quot; height plank, 2 planks per panel</td>
<td>6-1/8&quot;</td>
<td>50%</td>
<td>0.79 lbs</td>
<td>24 x 96 x 6&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372A81_1</td>
<td>8&quot; wide x 1&quot; height plank, 2 planks per panel</td>
<td>4-1/8&quot;</td>
<td>33%</td>
<td>0.49 lbs</td>
<td>24 x 96 x 1&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6373A81_1</td>
<td>8&quot; wide x 1&quot; height plank, 3 planks per panel</td>
<td>1/8&quot;</td>
<td>0%</td>
<td>0.69 lbs</td>
<td>24 x 96 x 1&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372A82_1</td>
<td>8&quot; wide x 2&quot; height plank, 2 planks per panel</td>
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<td>33%</td>
<td>0.56 lbs</td>
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<tr>
<td>6372A84_1</td>
<td>8&quot; wide x 4&quot; height plank, 2 planks per panel</td>
<td>4-1/8&quot;</td>
<td>33%</td>
<td>0.72 lbs</td>
<td>24 x 96 x 4&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372A86_1</td>
<td>8&quot; wide x 6&quot; height plank, 2 planks per panel</td>
<td>4-1/8&quot;</td>
<td>33%</td>
<td>0.87 lbs</td>
<td>24 x 96 x 6&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372A88_1</td>
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<td>4-1/8&quot;</td>
<td>33%</td>
<td>1.02 lbs</td>
<td>24 x 96 x 8&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372AA1_1</td>
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<td>17%</td>
<td>0.56 lbs</td>
<td>24 x 96 x 1&quot;</td>
<td>Class A</td>
</tr>
<tr>
<td>6372AC1_1</td>
<td>12&quot; wide x 1&quot; height plank, 2 planks per panel</td>
<td>1/8&quot;</td>
<td>0%</td>
<td>0.64 lbs</td>
<td>24 x 96 x 1&quot;</td>
<td>Class A</td>
</tr>
</tbody>
</table>

#### Other Size Panels
- W: 4" – 12"  
- H: 1" – 8"  
- Varies  
- Varies W: 24"  
- L: 24" – 96"  
- Varies  
- Class A  
- Class A

### PERFORMANCE

#### Dots represent high level of performance.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Space Between Planks (Nominal)</th>
<th>% Open Area</th>
<th>lbs/ SF</th>
<th>Dimensions N D (Inches)</th>
<th>CleanAssure® Disinfecatable Planks</th>
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<td>12&quot; wide x 1&quot; height plank, 2 planks per panel</td>
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### ACOUSTICAL INFORMATION

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<td>24 x 96 x 1&quot;</td>
<td>Class A</td>
</tr>
</tbody>
</table>

#### Infill options for fleece-only panels with less than 30% open area can be installed for additional sound absorption.

**Total Acoustics™ ceiling panels have an ideal combination of sound absorption and sound blocking 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+)

See Visual Selection chart.
METALWORKS™ Immix™ Linear
Panelized Torsion Spring
smooth texture

STANDARD PANEL CONFIGURATIONS

| 24" x 96" PANELS |
|------------------|-----------------|-----------------|-----------------|
| 4" Nominal Wide Planks | 6" Nominal Wide Planks | 8" Nominal Wide Planks | 10" Nominal Wide Planks | 12" Nominal Wide Planks |
| 1" HEIGHT PLANK | 1" HEIGHT PLANK | 1" HEIGHT PLANK | 1" HEIGHT PLANK | 1" HEIGHT PLANK |
| 33% Open Area | 25% Open Area | 33% Open Area | 17% Open Area | 0% Open Area |
| 4 Planks per Panel | 3 Planks per Panel | 2 Planks per Panel | 2 Planks per Panel | 6 Planks per Panel |
| Item 6374A41_ _ _ _ _ _ | Item 6373A61_ _ _ _ _ _ | Item 6372A81_ _ _ _ _ _ | Item 6372A41_ _ _ _ _ _ |
| 50% Open Area | 25% Open Area | 33% Open Area | 17% Open Area | 0% Open Area |
| 3 Planks per Panel | 3 Planks per Panel | 2 Planks per Panel | 2 Planks per Panel | 6 Planks per Panel |
| Item 6373A42_ _ _ _ _ _ | Item 6373A62_ _ _ _ _ _ | Item 6372A82_ _ _ _ _ _ | Item 6372A42_ _ _ _ _ _ |
| 67% Open Area | 50% Open Area | 33% Open Area | 17% Open Area | 0% Open Area |
| 2 Planks per Panel | 3 Planks per Panel | 2 Planks per Panel | 2 Planks per Panel | 6 Planks per Panel |
| Item 6372A44_ _ _ _ _ _ | Item 6373A64_ _ _ _ _ _ | Item 6372A44_ _ _ _ _ _ | Item 6372A44_ _ _ _ _ _ |
| 50% Open Area | 25% Open Area | 33% Open Area | 17% Open Area | 0% Open Area |
| 3 Planks per Panel | 3 Planks per Panel | 2 Planks per Panel | 2 Planks per Panel | 6 Planks per Panel |
| Item 6373A44_ _ _ _ _ _ | Item 6373A64_ _ _ _ _ _ | Item 6372A84_ _ _ _ _ _ | Item 6372A44_ _ _ _ _ _ |
| 33% Open Area | 25% Open Area | 33% Open Area | 17% Open Area | 0% Open Area |
| 4 Planks per Panel | 3 Planks per Panel | 2 Planks per Panel | 2 Planks per Panel | 6 Planks per Panel |
| Item 6374A44_ _ _ _ _ _ | Item 6373A64_ _ _ _ _ _ | Item 6372A86_ _ _ _ _ _ | Item 6372A44_ _ _ _ _ _ |

