

# METALWORKS™ Torsion Spring Large Format Interior



48" × 96" MetalWorks Torsion Spring Large Format panels in White finish and M15 perforation pattern

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
- Standard 4' × 8' panels have fewer seams for a clean, monolithic look
- Available in sizes up to 5' × 10' as custom
- 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



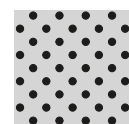
Custom Wood-look Finishes Available

For custom options contact ASQuote,  
ASQuote@armstrongceilings.com

## STANDARD PERFORATION OPTIONS (1:2 scale shown)



M1 (Unperforated)



M15 (Rd 1612)

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Declare.

RECYCLED  
CONTENT  
UP TO  
**20%**

LEED V5

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

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

	Item No. ♦	Dimensions (Inches) W × L × H Custom Sizes Available
METALWORKS™ Torsion Spring Square 15/16"	7143D408_	48 × 96 × 1-1/2"

\* Light reflectance is for unperforated White.  
♦ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7209 M 1 4 L M A).

**PERFORMANCE** Dots represent high level of performance.

Fire Performance	Light Reflect*	Springs per Panel	CleanAssure™ Disinfectable Panels		
			Fog	Spray	Wipe
Class A	0.73	8	•	•	•

**ACOUSTICAL INFORMATION**

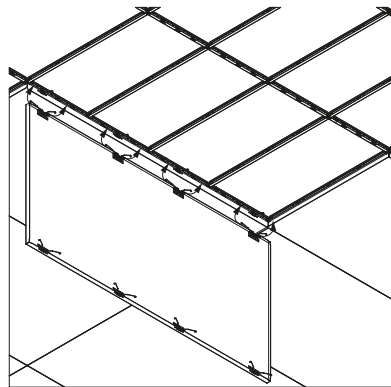
Perforation		NRC with acoustical fleece	NRC with 1" fiberglass infill ††
		NRC	NRC
M1	Unperforated	N/A	N/A
M15	Rd 1612	0.75	0.95

†† Maximum NRC achieved with acoustical infill (Item 8200T10).

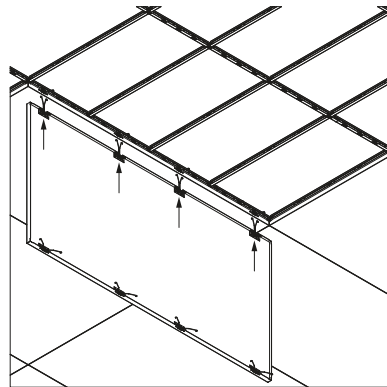
For infill panel information, visit [armstrongceilings.com/mwaccessories](http://armstrongceilings.com/mwaccessories)

EXAMPLE: **7209 M15 WH**  
Panel Item      Perforation: M15 Round Diagonal Rd 1612      Finish: White

