# METALWORKS™ Torsion Spring Large Format Interior

SUSTAIN™
High Performance
Sustainable
Ceiling Systems




MetalWorks™ Torsion Spring Large Format ceiling panels in custom colors

**MetalWorks™ Torsion Spring Large Format panels provide a monolithic visual with a unique hide-the-grid installation and 100% swing-down accessibility.**

## KEY SELECTION ATTRIBUTES

- Sustainable Beyond Standard: Select standard and custom panels are part of the Sustain™ portfolio, and meet the most stringent industry sustainability compliance standards today
- ExpanTech™ panels stay strong and stable, keeping ceilings smooth and seamless without bending or sagging
- Simple plenum access with easy-to-access torsion spring design
- CleanAssure™ family of products – includes disinfectable panels, suspension systems, and trim
- Panels feature swing-down accessibility
- Coordinates with MetalWorks and Axiom® Vector trim
- Washable and impact-, scratch-, and soil-resistant

new
- Standard 4' × 8' and 5 × 10' panels have fewer seams for a clean, monolithic look
- Available in 4 × 4' and 5 × 5' as custom order
- Available in M1 unperforated and M15 perforated options
- Available in custom perforations, including M3 (Extra Microperforated)

## COLORS

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

Painted


White
(WH)


Silver Grey
(SG)


Gun Metal Grey
(MY)


Custom Colors
Available


Custom Wood-look
Finishes Available

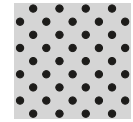
Standard colors are pre-qualified for Sustain portfolio requirements. Custom or made-to-order colors must be evaluated separately when Sustain compliance is required.

For custom options contact ASQuote, ASQuote@armstrongceilings.com

## STANDARD PERFORATION OPTIONS

(1:2 scale shown)


M1
(Unperforated)


M15
(Rd 1612)

TechLine 877 276-7876
armstrong.com/metalworkstorsionspring

Armstrong®
World Industries

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Declare.

RECYCLED CONTENT
UP TO 20%

LEED V5

| | | | |
|---|---|---|---|
| COMMON MATERIALS FRAMEWORK | | Climate Health | EPD |
| Human Health | Declare Label | Ecosystem Health | EPD |
| | HPD | | |
| | 3rd Party CDPH | Circular Economy | ✓ |
| OCCUPANT EXPERIENCE | | Acoustics | ✓ |

## VISUAL SELECTION

Contact ASOrder@armstrongceilings.com for custom options.

| | Item No. ◆ | Dimensions (Inches) W × L × H<br>Custom Sizes Available |
|---|---|---|
| METALWORKS™ Torsion Spring<br>Square 15/16" | **7143D408**_ _ _ _ _ _ | 48 × 96 × 1-1/2" |
| | **7143D510**_ _ _ _ _ _ | 60 × 120 × 1-1/2" |

## PERFORMANCE

Dots represent high level of performance.

| | Fire Performance | Light Reflect* | Springs per Panel | CleanAssure™ Disinfectable Panels: Fog | Spray | Wipe |
|---|---|---|---|---|---|---|
| **7143D408**_ _ _ _ _ _ | Class A | 0.73 | 8 | • | • | • |
| **7143D510**_ _ _ _ _ _ | Class A | 0.73 | 12 | • | • | • |

## ACOUSTICAL INFORMATION

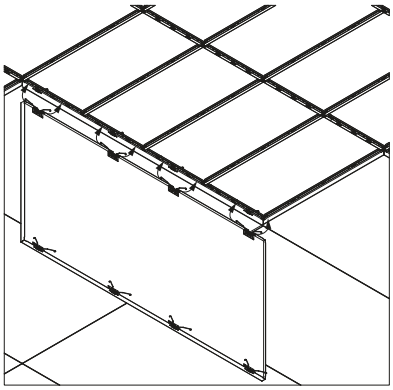
| Perforation | | NRC with acoustical fleece | NRC with 1" fiberglass infill †† |
|---|---|---|---|
| **M1** | Unperforated | N/A | N/A |
| **M15** | Rd 1612 | 0.75 • | 0.90 • |

* Light reflectance is for unperforated White.
◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7143D408 M 1 5 W H).

