

# FlexFrame Specification Guide



## Availability

**Electronic price list updated** with release 184.F (U.S.) and 148.F (Canada), dated June 19, 2017.

Spec News is available on [village.steelcase.com](http://village.steelcase.com). Search Steelcase Marketing Resources (Adstock) and download the current release's Spec News.

*Tip: Steelcase Marketing Resources is a new global platform for ordering Steelcase marketing materials that replaces Adstock.*

View or download Steelcase Specification Guides at <http://www.steelcase.com/en/resources/design/spec-guides/pages/specguides.aspx>.

Transitional products in this specification guide are **maintained for existing customers only** and are likely to be phased out over time. These products are indicated with a . Products that are scheduled to be culled are indicated with an , followed by the last order entry date.

## Surface Materials

**The surface materials team** has announced the launch of the Finish Library, found at <http://finishlibrary.steelcase.com>.

► For a list of all trademarks, refer to the last page of this specification guide.  
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### For Canadian Pricing

Canadian factor can be found at [steelcase.com/CADpricing](http://steelcase.com/CADpricing).

Calculate in the following order to avoid rounding errors:

- Multiply the base price and each option by the Canadian factor.
- Round each to the nearest dollar.
- Add base and options for total list price.

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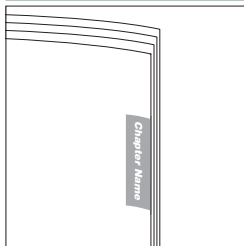
## Surface Materials

## Resources

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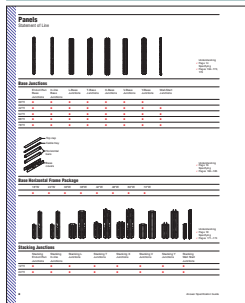
# Ten Tips: How to Get the Most Out of This Book

## Tip 1



**Watch** the tabs on the right-hand edges of the pages. They'll always indicate which chapter you are in.

## Tip 2



**Use the Statement of Line pages** for an overview of the available components, their sizes, and page references for additional information. Each *Understanding* chapter includes a statement of line after the table of contents.

## Tip 3



**Find cross references** by looking for page numbers flagged with an arrow.

## Tip 4

**Study the product detail pages** in the *Understanding* section to learn everything an expert knows about specific products. Each product detail page in this section contains the following features, where applicable:

- Product Drawing
- Actual Dimensions
- Product Details
- Connections
- Wiring and Cabling
- Surface Materials
- Application Topics

### Product Drawing

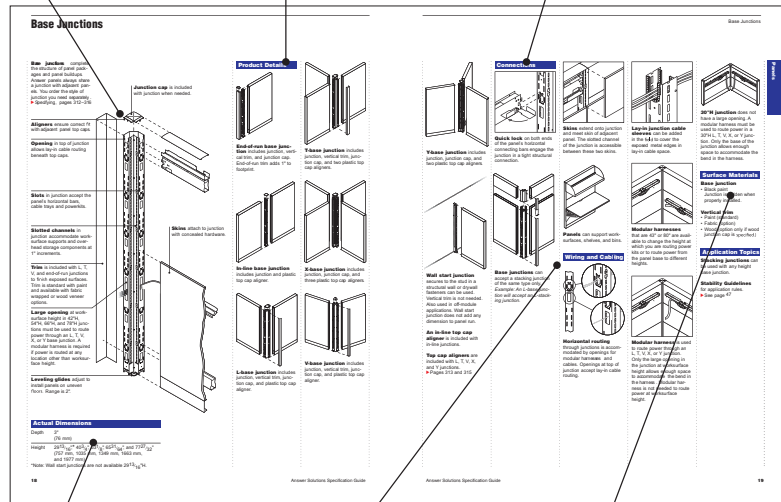
shows you what the product looks like and points out important features.

### Product Details

gives specific information on the product and how it is used.

### Connections

describes how the product is assembled or how it attaches to another product.



### Actual Dimensions

table lists the dimensions of the product.

### Wiring and Cabling

details the power and cable-management and cable routing capabilities of the product.

### Surface Materials

lists what material is used for each part of the product.



# Additional Resources

## FlexFrame products

are supported with informational materials, tools, and software to help you plan, specify, and order an installation efficiently.

**Many Steelcase wood products** are Cradle™ and/or Indoor Advantage™ certified.

## FSC CoC Certification

Steelcase Wood harvesting practices are just one of the steps in achieving Forest Stewardship Council Chain of Custody (FSC CoC) certification. FSC certified wood (veneer and core) is available on most Steelcase wood products through the Specials RFQ process.

## Environmental

Steelcase's proprietary Clarity ultraviolet (UV) water-borne finish is unique to the industry. In 2001, with the introduction of our first water-borne finish, we reduced our Volatile Organic Compounds by an estimated 91%. Since 2007, with virtually no emissions, the Clarity process protects the environment while providing exceptional durability and clarity.

## Product brochures and planning tools

can be ordered through your Steelcase area office by calling 1.800.784.0358 or through the Marketing Resources web site at [village.steelcase.com](http://village.steelcase.com).

**Planning Ideas** is your resource to help inspire, envision, and plan Steelcase wood solutions.

► See [www.steelcase.com](http://www.steelcase.com), resources, design center, planning ideas.

## Wood Solutions

**Interactive Tool** has everything you need to talk about wood solutions combined in one interactive tool. [www.steelcase.com/woodinteractive](http://www.steelcase.com/woodinteractive)

## Environmental Brochure

Brochure sharing the environmental story behind Steelcase wood solutions. Includes a timeline of our achievements to date and shares the story behind some of our larger accomplishments like the first LEED certified facility in the world and the recently planted Steelcase forest. Form number 09-0000201

## Product Brochures

### Steelcase Inc. Corporate Capabilities Brochure

This publication offers a concise overview of Steelcase including insights into the attitudes and commitments that make the corporation unique. In addition, the brochure provides an illustrated listing of all the products and services offered, and international activities are described. Form number 03-0003362

### Wood Overview Brochure

Overview of the Wood Solutions available from Steelcase. Includes images and high level bullet points on aesthetics, planning, performance, and environment. Form number 09-0000206

### Wood Solutions Catalog

Catalog including Walden, Garland, Elective Elements, Norfolk, and select Wood Seating products. The catalog provides images, renderings for each product with specifications and pricing, and an abbreviated statement of line. Form number 09-0000250

## Printed Materials

### Surface Materials Reference Manual

This publication provides:

- An explanation of the surface materials
- "Available on" matrices
- Surface material selection listing
- Technical data for surface materials
- Surface material care and cleaning instructions

### Hard Surfaces Card

The card provides an overview of:

- Finish levels
- An explanation of Flat Cut, Rift Cut and Quarter Cut
- Veneer lay-up techniques on exterior surfaces
- Wood finishes
- Certifications

Form number 09-0000483

### Specification Guides

The following specification guides contain products that complement FlexFrame:

### Elective Elements Specification Guide

### c:scape Specification Guide

### Wood Casegoods and Tables Specification Guide

### Seating Specification Guide

### Steelcase Worktools Specification Guide

### Integrated Technologies Specification Guide

## Computer Tools

### Electronic Catalog

Accurate sales quotations and purchase orders for Steelcase products are created with specification software that uses Steelcase Electronic Catalog data. Use the data to specify and price style numbers and options for every Steelcase product. The data is updated bimonthly by Steelcase and provided to software programs including: the Hedberg Business System, SmartTools — Steelcase's design and specification software (for more information on SmartTools, please email [SmartTools@steelcase.com](mailto:SmartTools@steelcase.com)), the ProjectMatrix ProjectSymbols libraries, as well as 20-20 CAP Studio.

### Furniture Symbol Graphic Data

Steelcase creates 2D and 3D furniture symbols (with attributes) for planning and initially specifying Steelcase products. This data is incorporated into several add-on software packages that work in either a Microstation or an AutoCAD drafting environment.

**Instructions for planning with FlexFrame** using AutoCAD are available on [village.steelcase.com](http://village.steelcase.com).

### Digital Publications

You can access these digital publications at [www.steelcase.com](http://www.steelcase.com) or [village.steelcase.com](http://village.steelcase.com).

## Support

### Steelcase Capabilities

Steelcase products are distributed, installed, and serviced through a network of more than 600 dealers worldwide. Steelcase is also represented with offices and corporate showrooms in 26 U.S. cities, 4 Canadian cities, and in France, Germany, Great Britain, and Japan. Every Steelcase product meets our exceptionally high standards of quality and durability and comes with the Steelcase assurance of excellence in service.

## For assistance, please

call your local dealer, the Steelcase Solutions Resource Team, or the Steelcase Solutions Fulfillment Team at 1.888.STEELCASE (1.888.783.3522) or send an e-mail to [lineone@steelcase.com](mailto:lineone@steelcase.com).

Call the Steelcase Solutions Resource Team prior to placing an order, when working on a bid, or when you need information about product applications and specifications.

Call the Steelcase Solutions Fulfillment Team if you have submitted an order to Steelcase and you need to speak to your Solutions Fulfillment Team Representative about the order. Also call if you have any post-shipment quality concerns or service parts questions.

For warranty information, please go to <http://www.steelcase.com/warranty/>.

Outside the U.S.A., Canada, Mexico, Puerto Rico, and the U.S. Virgin Islands, call 1.616.247.2500.

For information about Steelcase, the name of your nearest Steelcase dealer, or for product literature, call 1.800.333.9939 or visit our Web site: [www.steelcase.com](http://www.steelcase.com).

## Related Products

### Steelcase worktools

include a full line of ergonomically designed products that enhances and improves the work setting.

► For additional information, refer to *Steelcase Worktools Specification Guide* or contact Steelcase at 1.888.STEELCASE (1.888.783.3522) or send an email to [lineone@steelcase.com](mailto:lineone@steelcase.com).



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# Understanding FlexFrame

## Application Topics

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## Product Details

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# FlexFrame General Overview

**FlexFrame** is a wall mounted, frame based, reconfigurable system of storage, skins, and technology components.

**FlexFrame workwalls** maximize storage, make information accessible, and connect people with technology.

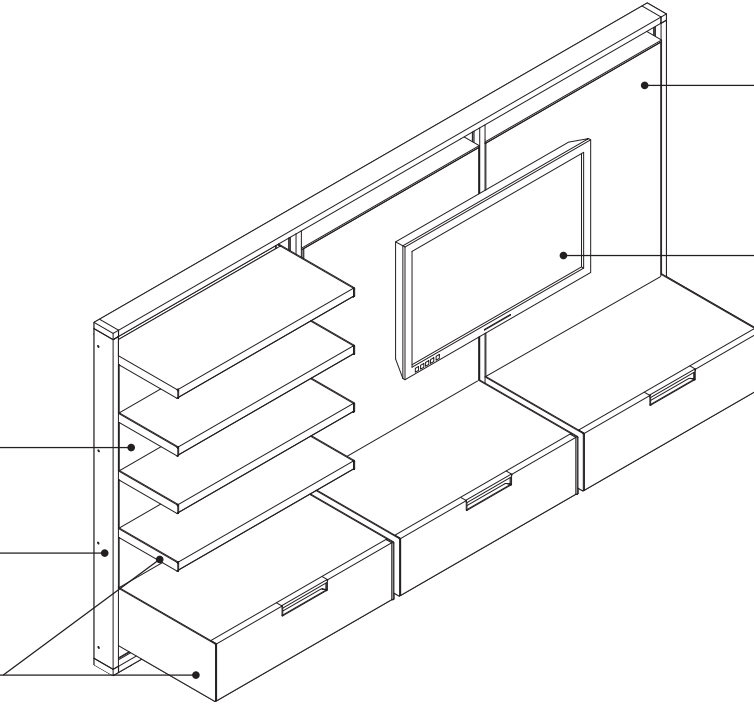
**FlexFrame workwalls** are designed to blend with a variety of product lines to create complete applications.

**FlexFrame workwalls** create high performance private offices, collaborative spaces, project rooms, media walls, and more.

**FlexFrame workwalls** are designed to be applied with or without skins.

**Frames** come in a variety of heights and widths and can be divided into 24", 30", and 36"W sections.

**Shelves, bins, and drawers** are available in wood and Low-Pressure Laminate.



**Skins** are available in wood, Low-Pressure Laminate, fabric, and glass.

**FlexFrame workwalls** integrate technology with wire management, power and data distribution, and attachment of monitors.

# Building Wall Requirements and Workwall Weight Capacity

Building Wall  
Requirements and  
Workwall Weight Capacity

**CAUTION!** Adequate wall construction is required to support the weight of the loaded Workwall.

## Building Wall Requirements

### Structural

When mounting workwall frames to hollow wall construction the following conditions must be met:

- Drywall must be at least  $\frac{5}{8}$ " thick and attached securely to studs with screws
- Studs must be at least 26 gauge or thicker for metal
- Studs must be spaced 24" on center maximum

Secure workwall frame directly to wall using customer supplied  $\frac{1}{4}$ " diameter Toggler brand (or equivalent) hollow wall fasteners with bolts per manufacturer's recommendations.

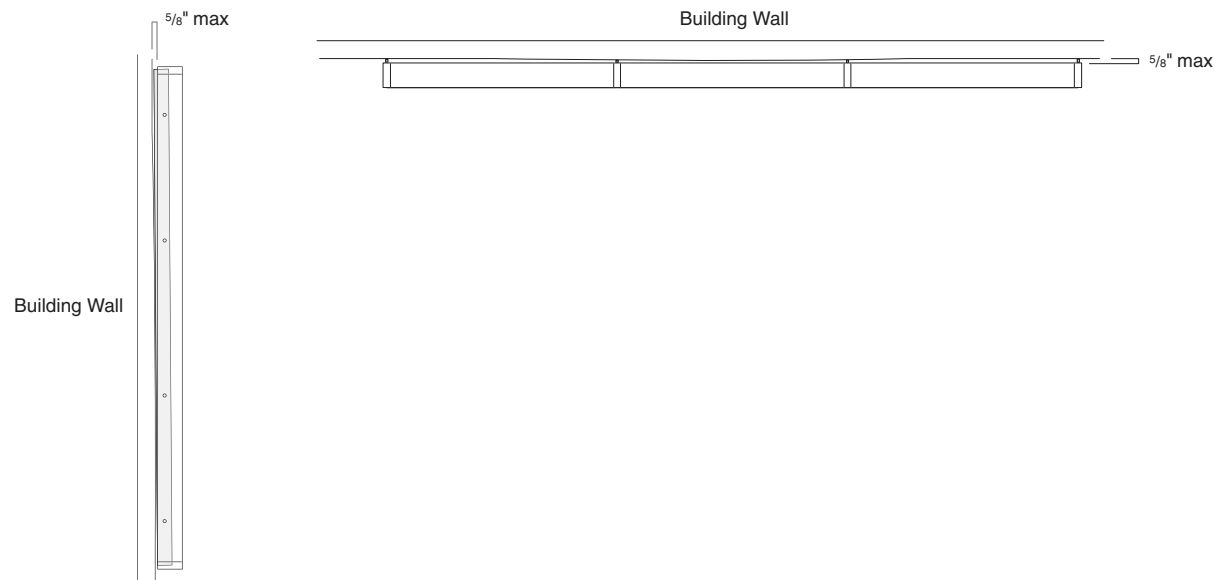
Building walls require additional reinforcement when a  $22\frac{5}{8}$ " workwall frame is used to support:

- Bins
- 19"D double shelves
- More than one 19"D single shelf in any section
- One 19"D single shelf and two  $12\frac{3}{4}$ "D shelves in any section

FlexFrame workwalls cannot attach to Privacy Wall.

### Flatness

Workwalls look and work best when attached to building walls that are flat and plumb. Workwall frames except,  $22\frac{5}{8}$ "H frames, can be adjusted up to maximum of  $\frac{5}{8}$ " to accommodate wall conditions. When adjusted away from building wall, the wall attachment strip will be visible between the building wall and the back edge of the vertical frame pieces, and a space will be present between the horizontal frame pieces and the building wall.



### Other Building Wall Considerations

Consider the location of moldings, HVAC, electrical outlets, switches, and other building features when planning workwall locations.

## Workwall Weight Capacity

Shelves and bins can hold up to 200 pounds each.

When all building wall requirements above are met, maximum weight capacity per section is as follows:

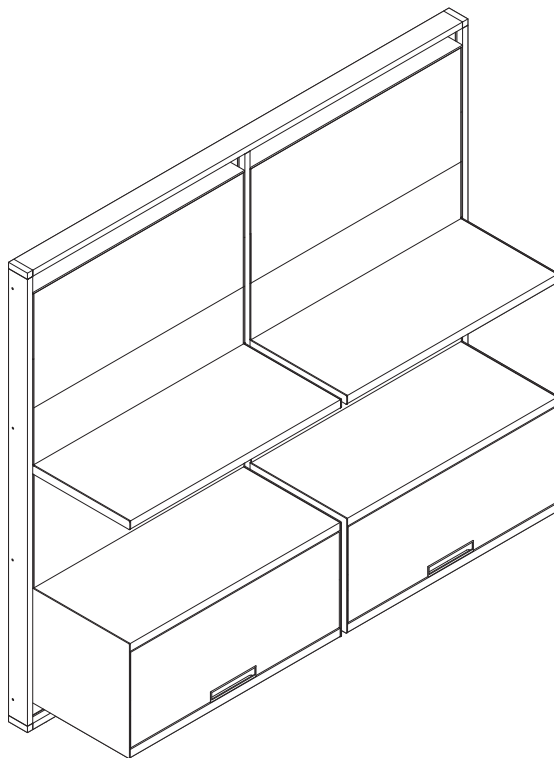
- $22\frac{5}{8}$ "H workwall — 300 pounds per section
- $47\frac{15}{16}$ "H workwall — 450 pounds per section
- $64\frac{7}{16}$ "H workwall — 600 pounds per section
- $80\frac{15}{16}$ "H workwall — 700 pounds per section

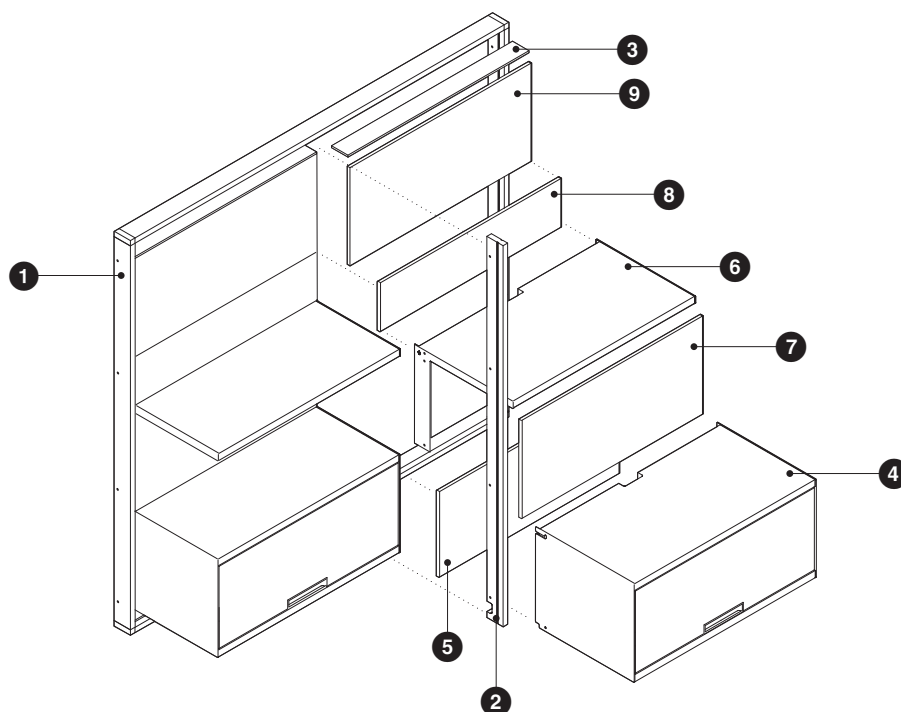
A structural or building engineer should be consulted when approaching any of the upper limits outlined above or when attaching a workwall to a building wall of a construction type other than hollow wall construction.

