CEILING&WALL SYSTEMS

WOODWORKS® Linear
Veneered Planks and Panels
Solid Wood Panels

- Three different ways to achieve a linear look
- Choose traditional planks, or fast, easy-to-install panels
- Unique, new tapered visual available on veneered panels
- FSC® Certified: products represent responsible production and consumption practices from the forest to the consumer
- Shorter lead times and lower cost than custom millwork
- Custom veneers and stain matching available

Armstrong®

WOODWORKS® Linear – Planks

Natural Variations™, Constants™, & Bamboo

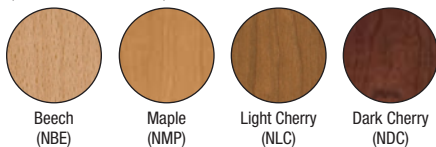## Additional Attributes of WoodWorks Linear Planks

- Standard wood plank in 2 widths; nominal 4-1/2" and 6" modules, with traditional 3/4" reveals
- Standard factory-applied acoustical fleece
- Install in the ceiling, on the wall, or create 90º angled or curved ceiling-to-wall transitions (one-foot minimum radius)
- Create upturns for continuous visuals and clouds with veneer-wrapped WoodWorks Trim
- Suspension system and planks from one manufacturer; improved for 30-50% faster installation
- California Air Resources Board (CARB) compliant
- 100% Biobased content certified by USDA BioPreferred® Products program (preferred for government projects)
- Class A Fire Resistance
- Custom veneers and stain matching available; for details, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4

WoodWorks Linear 8' x 3-3/4" in Custom Constants Light Cherry; Fox Lake District Library, Fox Lake, IL

WoodWorks Linear 3-3/4" Ceiling System in Natural Variations Maple; Custom Installation at NaviNet, Inc., Boston, MA

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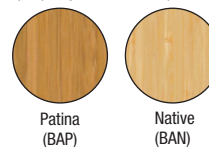Due to printing limitations, shade may vary from actual product.

Natural Variations
(Real Wood Veneers)

| Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC) |

Constants
(Real Wood Veneers)

| Maple (CMA) | Cherry (CCY) | Walnut (CWA) |

Bamboo
(Rapidly Renewable)

| Patina (BAP) | Native (BAN) |

You can also create beautiful curved looks with a faceted suspension system. Due to its non-standard suspension system, these S-Service items are ordered through Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4.

Cover Photo: WoodWorks Linear Ceiling System in Natural Variations Light Cherry; Fine Fissured™ Square Lay-in on Prelude® XL® suspension system; Side Street Inn, Honolulu, HI
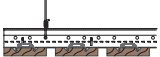
WOODWORKS® Linear – Planks

Natural Variations™, Constants™, & Bamboo

Linear Planks Visual Selection

Performance Selection Dots represent highest level of performance

Edge Profile	Item Number ◆	Dimensions	Acoustics NRC	Fire Rating
WOODWORKS Linear – Nominal 4-1/2" Module				
	6440W1_ _ _	8' x 3-3/4" x 3/4" with 3/4" reveal	0.50 0.65** ●	Class A
	6640W1_ _ _ (FSC®-certified)	8' x 3-3/4" x 3/4" with 3/4" reveal	0.50 0.65** ●	Class A
WOODWORKS Linear – Nominal 6" Module				
	6460W1 _ _ _	8' x 5-1/4" x 3/4" with 3/4" reveal	0.40 0.50**	Class A
	6660W1 _ _ _ (FSC-certified)	8' x 5-1/4" x 3/4" with 3/4" reveal	0.40 0.50**	Class A

◆ When specifying or ordering, please include the appropriate three-letter color suffix (e.g., 6460W1 N M P)

** Adding acoustical infill (item 8200100, 5479, or 5823) for 4-1/2" module increases the NRC to 0.65. Adding acoustical infill (8208100, 5479, 5823) for 6" module increases the NRC to 0.50.

