WOODWORKS® Linear
Veneered Planks, Panels, Solid Wood Panels

Inspiring Great Spaces™

Armstrong®
CEILING & WALL SYSTEMS

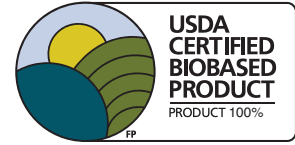# WOODWORKS® Linear
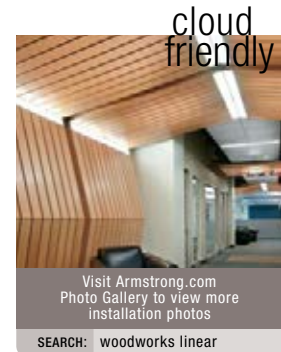## Veneered Panels

WoodWorks Linear 96" x 3-3/4" in Custom Constants Light Cherry; Fox Lake District Library, Fox Lake, IL
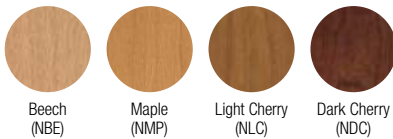
ADDITIONAL ATTRIBUTES OF WOODWORKS LINEAR PLANKS

- Standard wood plank in two 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

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 (Veneer is Rapidly Renewable)*

Patina (BAP)	Native (BAN)

Pictured on cover: WoodWorks Linear in Natural Variations Light Cherry;
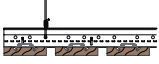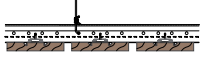Side Street Inn, Honolulu, HI

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.

* Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

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armstrong.com/woodworks

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Armstrong®

WOODWORKS® Linear
Veneered Panels

LINEAR PLANKS VISUAL SELECTION

PERFORMANCE

Edge Profile	Item Number ◆	Dimensions (Inches)	Acoustics NRC	Fire Rating
WOODWORKS Linear – Nominal 4-1/2" Module				
	6440W1_ _ _	96 x 3-3/4 x 3/4" with 3/4" reveal	0.50 0.65**	Class A
	6640W1_ _ _ (FSC®-certified)	96 x 3-3/4 x 3/4" with 3/4" reveal	0.50 0.65**	Class A
WOODWORKS Linear – Nominal 6" Module				
	6460W1 _ _ _	96 x 5-1/4 x 3/4" with 3/4" reveal	0.40 0.50**	Class A
	6660W1 _ _ _ (FSC-certified)	96 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 SYSTEMS

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5370	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 4-1/2" modules	144 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	144 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.
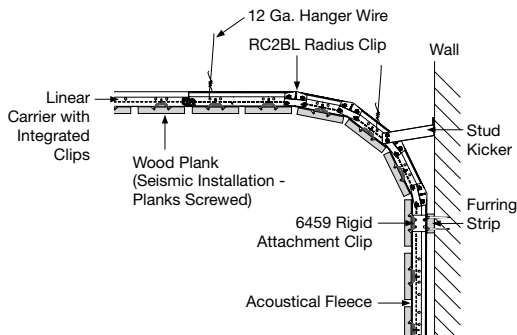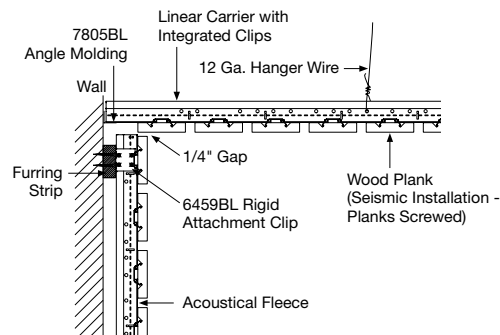
CEILING-TO-WALL TRANSITIONS

WoodWorks Linear 96" x 3-3/4 in Natural Variations™ Light Cherry; Ceiling-to-Wall Faceted Transition