# Thought Starters and Applications

## Workwall Storage With Skins

**647/16"H workwall with tackable fabric skins** and a mix of open and closed storage is ideal for project rooms and team spaces.



**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

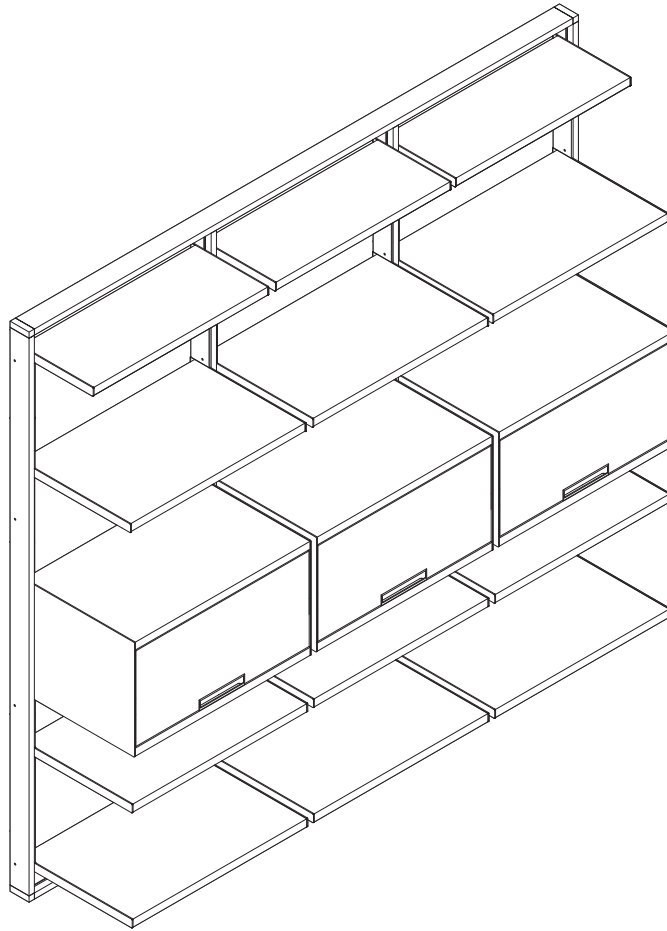
► See page 1 for details.

**Workwall Storage With Skins****Recommended Components**

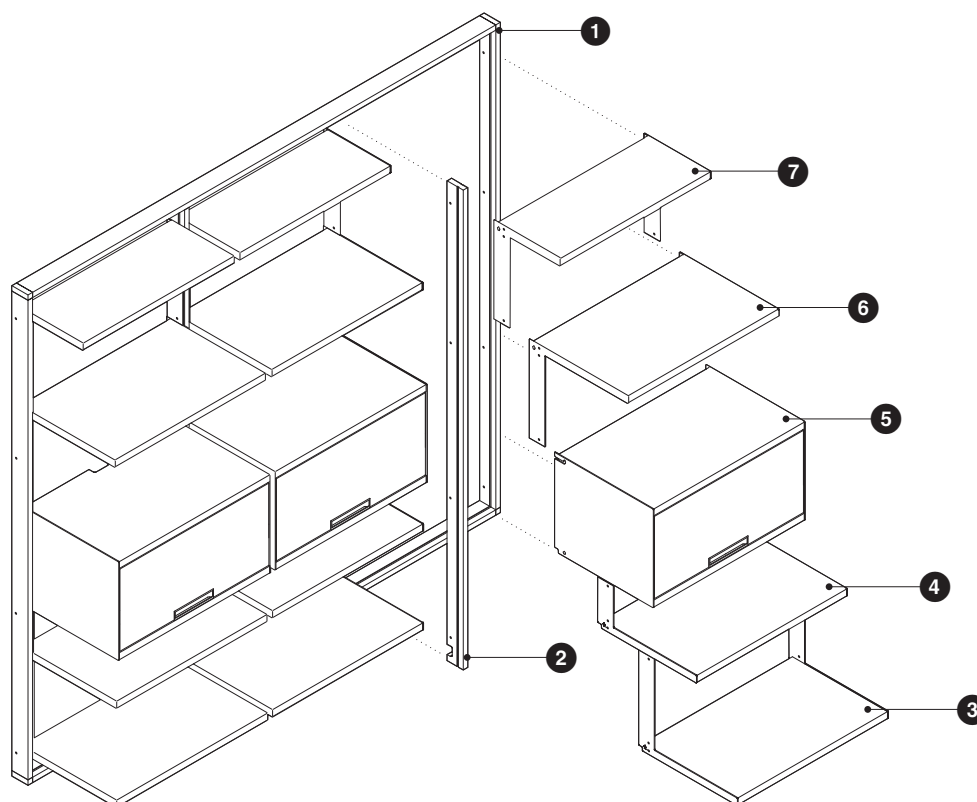
	Quantity	Style Number	Description	U.S. List Price	Total
1	1	FFPF6472	Workwall Perimeter Frame — 64 <sup>7</sup> / <sub>16</sub> "H x 72 <sup>7</sup> / <sub>8</sub> "W	\$1160	\$1160
2	1	FFVF63	Workwall Inner Vertical Frame Piece — 63 <sup>7</sup> / <sub>16</sub> "H	\$ 439	\$ 439
3	2	FFAT35	Top Cap — 35 <sup>1</sup> / <sub>16</sub> "W	\$ 93	\$ 186
4	2	FFSH193516B	Wood Bin — 19"D x 35 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$1469	\$2938
5	2	FFKB3414	Wood Skin for Bin — 34 <sup>1</sup> / <sub>16</sub> "W x 14"H	\$ 349	\$ 698
6	2	FFSH193516U	Wood Single Upper Shelf — 19"D x 35 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 457	\$ 914
7	2	FFKS3415	Wood Skin for Single Upper Shelf — 19"D x 34 <sup>1</sup> / <sub>16</sub> "W x 15 <sup>1</sup> / <sub>4</sub> "H	\$ 349	\$ 698
8	2	FFKK358	Fabric Skin — 35 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 235	\$ 470
9	2	FFKK3516	Fabric Skin — 35 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 259	\$ 518
					\$8021

## Workwall Storage Without Skins

**80<sup>15</sup>/<sub>16</sub>" H workwall without skins** maximizes storage space for binders, paper, boxes, and other objects.





**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

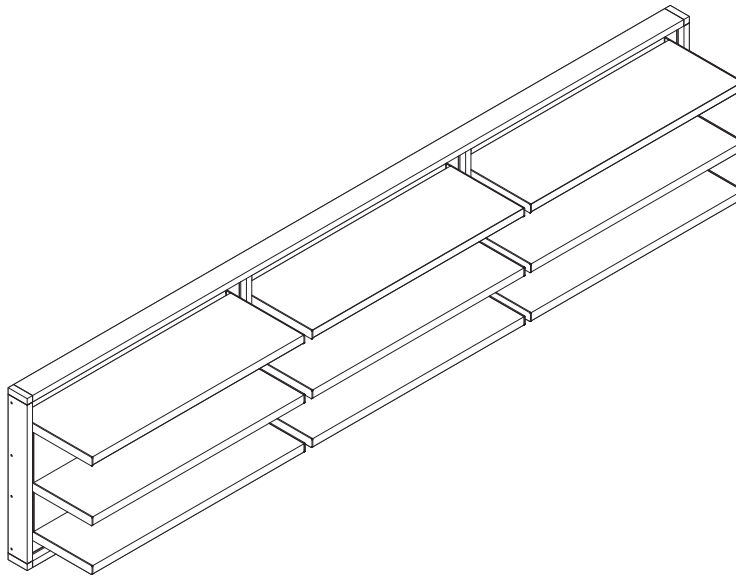
► See page 1 for details.

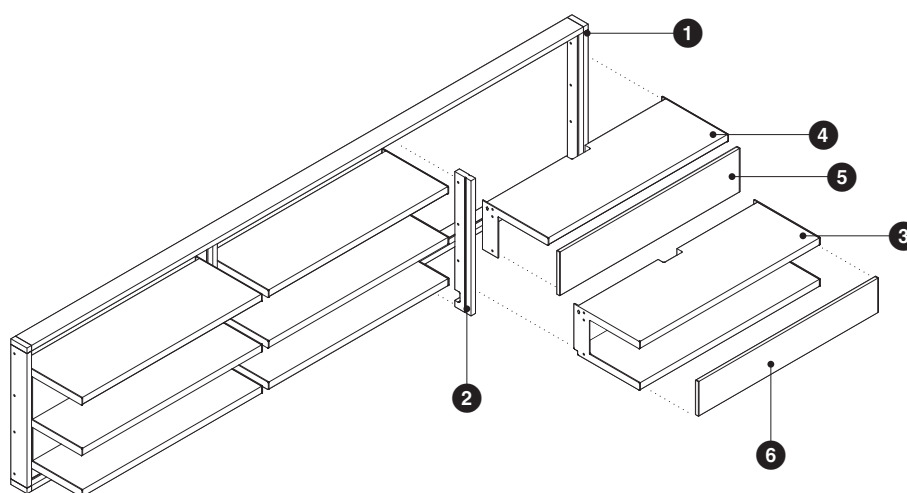
**Workwall Storage Without Skins****Recommended Components**

	Quantity	Style Number	Description	Workwall with Wood Storage		Workwall with Laminate Storage	
				U.S. List Price	Total	U.S. List Price	Total
1	1	<b>FFPF8090</b>	Workwall Perimeter Frame — 80 <sup>15</sup> / <sub>16</sub> "H x 90 <sup>7</sup> / <sub>8</sub> "W	\$1382	\$ 1382	\$1382	\$1382
2	2	<b>FFVF79</b>	Workwall Inner Vertical Frame Piece — 79 <sup>15</sup> / <sub>16</sub> "H	\$ 527	\$ 1054	\$ 527	\$1054
3	3	<b>FFSH192916W</b>	Lower Single Shelf — 19"D x 29 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 439	\$ 1317	\$ 307	\$ 921
4	3	<b>FFSH19298W</b>	Lower Single Shelf — 19"D x 29 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 410	\$ 1230	\$ 287	\$ 861
5	3	<b>FFSH192916B</b>	Bin — 19"D x 29 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$1433	\$ 4299	\$1001	\$3003
6	3	<b>FFSH192916U</b>	Upper Single Shelf — 19"D x 29 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 439	\$ 1317	\$ 307	\$ 921
7	3	<b>FFSH122916U</b>	Upper Single Shelf — 12 <sup>3</sup> / <sub>4</sub> "D x 29 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 380	\$ 1140	\$ 265	\$ 795
				\$11,739		\$8937	

## Workwall Open Shelves

**22<sup>5</sup>/<sub>8</sub>" H workwall** provides piling and display space.



**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

► See page 1 for details.

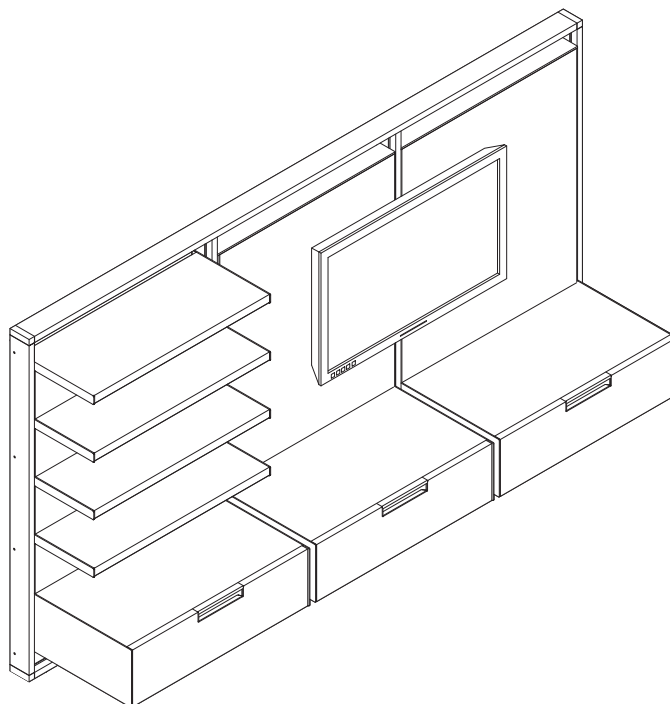
**Workwall Open Shelves****Recommended Components**

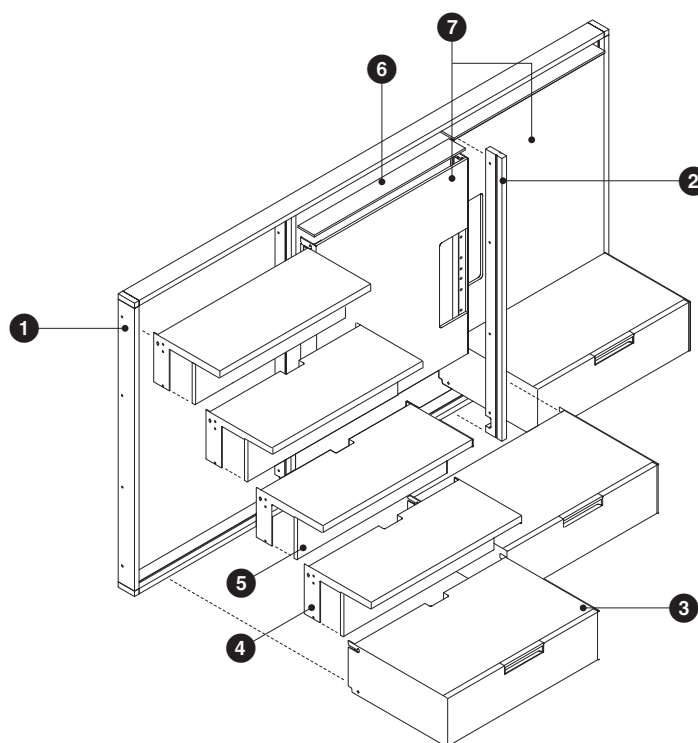
	Quantity	Style Number	Description	Wood Shelves And Skins		Laminate Shelves And Skins	
				U.S. List Price	Total	U.S. List Price	Total
1	1	<b>FFPF22108</b>	Workwall Perimeter Frame — 22 <sup>5</sup> / <sub>8</sub> "H x 108 <sup>7</sup> / <sub>8</sub> "W	\$1024	\$1024	\$1024	\$1024
2	2	<b>FFVF21</b>	Workwall Inner Vertical Frame Piece — 21 <sup>9</sup> / <sub>16</sub> "H	\$ 282	\$ 564	\$ 282	\$ 564
3	3	<b>FFSH12358C</b>	Double Shelf — 12 <sup>3</sup> / <sub>4</sub> "D x 35 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 708	\$2124	\$ 495	\$1485
4	3	<b>FFSH12358U</b>	Upper Single Shelf — 12 <sup>3</sup> / <sub>4</sub> "D x 35 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 370	\$1110	\$ 258	\$ 774
5	3	<b>FFKS347</b>	Skin for Upper Single Shelf — 34 <sup>11</sup> / <sub>16</sub> "W x 7"H	\$ 313	\$ 939	\$ 204	\$ 612
6	3	<b>FFKD345</b>	Skin for Double Shelf — 34 <sup>11</sup> / <sub>16</sub> "W x 5 <sup>3</sup> / <sub>4</sub> "H	\$ 313	\$ 939	\$ 204	\$ 612
				\$6700		\$5071	

## Workwall Media Wall

### 47<sup>15</sup>/<sub>16</sub>"H workwall

integrates technology for  
informal collaborative spaces.



**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

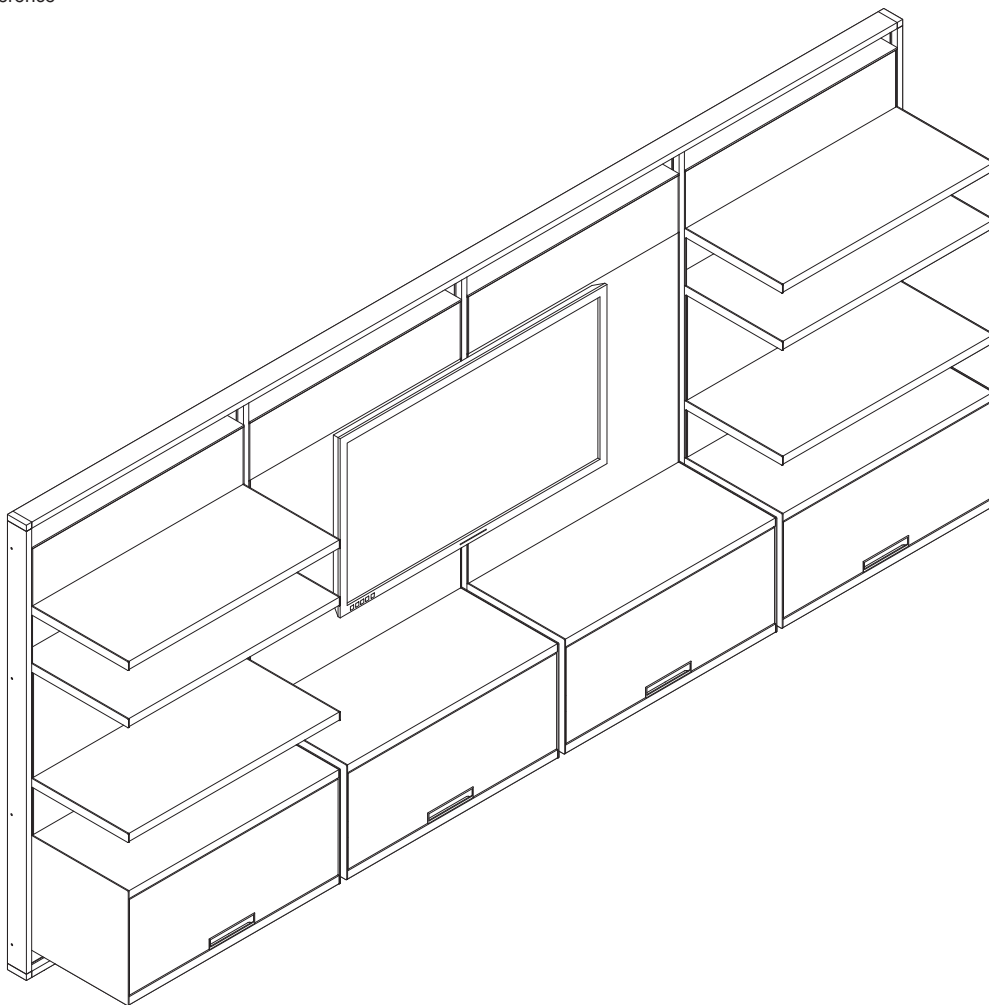
► See page 1 for details.