Suspension System

Item Number	Description	Dimensions	Pieces/Carton
5370	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 4-1/2" modules	12' x 15/16" x 1-11/16"	10 (Approx. 240 SF/ctn installed with planks)
5371	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 6" modules	12' x 15/16" x 1-11/16"	10 (Approx. 240 SF/ctn installed with planks)

Note: For radiused applications, use standard panels and HD Linear Carriers faceted 12" on center with RC2BL clips.
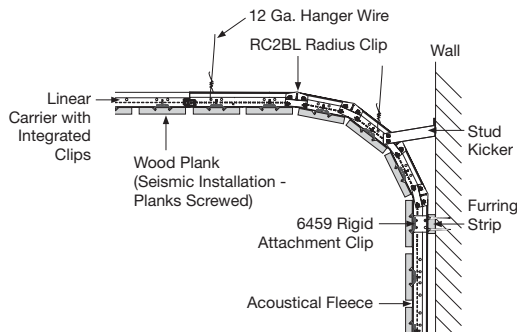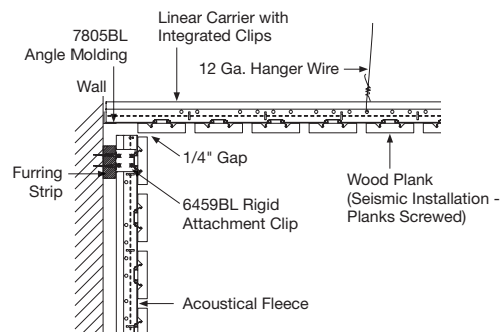
Ceiling-to-Wall Transitions

WoodWorks Linear 8' x 3-3/4" in Natural Variations Light Cherry; Ceiling-to-Wall Faceted Transition

WoodWorks Linear 8' x 3-3/4" in Natural Variations Light Cherry; Ceiling-to-Wall 90° Angle Transition

Faceted Ceiling-to-Wall System Assembly

90° Ceiling-to-Wall System Assembly

3

WOODWORKS® Linear – Planks
Natural Variations™, Constants™, & Bamboo

Accessories

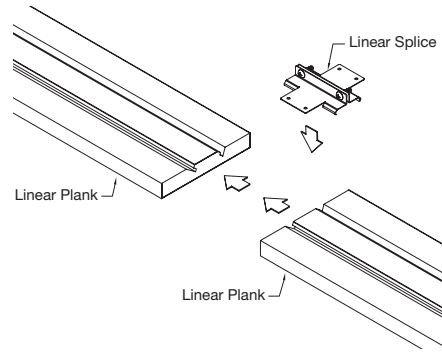| Item Number	Description	Dimensions	Pieces/Carton
5843	Linear Wood Panel Splice	—	100
5659W1 _ _ _ ♦	4" WoodWorks Trim (with aluminum substrate)	4" x 10'	6
5660W1 _ _ _ ♦	6" WoodWorks Trim (with aluminum substrate)	6" x 10'	6
5948	Linear and Channeled Trim Connector Clip	N/A	30
RC2BL	Radius Clip for faceted suspension system applications (Black)	—	205 pcs/bucket
7805BL**	10' Angle Molding (Tech Black)	10' x 1-1/2" x 1-1/2"	30
7823BL**	10' Shadow Molding (Tech Black)	10' x 2" x 1-1/4" x 3/4"	10
FXSPLICE	Splice Plate with Setscrews for Trim	N/A	10
6408_ _ _ ♦	3/4" Edge Banding (factory-applied available upon request)	3/4" x 25'	25 foot roll
6459BL	Rigid Attachment Clip (Black)	5-1/2" x 1-3/4"	25
92715A620	Self-tapping Screws (Black)	#2 x 3/4" Length	25
7891	12 Gauge Hanger Wire	12' Length	140
8200100	FIberglass Infill Bag (Black - Gloss)	2' x 2' x 1'	12
5479	BioAcoustic™ Infill Panel (Beige - Matte)	2' x 2' x 5/8"	12
5823	BioAcoustic Infill Panel (Black - Matte)	2' x 2' x 5/8"	12

♦ When specifying or ordering, include the appropriate three-letter color suffix that coordinates with your WoodWorks ceiling (e.g., 5659W1 B A P).