WoodWorks Linear 96" x 3-3/4 in Natural Variations Light Cherry; Ceiling-to-Wall 90° Angle Transition

Faceted Ceiling-to-Wall System Assembly

90º Ceiling-to-Wall System Assembly

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WOODWORKS® Linear
Veneered Panels

ACCESSORIES

| Item Number	Description	Dimensions (Inches)	Pieces/Carton
5843	Linear Wood Panel Splice	—	100
5659W1 _ _ _ ◆	4" WoodWorks Trim (with aluminum substrate)	4 x 120"	6
5660W1 _ _ _ ◆	6" WoodWorks Trim (with aluminum substrate)	6 x 120"	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)	120 x 1-1/2 x 1-1/2"	30
7823BL**	10' Shadow Molding (Tech Black)	120 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 300"	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	144" Length	140
8200100	FIberglass Infill Bag (Black - Gloss)	24 x 24 x 12"	12
5479	BioAcoustic™ Infill Panel (Beige - Matte)	24 x 24 x 5/8"	12
5823	BioAcoustic Infill Panel (Black - Matte)	24 x 24 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)
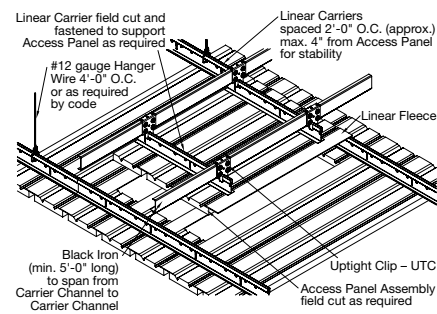
** This color is a special order item with these moldings.

ACCESSORY DETAILS
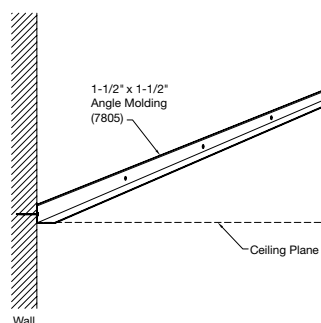
Angle Molding (Item 7805BL) Detail
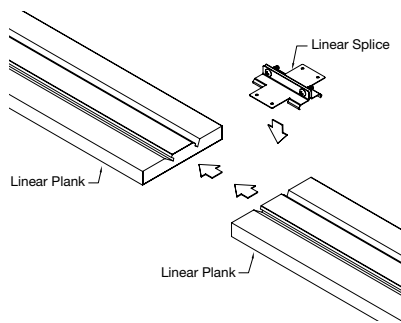
Linear Splice (Item FXSPLICE) Detail

Access Panel Assembly

FINISHES

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

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

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.

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.

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.

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 BPLA-297443 at armstrong.com/installation.

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

Warranty
Warranty details at armstrong.com/warranty

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

WOODWORKS® Linear
Veneered Panels

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

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 (suspension systems/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
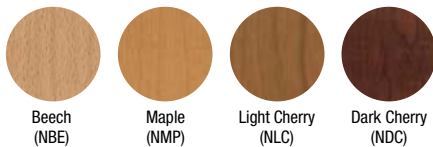- Class A Fire Resistance
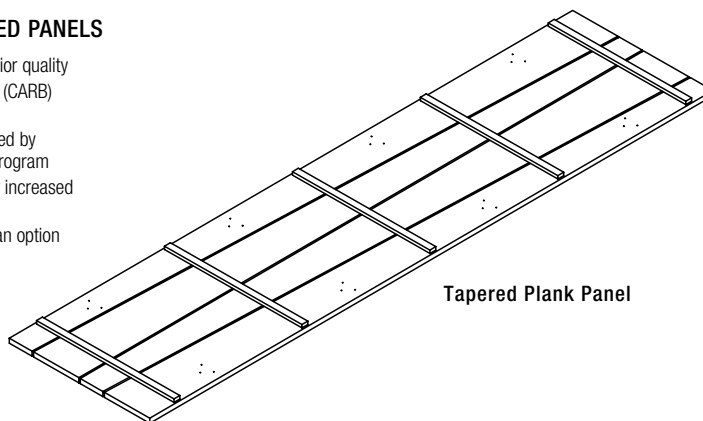
Tapered Plank Panel

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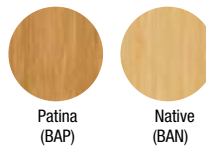Due to printing limitations, shade may vary from actual product.