**Workwall Media Wall****Recommended Components**

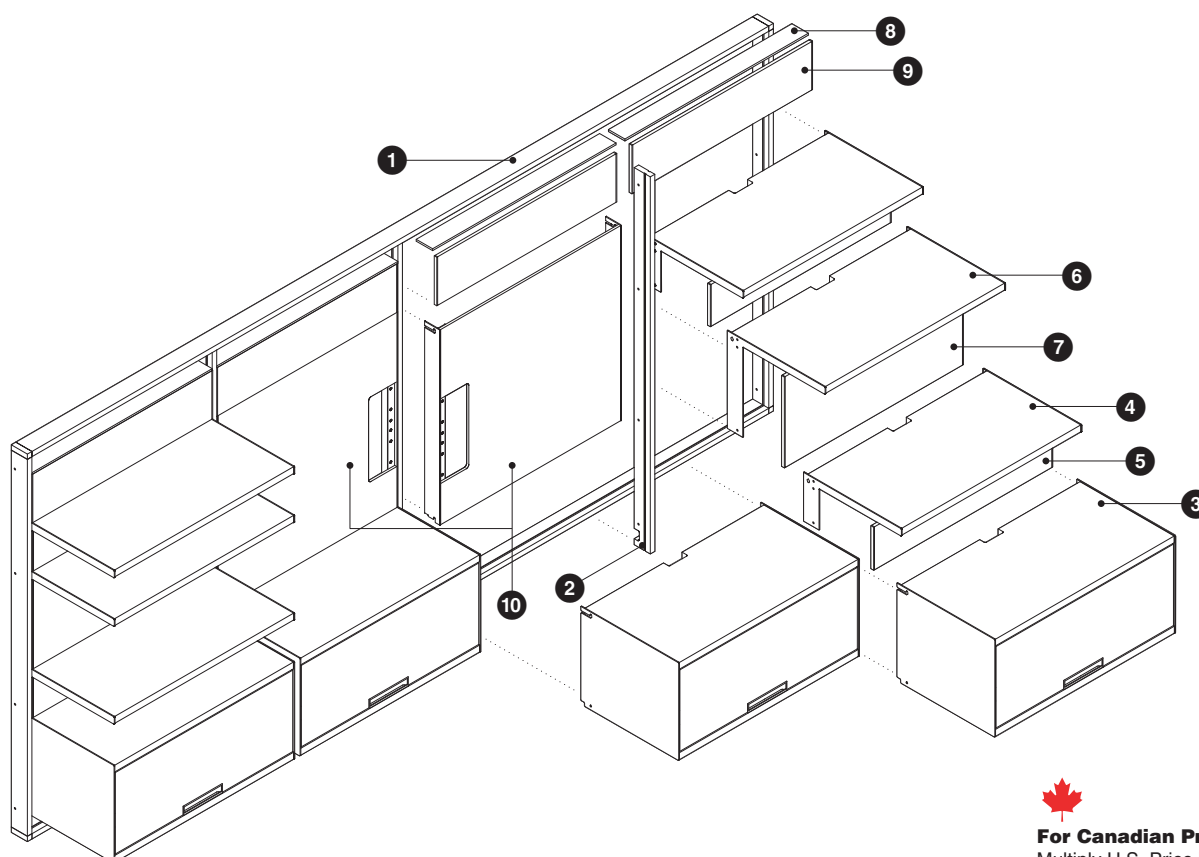
	Quantity	Style Number	Description	Wood Shelves And Skins		Laminate Shelves And Skins	
				U.S. List Price	Total	U.S. List Price	Total
1	1	<b>FFPF4790</b>	Workwall Perimeter Frame Assembly — 47 <sup>15</sup> / <sub>16</sub> "H x 907 <sup>8</sup> / <sub>8</sub> "W	\$1077	\$1077	\$1077	\$1077
2	2	<b>FFVF46</b>	Workwall Inner Vertical Frame Piece — 46 <sup>15</sup> / <sub>16</sub> "H	\$ 351	\$ 702	\$ 351	\$ 702
3	3	<b>FFSH19298D</b>	Drawer — 19"D x 29 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 907	\$2721	\$ 635	\$1905
4	4	<b>FFSH12298U</b>	Upper Single Shelf — 12 <sup>3</sup> / <sub>4</sub> "D x 29 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 351	\$1404	\$ 244	\$ 976
5	4	<b>FFKS287</b>	Wood Skin for 8 <sup>1</sup> / <sub>4</sub> "H Single Shelf — 28 <sup>11</sup> / <sub>16</sub> "W x 7"H	\$ 301	\$1204	\$ 196	\$ 784
6	2	<b>FFAT29</b>	Top Cap — 29 <sup>1</sup> / <sub>16</sub> "W	\$ 88	\$ 176	\$ 88	\$ 176
7	1	<b>FFKT2933S</b>	Fabric Skin Pair For TV Attachment, Spanning Application — 29 <sup>1</sup> / <sub>16</sub> "W x 33"H	\$ 662	\$ 662	\$ 662	\$ 662
				\$7946		\$6282	

## Workwall Conference Space

**647/16"H workwall** provides technology support, storage, and display for conference rooms.





**For Canadian Pricing**Multiply U.S. Price by the  
Canadian price factor.

► See page 1 for details.

**Workwall Conference Space****Recommended Components**

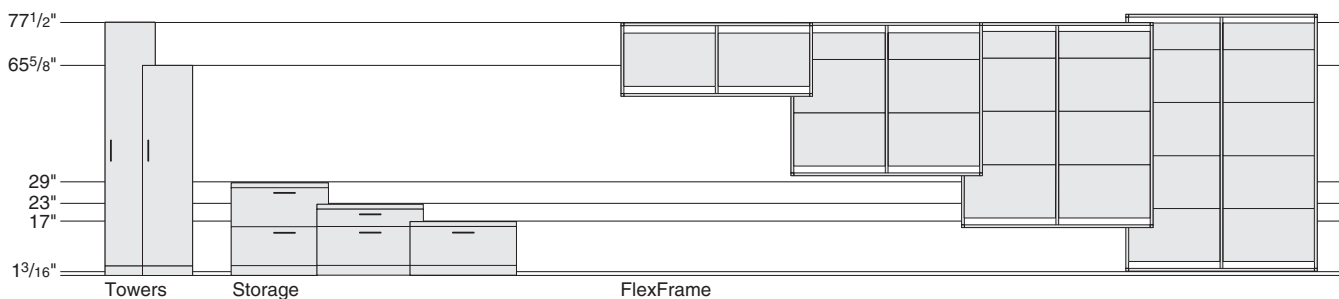
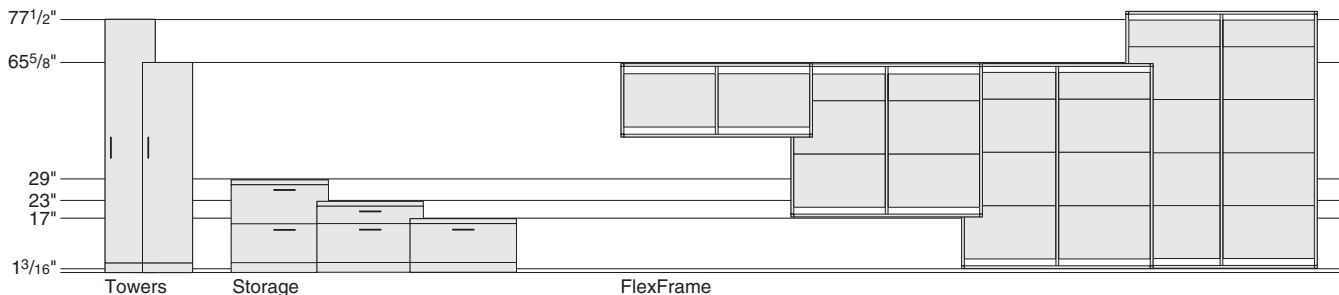
	Quantity	Style Number	Description	U.S. List Price	Total
1	1	<b>FFPF64144</b>	Workwall Perimeter Frame — 64 <sup>7</sup> / <sub>16</sub> "H x 144 <sup>7</sup> / <sub>8</sub> "W	\$1439	\$ 1439
2	3	<b>FFVF63</b>	Workwall Inner Vertical Frame Piece — 63 <sup>7</sup> / <sub>16</sub> "H	\$ 439	\$ 1317
3	4	<b>FFSH193516B</b>	Bin — 19"D x 35 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$1469	\$ 5876
4	4	<b>FFSH19358U</b>	Single Upper Shelf — 19"D x 35 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 427	\$ 1708
5	4	<b>FFKS347</b>	Wood Skin for 8 <sup>1</sup> / <sub>4</sub> "H Single Shelf — 34 <sup>11</sup> / <sub>16</sub> "W x 7"H	\$ 313	\$ 1252
6	2	<b>FFSH193516U</b>	Single Upper Shelf — 19"D x 35 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 457	\$ 914
7	2	<b>FFKS3415</b>	Wood Skin for 16 <sup>1</sup> / <sub>2</sub> "H Upper Shelf — 19"D x 35 <sup>1</sup> / <sub>16</sub> "W x 16 <sup>1</sup> / <sub>2</sub> "H	\$ 349	\$ 698
8	4	<b>FFAT35</b>	Top Cap — 35 <sup>1</sup> / <sub>16</sub> "W	\$ 93	\$ 372
9	4	<b>FFKK358</b>	Wood Skin — 35 <sup>1</sup> / <sub>16</sub> "W x 8 <sup>1</sup> / <sub>4</sub> "H	\$ 360	\$ 1440
10	1	<b>FFKT3533S</b>	Fabric Skin Pair For TV Attachment, Spanning Application — 35 <sup>1</sup> / <sub>16</sub> "W x 33"H	\$ 677	\$ 677
					\$15,693

# Blending With Other Products

## Height Alignment

Workwall frames can be mounted at any height on a wall. The top of the frame can be positioned to align with freestanding storage. For example a  $64\frac{7}{16}"$ H workwall mounted  $1\frac{3}{16}"$  off the floor will align with  $65\frac{5}{8}"$ H Elective Elements storage.

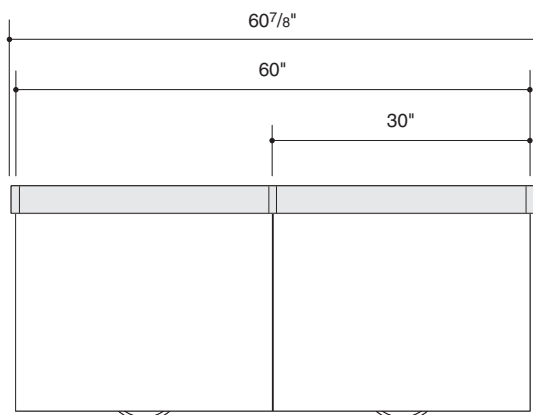
### Elective Elements Storage and FlexFrame



## Center to Center Planning

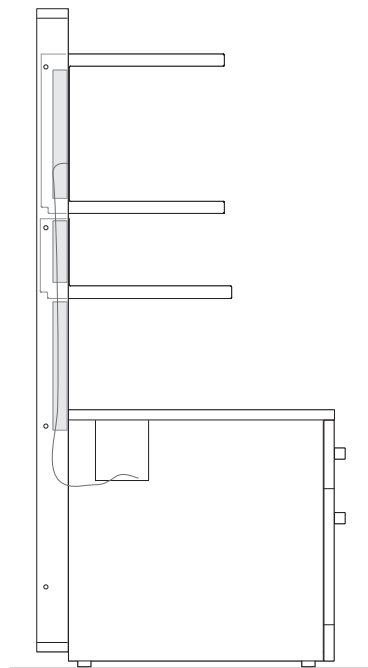
Workwall frames plan on a 6" module measured from center of vertical to center of vertical.

Perimeter frames are  $\frac{7}{8}"$  wider than nominal. When placing components of the same nominal width in front of the workwall, a space may result on either side.



## Wire Management

If freestanding storage is placed in front of a workwall with skins, the skins directly behind the storage may be omitted to allow for wire management.



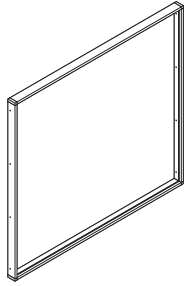
# Workwall Buildups

**Order workwall and components** separately to create unique configurations.

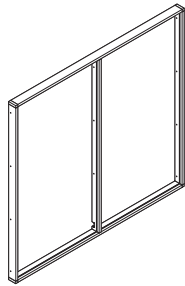
*Tip: Instructions for planning with FlexFrame using AutoCAD are available on [village.steelcase.com](http://village.steelcase.com).*

**1. Begin by selecting the workwall perimeter frame.** Next, select the configuration option which will determine the number of sections and the width of each section. The sections can be placed in any order left to right.

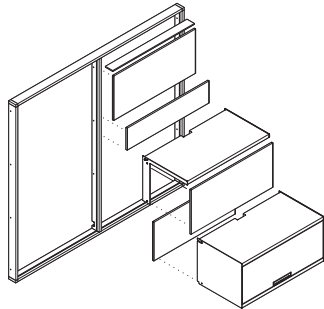
*Tip: The workwall can be reconfigured into different sections at a later date. Additional parts may be required.*



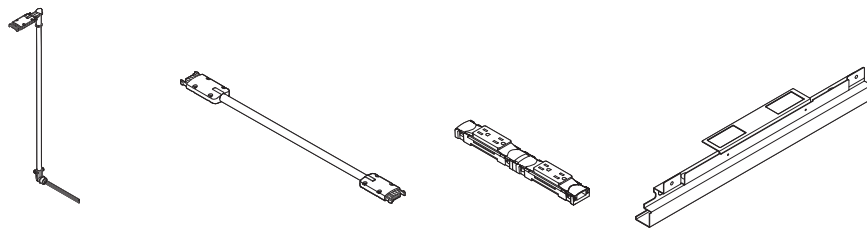
**2. Order inner vertical frame pieces to separate the sections.**



**3. Order skins, shelves, bins, or drawers for each section.**



**4. Specify power if needed.**

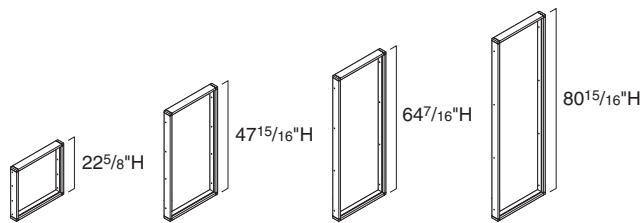


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# Understanding Workwall Frames

	
<b>Statement of Line</b>	<b>22</b>
	
<b>Workwall Perimeter Frames</b>	<b>24</b>
<b>Inner Vertical Frame Pieces</b>	<b>26</b>

# Statement of Line

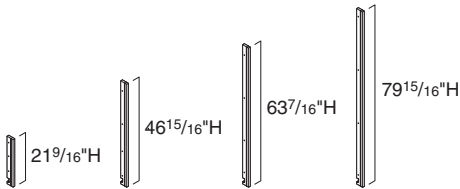


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## Perimeter Frame Assemblies

	22 <sup>5</sup> / <sub>8</sub> "H	47 <sup>15</sup> / <sub>16</sub> "H	64 <sup>7</sup> / <sub>16</sub> "H	80 <sup>15</sup> / <sub>16</sub> "H
24 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
30 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
36 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
48 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
54 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
60 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
66 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
72 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
78 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
84 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
90 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
96 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
102 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
108 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
114 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
120 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
126 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
132 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
138 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●
144 <sup>7</sup> / <sub>8</sub> "W	●	●	●	●





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Inner Vertical Frame Pieces

	21 <sup>9</sup> / <sub>16</sub> "H	46 <sup>15</sup> / <sub>16</sub> "H	63 <sup>7</sup> / <sub>16</sub> "H	79 <sup>15</sup> / <sub>16</sub> "H
7/8"W	●	●	●	●

# Workwall Perimeter Frames

**Workwall perimeter frames** define the outside dimensions of a workwall. They can be divided into multiple sections using inner vertical frame pieces, specified separately.

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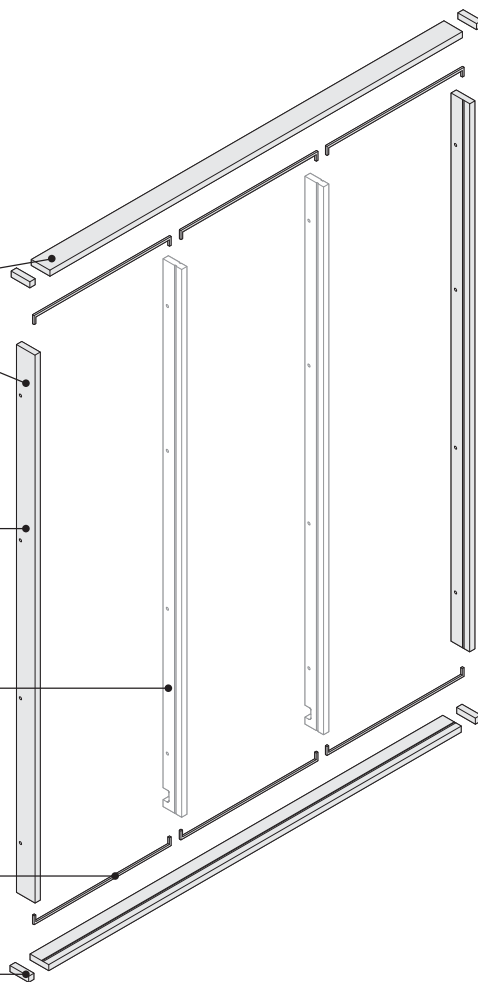
**Horizontal and vertical frame pieces** create the outside perimeter of workwall perimeter frames.

**Workwalls** are always wall mounted.

**Inner vertical frame pieces** are specified separately. They must be added to the workwall perimeter frame to divide the frame into sections.

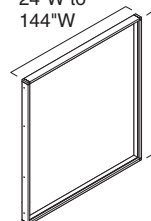
**Spacer brackets** ensure accurate spacing of vertical frame pieces.

**Corner brackets** connect horizontal and vertical frame pieces.



## Product Details

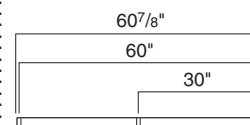
24"W to  
144"W



22<sup>5</sup>/<sub>8</sub>"H to  
80<sup>15</sup>/<sub>16</sub>"H

**Workwall perimeter frames** are available in widths from 24" to 144" and four heights from 22<sup>5</sup>/<sub>8</sub>" to 80<sup>15</sup>/<sub>16</sub>". Frames can be divided into 24", 30", and 36" sections.

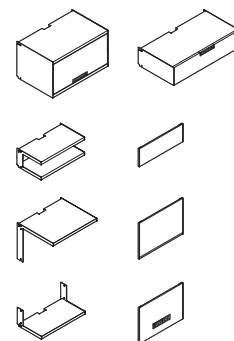
*Tip: The 24", 30", and 36"W frames do not require an inner vertical frame piece.*



**Overall width of workwall perimeter frame** is greater than nominal. Nominal width dimensions are calculated from center of outer vertical to center of outer vertical.

