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 USA® 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

**NOW, LIGHTING INTEGRATION MADE EASY**

**NEW**

**TRANSFORM YOUR IMAGES**

Downlighting: MetalWorks Torsion Spring center-cut panel with coordinating USA® Lighting trimless downlight fixture. Integration details at armstrongceilings.com/downlighting

**CREATE!™ CUSTOM PERFORATIONS**

CAD/Revit® drawings at: armstrongceilings.com/cadrevit

**FXTBC**

- 7147 (Torsion Spring Extruded Perimeter Trim)
- 7301TS (Main Beam Slotted 6° O.C.)
- Torsion Spring Panel

**7301TS (Main Beam Slotted 6° O.C.)**

Downlighting: MetalWorks Torsion Spring center-cut panel with coordinating USA® Lighting trimless downlight fixture. Integration details at armstrongceilings.com/downlighting
**METALWORKS™ Torsion Spring**  
Interior and Exterior  
smooth texture

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

- **Painted**
  - Whitewash (WHA)
  - Silverlume (SIA)
  - Gun Metal (MIY)
  - Satin Anodized (SAO)
  - Lacquer Mill (LMA)
  - Brushalume (BAA)

- **Natural Reflections (Interior Only)**
  - Sustainable Laminate Finishes
  - Cool Maple (LCM)
  - Honest Maple (LHS)
  - Honey Maple (LHM)
  - Spring Cherry (LSC)
  - Beloved Oak (LBO)
  - English Walnut (LEW)
  - Midnight Forest (LMD)

These colors are part of the Sustain™ portfolio.

- **Effects™ Classic** (Dye-Sublimation)
  - Effects Cherry (FXCH)
  - Effects Dark Cherry (FXDC)
  - Effects Oak (FXDK)
  - Effects Sea Salt (FXSS)
  - Effects Ginger (FXGR)
  - Effects Nutmeg (FXNM)
  - Effects Walnut Espresso (FXWE)
  - Effects Poppy Seed (FXPS)
  - Effects Peppercorn (FXPC)
  - Effects Almond (FXAL)

- **Effects™ Bold** (Dye-Sublimation)
  - Effects Sesame (FXSE)
  - Effects Macadamia (FXMA)
  - Effects Cinnamon (FXCM)
  - Effects Flax (FXFL)
  - Effects Cocoa Bean (FXCB)
  - Effects Coriander (FXCO)

- **Effects™ Subtle** (Dye-Sublimation)
  - Effects Macadamia (FXMA)
  - Effects Cinnamon (FXCM)

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 (Rd 3205)
- M15 (Rd 1612)
- M16 (Rd 1607)
- M17 (Rd 3223)
- M18 (Rd 3210)
- M19 (Rd 3200)

**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**

- Custom Perforations Available

TechLine 877 276-7876
armstrongceilings.com/metalworkstorsionspring
**METALWORKS™ Torsion Spring Interior and Exterior**

**Acoustic Information**

Dots represent high level of performance.

<table>
<thead>
<tr>
<th>Perforation</th>
<th>NRC with acoustical fleece</th>
<th>NRC with 1” fiberglass infill</th>
</tr>
</thead>
<tbody>
<tr>
<td>M14†</td>
<td>Unperforated</td>
<td>N/A</td>
</tr>
<tr>
<td>M14†</td>
<td>0.55</td>
<td>0.85</td>
</tr>
<tr>
<td>M15</td>
<td>0.70</td>
<td>0.90</td>
</tr>
<tr>
<td>M16</td>
<td>0.70</td>
<td>0.80</td>
</tr>
<tr>
<td>M17†</td>
<td>0.75</td>
<td>0.90</td>
</tr>
<tr>
<td>M18†</td>
<td>0.65</td>
<td>0.85</td>
</tr>
<tr>
<td>M19†</td>
<td>0.75</td>
<td>0.90</td>
</tr>
</tbody>
</table>

† Available for exterior applications.
†† Maximum NRC achieved with acoustical infill.

**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 coil
  Natural Reflections: PVC-free laminates
  Custom colors and finishes available.
- **Custom Sequels 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 Index 25 or less. Smoke Developed Index 50 or less.
  Painted aluminum finishes: CAN/ULC S102: Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.
- **ASTM E1364 Classification:** Painted, Effects, Natural Reflections and Sequels finishes: Unperforated.
  ASTM E1364 Type XX Pattern G Fire Class A
  Perforated - ASTM E1364 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 16%
- **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.
  MetalWorks steel and aluminum panels 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 dye-lotted. Due to potential color variation, be certain to order sufficient initial quantities and attic stock.
- **Wind Uplift Performance:** 24” x 24” and 24” x 48” panels noted for exterior flat applications tested for wind uplift Classes 30, 60, and 80. Specific installation instructions to meet these classes are available.
- **Design Support:** For custom design assistance contact ProjectWorks® Design Services or visit armstrongceilings.com/projectworks
- **Seismic Restraint:** MetalWorks Torsion Spring panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.
- **Cleaning and Disinfecting:** Cleaning and CDC approved disinfecting options available on armstrongceilings.com/cleaning.
- **FAST134 Program Considerations:** Size of Job Matters: Big jobs, over 2500 SF or 50 pieces shapes/vertical elements will have longer lead times.
  Location Matters: Transit time not included. We are ready to ship in one 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.
- **Warranty:** One (1) year limited warranty. Details at armstrongceilings.com/warranty.
- **Weight:** 0.69 lbs/SF
  0.86 lbs/SF (Item 7226)

