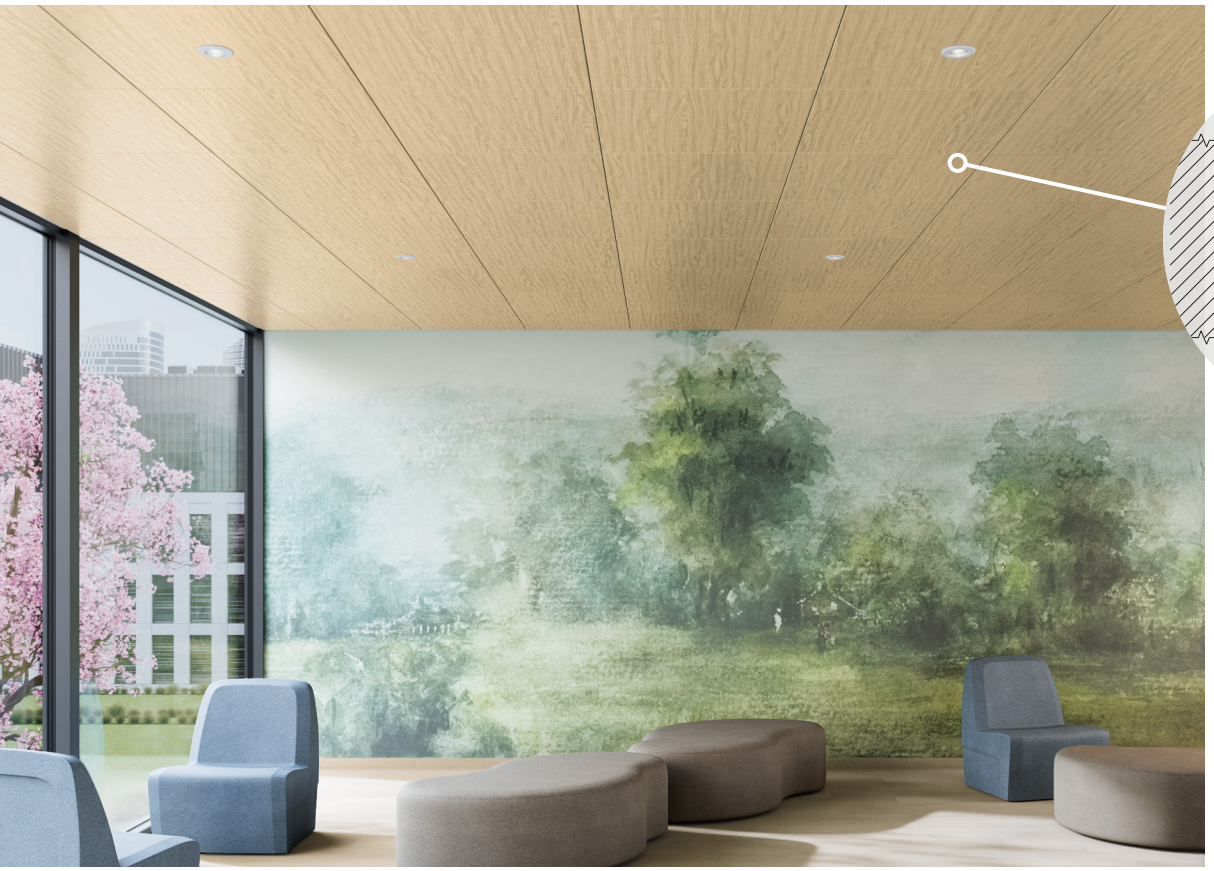
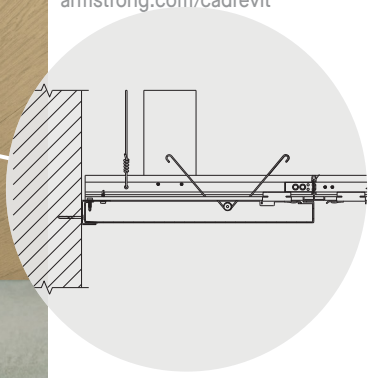
METALWORKS™ Torsion Spring

For Behavioral Health

SUSTAIN™
High Performance
Sustainable
Ceiling Systems

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





MetalWorks Torsion Spring for Behavioral Health panels – 30" × 30" in Effects Ginger

MetalWorks™ Torsion Spring for Behavioral Health was designed to meet the safety and wellness standards of behavioral and mental health facilities, which makes it appropriate for use in areas with potential security concerns.