**Workwall perimeter frame** consists of left and right outside vertical frame pieces, top and bottom horizontal frame pieces, corner brackets, spacer brackets, and wall attachment strips.

**Workwalls** are assembled in the field.



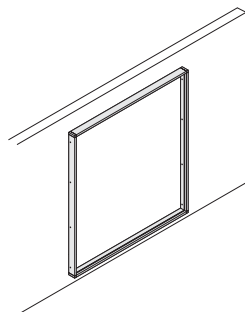
**Workwall** can accept shelves, bins, drawers, and skins in a variety of combinations.

## Actual Dimensions

<b>Depth</b>	3 <sup>1</sup> / <sub>8</sub> "
<b>Width</b>	24 <sup>7</sup> / <sub>8</sub> ", 30 <sup>7</sup> / <sub>8</sub> ", 36 <sup>7</sup> / <sub>8</sub> ", 48 <sup>7</sup> / <sub>8</sub> ", 54 <sup>7</sup> / <sub>8</sub> ", 60 <sup>7</sup> / <sub>8</sub> ", 66 <sup>7</sup> / <sub>8</sub> ", 72 <sup>7</sup> / <sub>8</sub> ", 78 <sup>7</sup> / <sub>8</sub> ", 84 <sup>7</sup> / <sub>8</sub> ", 90 <sup>7</sup> / <sub>8</sub> ", 96 <sup>7</sup> / <sub>8</sub> ", 102 <sup>7</sup> / <sub>8</sub> ", 108 <sup>7</sup> / <sub>8</sub> ", 114 <sup>7</sup> / <sub>8</sub> ", 120 <sup>7</sup> / <sub>8</sub> ", 126 <sup>7</sup> / <sub>8</sub> ", 132 <sup>7</sup> / <sub>8</sub> ", 138 <sup>7</sup> / <sub>8</sub> ", or 144 <sup>7</sup> / <sub>8</sub> "
<b>Height</b>	22 <sup>5</sup> / <sub>8</sub> ", 47 <sup>15</sup> / <sub>16</sub> ", 64 <sup>7</sup> / <sub>16</sub> ", or 80 <sup>15</sup> / <sub>16</sub> "

**Workwall can be** used without skins.

*Tip: If skins are not specified, use wire management cut-out covers if wire routing is needed.*



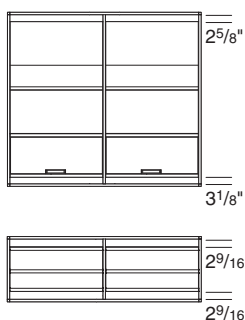
**Workwall frames** are always wall-mounted. For specific requirements see *Building Wall Requirements* on page 7.

**Section configuration** is determined during specification of workwall perimeter frames. The specification determines the number of sections and the width of each section. The actual order of the sections from left to right is determined in the field.

**Section widths** are measured from center of vertical to center of vertical.

**Inner vertical frame pieces** are ordered separately depending on how many sections are selected when specifying the workwall perimeter frame. Additional inner vertical frame pieces can be ordered later to reconfigure.

**Inner vertical frame pieces** are available in four heights to coincide with the four heights of workwall perimeter frames.

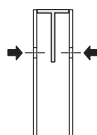


**There will always be a space** between the top of the uppermost component and the frame and the bottom of the lowest component and the frame. For a 22<sup>5</sup>/<sub>8</sub>"H frame the space is 2<sup>9</sup>/<sub>16</sub>" at the top and bottom. For 47<sup>15</sup>/<sub>16</sub>", 64<sup>7</sup>/<sub>16</sub>", and 80<sup>15</sup>/<sub>16</sub>"H frames the space at the top is 2<sup>5</sup>/<sub>8</sub>" and the space at the bottom is 3<sup>1</sup>/<sub>8</sub>".

**Workwall components** allow for segmentation on a 8<sup>1</sup>/<sub>4</sub>" vertical module. Each height workwall frame can hold a specific combination of components. For more detail refer to *Shelves, Bins, Drawers, and Skins Arrangements* on page 50.

## Connections

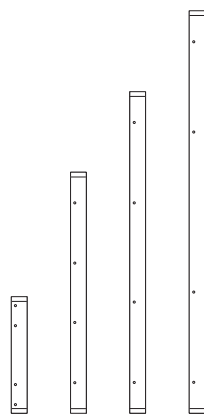
**Vertical frame pieces** attach to the building wall and carry the structural load of the workwall. Horizontal frame pieces attach to the vertical frame pieces and do not mechanically attach to the building wall.



T-bracket

**T-shaped wall brackets** attach to the building wall using customer/installer supplied fasteners.

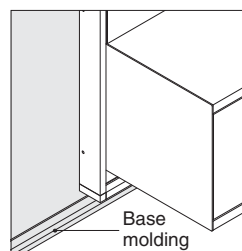
**Workwall frame verticals** attach to T-shaped wall brackets using supplied set screws. The top most screw will go through a slot in the T-shaped wall bracket to serve as a safety catch.



22<sup>5</sup>/<sub>8</sub>" 47<sup>15</sup>/<sub>16</sub>" 64<sup>7</sup>/<sub>16</sub>" 80<sup>15</sup>/<sub>16</sub>"

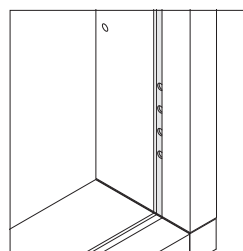
**Four set screws** are visible on both sides of every workwall frame vertical.

*Tip: Set screws may be concealed on inside edge of frame vertical by workwall components.*

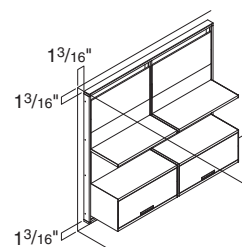


**Base moldings** should be considered when locating the workwall perimeter frame. Moldings can be removed, trimmed to fit around the workwall, or the workwall can be mounted above the base molding.

*Tip: If mounted above base molding misalignment with freestanding furniture may occur.*

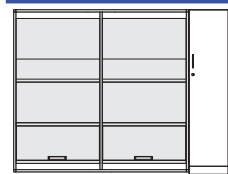


**A threaded strip** comes installed in each vertical frame piece and has holes along its entire length to attach components. The threaded strip can be adjusted to level shelves. Outside vertical frame pieces have the threaded strip on the inside only.

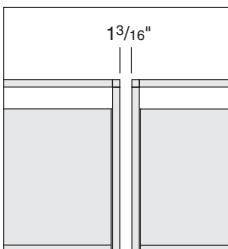


**Clearance of at least 1<sup>3</sup>/<sub>16</sub>"** is recommended between workwall frames and floors, walls, and ceilings.

## Application Topics



**A 64<sup>7</sup>/<sub>16</sub>"H workwall** mounted 1<sup>3</sup>/<sub>16</sub>" off the floor will align with 65<sup>5</sup>/<sub>8</sub>"H Elective Elements storage.



**The maximum length of workwall** is 144". Multiple workwalls can be placed side by side. A 1<sup>3</sup>/<sub>16</sub>" space is recommended between the two frames to facilitate installation. *Tip: Overall width of perimeter frame is greater than nominal. Width dimension is center of outer vertical to center of outer vertical.*

## Planning

**Instructions for planning with FlexFrame using AutoCAD** are available on [village.steelcase.com](http://village.steelcase.com).

## Surface Materials

### Frame

- 8043 Clear Anodized Aluminum

### Corner Bracket

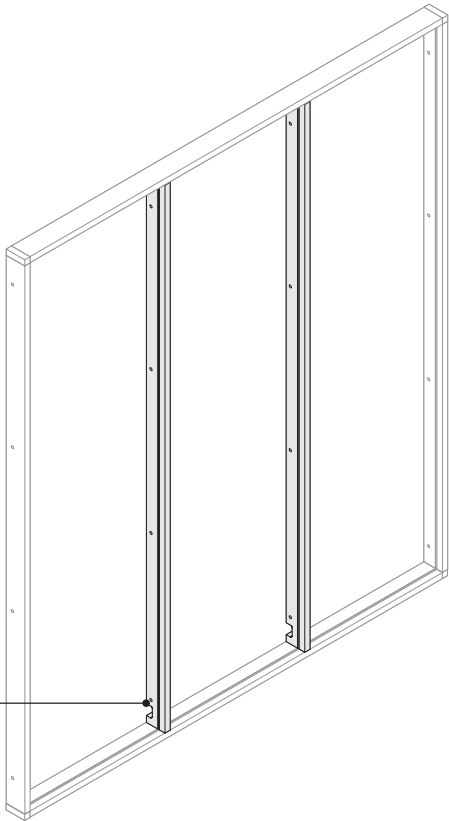
- 4799 Platinum Metallic

### Threaded Strip

- Black

# Inner Vertical Frame Pieces

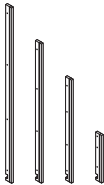
**Inner vertical frame pieces**, ordered separately, must be added to the workwall perimeter frame to divide it into sections.  
► Specifying, page 88



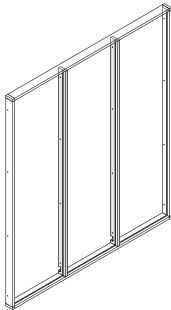
**Wire management cut-out** allows cords and cables to be routed between sections.

Actual Dimensions	
Depth	3 1/8"
Width	7/8"
Height	21 9/16", 46 15/16", 63 7/16", or 79 15/16"

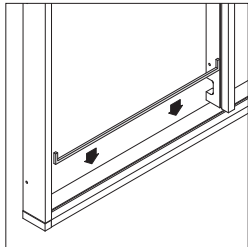
## Product Details



**Inner vertical frame pieces** are available in four heights to coincide with the four heights of workwall perimeter frames.  
*Tip: The 24", 30", and 36"W frames do not require inner vertical frame pieces.*

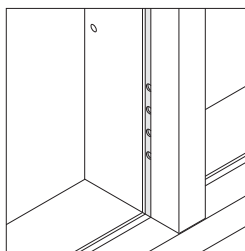


**An inner vertical frame piece** must be added at each location where sections occur.  
*Tip: Sections are decided when specifying workwall perimeter frames.*



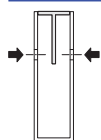
**Spacer brackets** ship with the workwall perimeter frame to assure accurate spacing between inner vertical frame pieces.  
*Tip: The number and width of spacer brackets is dependent on section configuration specified on the workwall perimeter frame.*

**Inner vertical frame pieces** have threaded strips on both sides to allow installation of shelves, bins, drawers, and skins.



**Threaded strips** can be adjusted to level shelves, bins, drawers, and skins.

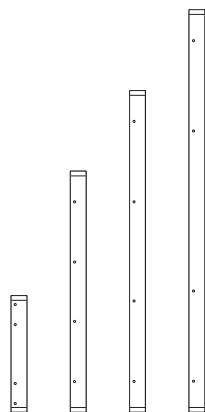
### Connections



T-bracket

**T-shaped wall brackets** attach to the building wall using customer/installer supplied fasteners.

**Workwall frame verticals** attach to T-shaped wall brackets using supplied set screws. The top most screw will go through a slot in the T-shaped wall bracket to serve as a safety catch.

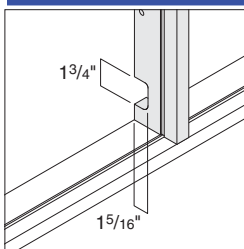


22<sup>5/8</sup>" 47<sup>15/16</sup>" 64<sup>7/16</sup>" 80<sup>15/16</sup>"

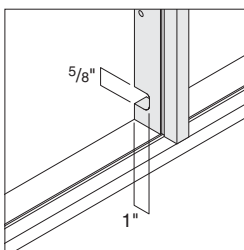
**Four set screws** are visible on both sides of every workwall frame vertical.

*Tip: Set screws may be concealed on inside edge of frame vertical by workwall components.*

### Wiring and Cabling



**Inner vertical frame pieces used with 47<sup>15/16</sup>", 64<sup>7/16</sup>", or 80<sup>15/16</sup>" H workwall frames** come standard with a cut-out for wire management near the bottom of the vertical frame piece.



**Inner vertical frame pieces used with 22<sup>5/8</sup>" H workwall frames** have a smaller cut-out designed to manage LED light cords and not power cords.

### Surface Materials

#### Inner Vertical Frame Piece

- 8043 Clear Anodized Aluminum

#### Threaded Strip

- Black





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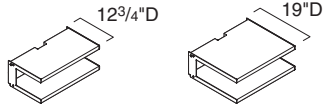
# Understanding Shelves, Bins, and Drawers

	
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<b>Shelves, Bins, and Drawers</b>	<b>32</b>

<b>Application Topics</b>	
Storage Capacities	<b>35</b>
Shelves, Bins, Drawers, and Skins Arrangements	<b>50</b>
Removable Skins and Access to Electrical Connections	<b>52</b>

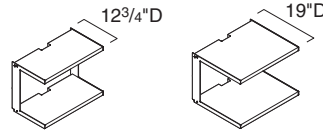
# Statement of Line



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## 8 1/4"H Double Shelves

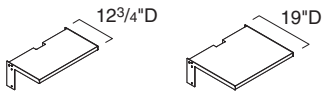
	23 1/16"W	29 1/16"W	35 1/16"W
12 3/4"D	●	●	●
19"D	●	●	●



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## 16 1/2"H Double Shelves

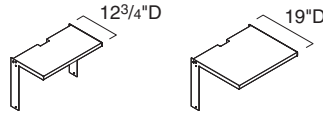
	23 1/16"W	29 1/16"W	35 1/16"W
12 3/4"D	●	●	●
19"D	●	●	●



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## 8 1/4"H Upper Single Shelves

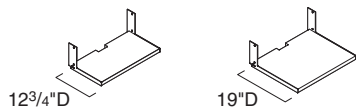
	23 1/16"W	29 1/16"W	35 1/16"W
12 3/4"D	●	●	●
19"D	●	●	●



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## 16 1/2"H Upper Single Shelves

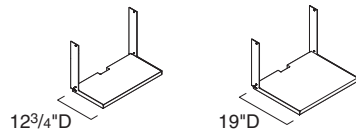
	23 1/16"W	29 1/16"W	35 1/16"W
12 3/4"D	●	●	●
19"D	●	●	●



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## 8 1/4"H Lower Single Shelves

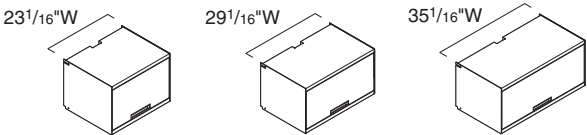
	23 1/16"W	29 1/16"W	35 1/16"W
12 3/4"D	●	●	●
19"D	●	●	●



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## 16 1/2"H Lower Single Shelves

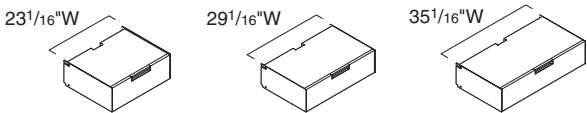
	23 1/16"W	29 1/16"W	35 1/16"W
12 3/4"D	●	●	●
19"D	●	●	●



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16 1/2"H Bins

	23 1/16"W	29 1/16"W	35 1/16"W
19"D	●	●	●



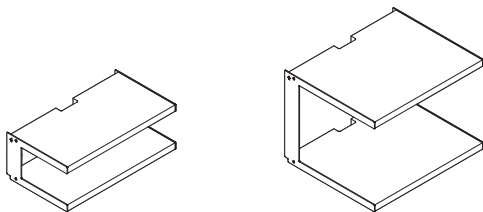
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8 1/4"H Drawers

	23 1/16"W	29 1/16"W	35 1/16"W
19"D	●	●	●

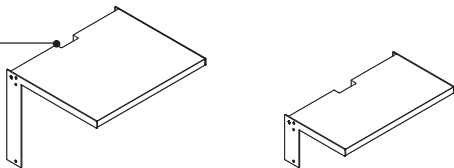
# Shelves, Bins, and Drawers

**Shelves, bins, and drawers** are available in a variety of sizes and configurations to provide storage.  
► Specifying, pages 89–92



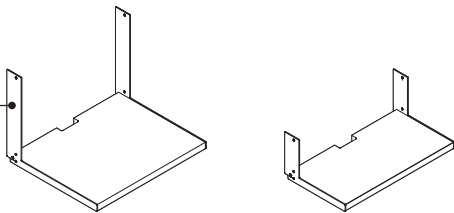
Double Shelves

**Shelves, bins, and drawers** have an optional wire management cut-out.



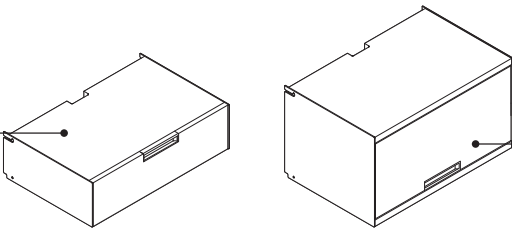
Upper Single Shelves

**Painted metal blades** are standard on each side of shelves, bins, and drawers.

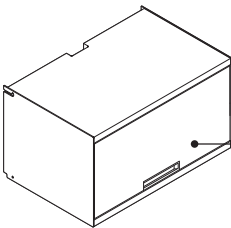


Lower Single Shelves

**Shelves, bins, and drawers** are available in Low-Pressure Laminate or wood.



Drawer

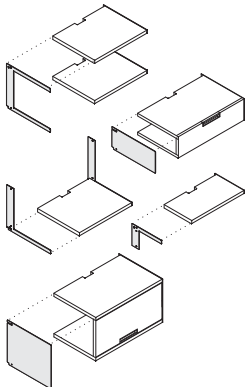


Bin

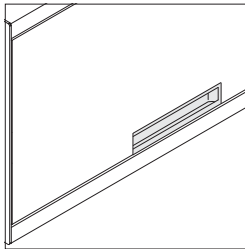
**Bin doors** recess into the case when opened.

## Product Details

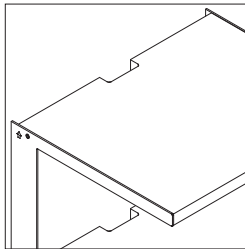
**Shelves, bins, and drawers** are available in Low-Pressure Laminate or wood.



**A painted metal blade on each side** is standard on all shelves, bins, and drawers to create a consistent aesthetic with skins.



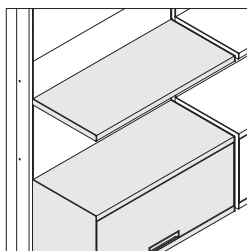
**Bins and drawers** come standard with a flush pull.



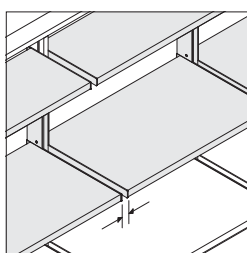
**Shelves, bins, and drawers** come standard with a wire management cut-out to route cords and cables. An option of no cut-out is available. The cut-out is not finished. An optional wire cut-out cover is available.