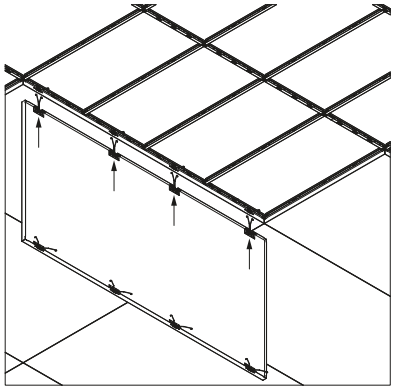
†† Maximum NRC achieved with acoustical infill (Item 8200T10).
For infill panel information, visit armstrongceilings.com/mwaccessories

EXAMPLE: **7143D408 M15 WH**
- 7143D408: Panel Item
- M15: Perforation: M15 Round Diagonal Rd 1612
- WH: Finish: White

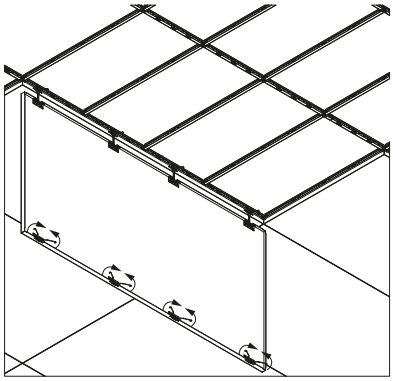
## HOW TO INSTALL PANELS



Step 1



Step 2



Step 3

METALWORKS™ – Standard

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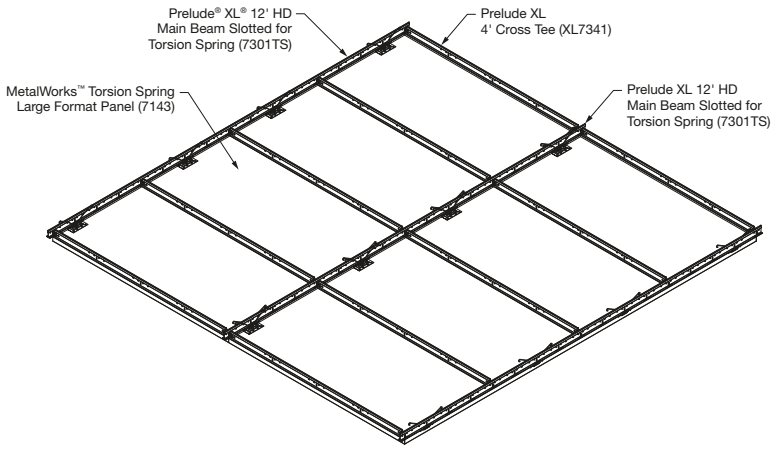
Declare.

RECYCLED CONTENT
UP TO 20%

LEED V5

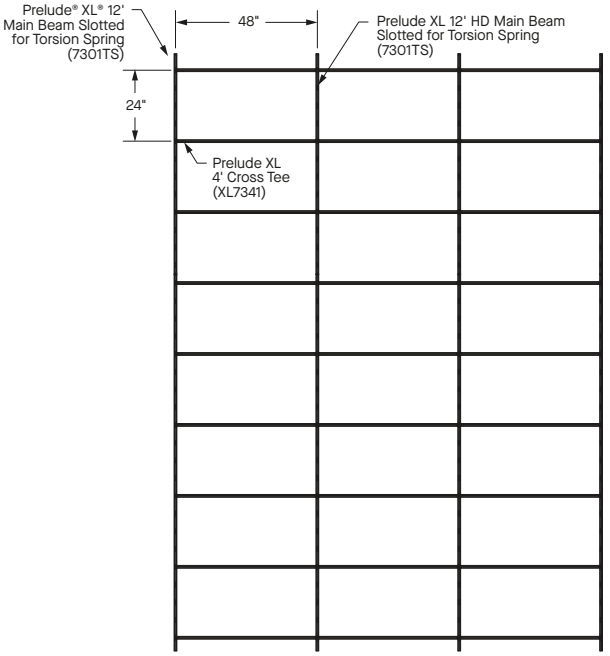
| COMMON MATERIALS FRAMEWORK | | |
|---|---|---|
| Human Health | Declare Label | Climate Health EPD |
| | HPD | Ecosystem Health EPD |
| | 3rd Party CDPH | Circular Economy ✓ |
| OCCUPANT EXPERIENCE | | Acoustics ✓ |