KEY SELECTION ATTRIBUTES

- Standard size – 30" × 30"
- Simple plenum access with easy-to-access torsion spring design
- System utilizes a locking clip to prevent unintended panel removal
- Part of the Sustain portfolio, and meet the most stringent industry sustainability compliance standards today
- Panels are designed for easy installation on pre-slotted heavy-duty, extruded aluminum main beams and cross tees – 30" O.C layout
- FASTPeel™ panel featuring a faster and easier-to-remove protective film is available on Whitelume and Silverlume finishes

Panels, perforations, and finishes listed on this data page have been accepted by the New York State Office of Mental Health (NYS-OMH) Patient Standards, Material and Systems Guidelines.

The NYS-OMH Patient Safety Guide lists approved lighting and MEP options. Please refer to those manufacture guidelines on incorporating lighting and MEP into the MetalWorks Torsion Spring for Behavioral Health panel. The responsibility for secure attachment and compliance of integrated lighting and MEP options is delegated to the manufacturer of the integrated lighting or MEP component.

METALWORKS™ Torsion Spring
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Declare.

RECYCLED CONTENT 15%

LEED V5

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

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

Standard Color
FASTPASS™

Painted

Whitelume (WHA)

For custom colors and system configurations contact ASQuote, ASQuote@armstrong.com

Premium Colors & Finishes



Silvelume (SIA)



Gun Metal (MYA)

For custom colors and system configurations contact ASQuote, ASQuote@armstrong.com

CUSTOM COLORS & FINISHES



Custom Colors Available



Custom Wood-look Finishes Available

For custom options contact ASQuote, ASQuote@armstrong.com

Effects™ Classic Dye-Sublimation



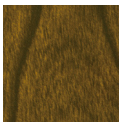
Effects Cherry (FXCH)



Effects Dark Cherry (FXDC)



Effects Oak (FXOK)



Effects Walnut (FXWN)



Effects Walnut Espresso (FXWE)

Effects™ Bold Dye-Sublimation



Effects Sea Salt (FXSS)



Effects Ginger (FXGR)



Effects Nutmeg (FXNM)



Effects Poppy Seed (FXPS)



Effects Peppercorn (FXPC)



Effects Almond (FXAL)

Effects™ Subtle Dye-Sublimation



Effects Sesame (FXSE)



Effects Macadamia (FXMA)



Effects Cinnamon (FXCM)



Effects Flax (FXFL)



Effects Cocoa Bean (FXCB)



Effects Coriander (FXCO)

PERFORMANCE OPTIONS
(1:2 scale shown)

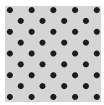
Standard Perforations

M1 (Unperforated)

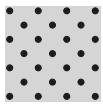


M17 (Rv 3223)

Premium Perforations



M15 (Rd 1612)



M16 (Rd 1607)

NOTE: When using perforated panels, 1" fiberglass infill (8200D3030T10) must be used to maintain NYS-OMH compliance.

METALWORKS™ – Standard

METALWORKS™ Torsion Spring

For Behavioral Health

SUSTAIN™ High Performance Sustainable Ceiling Systems

Declare.

RECYCLED CONTENT 15%

LEED V5

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

VISUAL SELECTION

Contact ASOrder@armstrong.com for custom options.

	Item No. ◆	Dimensions (Inches) W × L × H Custom Sizes Available
METALWORKS™ Torsion Spring for Behavioral Health Interior Panels Square	**8297D3030 _ _ _ _ _**	30 × 30 × 1-1/2"

PERFORMANCE

Dots represent high level of performance.

Fire Performance	Light Reflect*	Springs per Panel	CleanAssure™ Disinfectable Panels: Fog	Spray	Wipe
Class A	0.75	4	•	•	•

ACOUSTICAL INFORMATION

Perforation		NRC with acoustical fleece	NRC with 1" fiberglass infill †	% Open
M1	Unperforated	N/A	N/A	N/A
M15	Rd 1612	0.70 •	0.90 •	12%
M16	Rd 1607	0.70 •	0.75 •	7%
M17	Rv 3223	0.70 •	0.90 •	23%

† Maximum NRC achieved with acoustical infill (Item 8200D3030T10).

