



WOODWORKS® Torsion Spring

Concealed Suspension



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

WoodWorks Torsion Spring 24" × 96" panels in Plain Slice Cherry

WoodWorks® Torsion Spring accessible system offers a monolithic wood visual in a variety of standard veneers and perforations.

KEY SELECTION ATTRIBUTES

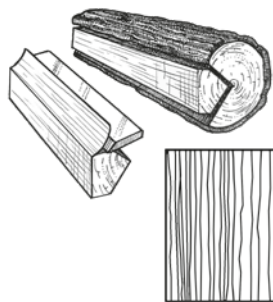
- Standard veneers feature various species and cuts for beautiful wood visuals
- ASTM E84 Class A Fire Performance
- Downward accessible panels provide easy access to the plenum
- The natural warmth of wood can contribute to biophilic designs and building certification standards like the WELL™ v2 "Nature and Place" feature
- Complete standard system from one manufacturer, including panels, suspension system, clips, and trim options
- USDA Biobased content: 100%
- FSC® certified wood available as a premium quoted option (FSC® C007626)
- CleanAssure™ family of products includes disinfectable panels, suspension systems, and trim
- Made in the U.S.A. of domestic and global content
- Build America, Buy America (BABA) Act compliant

VENEER CUTS

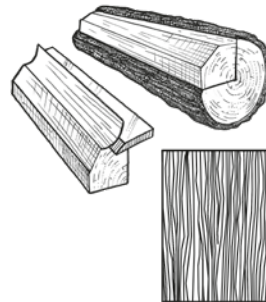
Different cuts of a log will yield different graining visuals. Choose your veneer to achieve your desired look.



Plain Sliced
Produces the well-known cathedral or loop-grain effect.



Quarter Sliced
Produces a striped, often straight-grain effect.



Rift Sliced
Produces a tight, linear grain along the entire length of the veneer.



WOODWORKS® Torsion Spring Concealed Suspension

RECYCLED
CONTENT

LEED V5

UP TO
80%

USDA
CERTIFIED
BIOBASED
PRODUCT
PRODUCT 100%

COMMON MATERIALS FRAMEWORK

Human Health

Climate Health

EPD

Ecosystem Health

EPD

Circular Economy



OCCUPANT EXPERIENCE

Acoustics



FINISH RANGES

The carefully curated species and veneer cuts offer a beautiful natural variation. The images here reflect the visual range that is likely within our product. Darkest to lightest tones may occur within an installation due to the character of wood.



Plain Slice White Maple (NWM)



Plain Slice White Ash (NWA)



Vertical Grain Fir (NVF)



Rift White Oak (NRO)



Plain Slice White Oak (NOK)



Plain Slice Cherry (NPC)



Quartered Mahogany (NGM)



Quartered Sapele (NQS)



Quartered Walnut (NGW)



Plain Slice Walnut (NWN)

CUSTOM FINISHES



Custom Wood
Species and Finishes
Available

LEGACY VENEERS

Natural Variations™
Plain Slice

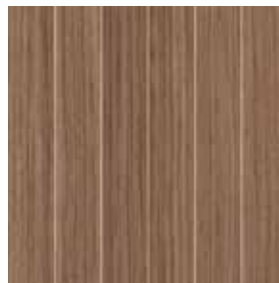


Maple (NMP)



Light Cherry (NLC)

Constants™
Vertical Grain



Walnut (CWA)



Redux Wood Wheat (CRW)

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





WOODWORKS® Torsion Spring Concealed Suspension

RECYCLED
CONTENT

LEED V5

UP TO
80%

USDA
CERTIFIED
BIOBASED
PRODUCT
PRODUCT 100%

COMMON MATERIALS FRAMEWORK

Human Health

Climate Health

Ecosystem Health

Circular Economy

Acoustics

EPD

EPD

✓

✓

VISUAL SELECTION

	Item No. ♦	Dimensions Nominal W × L × H (Inches)	LBS/ SF
WoodWorks® Torsion Spring	8245F01__S1__	24 × 24 × 3/4"	2.94
1/4" Reveal	8245F01__S2__	24 × 48 × 3/4"	2.94
	8245F01__S3__	24 × 72 × 3/4"	2.94
	8245F01__S4__	24 × 96 × 3/4"	2.94
	8245F01__S5__	30 × 60 × 3/4"	2.94
	8245F01__S6__	30 × 30 × 3/4"	2.94
FSC® certified* WoodWorks Torsion Spring	8245F02__S1__	24 × 24 × 3/4"	2.94
1/4" Reveal	8245F02__S2__	24 × 48 × 3/4"	2.94
	8245F02__S3__	24 × 72 × 3/4"	2.94
	8245F02__S4__	24 × 96 × 3/4"	2.94
	8245F02__S5__	30 × 60 × 3/4"	2.94
	8245F02__S6__	30 × 30 × 3/4"	2.94

♦ When specifying or ordering, include the appropriate 2-digit perforation and 3-letter veneer suffix (e.g., 8245F01 W 2 S1 N W M)
NOTE: Springs and brackets are included with panels.