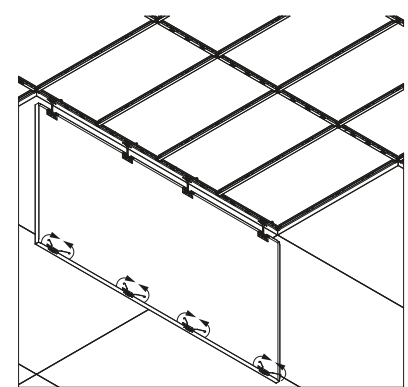
## HOW TO INSTALL PANELS



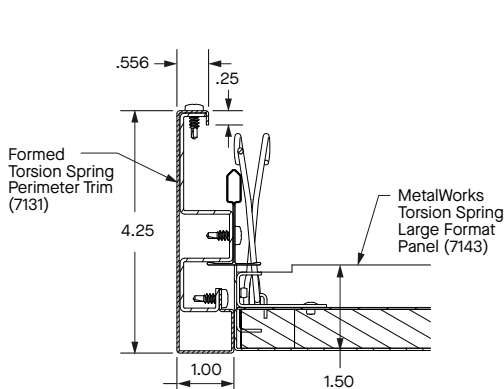
Step 1



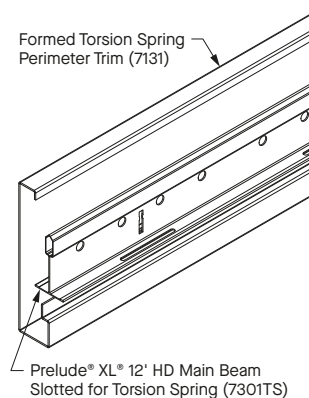
Step 2



Step 3



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



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

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COMMON MATERIALS FRAMEWORK

Human Health **Declare Label**

Climate Health

EPD

Ecosystem Health

EPD

HPD

3rd Party CDPH

Circular Economy

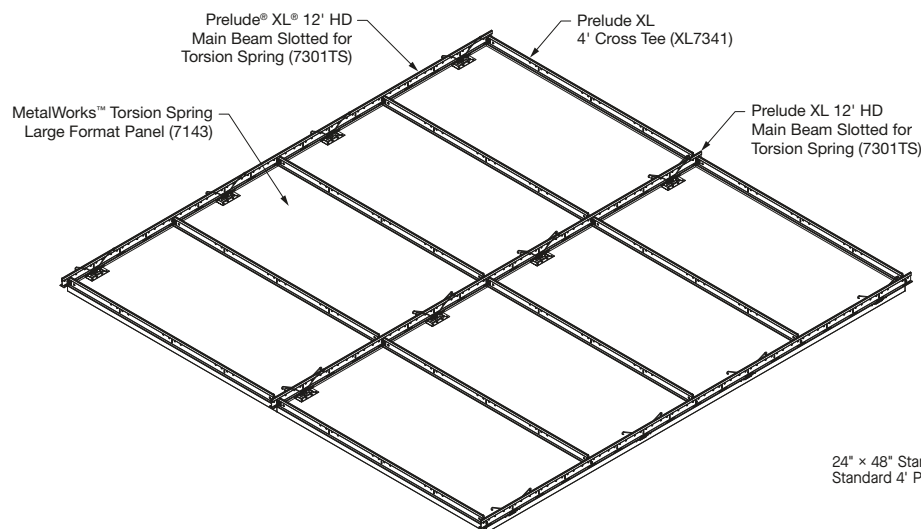


OCCUPANT EXPERIENCE

Acoustics

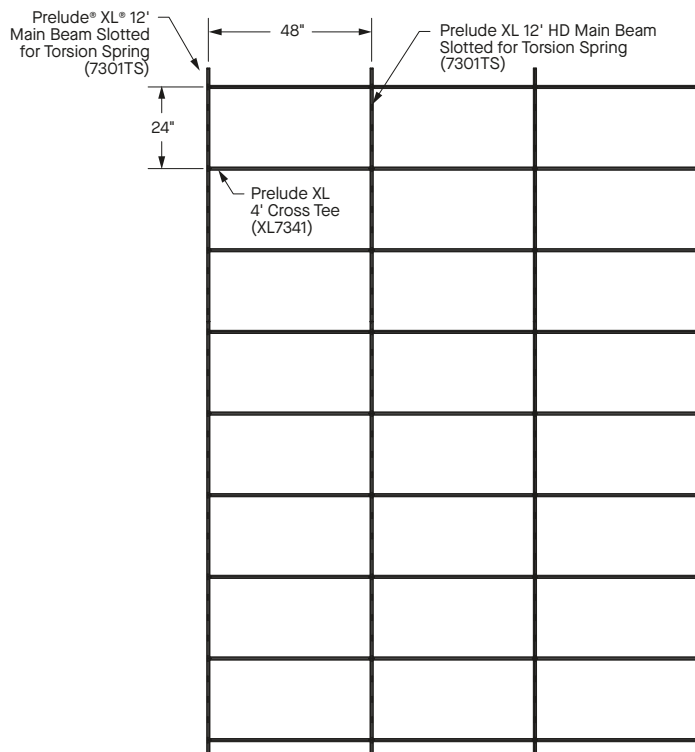


## HOW TO INSTALL PANELS



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

## INSTALLATION DETAIL



TechLine 877 276-7876

[armstrongceilings.com/metalworkstorsionspring](http://armstrongceilings.com/metalworkstorsionspring)