**Dimensions (Inches) W x L x H Custom Sizes Available**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Dimensions</th>
<th>Other Size Panels</th>
</tr>
</thead>
<tbody>
<tr>
<td>7209</td>
<td>24 x 24 x 1 1/2”</td>
<td>W: 6” - 24” L: Up to 96” in 6” increments</td>
</tr>
<tr>
<td>7210</td>
<td>24 x 48 x 1 1/2”</td>
<td>W: 30” - 48” L: Up to 48” in 6” increments (Aluminum will be 0.060” thick)</td>
</tr>
<tr>
<td>7211</td>
<td>24 x 72 x 1 1/2”</td>
<td></td>
</tr>
<tr>
<td>7212</td>
<td>24 x 96 x 1 1/2”</td>
<td></td>
</tr>
<tr>
<td>7213</td>
<td>30 x 30 x 1 1/2”</td>
<td></td>
</tr>
<tr>
<td>7225</td>
<td>24 x 24 x 1 1/2”</td>
<td></td>
</tr>
</tbody>
</table>

**Performance**

- **Light: Extreme**
- **Surface Penetration: Ultrasonic**
- **Smoke:** Disinfectable Panels
- **White:** CleanAssure® Disinfectable Panels
- **Fog:** ACOUSTICAL INFORMATION
  - **NRC with acoustical fleece:**
  - **NRC with 1” fiberglass infill:**

**Example:** 7209 M14 LMA

- **Panel Item:** 7209
- **Perforation:** M14
- **Round Straight**
- **Rg 3205**
- **Finish:** Lacquer Mill
**METALWORKS™ Torsion Spring**

**Interior and Exterior Installation Details**

**INTERIOR INSTALLATION DETAILS**

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

**HOW TO INSTALL PANELS**

1. **Step 1**
   - 24" x 48" Standard Panel Layout
   - 4' Slotted Cross Tees
   - 4 Spring Locations

2. **Step 2**
   - 30" x 30" Grid Layout (Scale - 1:25)
   - 30.00 x 30.00
   - 7301TS (Main Beam Slotted 6" O.C.)
   - 7378 (Standard 30" Cross Tee)

3. **Step 3**
   - 24" x 72" Standard Panel Layout
   - 4' Prelude® XL® Cross Tees
   - 4' Slotted Cross Tees

**NOTE:**

- **2x6 Grid Layout (Scale -1:25)**
- **2x8 Grid Layout (Scale -1:25)**
- **30x30 Grid Layout (Scale -1:25)**
- **48.00**
- **24.00**
- **72.00**
- **96.00**

**TechLine 877 276-7876**

armstrongceilings.com/metalworkstorsionspring
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.

DISCONTINUOUS SYSTEM PERIMETER DETAILS

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

Full Panels

Cut Panels

For LEED contribution contact TechLine
## METALWORKS™ Torsion Spring

### Interior and Exterior

**Installation Details**

### 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 × 96 × 1-1/2&quot;</td>
<td>WHA, SIA, MYA, SAA, LMA, BAA, BL</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Black is recommended for Sequels™ and Natural Reflections panel finishes Available in Effects™ panel as custom finish</td>
<td></td>
</tr>
<tr>
<td>7147_ _</td>
<td>Torsion Spring Perimeter Trim (Extruded)</td>
<td>1 × 120 × 4&quot;</td>
<td>WH, SG, MY, BL*</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Black is recommended for Sequels and Natural Reflections panel finishes Available in Effects™ panel as custom finish</td>
<td></td>
</tr>
<tr>
<td>7131_ _ _</td>
<td>Torsion Spring Perimeter Trim (Formed)</td>
<td>1 × 96 × 4-1/4&quot;</td>
<td>LMA, BAA, SAA</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5823</td>
<td>BioAcoustic™ Infill Panel</td>
<td>24 × 24 × 5/8&quot;</td>
<td>Black</td>
<td>12</td>
</tr>
<tr>
<td>8200T10</td>
<td>1&quot; Fiberglass Infill Bag</td>
<td>24 × 24 × 1&quot;</td>
<td>Black (Gloss)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7129</td>
<td>Torsion Spring Hook Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>7130</td>
<td>Torsion Spring Suction Access Tool</td>
<td>N/A</td>
<td>N/A</td>
<td>1</td>
</tr>
<tr>
<td>7126</td>
<td>Spreader Hold Down</td>
<td>1 × 10-5/8 × 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 A)