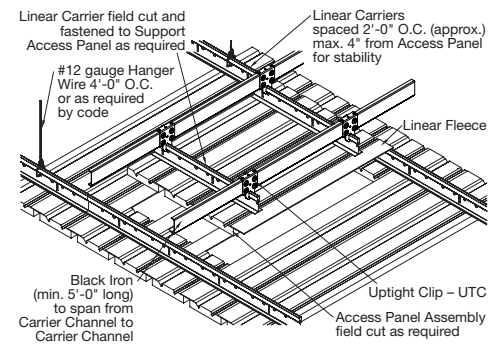** This color is a special order item with these moldings.

Linear Planks Accessory Details

1-1/2" x 1-1/2" Angle Molding (7805)

Ceiling Plane

Wall
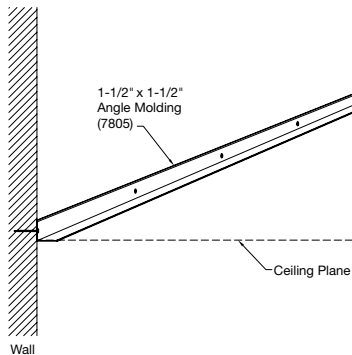
Angle Molding (Item 7805BL) Detail

Linear Splice

Linear Plank

Linear Plank

Linear Splice (Item FXSPLICE) Detail

Linear Carrier field cut and fastened to Support Access Panel as required

Linear Carriers spaced 2'-0" O.C. (approx.) max. 4" from Access Panel for stability

#12 gauge Hanger Wire 4'-0" O.C. or as required by code

Linear Fleece

Black Iron (min. 5'-0" long) to span from Carrier Channel to Carrier Channel

Uptight Clip – UTC

Access Panel Assembly field cut as required

Access Panel Assembly

Linear Planks Physical Data

Material
Fire retardant particle board with face-cut veneers. FSC®-certified fire retardant particle board with face-cut veneers (SW-COC-3601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfsc

Factory-applied black fleece on each plank to cover the reveal.

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Linear wood, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. 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
Composite – Fire Class A

Seismic Restraint
Linear wood has been engineered, tested, and approved in all seismic areas.

Design Consideration
WoodWorks Linear panels are edge banded on the long sides but unfinished on the short ends to make splicing the planks easier. Finished ends are available upon request.

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

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

Installation Considerations
Installation can use staggered, random joints for a monolithic appearance or consistent lengths for a modular style. For expansion, a 3/4" gap is recommended at every 24 foot run of plank. See installation instructions LA-297443 at armstrong.com/installation.

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.

Warranty
One (1) year limited warranty.
Details: armstrong.com/warranty

Weight/Square Feet
6440, 6640 – 2.88 lbs/SF
6460, 6660 – 2.89 lbs/SF
(Bulk packaged)

Additional Attributes of WoodWorks Linear Veneered Panels

- ■ Unique tapered planks or traditional wood planks in nominal 4" or 6" width
- ■ Create continuous looks and clouds with veneer-wrapped and painted aluminum trim
- ■ Hook-on panels (for standard 15/16" suspension) provide safe and secure downward accessibility
- ■ Complete standard system from one manufacturer (grid/panels/trim)
- ■ Factory edge banded for superior quality
- ■ California Air Resources Board (CARB) compliant
- ■ 100% Biobased content certified by USDA BioPreferred® Product program
- ■ BioAcoustic™ infill available for increased acoustical performance
- ■ Acoustical fleece available as an option
- ■ Class A Fire Resistance

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

Natural Variations
(Real Wood Veneers)

| Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC) |

Constants
(Real Wood Veneers)

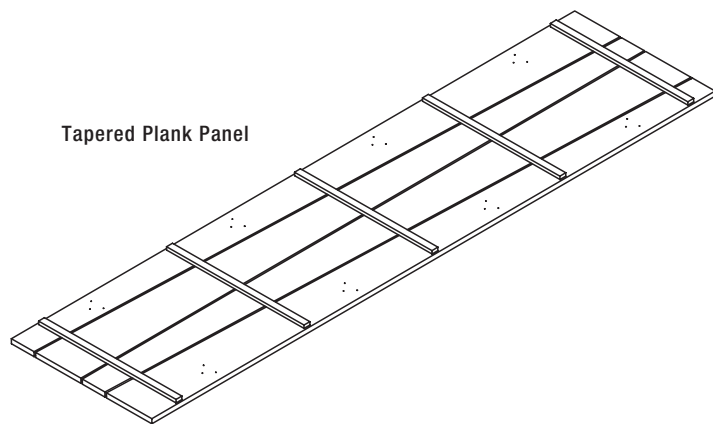| Maple (CMA) | Cherry (CCY) | Walnut (CWA) |

Bamboo
(Rapidly Renewable)

| Patina (BAP) | Native (BAN) |

WoodWorks Linear Veneer panels in tapered visual and Natural Variations Light Cherry finish.