**Armstrong®**  
World Industries

# METALWORKS™ Torsion Spring Large Format Interior



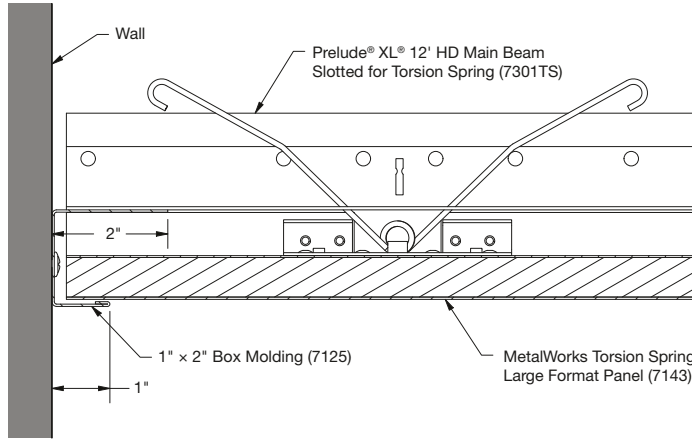
RECYCLED  
CONTENT  
  
UP TO  
**20%**

**LEED V5**

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

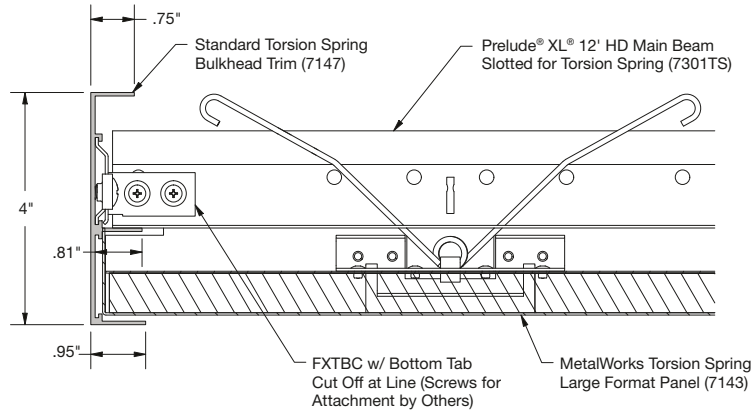
## INTERIOR WALL PERIMETER DETAILS

MetalWorks™ Torsion Spring Large Format Perimeter with Panel

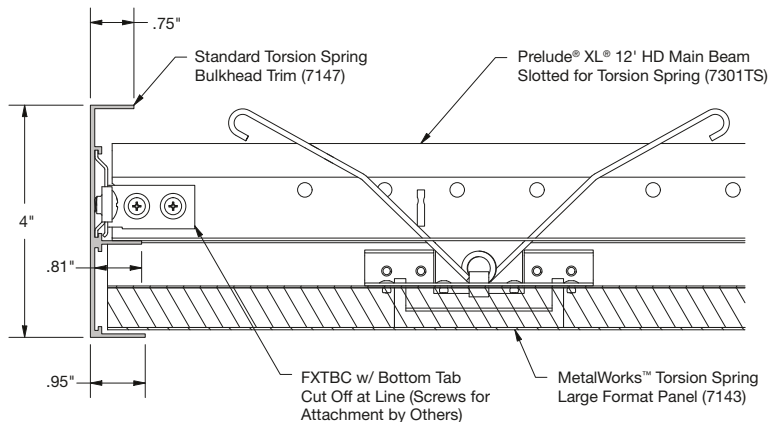


## DISCONTINUOUS SYSTEM PERIMETER DETAILS

MetalWorks Torsion Spring Large Format Perimeter Floating – Uncut Panel



MetalWorks Torsion Spring Large Format Perimeter Floating – Field Cut Panel



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COMMON MATERIALS FRAMEWORK

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HPD  
3<sup>rd</sup> Party CDPH