* FSC-certified wood is a premium option available through
ASQuote@armstrongceilings.com



PERFORMANCE

CleanAssure™ Disinfectable Panels		
Fog	Spray	Wipe
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•
•	•	•

Dots represent high
level of performance.

ACOUSTICAL INFORMATION

Perforation	Infill Panel Item No.	Description	NRC
W1	Unperforated		N/A
W2	Round Straight	8200T10 1713BL Fiberglass School Zone® Fine Fissured™	0.45 0.55
		2820BK 5823 Calla® 5479 BioAcoustic™ 1318 BioAcoustic Backstage Noir®	0.55 0.40 0.40 0.55
W3	Round Diagonal	8200T10 1713BL Fiberglass School Zone Fine Fissured	0.45 0.55
		2820BK 5823 Calla 5479 BioAcoustic 1318 BioAcoustic Backstage Noir	0.55 0.40 0.40 0.55
W4	Round Straight	8200T10 1713BL Fiberglass School Zone Fine Fissured	0.60 0.60
		2820BK 5823 Calla 5479 BioAcoustic 1318 BioAcoustic Backstage Noir	0.65 0.65 0.65 0.60
W5	Oval Straight	8200T10 1713BL Fiberglass School Zone Fine Fissured	0.50 0.50
		2820BK 5823 Calla 5479 BioAcoustic 1318 BioAcoustic Backstage Noir	0.55 0.45 0.45 0.55
W6	Oval Straight Slotted	8200T10 1713BL Fiberglass School Zone Fine Fissured	0.40 0.35
		2820BK 5823 Calla 5479 BioAcoustic 1318 BioAcoustic Backstage Noir	0.35 0.45 0.45 0.35

ACCESSORIES

	Item No. ♦♦	Description	Dimensions Nominal W × L × H (inches)	Color	PCS/CTN
Suspension Systems	7301BL	Prelude® XL* 12' HD Main Beam	15/16 × 144 × 1-11/16"	Black	20
	XL8320BL	Prelude XL 2' Cross Tee	15/16 × 144 × 1-11/16"	Black	60
	XL7379BL	Prelude 30" Cross Tee	1-11/16"	Black	60
	7800BL	12' Hemmed Angle Molding	7/8 × 144 × 7/8"	Black	30
Accessories	7100	Heavy-duty Wall Anchor (Seismic)	1-1/4 × 3 × 1"	Mill Finish	50
	7104	Double Saddle	N/A	N/A	25
	7232	Half Saddle	N/A	N/A	25
	7129	Removal Tool	N/A	N/A	1 each
	GC3WG90	3 Way Grid Clip – Required for 30" panel	N/A	N/A	250
	6091	Safety Cable – Required for any panels larger than 24" × 24"	N/A	N/A	50
Perimeter Trim	6481F01W1H6__	6" Veneered Trim with 4 Clips – Item 5925 (With Faux Wood Edgebanding on long edges)	6 × 96 × 3/4"	All Veneers	N/A
	6481F01W1H8__	8" Veneered Trim with 4 Clips – Item 5925 (With Faux Wood Edgebanding on long edges)	8 × 96 × 3/4"	All Veneers	N/A
	5925	Replacement Trim Clips	N/A	Mill Finish	25
	AX_VESTR__	Axiom® Vector Straight Trim – Recommend in Black 6" and up	N/A	Silver Grey, Black, Gun Metal	10 LF
	AX_VECUR__	Axiom Vector Curved Trim – Recommend in Black 6" and up	N/A	Silver Grey, Black, Gun Metal	10 LF
	6408__	WoodWorks Edgebanding Coordinating Faux Wood	3/4" × 300"	All Veneers	25 LF
FSC-certified Premium Trim*	6481F02W1H6__	6" Veneered Trim with 4 Clips – Item 5925 (With Faux Wood Edgebanding on long edges)	6 × 96 × 3/4"	All Veneers	N/A
	6481F02W1H8__	8" Veneered Trim with 4 Clips – Item 5925 (With Faux Wood Edgebanding on long edges)	8 × 96 × 3/4"	All Veneers	N/A

♦♦ When specifying or ordering, include the appropriate 3-letter veneer suffix (e.g., 6481F01W1H6 N W M)

NOTE: Saddles must be ordered separately. Refer to installation instructions at armstrongceilings.com/installation for a better understanding of suspension system requirements.