## HOW TO INSTALL PANELS

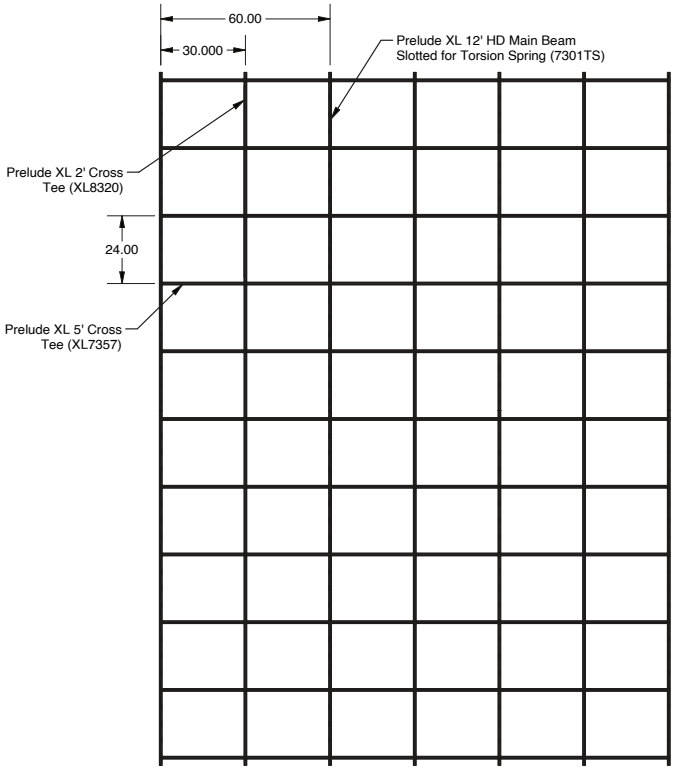



24" × 48" Standard Panel Layout with Main Beams 4' O.C., Standard 4' Prelude® XL® Cross Tees, 4' Cross Tees

## INSTALLATION DETAIL




4' × 8' Installation Detail




5' × 10' Installation Detail

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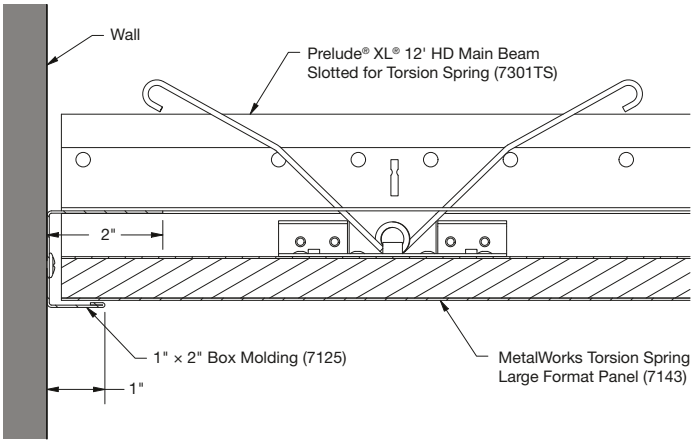
RECYCLED CONTENT
UP TO 20%

LEED V5

| | | | |
|---|---|---|---|
| COMMON MATERIALS FRAMEWORK | | Climate Health | EPD |
| Human Health | Declare Label | Ecosystem Health | EPD |
| | HPD | | |
| | 3rd Party CDPH | Circular Economy | ✓ |
| OCCUPANT EXPERIENCE | | Acoustics | ✓ |