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) |

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

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WOODWORKS® Linear
Panels

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item Number♦	Description	Dimensions‡ (Inches) Nominal W x L x H	NRC**
FSC®-certified WOODWORKS Linear Veneered Panels				
3/4" Reveal	6690W1 _ _ _	Nominal 4" wide planks	24 x 96 x 3/4"	0.45
1/4" Reveal	6691W1 _ _ _	Nominal 6" wide planks	24 x 96 x 3/4"	0.20
1/4" Reveal	6692W1 _ _ _	Tapered planks	24 x 96 x 3/4"	0.20

EXAMPLE:

6690W1 NLC

Panel Dimension/Type: 24" x 96" 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 1/4" reveal between planks. Panels will have a 1/4" reveal on all sides and ends.
  Item 6692 – Features a total of 4 planks that are 3.833" wide at one end and 7.666" wide at the other end with a 1/4" reveal between planks and 1/4" reveal on all sides and ends.

ACCESSORIES

Item Number	Description	Dimensions (Inches) Nominal	Color	Pieces/Carton
6603W1_ _ _♦	WoodWorks Concealed Trim♦♦	6 x 120"	Standard Veneers (see below)	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	24 x 24 x 5/8"	Black	12
6408_ _ _♦	Edge Banding	300 x 3/4"	Standard Veneers (see below)	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.

FINISHES

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

SUSPENSION SYSTEMS

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

Item Number	Description	Dimensions (Inches)	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	144 x 2"	12

† For a 24" x 96" panel, install eight 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
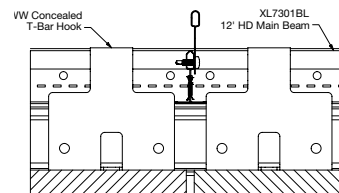
Installation Detail

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

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.

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.

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.
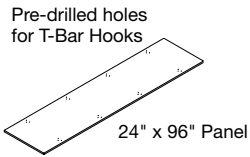
Warranty
Warranty details at armstrong.com/warranty

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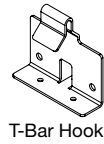Suspension, hardware, and accessories ordered separately.

WOODWORKS® Linear
Panels

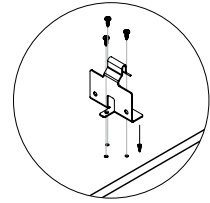## HOW TO INSTALL WOODWORKS LINEAR VENEERED PANELS

Step 1: Select Panel

Pre-drilled holes
for T-Bar Hooks

24" x 96" Panel

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

T-Bar Hook

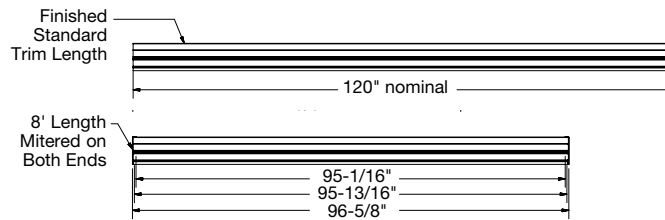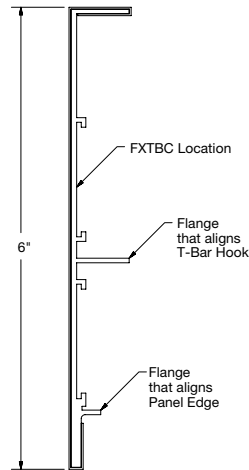| Panel Size	Number of Hooks Needed	Number of Screws Needed*
24 x 96"	8	24
*3 screws per hook		

Step 3: Install Hooks on Panels

Step 4: Install Panels

A.