When specifying or ordering, include the appropriate 6-digit perforation suffix and color suffix (e.g., Item 642D61 M 1 5 W H A).
* These 1/8" reveal configurations should only be installed with like panels and not with planks of other sizes.
METALWORKS™ Immix™ Linear
Panelized Torsion Spring
smooth texture

HOW TO INSTALL PANELS

Step 1

Step 2

Step 3

PERIMETER CUT KIT INSTALLATION

Step 1

Step 2

Step 3

Step 4

AXIOM® FLOATING PERIMETER DETAIL

AX36STR (6” Axiom Classic)
7239 (Adjustable Trim Clip) Screws for Attachment by Others
7301TSBL3

MetalWorks™ Immix™ Linear Plank Panel
**Suspending System & Accessories**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Dimensions (inches)</th>
<th>Color</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7301TS</td>
<td>Prelude® XL® 12' HD Main Beam – Slotted 15/16 x 144 x 1-11/16&quot;</td>
<td>White</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>XL7341</td>
<td>Prelude XL 4&quot; Cross Tee 15/16 x 48 x 1-11/16&quot;</td>
<td>White</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>7301TSBL3</td>
<td>Black 360 Prelude XL 12' HD Main Beam – Slotted 15/16 x 144 x 1-11/16&quot;</td>
<td>Black</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>XL73403BL</td>
<td>Black 360 Prelude XL 4&quot; Cross Tee 15/16 x 48 x 1-11/16&quot;</td>
<td>Black</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

**Wall-to-Wall Installations**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7800</td>
<td>12&quot; Angle Molding</td>
<td>N/A</td>
</tr>
<tr>
<td>HD7801_</td>
<td>10&quot; Angle Molding</td>
<td>N/A</td>
</tr>
<tr>
<td>BERC2</td>
<td>2&quot; Beam End Retaining Clip</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Floating Cloud Installations**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>7239</td>
<td>Adjustable Trim Clip (ATC)</td>
<td>N/A</td>
</tr>
<tr>
<td>5604</td>
<td>Perimeter Cut Kit</td>
<td>N/A</td>
</tr>
<tr>
<td>7129</td>
<td>Torsion Spring Hook Access Tool</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Accessories**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Pieces/Carton</th>
</tr>
</thead>
<tbody>
<tr>
<td>5459A41M1, _ _</td>
<td>4&quot; wide x 1&quot; height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5459A42M1, _ _</td>
<td>4&quot; wide x 2&quot; height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5459A44M1, _ _</td>
<td>4&quot; wide x 4&quot; height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5459A61M1, _ _</td>
<td>6&quot; wide x 1&quot; height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5459A62M1, _ _</td>
<td>6&quot; wide x 2&quot; height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5459A64M1, _ _</td>
<td>6&quot; wide x 4&quot; height end cap</td>
<td>10</td>
</tr>
<tr>
<td>5459A65M1, _ _</td>
<td>6&quot; wide x 6&quot; height end cap</td>
<td>10</td>
</tr>
</tbody>
</table>

◆ Add the 2-digit color suffix to the item number when specifying or ordering (e.g., AX6STR S G). Add an extra digit “3” before the color suffix if paint is required inside and outside of trim (e.g. AX6STR 3 S G).

**Physical Data**

**Material**
- Aluminum – thickness 0.032"

**Surface Finish**
- Painted: Factory-applied polyester paint. Custom colors also available.
- Contact ASQuote@armstrongceilings.com for custom finish requests.

**Fire Performance**
- Class A, Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

**Acoustical Options**
- Perforated panels are supplied with a black fiberglass fleece to absorb sound.

**Design Support**
- For custom design assistance contact ProjectWorks™ Design Services or visit armstrongceilings.com/projectworks

**Access to GreenGenie™**
- Calculate sustainability with GreenGenie™
- Calculate sustainability with LEED®, WELL®, and LBC credits.
- Use the following links to access GreenGenie™: armstrongceilings.com/greengenie
- LET’S BEGIN!

**Warranty**
- Details at armstrongceilings.com/warranty
- FAST134 Program Considerations
  - Size of Job Matters: Big jobs, over 2500 SF or 50 pieces for shapes/vertical elements will have longer lead times.
  - Location Matters: Transit time not included. We are ready to ship in 1 week on FAST1 items. However, transit to the states west of Wyoming may add time.
- Distributor Truck Schedule Matters: We rely on distribution to help move products around the country. When speed matters, work with your local distributor to ensure FAST134 service.
- Stock vs. Made-to-Order Matters: FAST3 & FAST4 items are made-to-order and will ship direct to distributor. FAST1 (stocked items) will go through distribution and depend on distributor truck schedules.

**Cleaning and Disinfecting**
- Cleaning and CDC-approved disinfecting options available on armstrongceilings.com/cleaning
- WARNING: Details at armstrongceilings.com/warranty

**Technical Support**
- For technical assistance, visit armstrongceilings.com/torsionspring