For infill panel information, visit armstrong.com/mwaccessories

EXAMPLE:

8297D3030 M17 WHA

- 8297D3030: Panel Item
- M17: Perforation: M17 Round Staggered Rv 3223
- WHA: Finish: Whitelume

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 8297D3030 M 1 7 W H A).
* Light reflectance is for unperforated Whitelume.

ACCESSORIES

	Item No. ◆	Description	Dimensions (Inches) Nominal W × L × H	Color	Pieces/ Carton
Wall-to-Wall Installs	**7145L096 _ _ _**	96" HD Box Molding for MetalWorks Torsion Spring	2 × 96 × 1-1/2"	WHA, SIA, MYA, FXCH, FXDC, FXWN, FXOK, FXWE, FXSS, FXGR, FXNM, FXPS, FXPC, FXSE, FXMA, FXAL, FXFL, FXCB, FXCM, FXCO	1
Other Accessories	**5396L28**	28" Hold-Down Clip for MetalWorks Torsion Spring	N/A	Unpainted	1
	8299MT00MF	MetalWorks Torsion Spring Grid Splice for Extruded Aluminum Main Beam	N/A	Unpainted	1
	6548T06	MetalWorks Torsion Spring Locking Clip	N/A	Unpainted	250
	7129	Torsion Spring Hook Removal Tool			
	7130	Torsion Spring Suction Access Tool			
	8200D3030T10	Acoustical Fiberglass Infill Panel	30 × 30 × 1"		12

◆ When specifying or ordering, include the appropriate color code with the item number (e.g. 7145L096 W H A)
* Coordinates with WHA Torsion Spring panel finishes

SUSPENSION SYSTEM

Item No.	Description	Dimensions (Inches) Nominal L × W × H
8298MT01L120MF	120" HD Extruded Aluminum Main Beam – slotted for Torsion Spring	120 × 1-1/2 × 1-3/4"
8298CT00L030MF	30" HD Extruded Aluminum Cross Tee (unslotted)	30 × 1-1/2 × 1-3/4"