*Tip: Double shelves, bins, and drawers have two wire cut-outs, one on the top and one on the bottom of the unit.*

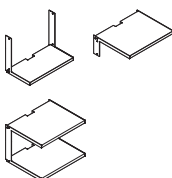
Actual Dimensions				
	Double Shelf	Single Shelf-Lower or Upper	Bin	Drawer
Depth	12 <sup>3</sup> / <sub>4</sub> " or 19"	12 <sup>3</sup> / <sub>4</sub> " or 19"	19"	19"
Width	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "
Height	8 <sup>1</sup> / <sub>4</sub> " or 16 <sup>1</sup> / <sub>2</sub> "	8 <sup>1</sup> / <sub>4</sub> " or 16 <sup>1</sup> / <sub>2</sub> "	16 <sup>1</sup> / <sub>2</sub> "	8 <sup>1</sup> / <sub>4</sub> "



**When skins** are used the wire management cut-out will be concealed, but still usable for vertical routing cables behind skins.



**A space** will always be present when shelves are in adjacent sections.



**Shelves, bins, and drawers** are available as single lower, single upper, and double.

**Shelves** are 11/8" thick.

**Back edge of shelves** is unfinished.

**Shelves, bins, and drawers** ship knocked down and are assembled at installation.

**Bins and drawers** do not lock.

**Sides of the bin and drawers** are metal and finish must be specified.

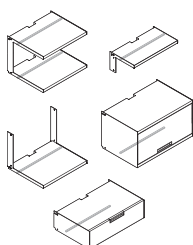
**Bin doors** recess into the case when opened.

**Bin doors** have a soft close mechanism.

**Drawers** come standard with two adjustable dividers that run the depth of the drawer.

**Drawers** are wood construction and feature dovetail joinery.

**Drawers** have full extension drawer slides.



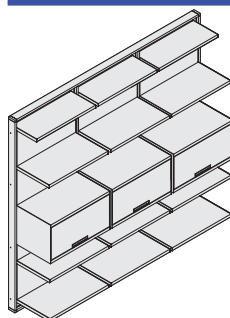
**LED lights** are available as an option on shelves, bins, and drawers. On double shelves lights are available on one or both shelves.

**The LED lights** are flush mounted on the underside of the shelves, bins, or drawers.

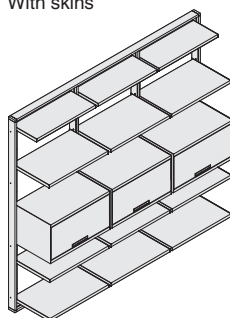
**Lights** ship installed in the shelves, bins, or drawers.

**A light kit** must be specified with ordering LED lights. See *Determining LED Light Wattage* chart to determine the light kit needed, on page 68.

## Application Topics

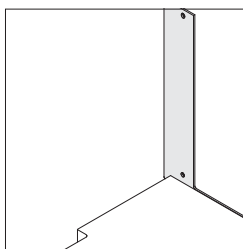


With skins

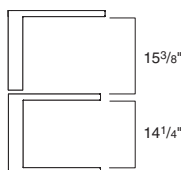


Without skins

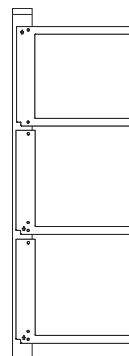
**Shelves, bins, and drawers** can be applied with or without skins.



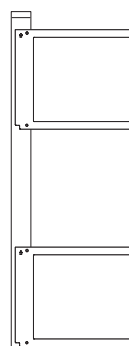
**If a single shelf** is specified without skins, two fasteners will be visible on each blade.



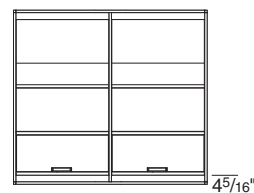
**The opening height of a double shelf** is slightly smaller than the opening of a single shelf placed above or below another shelf.



**Shelves, bins, and drawers** can be arranged to create a continuous vertical strip of painted metal blades.

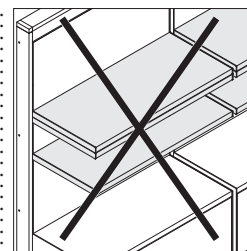


**Shelves, bins, and drawers** can be arranged to allow the frame verticals to be visible between components.

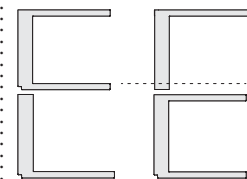
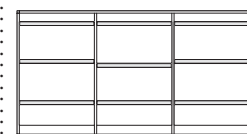
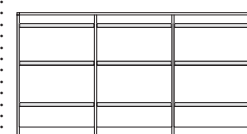


Floor

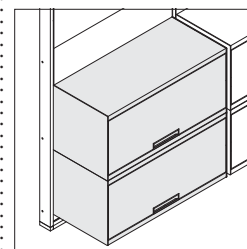
**The component** installed at the bottom most position will have a minimum 4 5/16" space between the bottom of the unit and the floor when the frame is installed 1 3/16" from the floor.



**Do not** stack shelves on top of each other so shelves are touching.

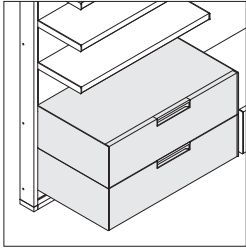


**Place** shelves consistently on adjacent sections of the workwall to prevent misalignment across sections.



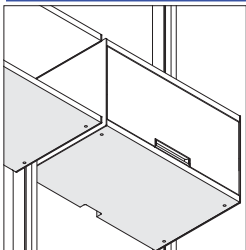
**Bins** placed directly on top of each other will create a stacking appearance.

## Shelves, Bins, and Drawers, continued



A drawer can be placed directly above another drawer.

### Connections

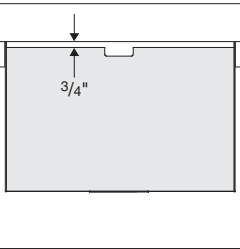


**Shelves, bins, and drawers** attach to metal brackets through the bottom of the unit using four screws. The screws will be visible when the shelf, bin, or drawer is above eye level.

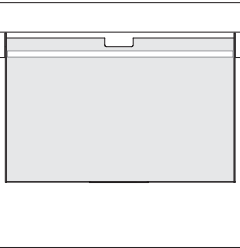
**Shelves, bins, and drawers** attach to the workwall frame securely and cannot be dislodged.

**Shelves, bins, and drawers** can be reconfigured with simple tools. The reconfiguration can be done without damaging the shelf, bin, drawer, frame, or wall.

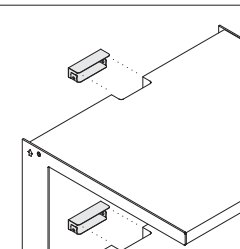
### Wiring and Cabling



**Wire management cut-outs** allow cord heads and connectors to pass through. A 3/4" space between back edge of shelf, bin, or drawer allows for cable and cord passage.



**Skins** are aligned at the front of the frame allowing 2 1/2" behind the skin for routing of cables. This will conceal the wire management cut-out. The wire management cut-out is still usable for vertical routing of cables and cords behind the skins.



A wire cut-out cover fills the wire management cut-out.

When skins are used the wire management cut-out will be concealed but still usable.

*Tip: Wire cut-out cover is not needed when skins conceal wire management cut-out.*

### Surface Materials

#### Shelves, Bins, and Drawers

- Low-Pressure Laminate
- Wood

#### Blades

- Paint

#### Flush Pulls

- 4799 Platinum Metallic
- 7207 Textured Black
- 7241 Textured Arctic White
- 7246 Midnight Metallic

#### Contemporary, Bar, or Handle Pulls

- 0835 Black
- 9201 Polished Chrome
- 9211 Nickel
- 9212 Silver

#### Jazz Pulls

- 0835 Black
- 4799 Platinum Metallic
- 9201 Polished Chrome
- 9211 Nickel
- 9212 Silver

#### Nile Pulls

- 0835 Black
- 4799 Platinum Metallic
- 9201 Polished Chrome
- 9211 Nickel

#### Wire Cut-out Cover



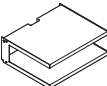
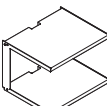
- Paint

*Tip: Grain direction on wood bin and drawer fronts is available horizontally or vertically. Grain direction on directional laminate fronts runs vertically.*



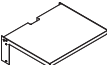
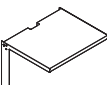
# Storage Capacities

## Shelves — With and Without Skins

### Double Shelf


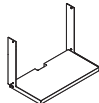
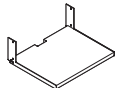
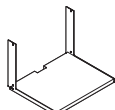
	Size			Inside Dimensions			With Skin		
	D	W	H	Without Skin D	W	H	D	W	H
	12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	23"	6"	9 <sup>3</sup> / <sub>4</sub> "	23"	6"
	12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	29"	6"	9 <sup>3</sup> / <sub>4</sub> "	29"	6"
	12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	35"	6"	9 <sup>3</sup> / <sub>4</sub> "	35"	6"
	12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	23"	14 <sup>1</sup> / <sub>4</sub> "	9 <sup>3</sup> / <sub>4</sub> "	23"	14 <sup>1</sup> / <sub>4</sub> "
	12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	29"	14 <sup>1</sup> / <sub>4</sub> "	9 <sup>3</sup> / <sub>4</sub> "	29"	14 <sup>1</sup> / <sub>4</sub> "
	12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	35"	14 <sup>1</sup> / <sub>4</sub> "	9 <sup>3</sup> / <sub>4</sub> "	35"	14 <sup>1</sup> / <sub>4</sub> "
	19"	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	23"	6"	16"	23"	6"
	19"	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	29"	6"	16"	29"	6"
	19"	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	35"	6"	16"	35"	6"
	19"	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	23"	14 <sup>1</sup> / <sub>4</sub> "	16"	23"	14 <sup>1</sup> / <sub>4</sub> "
	19"	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	29"	14 <sup>1</sup> / <sub>4</sub> "	16"	29"	14 <sup>1</sup> / <sub>4</sub> "
	19"	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	35"	14 <sup>1</sup> / <sub>4</sub> "	16"	35"	14 <sup>1</sup> / <sub>4</sub> "

### Single Shelf — Upper

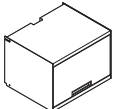
	Size			Inside Dimensions			With Skin		
	D	W	H	Without Skin D	W	H	D	W	H
	12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	23"	N.A.	9 <sup>3</sup> / <sub>4</sub> "	23"	N.A.
	12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	29"	N.A.	9 <sup>3</sup> / <sub>4</sub> "	29"	N.A.
	12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	35"	N.A.	9 <sup>3</sup> / <sub>4</sub> "	35"	N.A.
	12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	23"	N.A.	9 <sup>3</sup> / <sub>4</sub> "	23"	N.A.
	12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	29"	N.A.	9 <sup>3</sup> / <sub>4</sub> "	29"	N.A.
	12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	35"	N.A.	9 <sup>3</sup> / <sub>4</sub> "	35"	N.A.
	19"	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	23"	N.A.	16"	23"	N.A.
	19"	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	29"	N.A.	16"	29"	N.A.
	19"	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	35"	N.A.	16"	35"	N.A.
	19"	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	23"	N.A.	16"	23"	N.A.
	19"	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	29"	N.A.	16"	29"	N.A.
	19"	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	35"	N.A.	16"	35"	N.A.

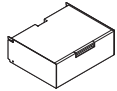
## Storage Capacities, continued

## Shelves — With and Without Skins, continued

Single Shelf — Lower	Size	Inside Dimensions								
		Without Skin						With Skin		
	D	W	H	D	W	H	D	W	H	
	12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	23"	7 <sup>1</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>4</sub> "	23"	7 <sup>1</sup> / <sub>8</sub> "	
	12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	29"	7 <sup>1</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>4</sub> "	29"	7 <sup>1</sup> / <sub>8</sub> "	
	12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12 <sup>3</sup> / <sub>4</sub> "	35"	7 <sup>1</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>4</sub> "	35"	7 <sup>1</sup> / <sub>8</sub> "	
	12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	23"	15 <sup>3</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>4</sub> "	23"	15 <sup>3</sup> / <sub>8</sub> "	
	12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	29"	15 <sup>3</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>4</sub> "	29"	15 <sup>3</sup> / <sub>8</sub> "	
	12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	12 <sup>3</sup> / <sub>4</sub> "	35"	15 <sup>3</sup> / <sub>8</sub> "	9 <sup>3</sup> / <sub>4</sub> "	35"	15 <sup>3</sup> / <sub>8</sub> "	
	19"	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	23"	7 <sup>1</sup> / <sub>8</sub> "	16"	23"	7 <sup>1</sup> / <sub>8</sub> "	
	19"	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	29"	7 <sup>1</sup> / <sub>8</sub> "	16"	29"	7 <sup>1</sup> / <sub>8</sub> "	
	19"	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	19"	35"	7 <sup>1</sup> / <sub>8</sub> "	16"	23"	7 <sup>1</sup> / <sub>8</sub> "	
	19"	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	23"	15 <sup>3</sup> / <sub>8</sub> "	16"	23"	15 <sup>3</sup> / <sub>8</sub> "	
	19"	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	29"	15 <sup>3</sup> / <sub>8</sub> "	16"	29"	15 <sup>3</sup> / <sub>8</sub> "	
	19"	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	19"	35"	15 <sup>3</sup> / <sub>8</sub> "	16"	35"	15 <sup>3</sup> / <sub>8</sub> "	

## Bins and Drawers



Bin	Size			Inside Dimensions								
	D	W	H	Without Skin			With Skin			With Cable Management Skin		
	D	W	H	D	W	H	D	W	H	D	W	H
	19"	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	17 <sup>3</sup> / <sub>4</sub> "	22 <sup>3</sup> / <sub>4</sub> "	12"	15 <sup>3</sup> / <sub>4</sub> "	22 <sup>3</sup> / <sub>4</sub> "	12"	14 <sup>3</sup> / <sub>4</sub> "	22 <sup>3</sup> / <sub>4</sub> "	12"
	19"	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	17 <sup>3</sup> / <sub>4</sub> "	28 <sup>3</sup> / <sub>4</sub> "	12"	15 <sup>3</sup> / <sub>4</sub> "	28 <sup>3</sup> / <sub>4</sub> "	12"	14 <sup>3</sup> / <sub>4</sub> "	28 <sup>3</sup> / <sub>4</sub> "	12"
	19"	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	17 <sup>3</sup> / <sub>4</sub> "	34 <sup>3</sup> / <sub>4</sub> "	12"	15 <sup>3</sup> / <sub>4</sub> "	34 <sup>3</sup> / <sub>4</sub> "	12"	14 <sup>3</sup> / <sub>4</sub> "	34 <sup>3</sup> / <sub>4</sub> "	12"

Drawer	Size			Inside Dimensions		
	D	W	H	D	W	H
	19"	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12"	20 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>4</sub> "
	19"	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12"	26 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>4</sub> "
	19"	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	12"	32 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>4</sub> "



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# Understanding Skins

	
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<b>Worksurface Attachment Skins</b>	<b>44</b>
<b>Cantilever Desk and Table Attachment Skins</b>	<b>46</b>
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Shrouds For Skins and Shroud Monitor Relationships	<b>48</b>
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# Statement of Line



Skin



Technology Skin



Cable Management Skin

Understanding  
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## Skins

	23 <sup>1</sup> / <sub>16</sub> "W	29 <sup>1</sup> / <sub>16</sub> "W	35 <sup>1</sup> / <sub>16</sub> "W
8 <sup>1</sup> / <sub>4</sub> "H	●	●	●
16 <sup>1</sup> / <sub>2</sub> "H	● ▲ ■	● ▲ ■	● ▲ ■
33"H	●	●	●
49 <sup>1</sup> / <sub>2</sub> "H	●	●	●

● = Skin  
▲ = Technology Skin  
■ = Cable Management Skin



Skin



Technology Skin



Cable Management Skin

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▶ Page 96

## Skins for Single Shelves

	22 <sup>1</sup> / <sub>16</sub> "W	28 <sup>1</sup> / <sub>16</sub> "W	34 <sup>1</sup> / <sub>16</sub> "W
7"H	●	●	●
15 <sup>1</sup> / <sub>4</sub> "H	● ▲ ■	● ▲ ■	● ▲ ■

● = Skin  
▲ = Technology Skin  
■ = Cable Management Skin



Skin



Technology Skin



Cable Management Skin

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## Skins for Double Shelves

	22 <sup>1</sup> / <sub>16</sub> "W	28 <sup>1</sup> / <sub>16</sub> "W	34 <sup>1</sup> / <sub>16</sub> "W
5 <sup>3</sup> / <sub>4</sub> "H	●	●	●
14"H	● ▲ ■	● ▲ ■	● ▲ ■

● = Skin  
▲ = Technology Skin  
■ = Cable Management Skin



Skin



Cable Management Skin

Understanding  
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## Skins for Bins

	22 <sup>1</sup> / <sub>16</sub> "W	28 <sup>1</sup> / <sub>16</sub> "W	34 <sup>1</sup> / <sub>16</sub> "W
14"H	● ■	● ■	● ■

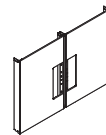
● = Skin  
■ = Cable Management Skin



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## TV Attachment Skin — Centered Application

	23 <sup>1</sup> / <sub>16</sub> "W	29 <sup>1</sup> / <sub>16</sub> "W	35 <sup>1</sup> / <sub>16</sub> "W
33"H	●	●	●

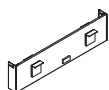


Understanding  
▶ Page 40  
Specifying  
▶ Page 99

## TV Attachment Skin, Pair — Spanning Application

	23 <sup>1</sup> / <sub>16</sub> "W	29 <sup>1</sup> / <sub>16</sub> "W	35 <sup>1</sup> / <sub>16</sub> "W
33"H	●	●	●

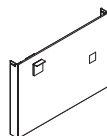
*Tip: Width dimension is per skin. Skins are sold in pairs.*



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### Worksurface Attachment Skins

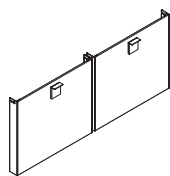
	23 <sup>1</sup> / <sub>16</sub> "	29 <sup>1</sup> / <sub>16</sub> "	35 <sup>1</sup> / <sub>16</sub> "
8 <sup>1</sup> / <sub>4</sub> "H	●	●	●



Understanding  
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 ▶ Page 101

### Cantilever Desk Attachment Skins

	35 <sup>1</sup> / <sub>16</sub> "
24 <sup>3</sup> / <sub>4</sub> "H	●



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 ▶ Page 46  
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 ▶ Page 101

### Skin Pair for Cantilever Table Attachment

	23 <sup>1</sup> / <sub>16</sub> "	29 <sup>1</sup> / <sub>16</sub> "	35 <sup>1</sup> / <sub>16</sub> "
24 <sup>3</sup> / <sub>4</sub> "H	●	●	●

# Skins

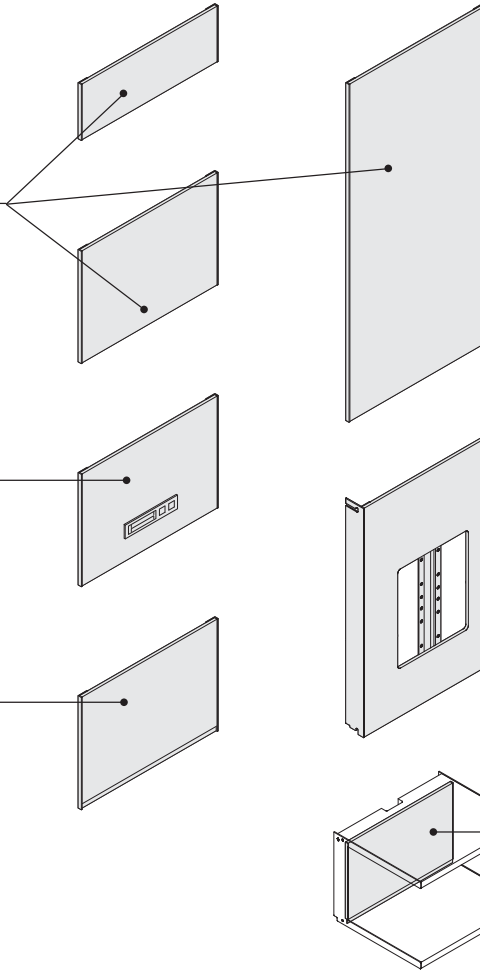
**Skins** finish the appearance of a workwall. Skin combinations can vary to accommodate a variety of needs. Skins also create a cable management space behind them.