* 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&quot;</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&quot;</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&quot;</td>
</tr>
<tr>
<td>XL7378</td>
<td>Prelude XL 30&quot; Cross Tee</td>
<td>30 x 15/16 x 1-3/8&quot;</td>
</tr>
<tr>
<td>XL8320</td>
<td>Prelude XL 2' Cross Tee</td>
<td>24 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7341</td>
<td>Prelude XL 4' Cross Tee</td>
<td>48 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>7301G9OATS</td>
<td>Prelude XL 12' HD Exterior Main Beam – slotted for Torsion Spring</td>
<td>144 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7341G9OATS</td>
<td>Prelude XL 4' Exterior Cross Tee – slotted for Torsion Spring</td>
<td>48 x 15/16 x 1-11/16&quot;</td>
</tr>
<tr>
<td>XL7321G9OAT</td>
<td>Prelude XL 2' Exterior Cross Tee</td>
<td>24 x 15/16 x 1-11/16&quot;</td>
</tr>
</tbody>
</table>
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 (SIA)
Gun Metal (MYA)
La Jolla Oak (SQLO)
New Haven Walnut (SGNW)
Cape May Cherry (SQCC)
Montauk Driftwood (SQMD)

Sequels™ Pre-coated Coil, Fast Lead Time

Whitelume (WHA)
SilverLume (SIA)
Gun Metal (MYA)
Cape May Cherry (SGCC)

PERFORATION OPTIONS

(1:2 scale shown)

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

These colors are part of the Sustain™ portfolio

TechLine 877 276-7876
armstrongceilings.com/metalworkstorsionspring

DOWNLIGHTING: MetalWorks Torsion Spring center cut panel with coordinating USAI Lighting trimless downlight fixture. Integration details at armstrongceilings.com/downlighting
**VISUAL SELECTION**

<table>
<thead>
<tr>
<th>MetalWorks Torsion Spring 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; 3.5&quot; Square Downlight</td>
<td>BeveLED Mini for MetalWorks</td>
<td>B3SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7209_ _ _ _ C04_ _ _ _</td>
<td>24 x 24 x 1-1/2&quot; 5&quot; Square Downlight</td>
<td>BeveLED 2.2 for MetalWorks</td>
<td>B4SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7210_ _ _ _ C03_ _ _ _</td>
<td>24 x 48 x 1-1/2&quot; 3.5&quot; Square Downlight</td>
<td>BeveLED Mini for MetalWorks</td>
<td>B3SXP-UA</td>
<td>UA2 or UA4</td>
<td></td>
</tr>
<tr>
<td>7210_ _ _ _ C04_ _ _ _</td>
<td>24 x 48 x 1-1/2&quot; 5&quot; Square Downlight</td>
<td>BeveLED 2.2 for MetalWorks</td>
<td>B4SXP-UA</td>
<td>UA2 or UA4</td>
<td></td>
</tr>
<tr>
<td>7211_ _ _ _ C03_ _ _ _</td>
<td>24 x 72 x 1-1/2&quot; 3.5&quot; Square Downlight</td>
<td>BeveLED Mini for MetalWorks</td>
<td>B3SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7211_ _ _ _ C04_ _ _ _</td>
<td>24 x 72 x 1-1/2&quot; 5&quot; Square Downlight</td>
<td>BeveLED 2.2 for MetalWorks</td>
<td>B4SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7212_ _ _ _ C03_ _ _ _</td>
<td>24 x 96 x 1-1/2&quot; 3.5&quot; Square Downlight</td>
<td>BeveLED Mini for MetalWorks</td>
<td>B3SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7212_ _ _ _ C04_ _ _ _</td>
<td>24 x 96 x 1-1/2&quot; 5&quot; Square Downlight</td>
<td>BeveLED 2.2 for MetalWorks</td>
<td>B4SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7213_ _ _ _ C03_ _ _ _</td>
<td>30 x 30 x 1-1/2&quot; 3.5&quot; Square Downlight</td>
<td>BeveLED Mini for MetalWorks</td>
<td>B3SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
<tr>
<td>7213_ _ _ _ C04_ _ _ _</td>
<td>30 x 30 x 1-1/2&quot; 5&quot; Square Downlight</td>
<td>BeveLED 2.2 for MetalWorks</td>
<td>B4SXP-UA</td>
<td>UA2</td>
<td></td>
</tr>
</tbody>
</table>

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

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

**INSTALLATION DETAILS**

MetalWorks Torsion Spring 24" x 24" Panel

USAI BevelED for MetalWorks Fixture Housing

USAI Grid Mounting Bars Item UA2

USAI BevelED Mini for MetalWorks – Item B3SXP-UA

**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

**LIGHTING FIXTURES**

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

For detailed lighting information, contact your local USAI representative or visit usailighting.com/metalworks for more information.