TechLine 877 276-7876
armstrong.com/metalworkstorsionspring

Armstrong® World Industries

METALWORKS™ Torsion Spring

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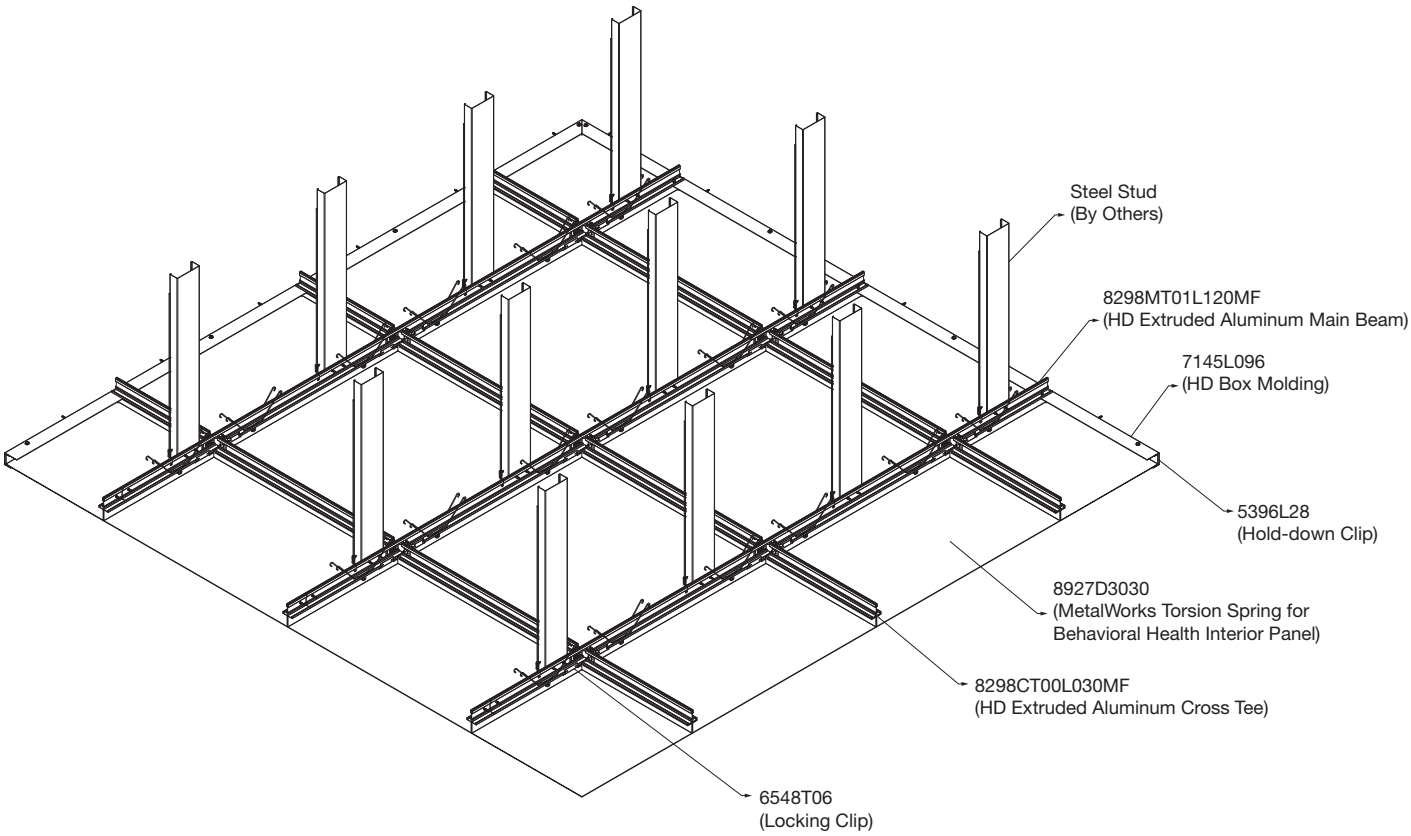
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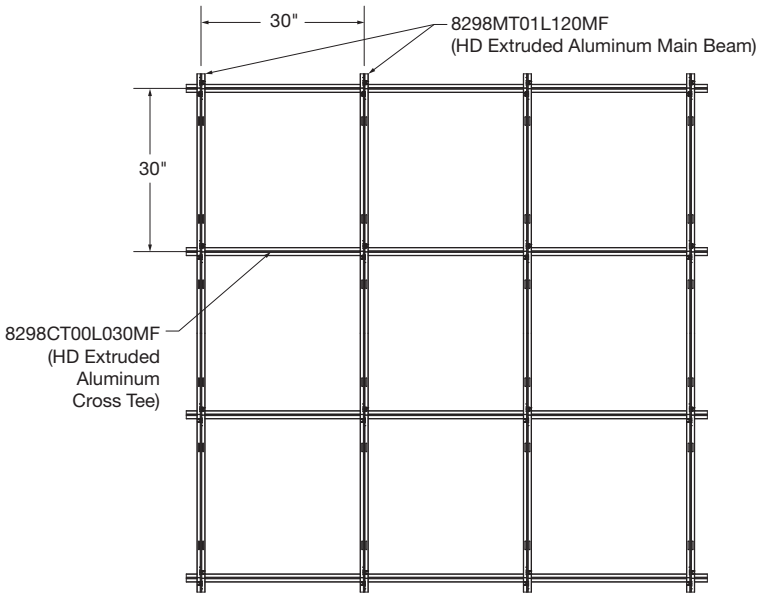
RECYCLED CONTENT
15%

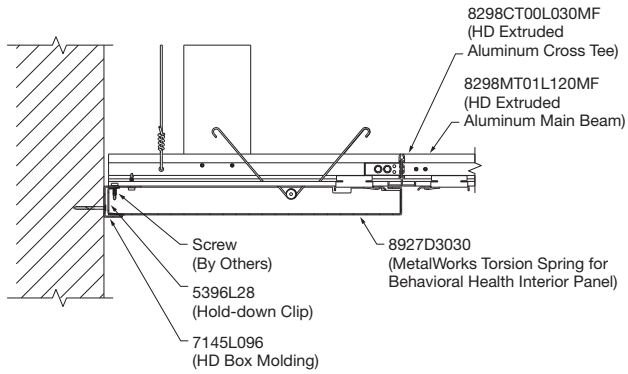
LEED V5

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

FOR BEHAVIORAL HEALTH APPLICATION INSTALLATION OVERVIEW







For full details, please view the MetalWorks Torsion Spring for Behavioral Health Installation Instructions (BPLA-293876).