Tapered Plank Panel

In addition to these standard options, there may be other sizes and veneers available. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select options 1-1-4.

WOODWORKS® Linear – Panels

Natural Variations™, Constants™, & Bamboo

Recycled Content: 86%

armstrong.com/greengenie

LEED® Credits

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Certified Wood*	Low Emitting*
		✓	✓	✓	✓	✓
		Location Dependent *			Options Available	
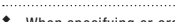
LEED for Schools

Acoustics	Low Emitting or CHPS
✓	✓

Colors

NV Beech (NBE)	NV Dark Cherry (NDC)	Constants Maple (CMA)
NV Maple (NMP)	Bamboo Patina (BAP)	Constants Cherry (CCY)
NV Light Cherry (NLC)	Bamboo Native (BAN)	Constants Walnut (CWA)

Visual Selection

Acoustical Performance
Dots represent highest level of acoustical performance

Edge Profile	Item Number◆	Description	Dimensions‡ Nominal W x L x H	NRC**	EXAMPLE:
FSC®-certified WOODWORKS Linear Veneered Panels					
3/4" Reveal	6690W1 _ _ _	Nominal 4" wide planks	2' x 8' x 3/4"	0.45	
1/4" Reveal	6691W1 _ _ _	Nominal 6" wide planks	2' x 8' x 3/4"	0.20	
	6692W1 _ _ _	Tapered planks	2' x 8' x 3/4"	0.20	

6690W1 NLC

Panel Dimension/Type: 2' x 8' Nominal 4" wide planks

Finish: Natural Variations Light Cherry

◆ When specifying or ordering, include the appropriate three-letter color suffixes.

For veneers, sizes, and perforation patterns available as special order, call 1 877 ARMSTRONG and select options 1-1-4.
To view more perforation information and build swatches in real time, visit armstrong.com/swatchit.

** NRC achieved with BioAcoustic™ infill (item 6657).

‡ Item 6690 – Features a total of 5 planks that are 4.05" wide with a 3/4" reveal between planks. Panels will have a 3/4" reveal on all sides and ends.
Item 6691 – Features a total of 4 planks that are 5.75" wide with a 3/4" reveal between planks. Panels will have a 3/4" reveal on all sides and ends.
Item 6692 – Features a total of 4 planks that are 3.833" at one end and 7.666" at the other with a 1/4" reveal between planks and 1/4" reveal on all sides and ends.

Suspension System

15/16" Standard: Prelude® BL (Tech Black)

Item Number	Description	Dimensions	Pieces/Carton
5986	T-Bar Hook†	Nominal 4" x 2" x 3"	50
91070A244	Wood Screws	5/8"	100
6091	Safety Cable	24" x 3/32"	50
SH12	Support Hanger	12' x 2"	12

† For 2' x 8' panel, install 8 hooks. Note: Three screws per hook.
Note: Refer to installation instructions at armstrong.com/installation for a better understanding of suspension requirements.

VW Concealed T-Bar Hook

XL7301BL 12' HD Main Beam
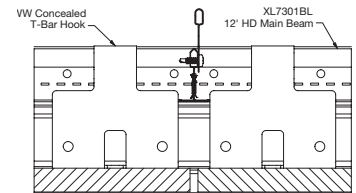
Installation Detail
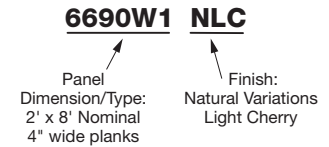
Accessories

Item Number	Description	Dimensions Nominal	Color	Pieces/Carton
6603W1_ _ _	WoodWorks Concealed Trim◆◆◆	6" x 10'	Standard Veneers (see above)	6
FXTBC	T-Bar Connector Clip	N/A	N/A	10
FX4SPLICE	Splice Plate with Setscrews	N/A	N/A	10
5823	BioAcoustic™ Infill Panel	2' x 2' x 5/8"	Black	12
6408_ _ _◆	Edge Banding	25' x 3/4"	Standard Veneers (see above)	1

◆ When specifying or ordering, include the two- or three-letter color suffix that coordinates with your WoodWorks ceiling (6408 N M P).
◆◆ Trim cartons include FXTBC Clips and FX4SPLICE Plates.