► Specifying, pages 94–99

**Skins** come in a variety of heights and widths to fit 24", 30", and 36"W sections.

**Technology skins** provide connections to power, data, and LED light switches.

**Cable management skins** have a flexible strip to allow for easy removal and for cords and cables to pass through.



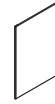
**TV attachment skins** support monitors up to 65" and up to 200 pounds on the workwall.

**Skins** are available for shelves and bins.

## Product Details



Fabric



Low-Pressure Laminate



Wood



Glass

**Skins** are available in fabric, Low-Pressure Laminate, wood, or glass.  
*Tip: Glass skins are only available 33"H and 49 1/2"H.*

**Fabric skins** are available in warp horizontal or warp vertical direction.

**Fabric skins** are tackable.  
*Tip: Fabric technology skins are not tackable.*

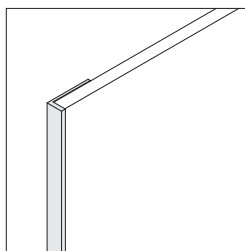
**Grain direction on wood skins** is available horizontally or vertically.

**Grain direction** runs vertically on Low-Pressure Laminate skins.

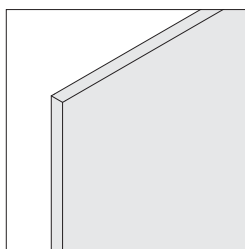
**Glass skins** are back painted. Dry erase markers can be used on glass skins.

## Actual Dimensions

	Skin	Technology Skin and Cable Management Skin	Double Shelf Skin	Double Shelf Technology Skin and Cable Management Skin	Single Shelf Skin	Single Shelf Technology Skin and Cable Management Skin	Bin Skin and Cable Management Bin Skin	TV Attachment Skin
Width	23 1/16", 29 1/16", or 35 1/16"	23 1/16", 29 1/16", or 35 1/16"	22 11/16", 28 11/16", or 34 11/16"	22 11/16", 28 11/16", or 34 11/16"	22 11/16", 28 11/16", or 34 11/16"	22 11/16", 28 11/16", or 34 11/16"	22 11/16", 28 11/16", or 34 11/16"	23 1/16", 29 1/16", or 35 1/16"
Height	8 1/4", 16 1/2", 33", or 49 1/2"	16 1/2"	5 3/4" or 14"	14"	7" or 15 1/4"	15 1/4"	14"	33"
Thickness	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"



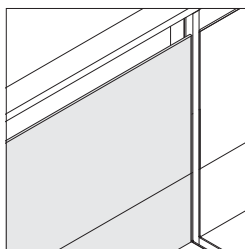
**Skins** that are not used in a shelf or bin come standard with painted metal blades on the sides. This is to provide a consistent aesthetic with other components.



**Skins for use with shelves and bins** are unique and do not have a blade. The blade is already standard on the shelf or bin.

**Skins** ship with attachment hardware.

**Skins** can be removed and reconfigured.



**Skins** align with the front edge of the workwall frame.  
*Tip: Except the skin for bin is set back an additional 1" to allow for more storage space.*

**Technology skins** allow convenient user access to power, data, and light switches.

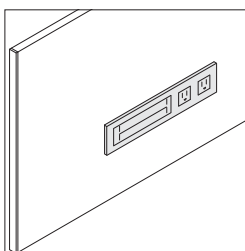
**Technology skins** are available in corded, hardwire, and modular versions.

**Corded technology skins** have an 8' cord with a 15 amp grounded plug.

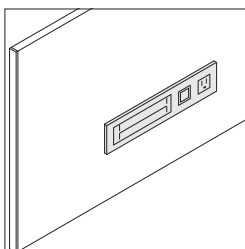
**Hardwire technology skins** have an 8' length of flexible metal conduit.

**Modular technology skins** have an 8' length of modular harness with a male connector. Modular technology skins include an inline and H connector to allow it to connect to modular power in a variety of applications. Modular technology skins are always wired to Line 1.  
▶ See *Using Modular Power* on page 61 for diagram examples.

**Technology skins** accommodate data and power needs. Technology skins are available with Data/Power/Power or Data/Power/Switch configurations.

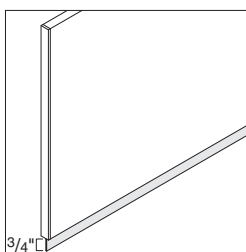


**Technology skins that have Data/Power/Power** have space for two customer supplied Extron AAP plates and two simplex receptacles, 9 1/2"W X 27 20"H.



**Technology skins that have Data/Power/Switch** have space for two customer supplied Extron AAP plates, one simplex receptacle, and one opening for the LED light switch included with the light kit. The LED light switch is field installed in the technology skin.

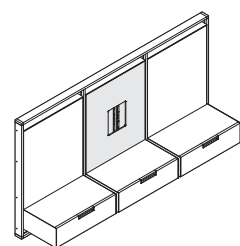
**Architectural Adapter Plates (AAPs)** provide access to data, audio, video, telephone, and other technologies. AAPs are available from Extron Electronics. For information on AAPs and to find an Extron Electronics dealer, contact Extron at 800.633.9876 or online at [www.extron.com](http://www.extron.com).



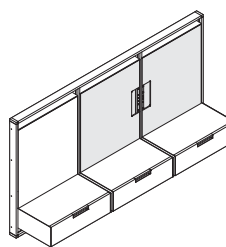
**Cable management skins** feature a 3/4"H flexible strip that allows cords and cables to be routed behind the skin. The flexible strip also allows for the skin to be easily removed without tools.

*Tip: The flexible strip is on the bottom edge of the skin. A cable management skin for double shelf or bin may be flipped so the flexible strip is on the top edge of the skin.*

**TV attachment skins** are available as centered or spanning.



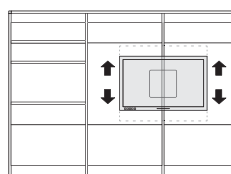
**Centered TV attachment skins** are used to center a TV on one skin in one section.



**Spanning TV attachment skins** are specified as a left and right pair. This allows a TV to be centered over two skins in two adjacent sections.

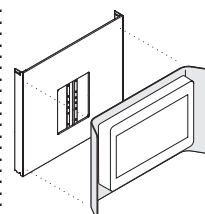
*Tip: Adjacent sections must be of the same width.*

**Cut-outs on TV attachment skins** allow wires to run behind the workwall. The cut-out is not finished but will be concealed behind the TV.



**TV attachment skins** are available with either a small bracket for monitors 32" or smaller or a large bracket for monitors over 32" and up to 65", and up to 200 pounds. Monitors can be adjusted vertically above or below centerline. Additional adjustment is available in the TV bracket itself.

*Tip: For small bracket, mounting holes cannot exceed 566 mm x 333 mm. Recommended display sizes 26"-32". For large bracket, mounting holes cannot exceed 770 mm x 485 mm. Recommended display sizes 32"-65". If a monitor does not meet these mounting hole specifications, please contact Steelcase Specials Engineering to help secure the monitor to FlexFrame.*

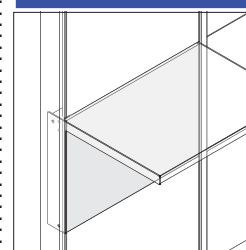


**Shrouds** are available as an option on TV attachment skins to support one 32", 42", 55", or 65" monitor (not included).

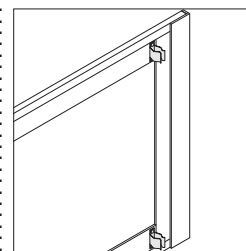
**Shrouds** are painted aluminum and available in platinum, arctic white gloss, near black, and midnight metallic.

**Shrouds** connect to the TV attachment skin with included hardware and include a mount for the size monitor specified.

## Connections



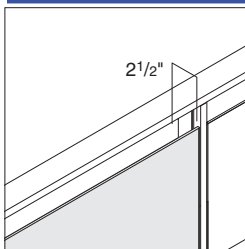
**Skins for use with shelves** fit in between the blades and attach with provided hardware.



**Skins** attach using spring clips and can be easily removed, replaced, and repositioned.

## Skins, continued

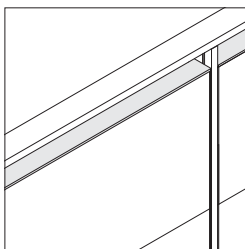
## Application Topics



**Skins** are aligned at the front of the frame. This allows 2 1/2" behind the skin for the routing of cables. A wire cut-out should be used when routing cords and cables behind skins.

**Skins for bins** are not aligned with the front edge of the workwall frame. The skins set back an additional 1" to allow for more room in the bins. Base power tray will not fit behind these skins.

**Cable management skins for bins** are aligned at the front edge of the workwall frame. This allows for wiring and base power trays behind the skin. Consider this when determining the storage capacities of the bins.



**A painted metal top cap** may be used to fill the space between the wall and the skin when the top of the skin is exposed. Thickness of the top cap matches metal blades.

## Surface Materials

**Skins**

- Fabric
- Low-Pressure Laminate
- Wood
- Glass

**Technology Skin****Power Unit**

- Black

**Cable Management****Strip**

- 6694 Slate

**Blades**

- Paint

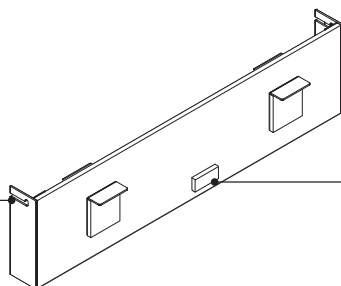


# Worksurface Attachment Skins

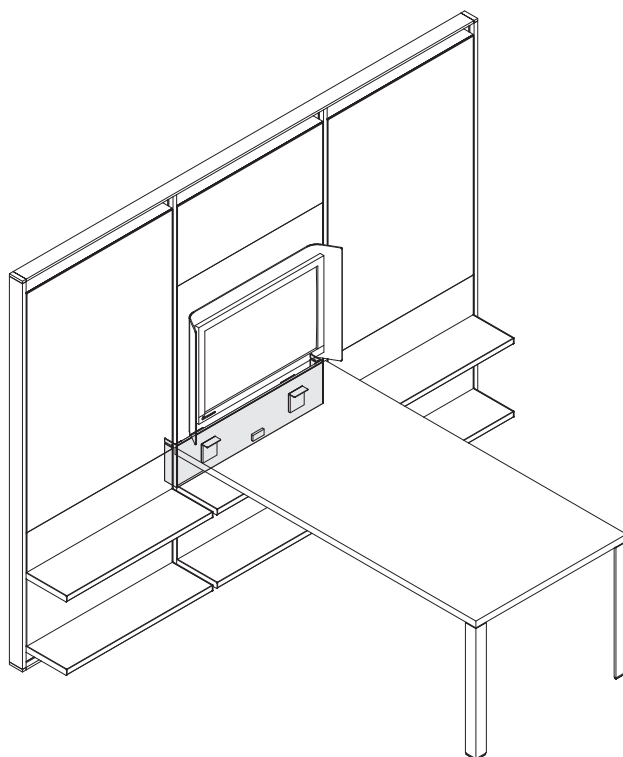
**Worksurface attachment skins** allow work-surfaces from a variety of product lines to attach to workwall. Worksurface attachment skins finish the appearance of a workwall.

► Specifying, pages 100

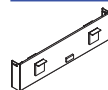
**Brackets** are height adjustable to accommodate a range of worksurface heights and thicknesses.



**Wire management cut-out** allows cords and cables to pass through.



## Product Details



**Worksurface attachment skins** are available in fabric, Low-Pressure Laminate, or wood.

**Fabric skins** are available in warp horizontal or warp vertical direction.

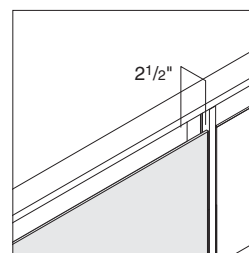
**Fabric worksurface attachment skins** are not tackable.

**Grain direction on wood skins** is available horizontally or vertically.

**Grain direction** runs vertically on Low-Pressure Laminate skins.

**Worksurface attachment skins** come standard with painted metal blades on the sides. This is to provide a consistent aesthetic with other components.

**Skins** ship with attachment hardware.



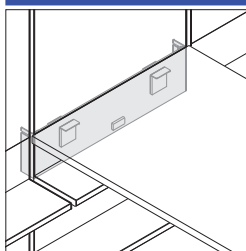
**Skins** align at the front of the workwall frame. This allows 2 1/2" behind the skin for the routing of cables. A wire cut-out should be used when routing cords and cables behind skins.

## Actual Dimensions

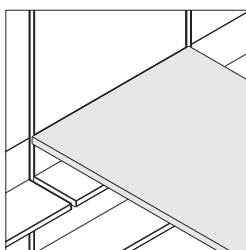
Width 23 1/16", 29 1/16", or 35 1/16"

Height 8 1/4"

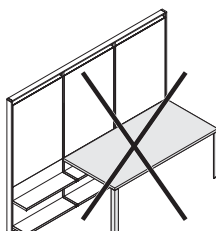


**Connections**

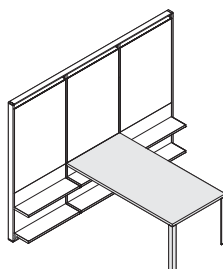
**Worksurface attachment skins** are designed to support one end of a worksurface.



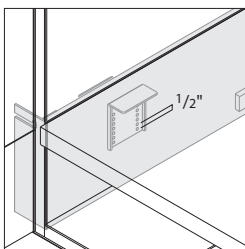
**Worksurface** must be the same width as the workwall section.



**A worksurface** may not be supported by multiple worksurface attachment skins.



**The end of the worksurface** that is not supported by the worksurface attachment skin must be supported by a leg, table base, end panel, storage, or other support.



**Worksurface attachment skin** has height adjustable brackets to support a range of worksurface heights and worksurface thicknesses.

**Bracket** is adjustable in 1/2" increments.

**When workwall** is installed in its lowest position, 13 1/16" above the floor, 1 1/2" thick worksurfaces can be supported between 27 1/2" and 29 1/2" worksurface height.

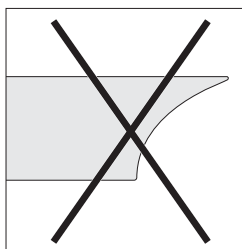
**Worksurface** will not always align with the top edge of the skin depending on worksurface height, thickness, and workwall application.

*Tip: Follow guidelines for worksurface center supports and braces.*

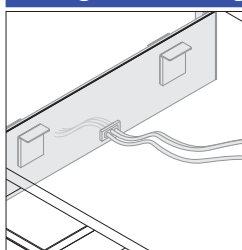
**Worksurfaces** supported by a worksurface attachment skin should not be used to support upper storage.

**If attaching Elective Elements worksurfaces**, support guidelines are equivalent to worksurfaces attached using flush mount brackets.

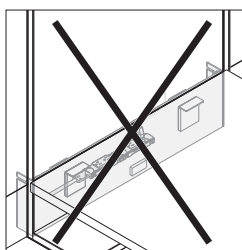
► Refer to *Worksurface Support Guidelines* in the *Elective Elements Specification Guide*.



**Worksurfaces** with a coped edge cannot connect to worksurface attachment skin.

**Wiring and Cabling**

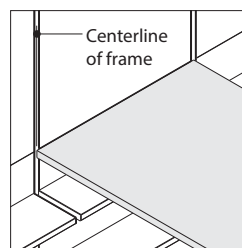
**Worksurface attachment skin** has a wire pass through for cords and cables.



**Receptacle kits** should not be used directly behind worksurface attachment skins.

**Application Topics**

**Worksurface attachment skins** may be used in adjacent sections.



**Worksurfaces** will align with the center of workwall frame verticals.

**Surface Materials****Skins**

- Fabric
- Low-Pressure Laminate
- Wood

**Blades**

- Paint

# Cantilever Desk and Table Attachment Skins

**Desk attachment skins**

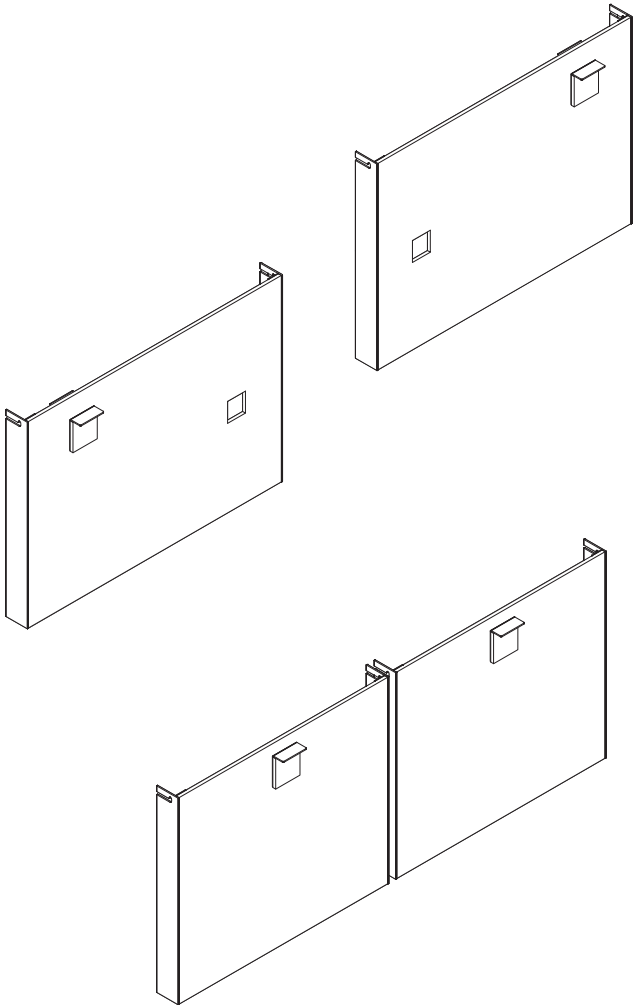
provide a structural connection for cantilever desks to FlexFrame.