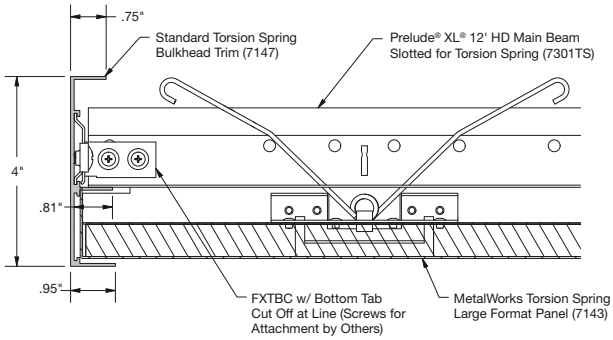
## INTERIOR WALL PERIMETER DETAILS

MetalWorks™ Torsion Spring Large Format Perimeter with Panel

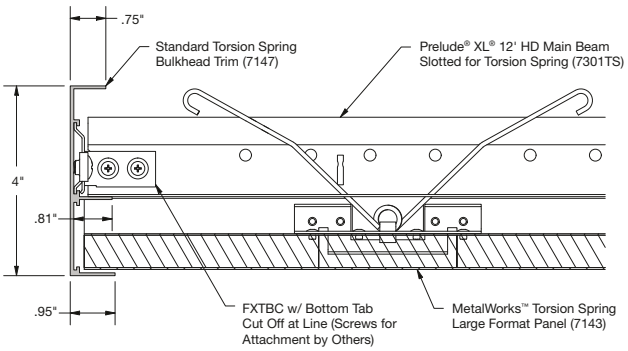



## DISCONTINUOUS SYSTEM PERIMETER DETAILS

MetalWorks Torsion Spring Large Format Perimeter Floating – Uncut Panel




MetalWorks Torsion Spring Large Format Perimeter Floating – Field Cut Panel



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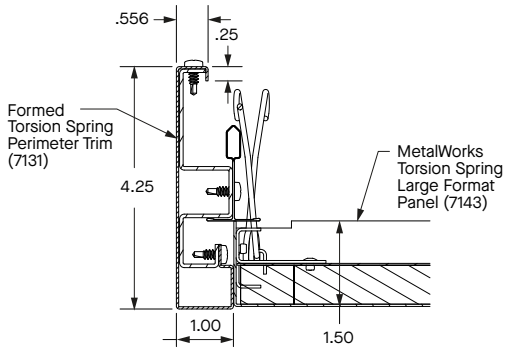
Declare.

RECYCLED CONTENT
UP TO 20%

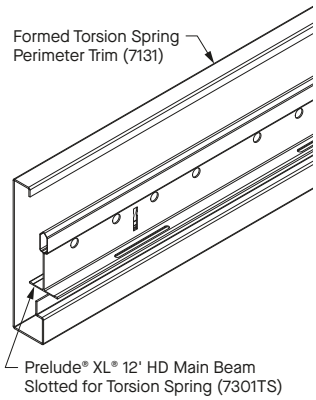
LEED V5

| | | | |
|---|---|---|---|
| COMMON MATERIALS FRAMEWORK | | Climate Health | EPD |
| Human Health | Declare Label | Ecosystem Health | EPD |
| | HPD | | |
| | 3rd Party CDPH | Circular Economy | ✓ |
| OCCUPANT EXPERIENCE | | Acoustics | ✓ |

## DISCONTINUOUS SYSTEM PERIMETER DETAILS

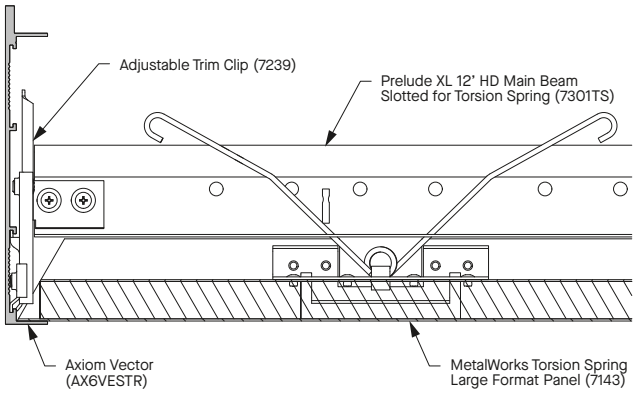


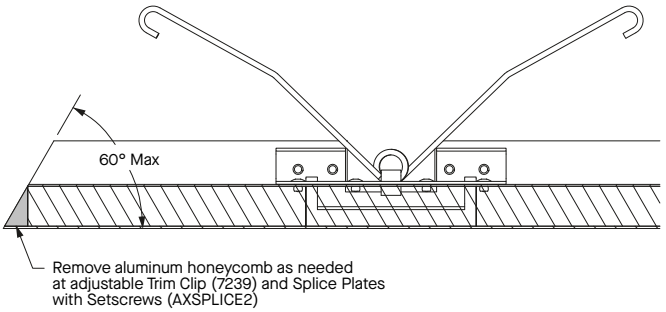

Extruded Perimeter Trim (Item 7131) Detail for Full Sized Panels




7131, Formed Torsion Spring Perimeter Trim – Attached to Grid Main Beam

## INTERIOR WALL PERIMETER AXIOM® DETAILS



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| | | | |
|---|---|---|---|
| COMMON MATERIALS FRAMEWORK | | Climate Health | EPD |
| Human Health | Declare Label | Ecosystem Health | EPD |
| | HPD | | |
| | 3rd Party CDPH | Circular Economy | ✓ |
| OCCUPANT EXPERIENCE | | Acoustics | ✓ |