Linear Veneered Panels Physical Data

Material
FSC-certified fire retardant particle board with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrong.com/woodworksfsc

6603 - Face-cut veneer or black paint on aluminum laminate substrate

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Design Considerations
Cloud installations with total panel width less than 6' wide are not recommended.

Cloud installations with total panel length less than 16' wide cannot be done.

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

Use of large wood panels may result in deflection up to 1/8" and alignment inconsistency due to size and ambient conditions.

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 throughout the life of the product.

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 Installation
These systems have been engineered, tested, and meet the requirements for applications in Seismic Design Categories D, E, and F.

Warranty
One (1) year limited warranty. Details: armstrong.com/warranty

Weight/Square Feet
6690, 6691, 6692 – 2.75 lbs/SF; bulk packed per order.
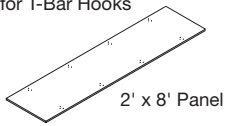Suspension, hardware, and accessories ordered separately.

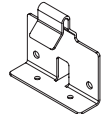# WOODWORKS® Linear – Panels

Natural Variations™, Constants™, & Bamboo

How to Install WoodWorks Linear Veneered Panels

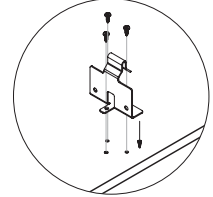**Step 1: Select Panel**

Pre-drilled holes
for T-Bar Hooks

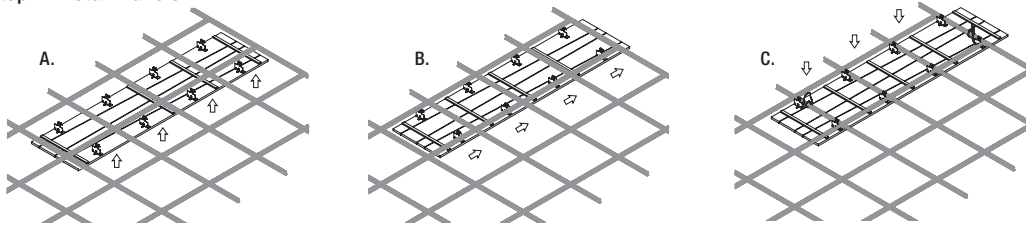2' x 8' Panel

Step 2: Order T-Bar Hooks and Screws Based on Panel Size

T-Bar Hook

Panel Size	Number of Hooks Needed	Number of Screws Needed*
2' x 8'	8	24
*3 screws per hook		

Step 3: Install Hooks on Panels

Step 4: Install Panels

A.

B.

C.

How to Install Trim

Step 1: Cut and Miter Trim

FXTBC Location

Flange that aligns T-Bar Hook

6"

Flange that aligns Panel Edge

Finished Standard Trim Length

120" nominal

8' Length Mitered on Both Ends

95-1/16"
95-13/16"
96-5/8"
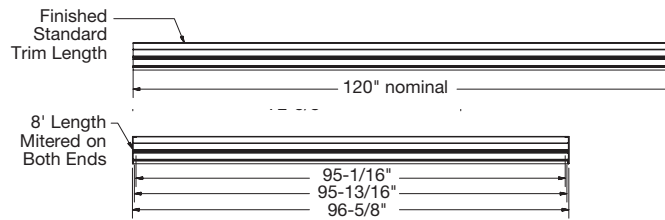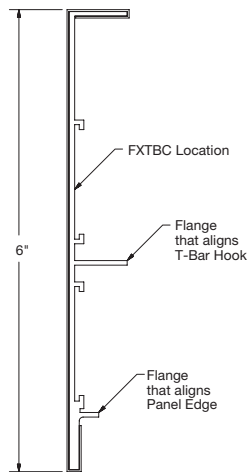
Step 2: Attach Clips to Ends of Main Beams and Cross Tees