► Specifying, page 101

**Skin pairs for cantilever table attachment**

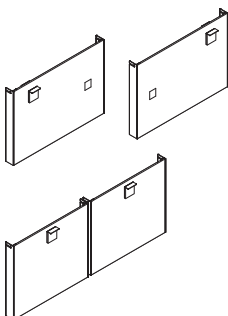
provide a structural connection for cantilever tables to FlexFrame.

► Specifying, page 101



**Actual Dimensions**

	<b>Desk Attachment Skins</b>	<b>Table Attachment Skins</b>
Width	35 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "
Height	24 <sup>3</sup> / <sub>4</sub> "	24 <sup>3</sup> / <sub>4</sub> "

**Product Details**

**Desk and table attachment skins** are available in fabric, Low-Pressure Laminate, or wood.

**Fabric skins** are available in warp horizontal or warp vertical direction.

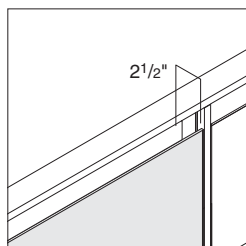
**Fabric desk and table attachment skins** are not tackable.

**Grain direction on wood skins** is available horizontally or vertically.

**Grain direction** runs vertically on Low-Pressure Laminate skins.

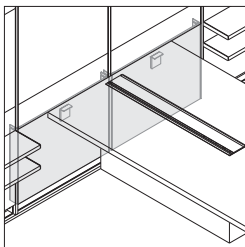
**Desk and table attachment skins** come standard with painted metal blades on the sides. This is to provide a consistent aesthetic with other components.

**Skins** ship with attachment hardware.

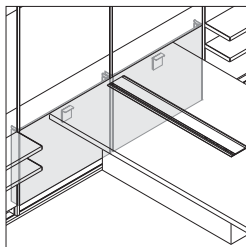


**Skins** align at the front of the workwall frame. This allows 2 1/2" behind the skin for the routing of cables. A wire cut-out should be used when routing cords and cables behind skins.

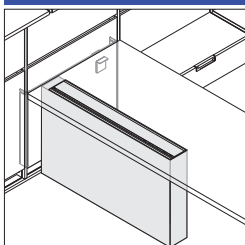
**Desk attachment skins** are handed.



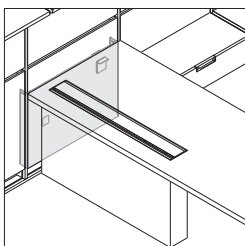
**Skins for cantilever table attachment** are specified as left and right pairs. This allows a cantilever table to be centered in two adjacent sections.  
*Tip: Adjacent sections must be of the same width.*



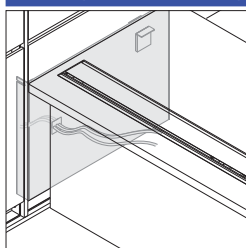
**Skins for cantilever table attachment** include two adjustable brackets to support both corners of the worksurface attached to workwall.

**Connections**

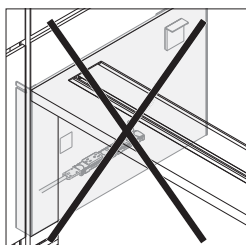
**TechBox** connects to the desk or table attachment skin.



**Skins for cantilever desk attachment** include one adjustable bracket to support the corner of the worksurface attached to workwall.

**Wiring and Cabling**

**Wire pass through** is concealed by the TechBox when installed.



**Receptacle kits** should not be located behind desk and table attachment skins.  
*Tip: Refer to removable skins and access to electrical connections section.*

**Surface Materials****Skins**

- Fabric
- Low-Pressure Laminate
- Wood
- Glass

**Blades**

- Paint

# Shrouds For Skins and Shroud Monitor Relationships

## Dimensions — Shrouds For Skins

• Features	• Overall Interior Length	• Overall Height	• Overall Depth	• Overall Length With Flaps
<b>Shrouds For Skins</b>				
<b>32" Shroud</b>	29½"	23½"	6½"	35"
<b>42" Shroud</b>	39"	27½"	6½"	44"
<b>46" Shroud</b>	43½"	30½"	6½"	48½"
<b>55" Shroud</b>	51"	35"	6½"	56"
<b>65" Shroud</b>	60"	40½"	6½"	65"

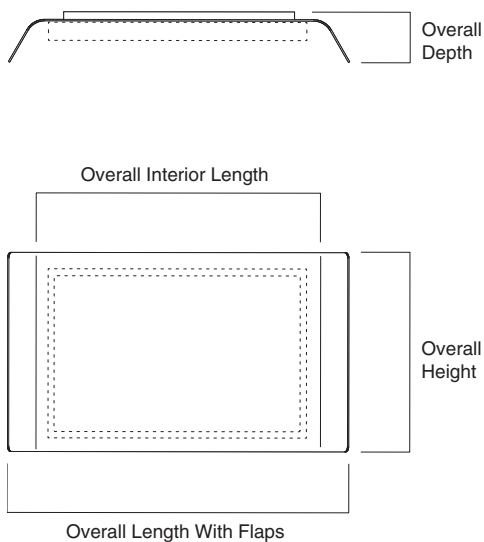
## Dimensions — Shroud Monitor Relationships

• Recommended Monitor Dimensions	• 32"	• 42"	• 46"	• 55"	• 65"
<b>Shroud Monitor Relationships</b>					
Minimum width	30¾"	39"	44"	51½"	60½"
Maximum width	32¼"	41½"	46"	53½"	62"
Minimum height	19¼"	23"	26"	31"	35½"
Maximum height	21½"	26"	28½"	33"	38"

Tip: External speakers should be included when determining dimensions.

Tip: FlexFrame does not support monitors that are larger than 65" or over 200 pounds.

Top View





# Shelves, Bins, Drawers, and Skins Arrangements

## Shelves, Bins, Drawers, and Skins Arrangements

Workwall components allow for segmentation on an 8 1/4" vertical module. Each height workwall frame can hold a specific combination of components. Components include shelves, bins, drawers, and skins. Workwalls can be used without skins. Heights of components are multiples of 8 1/4".

### Some examples of how to fill a 16 1/2"H vertical segment

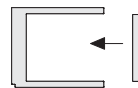
16 1/2"H Skin



16 1/2"H Single Shelf with Skin



16 1/2"H Double Shelf with Skin



16 1/2"H Bin with Skin

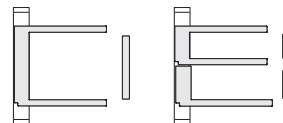


**22 5/8"H workwall frames** hold one 16 1/2"H component or any combination of two 8 1/4"H components.

16 1/2"	8 1/4"
	8 1/4"

A

B



A

B

**47 15/16"H workwall frames** hold two 16 1/2"H components and one 8 1/4"H component or any equivalent combination.

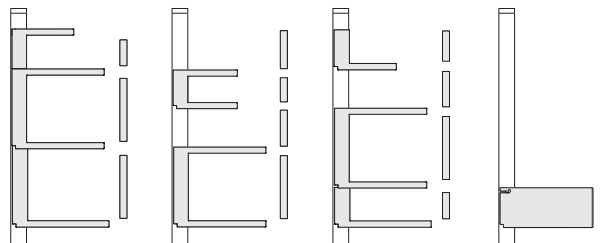
8 1/4"	8 1/4"	8 1/4"	33"
16 1/2"	8 1/4"	8 1/4"	
16 1/2"	16 1/2"	8 1/4"	

A

B

C

D



A

B

C

D

**64 7/16"H workwall frames** hold three 16 1/2"H components and one 8 1/4"H component or any equivalent combination.

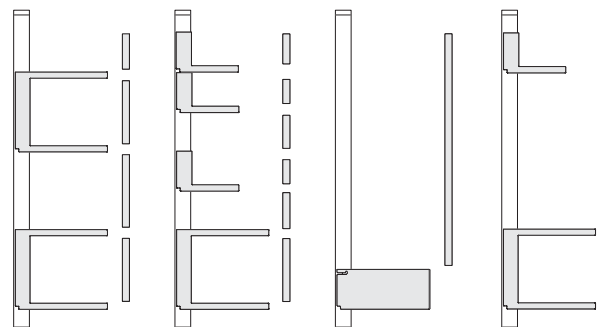
8 1/4"	8 1/4"	49 1/2"	8 1/4"
16 1/2"	8 1/4"		33"
16 1/2"	8 1/4"		
16 1/2"	8 1/4"		
16 1/2"	16 1/2"	8 1/4"	16 1/2"

A

B

C

D



A

B

C

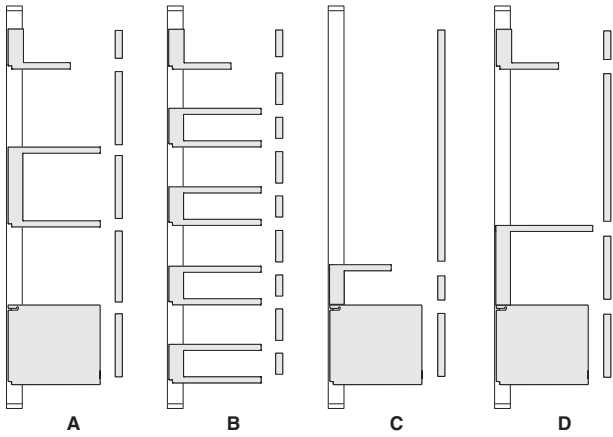
D

Shelves, Bins, Drawers, and Skins Arrangements

Workwall components allow for segmentation on an 8 1/4" vertical module. Each height workwall frame can hold a specific combination of components. Components include shelves, bins, drawers, and skins. Workwalls can be used without skins. Heights of components are multiples of 8 1/4".

80 15/16" H workwall frames hold four 16 1/2" H components and one 8 1/4" H component or any equivalent combination.

8 1/4"	8 1/4"	49 1/2"	8 1/4"
16 1/2"	8 1/4"		33"
16 1/2"	8 1/4"		
16 1/2"	8 1/4"		
16 1/2"	8 1/4"	8 1/4"	16 1/2"
16 1/2"	8 1/4"	16 1/2"	16 1/2"
	8 1/4"		
A	B	C	D



Note: Examples shown indicate only a few possibilities.

# Removable Skins and Access to Electrical Connections

## Many FlexFrame skins

have been designed to allow easy removal for access to power and data connections and other features located behind the workwall. Skins use spring clips to attach, allowing them to be removed and replaced without tools in many applications.

Whenever a receptacle kit is placed behind a skin, that skin must be easily removable for easy access and code compliance.

## Cable management skins

are always removable and are recommended for use in front of base power and receptacle kits. Many other skins can be easily removed when used in the bottom most position of the workwall. Consult the matrix for details.

## Removable Skins and Access to Electrical Connections

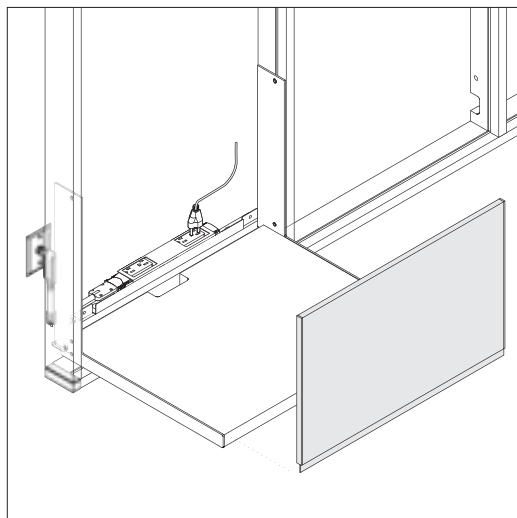
### Legend

- = Not removable
- = Removable

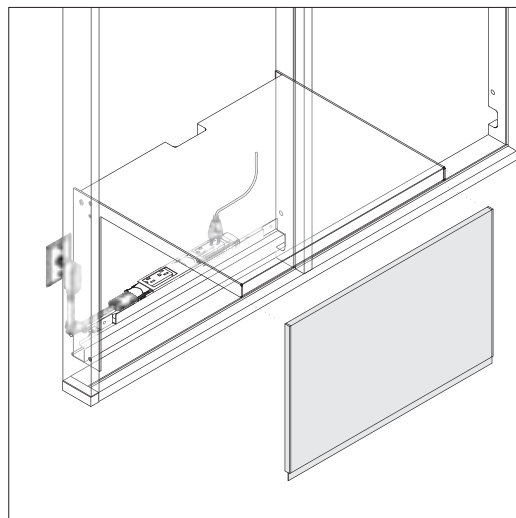
### Component

	Skin	Cable Management Skin	Technology Skin
16½"H Lower Single Shelf	•	■	•
16½"H Upper Single Shelf	■	■	•
16½"H Double Shelf	•	■	•
16½"H Bin	•	■	•
8¼"H Skin	■	•	•
16½"H Skin	■	■	•
33"H Skin	■	•	•
49½"H Skin	■	•	•

### Shelves

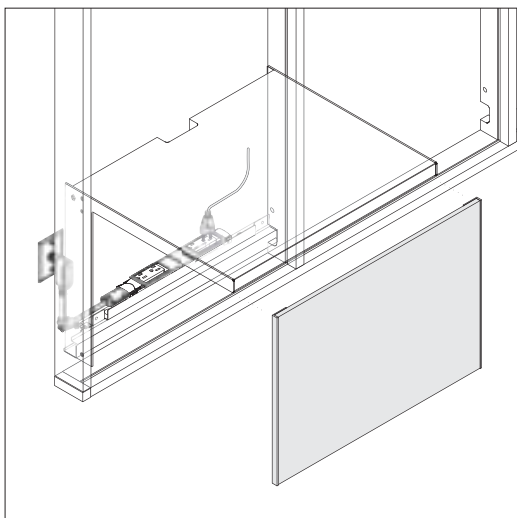


16½"H Lower Single Shelf with Cable Management Skin

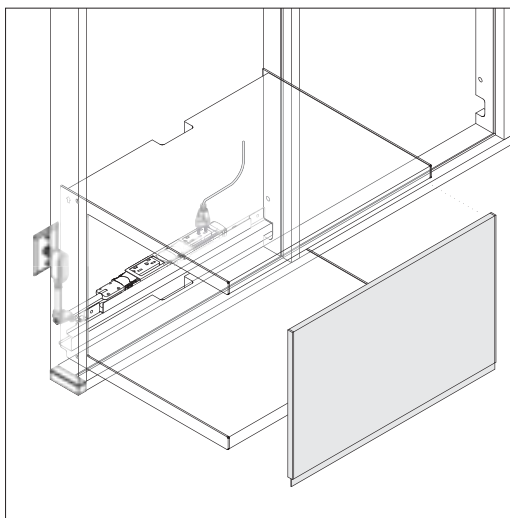


16½"H Upper Single Shelf with Cable Management Skin

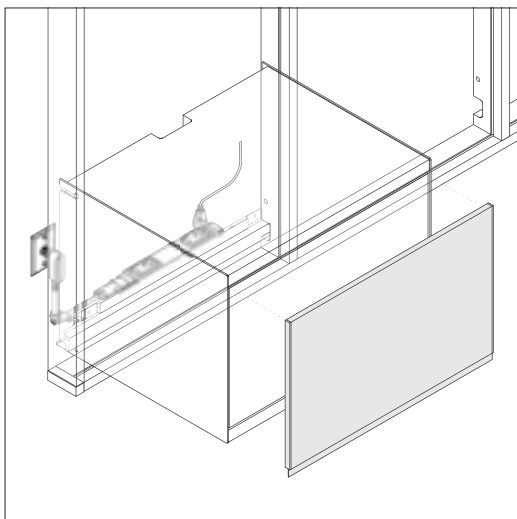


**Removable Skins and Access to Electrical Connections, continued****Shelves, continued**

16½"H Upper Single Shelf with Skin



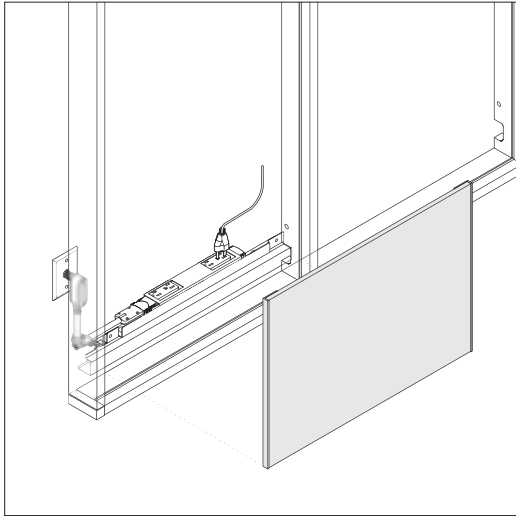
16½"H Double Shelf with Cable Management Skin

**Bin**

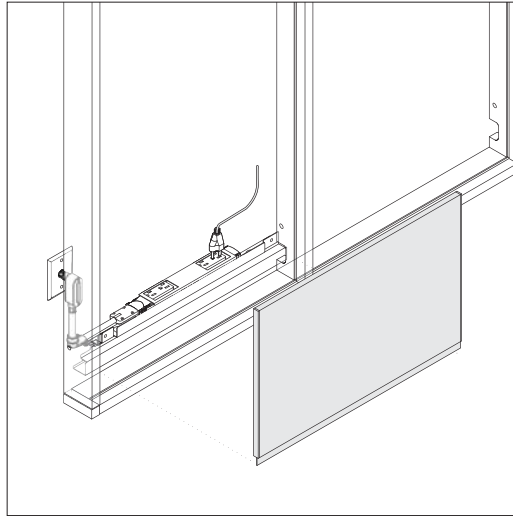
16½"H Bin with Cable Management Skin

**Removable Skins and Access to Electrical Connections, continued**

**Skins**





16½"H Skin



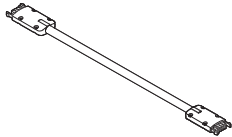
16½"H Cable Management Skin

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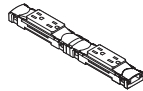
# Understanding Electrical

	
<b>Statement of Line</b>	<b>56</b>
	
<b>Electrical</b>	<b>58</b>
<b>Application Topics</b>	
Using Modular Power	<b>61</b>

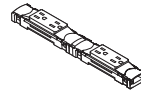
# Statement of Line

**Modular Harness**

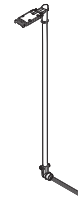
Understanding  
▶ Page 58  
Specifying  
▶ Page 103

**1-Circuit Receptacle Kit**

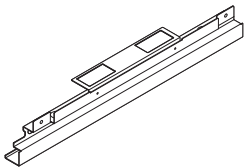
Understanding  
▶ Page 58  
Specifying  
▶ Page 103

**2-Circuit Receptacle Kit**

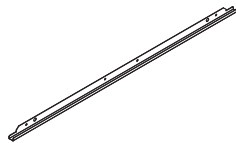
Understanding  
▶ Page 58  
Specifying  
▶ Page 104

**Hardwire Power Infeed**

Understanding  
▶ Page 58  
Specifying  
▶ Page 104

**Workwall Base Trays**

Understanding  
▶ Page 58  
Specifying  
▶ Page 104

**Workwall Wire Managers**

Understanding  
▶ Page 58  
Specifying  
▶ Page 105



# Electrical

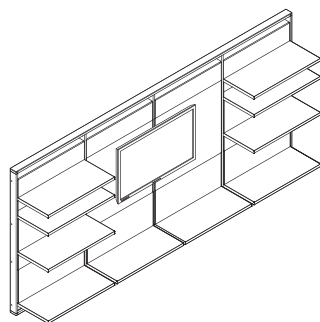
**Workwalls** are designed to support technology. Electrical needs can be solved in a variety of ways.