TechLine 877 276-7876

armstrongceilings.com/woodworks

Armstrong®
World Industries





WOODWORKS® Torsion Spring Concealed Suspension

RECYCLED
CONTENT

LEED V5

UP TO
80%

USDA
CERTIFIED
BIOBASED
PRODUCT
PRODUCT 100%

COMMON MATERIALS FRAMEWORK

Human Health

Climate Health

Ecosystem Health

EPD

EPD

Circular Economy

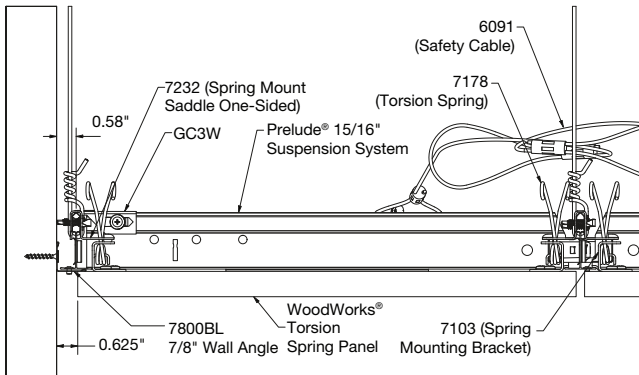
✓

OCCUPANT EXPERIENCE

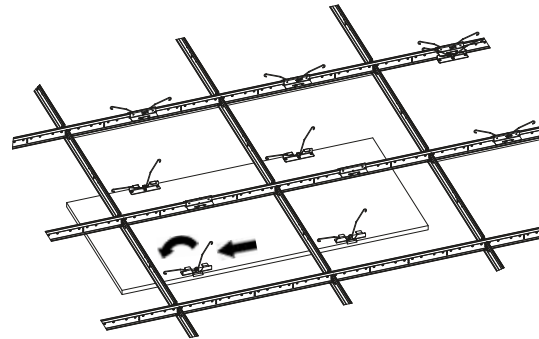
Acoustics

✓

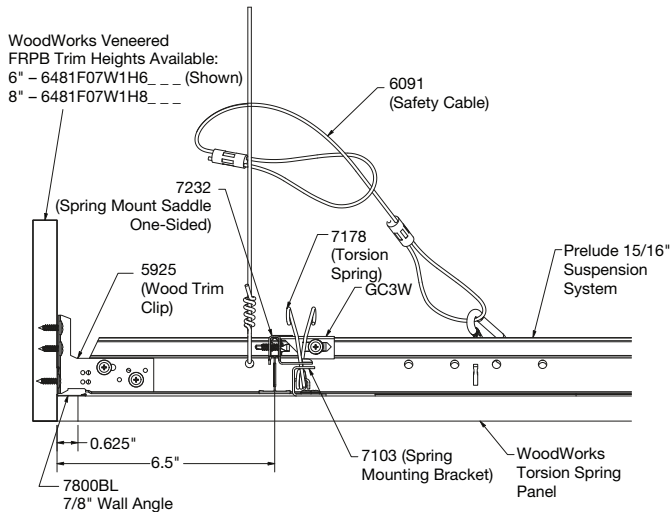
INSTALLATION DETAILS



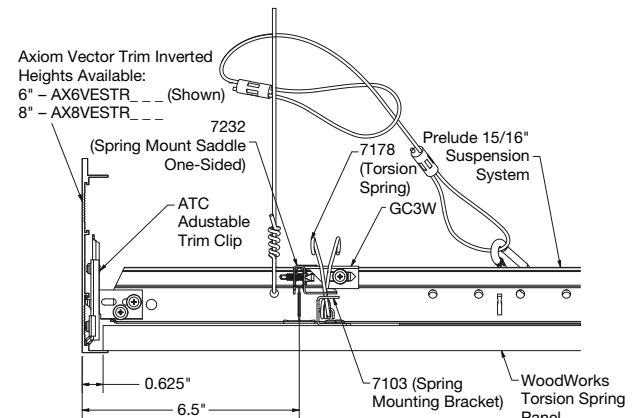
1 Wall Perimeter Detail



2 24" x 48" Panel Access Detail



3 Floating Perimeter Detail



4 Axiom® Trim Detail

PHYSICAL DATA

Material

Fire-rated particle board (FRPB) with real wood veneers.
Vertical Grain Fir (NVF) is FRPB with a reconstituted veneer.

Surface Finish

Clear or tinted semi-gloss coating.

Fire Performance

Class A: ASTM E84 surface burning characteristics.
Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics.

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.

ASTM E1264 Classification
Type XX; Pattern: Z; Class A

Design Considerations

Variation among panels may occur due to the natural characteristics of the wood and grain.

The borders of slotted perforated panels are not designed to align when mixing panels of varying sizes.

Application Considerations

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained.

Design & Pre-Construction Service

For complimentary design and pre-construction assistance, contact ProjectWorks® or visit armstrongceilings.com/projectworks

Specification Consideration

Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint

WoodWorks 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

Warranty

Warranty details at armstrongceilings.com/warranty

Weight

Refer to visual selection chart.
(Bulk packaged)