XL7301BL 12' HD Main Beam

FXTBC T-Bar Connector Clip
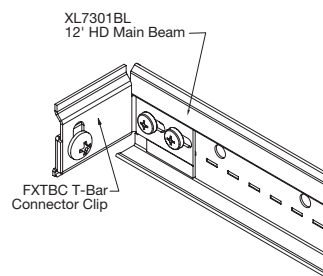
Step 3: Attach Trim to Clips

WW Concealed Trim

FXTBC T-Bar Connector Clip
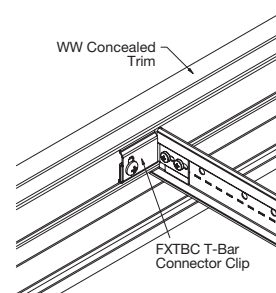
Step 4: Install Splice Plates

FX4SPLICE Splice Plate

Step 5: Install Panels

WW Concealed Trim

XL7301BL 12' HD Main Beam

FXTBC T-Bar Connector Clip

WW Concealed T-Bar Hook
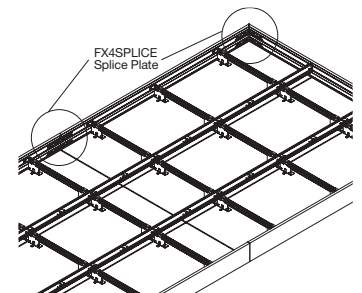
WOODWORKS® Linear – Solid Wood Panels
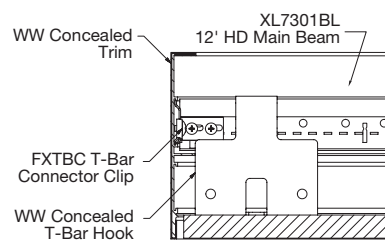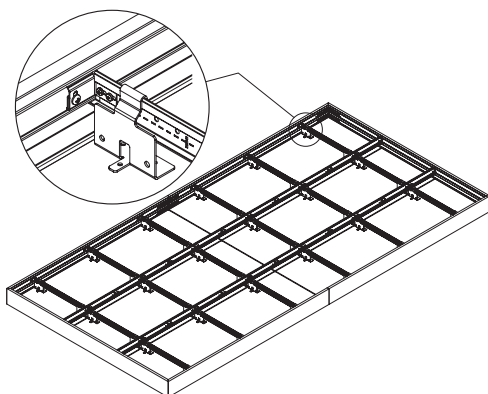
Additional Attributes of WoodWorks Linear Solid Wood Panels

- Two plank widths – nominal 3" and nominal 5" – in four rich finishes
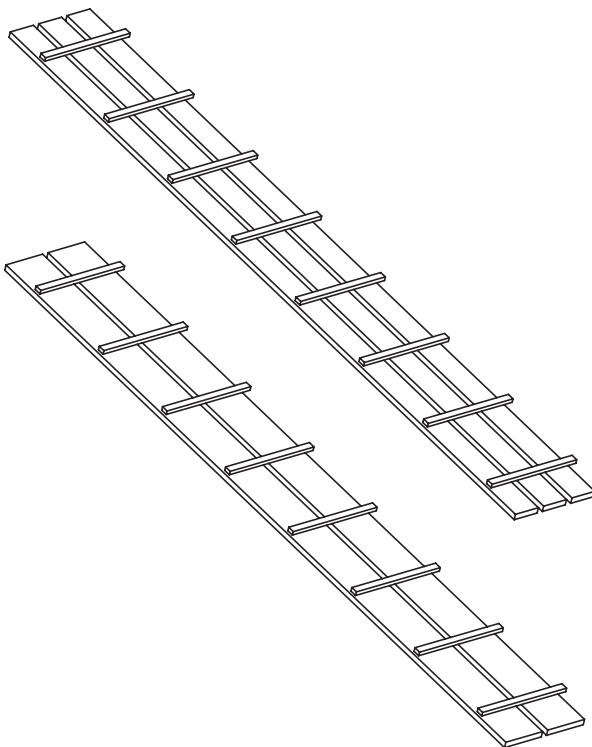- Fast, easy installation – screw into suspension system or install with backer clip
- Create continuous looks and clouds with solid wood trim
- Complete standard system from one manufacturer
- BioAcoustic™ infill available for increased acoustical performance
- Acoustical fleece available as an option

WoodWorks Linear Solid Wood panels in Grille Dark Cherry.