OCCUPANT EXPERIENCE

Climate Health

Ecosystem Health

Circular Economy

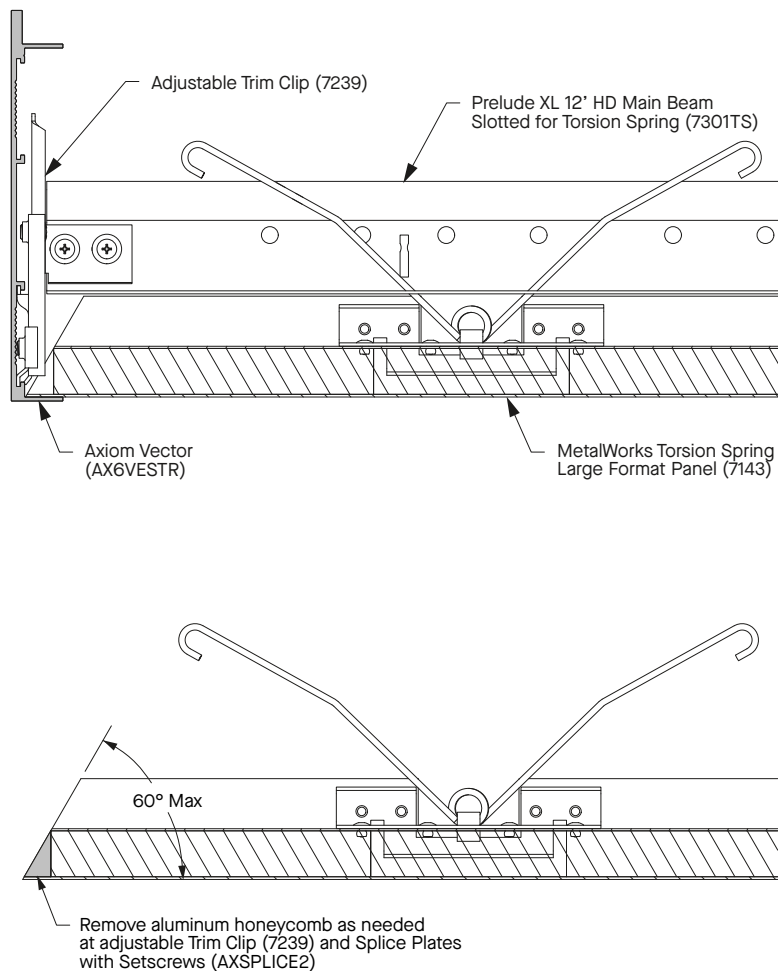
Acoustics

EPD

EPD



## INTERIOR WALL PERIMETER AXIOM DETAILS



METALWORKS™ – Standard

TechLine 877 276-7876

[armstrongceilings.com/metalworkstorsionspring](http://armstrongceilings.com/metalworkstorsionspring)

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**LEED V5**

COMMON MATERIALS FRAMEWORK		Climate Health	EPD
Human Health	Declare Label HPD	Ecosystem Health	EPD
	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 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"

## 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.

**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](http://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](http://armstrongceilings.com/cleaning)

**Warranty**  
One (1) year limited warranty.  
Details at [armstrongceilings.com/warranty](http://armstrongceilings.com/warranty)

**Weight**  
4' × 8' Perforated – 376 lbs  
4' × 8' Non Perforated – 42.25 lbs