B.

C.
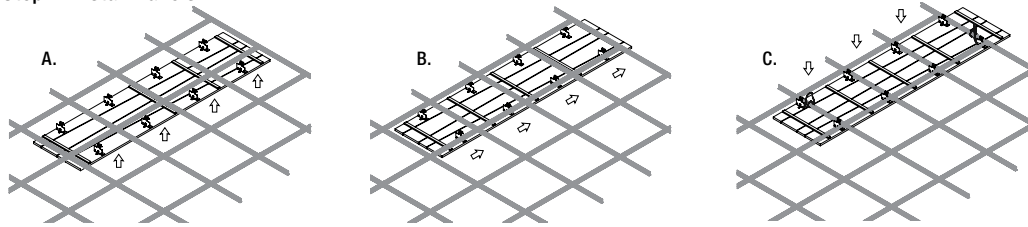
HOW TO INSTALL TRIM

Step 1: Cut and Miter Trim

6"

FXTBC Location

Flange that aligns T-Bar Hook

Flange that aligns Panel Edge

Finished Standard Trim Length

120" nominal
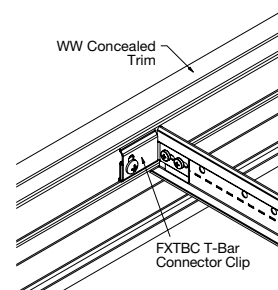
8' Length Mitered on Both Ends

95-1/16"
95-13/16"
96-5/8"

Step 5: Install Panels

Step 2: Attach Clips to Ends of Main Beams and Cross Tees

XL7301BL 12' HD Main Beam

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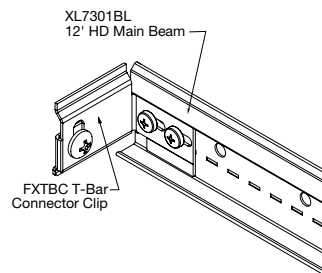
Step 3: Attach Trim to Clips

WW Concealed Trim

FXTBC T-Bar Connector Clip

Step 4: Install Splice Plates

FX4SPLICE Splice Plate

WW Concealed Trim

XL7301BL 12' HD Main Beam

FXTBC T-Bar Connector Clip

WW Concealed T-Bar Hook

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WOODWORKS® Linear
Solid Wood Panels

FSC
www.fsc.org
FSC® C007626
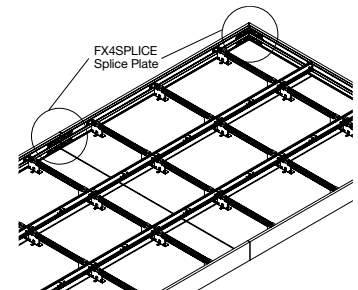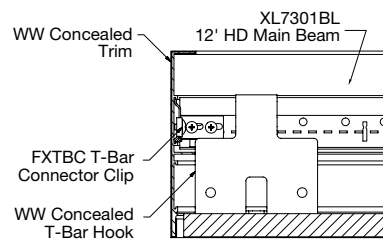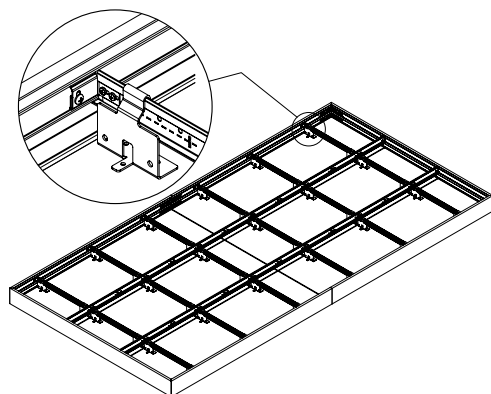
The mark of
responsible forestry