METALWORKS™ – Standard

METALWORKS™ Torsion Spring

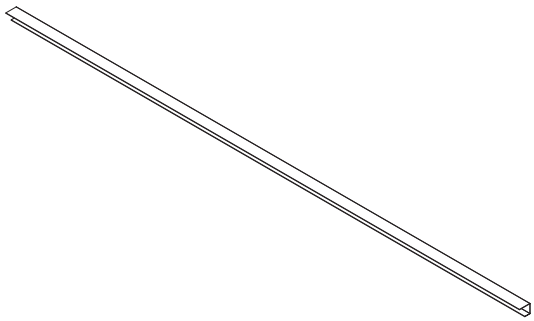
For Behavioral Health

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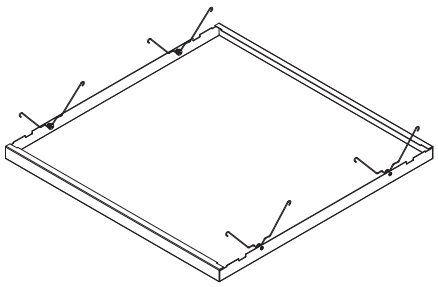
Declare.

RECYCLED CONTENT	LEED V5		
15%	COMMON MATERIALS FRAMEWORK	Climate Health	EPD
	Human Health — Declare Label	Ecosystem Health	EPD
	HPD		
	3rd Party CDPH	Circular Economy	✓
	OCCUPANT EXPERIENCE	Acoustics	✓

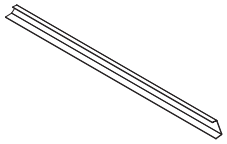
INSTALLATION COMPONENTS



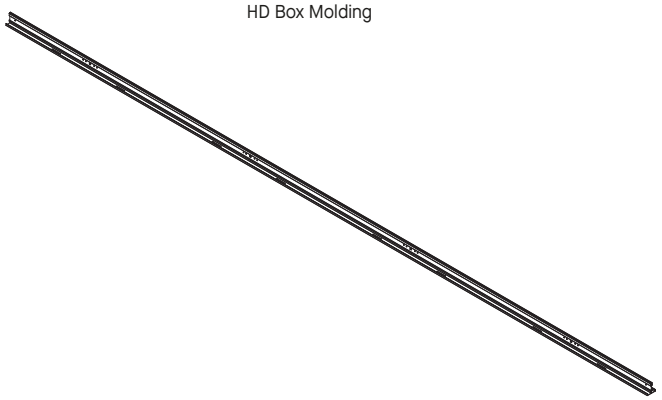
7145L096
HD Box Molding



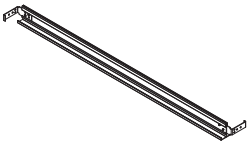
8927D3030
MetalWorks Torsion Spring for
Behavior Health Interior Panel



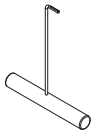
5396L28
Hold-Down Clip



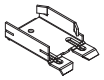
8298MT01L120MF
HD Extruded Aluminum
Main Beam



8298CT00L030MF
Extruded Aluminum Cross Tee



7129
Torsion Spring Hook
Access Tool



6548T06
Locking Clip



8299MT00MF
Grid Splice for
Extruded Main Beam

PHYSICAL DATA

Material
All panels, Aluminum – 0.063"

Surface Finish
Painted: Factory-applied polyester paint

Custom colors and finishes available.

Fire Performance
Painted aluminum 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 E1264 Classification
Painted 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 15%

Design Considerations
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.

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 Whitelume, 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.

This system is tested and accepted by the New York State Office of Mental Health (NYS-OMH) Patient Standards, Materials and Systems Guidelines. WHA, SIA, MYA, FXCH, FXDC, FXOK, FXWN, FXWE, FXSS, FXGR, FXNM, FXPS, FXPC, FXAL, FXSE, FXMA, FXCM, FXFL, FXCB, FXCO, custom powder coat finishes with M1, M15, M16, and M17 perforations are accepted by NYS-OMH. When using a perforated panel. 1" fiberglass infill (BP8200D3030T10) must be used to maintain NYS-OMH compliance.

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.

Design Support
For custom design assistance contact ProjectWorks® Design Services or visit armstrong.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 armstrong.com/cleaning

Weight
0.69 lbs/SF

TechLine / 877 276-7876
armstrong.com/metalworkstorsionspring

BPCS-7320-1026

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