## ACCESSORIES

| | Item No. ◆ | Description | Dimensions (Inches) Nominal W × L × H | Color | Pieces/ Carton |
|---|---|---|---|---|---|
| Wall-to-Wall Installations | **7125_ _** | Box Molding | 2 × 96 × 1-1/2" | WH, SG, MY | 10 |
| Floating Cloud Installations | **7131_ _** | Torsion Spring Perimeter Trim (Formed) | 1 × 96 × 4-1/4" | WH, SG, MY | 6 |
| | **7147_ _** | Torsion Spring Perimeter trim (Extruded) | 1 × 120 × 4" | WH, SG, MY | 6 |
| | **AX6VESTR_ _** | Axiom® Vector® Trim – 6" Straight | 3/4 × 120 × 6" | WH, SG, MY, BL* | N/A |
| | **AX6VECUR** | Axiom Vector Trim – 6" Curved | 3/4 × 120 × 6" | WH, SG, MY, BL* | N/A |
| | **7239** | Adjustable Trim Clip | N/A | N/A | 50 |
| Acoustical Infill Panels | **8200T10** | 1" Fiberglass Infill Bag | 24 × 24 × 1" | Black (Gloss) | 12 |
| Other Accessories | **7129** | Torsion Spring Hook Access Tool | N/A | N/A | 1 |
| | **7130** | Torsion Spring Suction Access Tool | N/A | N/A | 1 |
| | **BERC2** | Beam End Retaining Clip | N/A | Mill Finish | 200 |

* Axiom finishes coordinate with MetalWorks finishes.
◆ When specifying or ordering, include the appropriate color code with the item number (e.g. 7131 L M A).

## SUSPENSION SYSTEMS

| | Item No. | Description | Dimensions (Inches) |
|---|---|---|---|
| 15/16" Prelude® XL® Suspension System<br>Some items slotted for Torsion Spring. | **7301TS** | Prelude XL 12' HD Main Beam – slotted for Torsion Spring | 144 × 15/16 × 1-11/16" |
| | **XL7341** | Prelude XL 4' Cross Tee | 48 × 15/16 × 1-11/16" |
| | **XL7357** | Prelude XL 5' Cross Tee | 60 × 15/16 × 1-11/16" |
| | **XL8320** | Prelude XL 2' Cross Tee | 24 × 15/16 × 1-11/16" |

## PHYSICAL DATA

**Material**
Aluminum composite .75", Overall panel height 1.5"

**Surface Finish**
Painted: Factory-applied polyester paint

Custom colors and finishes available.

Contact AS Quote for custom size and perforation options.

**Fire Performance**
Class A: ASTM E84 and CAN/ULC S102. 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 E1264 Classification**
Unperforated: ASTM E1264 Type XX Pattern G Fire Class A
Perforated: ASTM E1264 Type XX Pattern C Fire Class A

**Acoustical Options**
Perforated panels come standard with acoustical fleece to absorb sound.

**VOC Emissions**
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard™, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

**Recycled Content**
Up to 20%.

**Design Considerations**
White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

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

**Seismic Restraint**
MetalWorks® Large Format panels are engineered to meet seismic requirements for Seismic Design Categories D, E, and F in accordance with applicable building codes (Item 7143D408).

DSA and OSHPD compliance involves additional structural and installation requirements beyond standard seismic design categories. Always verify project-specific seismic criteria with the authority having jurisdiction.

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

**Warranty**
One (1) year limited warranty.
Details at armstrongceilings.com/warranty

**Weight**
4' × 8' Perforated – 37.6 lbs
4' × 8' Non Perforated – 42.25 lbs
5' × 10' Perforated – 60.5 lbs
5' × 10' Non Perforated – 72.5 lbs

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BPCS-7411-726

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