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

Grille
Maple
(GMP)

Grille
Light Cherry
(GLC)

Grille
Dark Cherry
(GDC)

Grille
Walnut
(GWN)

In addition to these standard options, there are more finish and size choices available as custom options. Contact the Armstrong Architectural Specialties project management team for details at 1 877 ARMSTRONG and select prompts 1-1-4.

WOODWORKS® Linear – Solid Wood Panels

LEED® Credits

Energy	Waste Mgmt	Recycled Content	Local Materials	Renewable Materials	Daylight & Views
			✔		

Location Dependent

LEED for Schools

Acoustics	Low Emitting or CHPS
✔	

Finishes
Grille Maple (GMP)   Grille Dark Cherry (GDC)
Grille Light Cherry (GLC)   Grille Walnut (GWN)

Visual Selection

Performance Selection
Dots represent highest level of performance.

Edge Profile	Item Number ◆	Description	Dimensions‡ Nominal W x L x H		Acoustics NRC*
WOODWORKS Linear Solid Wood Panels					
⬚	6693W1 _ _ _	Nominal 3" wide planks	1' x 8' x 3/4"	⬚	0.60
⬚	6694W1 _ _ _	Nominal 5" wide planks	1' x 8' x 3/4"	⬚	0.50

* NRC achieved with acoustical infill (Item 6657).

NOTE: For additional color and size options, or acoustical felt available as a custom option, call Architectural Specialties at 1 877 ARMSTRONG and select options 1-1-4.

** When specifying or ordering, include the three-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5671 G M P)

*   When specifying or ordering, include the appropriate three-letter color suffix.

‡ Item 6693 – Features a total of 3 planks that are 3.25" wide with a 3/4" reveal between planks. Panels will have a 3/4" reveal on sides.
  Item 6694 – Features a total of 2 planks that are 5.25" wide with a 3/4" reveal between planks. Panels will have a 3/4" reveal on sides.

Suspension Systems

15/16"	Prelude® XL® (Black recommended)

Wood is a natural product and will exhibit natural variations in color, grain, and texture, and knot holes of up to 1/2" in diameter.

Accessories

	Item Number	Description	Dimensions Nominal W x L x H	Color	Pieces/Carton
	7146 _ _ _ ◆	Solid Wood Trim	4" x 120" x 3/4"	See Finishes Above	Bulk
	5687†	Backer Clip	3/8" x 11/16" x 7/8"	N/A	250 pcs/pail
	5671 _ _ _ ◆	Ledger	1" x 96" x 1/4"	See Finishes Above	Bulk
	7891	12 Gauge Soft Hanger Wire	12' Length	N/A	140
	92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
	6657	BioAcoustic™ Infill Panel	11" x 4' x 5/8"	Black (Matte)	10

◆   When specifying or ordering, include the three-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5671 G M P)
†   Backer clip should only be used when installing panels with 3" wide nominal planks.

Linear Solid Wood Panels Physical Data

Material
Planks and Backers – Solid Poplar (yellow or hybrid)

Surface Finish
Clear or tinted semigloss coating

Fire Performance
Solid Hardwood Blades and Backers – ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

Class A intumescent treatment is available.

Fire performance will vary between wood species.

Composite Linear Solid Wood Panels product testing has not been completed, since results will vary on a project-by-project basis. Contact TechLine at 1 877 ARMSTRONG for details.

WoodWorks Linear Solid Wood Panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. 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.

Seismic Restraint
WoodWorks Linear Solid Wood Panels have been engineered, tested, and approved in all seismic areas.

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

Design 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.

Installation Consideration
System is designed to have a 1" gap between panels.

Backer clip can only be used for installations of the panel with 3" nominal planks (Item 6693)

Warranty
One (1) year limited warranty. Details: armstrong.com/warranty

Weight; Square Feet/Carton
6693 – 1.25 lbs/SF
6694 – 1.25 lbs/SF
(bulk packed)

Armstrong®