RAINFOREST ALLIANCE
CERTIFIED

WoodWorks Linear Solid Wood panels in Grille Dark Cherry

ADDITIONAL ATTRIBUTES OF WOODWORKS LINEAR SOLID WOOD PANELS

NEW

- Two plank widths – nominal 3" and nominal 5" – in four rich finishes and White
- 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

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

Natural Variations
(Real Wood Veneers)

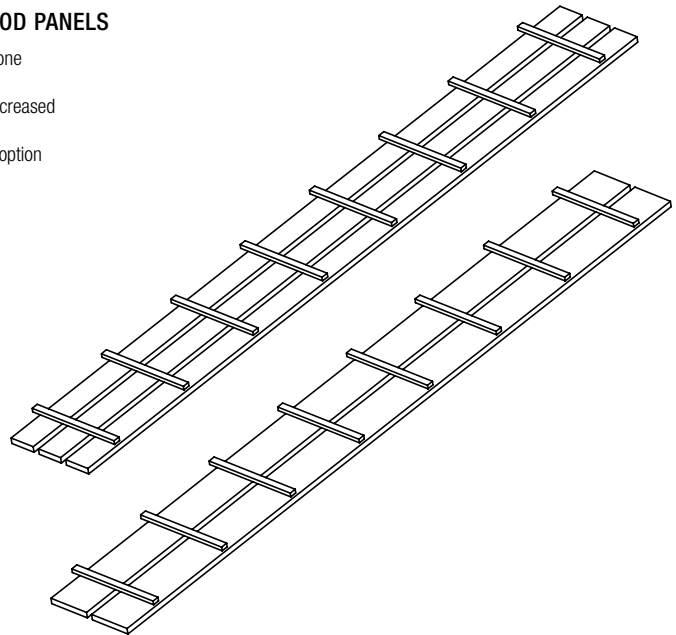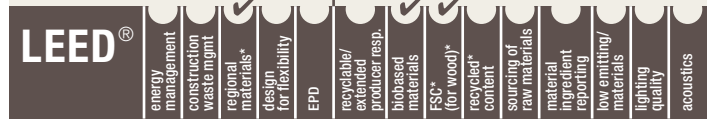| Grille White (GWH) | Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN) |

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

WOODWORKS

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WOODWORKS® Linear
Solid Wood Panels

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item Number ♦	Description	Dimensions‡ (Inches) Nominal W x L x H		Acoustics NRC*
WOODWORKS Linear Solid Wood Panels					
	6693W1 _ _ _	Nominal 3" wide planks	12 x 96 x 3/4"		0.60
	6694W1 _ _ _	Nominal 5" wide planks	12 x 96 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., 6693 G M P)

‡ 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.

ACCESSORIES

	Item Number	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/Carton
	7146 _ _ _ ♦	Solid Wood Trim	4 x 120 x 3/4"	See Finishes Below	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 Below	Bulk
	7891	12 Gauge Soft Hanger Wire	144" Length	N/A	140
	92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
	6657	BioAcoustic™ Infill Panel	11 x 48 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.

FINISHES

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

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.
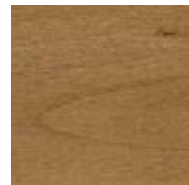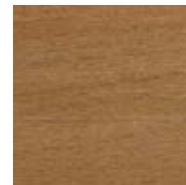
PHYSICAL DATA

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

Surface Finish
Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

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 for all finishes EXCEPT Grille White (GWH).

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.

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).

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

Warranty
Warranty details at armstrong.com/warranty

Weight; Square Feet/Carton
6693 – 1.25 lbs/SF
6694 – 1.25 lbs/SF
(Bulk packaged)

WOODWORKS

Armstrong®