**A modular power system** includes base power trays, modular harnesses, receptacle kits, a base power infeed, and modular technology skins.

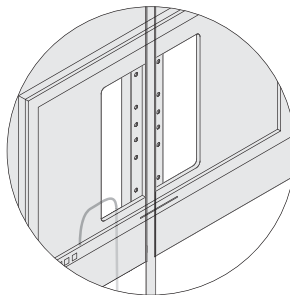
► Specifying, pages 103–105.

**Receptacle kits** are intended to provide concealed connections for devices that are plugged in for long periods of time and accessed occasionally.

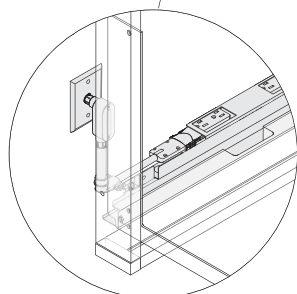
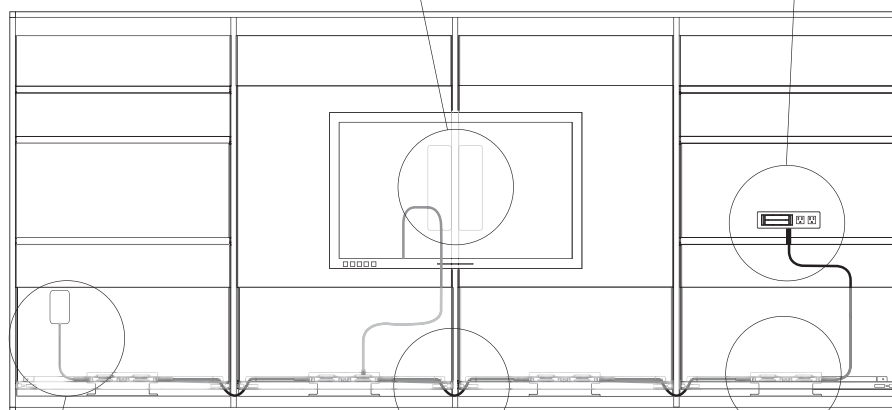
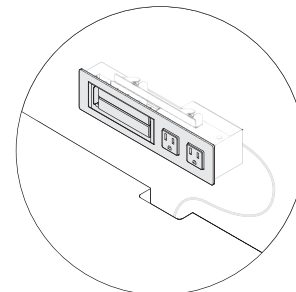
**Technology skins** are intended to provide easy connections for devices that are connected and disconnected frequently.



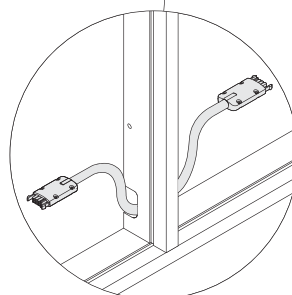
TV Attachment Skins



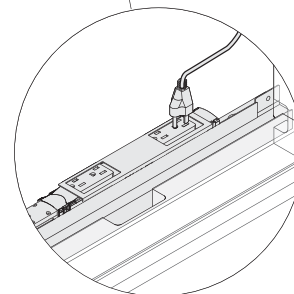
Technology Skins



Power Infeed



Modular Harness



Base Power Tray and Receptacle Kits

## Actual Dimensions

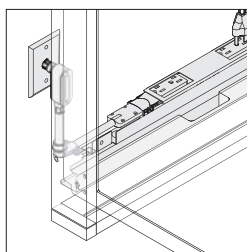
	Modular Harness	Receptacle Kits	Power Infeed	Base Power Tray	Workwall Wire Manager
<b>Width</b>	24", 30", 36", 42", 48", 54", 60", 66", 72", 78", 84", 90", 96", 102", 108", 114", or 120"	11 <sup>3</sup> / <sub>4</sub> "	94"	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>16</sub> ", 29 <sup>1</sup> / <sub>16</sub> ", or 35 <sup>1</sup> / <sub>16</sub> "
<b>Height</b>	N.A.	1"	N.A.	3 <sup>3</sup> / <sub>4</sub> "	1"
<b>Depth</b>	N.A.	1 <sup>3</sup> / <sub>4</sub> "	N.A.	2"	2 <sup>2</sup> / <sub>3</sub> "

## Product Details

**Modular power** cannot be used on workwalls without skins.

*Tip: Plan workwalls without skins to allow access to building outlets.*

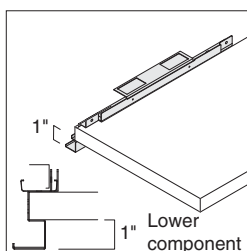
► See *Removable Skins and Access to Electrical Connections*, page 52.



**Hardwire power infeeds** bring the power from the building power source into the workwall.

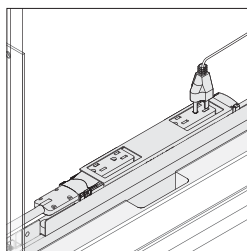
**Power infeeds** can connect to modular harnesses, technology skins, or 1-circuit or 2-circuit receptacle kits.

A **base power tray** is required whenever a receptacle kit or modular harness is used in a section.



The **base power tray** will hang approximately 1" below the lower most component.

**Workwall wire manager** does not hang below the shelf.



**Receptacle kits** face upward.

**Receptacle kits** snap into the center of the base power tray. 1-circuit receptacle kits include two duplex receptacles wired to Line 1. 2-circuit receptacle kits include one duplex receptacle wired to Line 1 and one duplex receptacle wired to Line 2.

**Receptacle kits** must have a removable skin installed in front of them. Cable management skins are recommended.

► See *Removable Skins and Access to Electrical Connections* on page 52. *Tip: If modular harnesses or receptacle kits are used in a section, some flexible metal conduit will be visible when skins are removed.*

**Multiple receptacle kits in different workwall sections** can be connected using modular harnesses.

**Modular harnesses** are available in lengths from 24" to 120" to accommodate connection of modular components in different workwall sections. Modular harnesses are compatible with 1-circuit and 2-circuit receptacle kits.

**Technology skins** allow convenient user access to power, data, and light switches.

**Technology skins** are available in corded, hardwire, and modular versions.

**Corded technology skins** have an 8' cord and a 15 amp grounded plug.

**Corded technology skins** can plug into a receptacle kit or into a building receptacle. Connection must be accessible.

**Hardwire technology skins** have an 8' length of flexible metal conduit.

**Modular technology skins** have an 8' length of modular harness with a male connector. Modular technology skins include an inline and H connector to allow it to connect to modular power in a variety of applications. Modular technology skins are always wired to Line 1. ► See *Using Modular Power* on page 61 for diagram examples.

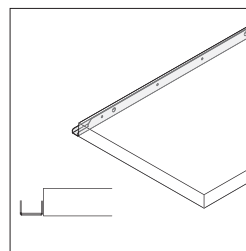
**Technology skins** accommodate data and power needs. Technology skins are available with Data/Power/Power or Data/Power/Switch configurations.

**Technology skins that have Data/Power/Power** have space for two customer supplied Extron AAP plates and two simplex receptacles.

**Technology skins that have Data/Power/Switch** have space for two customer supplied Extron AAP plates, one simplex receptacle, and one opening for the LED light switch included with the light kit. The LED light switch is field installed in the technology skin.

**Architectural Adapter Plates (AAPs)** provide access to data, audio, video, telephone, and other technologies. AAPs are available from Extron Electronics. For information on AAPs and to find an Extron Electronics dealer, contact Extron at 800.633.9876 or online at [www.extron.com](http://www.extron.com).

**Workwall wire manager** can route wires for lights and other cables through the cut-out on a 22<sup>5</sup>/<sub>8</sub>" H workwall frame and prevents wires and cables from hanging below the shelf.



**Workwall wire manager** may be used on 47<sup>15</sup>/<sub>16</sub>", 64<sup>7</sup>/<sub>16</sub>", and 80<sup>15</sup>/<sub>16</sub>" H workwall frames to prevent wires from hanging below a lower single shelf, double shelf, bin, or drawer in the lower most position on the workwall, but will not allow cords and cables to pass through the cut-out on the inner vertical frame piece.

*Tip: Specify a base power tray instead to allow cords and cables to be passed through the cut-out.*

**Workwall wire manager** must be installed on the back edge of a lower single shelf, the bottom position of a double shelf, bin, or drawer.

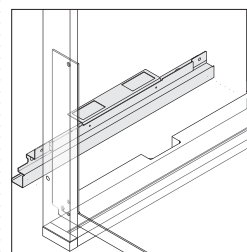
**Workwall wire managers** cannot hold receptacle kits.

**Local electrical codes vary**, so consult with your local authority having jurisdiction as they have final say if the products as installed are compliant with local code.

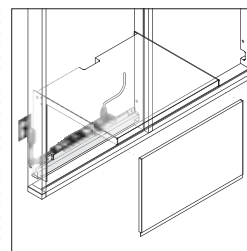
## Application Topics

**Base power tray** should only be used in the lower most position of the workwall.

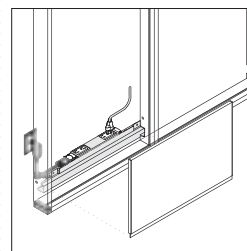
**Workwall wire manager** should only be used in the lower most position of a workwall.



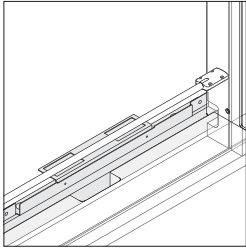
**Base power tray** can be installed on the back edge of the bottom position of a double shelf, bin, or lower single shelf.



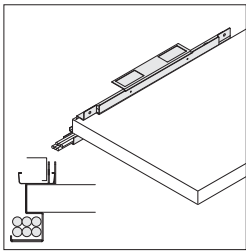
**Base power tray** may also be installed behind the skin of an upper single shelf.



**Base power tray** may be installed behind a skin.



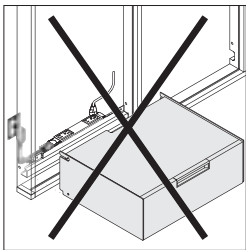
**A base power tray without a receptacle kit** can be used to route modular harnesses and cords through a section.



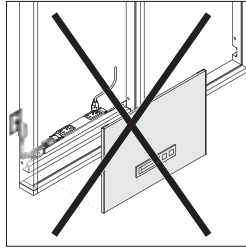
**Cords and cables** can pass through the bottom of a base power tray.

**Base power tray** should not be used in 22<sup>5</sup>/<sub>8</sub>"H workwalls because the wire management cut-out in the inner vertical frame piece cannot accommodate modular power.

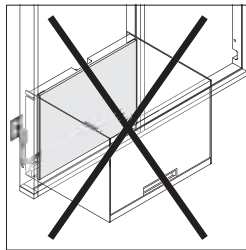
*Tip: Use workwall wire manager for 22<sup>5</sup>/<sub>8</sub>"H workwalls.*



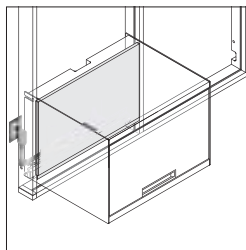
**Receptacle kits** may not be placed behind a drawer.



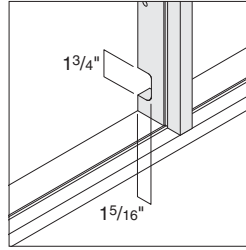
**Technology skins** can not be used in front of receptacle kits.



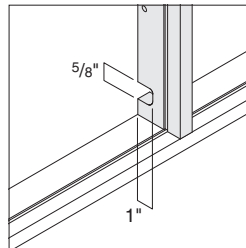
**Skins for bins** are not aligned with the front edge of the workwall frame. The skins set back an additional 1" to allow for more room in the bins. Base power tray will not fit behind these skins.



**Cable management skins for bins** are aligned at the front edge of the workwall frame. This allows for wiring and base power trays behind the skin. Consider this when determining the storage capacities of the bins.



**Inner vertical frame pieces used with 47<sup>15</sup>/<sub>16</sub>"**, 64<sup>7</sup>/<sub>16</sub>", or 80<sup>15</sup>/<sub>16</sub>"H workwall frames come standard with a cut-out for wire management near the bottom of the vertical frame piece.



**Inner vertical frame pieces used with 22<sup>5</sup>/<sub>8</sub>"H workwall frames** have a smaller cut-out designed to manage LED light cords and not power cords.

### Surface Materials

#### Receptacle kits

- 6000 Black

#### Base Power Tray

- 7237 Slate

#### Workwall Wire Manager

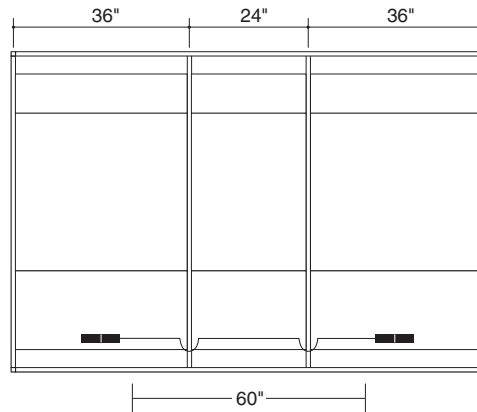
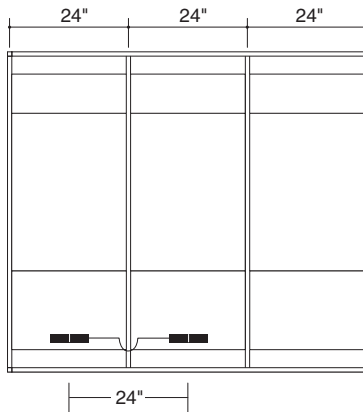
- 7237 Slate



# Using Modular Power

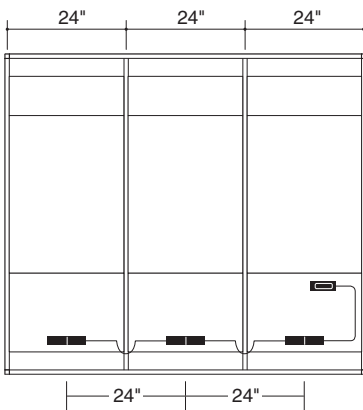
## Determining Modular Harness Lengths

To determine the length of a modular harness, add up the width of each section the modular harness passes through and half the width of each section where the modular harness connects to a receptacle kit.

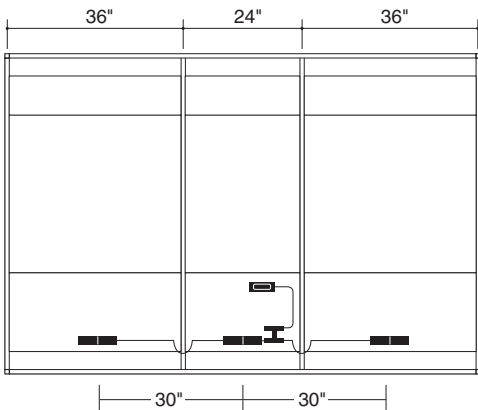


## Using Power Infeed

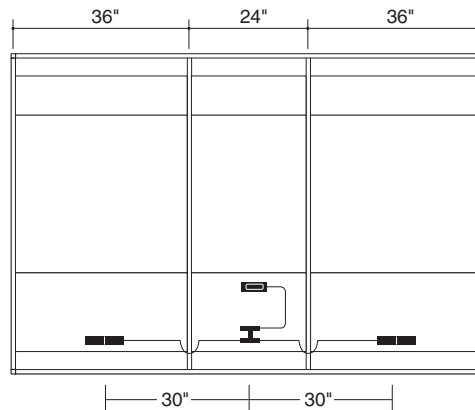
Connecting at End of Receptacle Kit



Connecting In-line at Receptacle Kit







Connecting In-line with Modular Harnesses



*Tip: Hardwire infeed includes inline and H connector.*

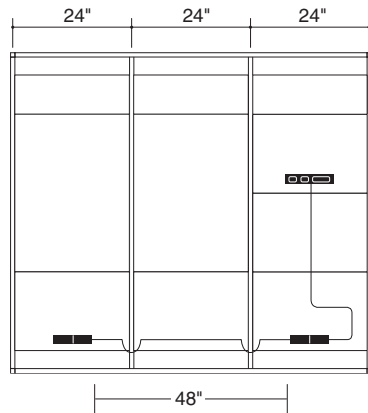
### Legend

-  = Receptacle Kit
-  = Modular Harness
-  = Hardwire Power Infeed
-  = Technology Skin

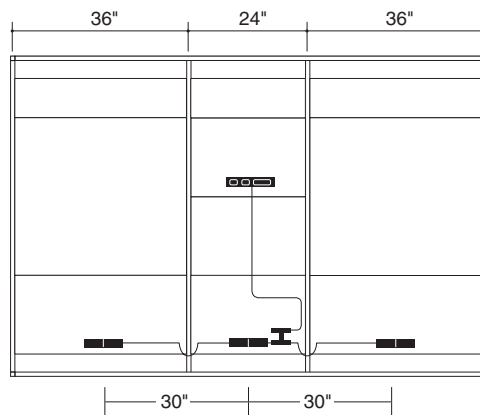
## Using Modular Power, continued

## Using Modular Technology Skins

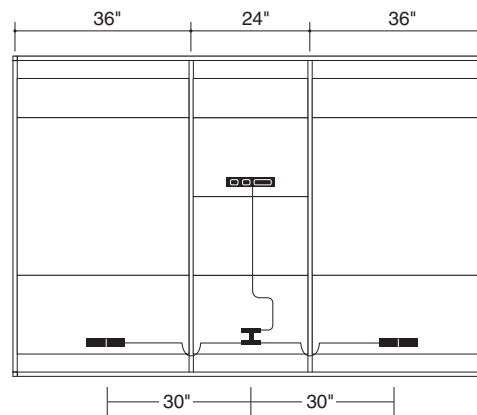
Connecting at End of Receptacle Kit



Connecting In-line at Receptacle Kit







Connecting In-line with Modular Harnesses





*Tip: Modular technology skins include inline and H connector.*

## Legend

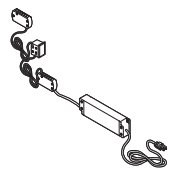
-  = Receptacle Kit
-  = Modular Harness
-  = Hardwire Power Infeed
-  = Technology Skin

---

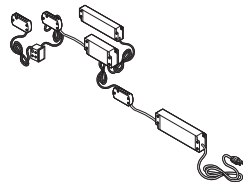
# Understanding Lighting

	
<b>Statement of Line</b>	<b>64</b>
	
<b>Lighting</b>	<b>66</b>
<b>Application Topics</b>	
Determining LED Light Wattage	<b>68</b>
Wiring Diagram For Lights	<b>69</b>

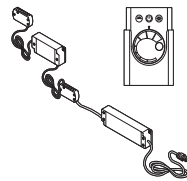
# Statement of Line



**Light Kits**  
 Understanding  
 ▶ Page 66  
 Specifying  
 ▶ Page 106



**Light Dimming Kits**  
 Understanding  
 ▶ Page 66  
 Specifying  
 ▶ Page 106



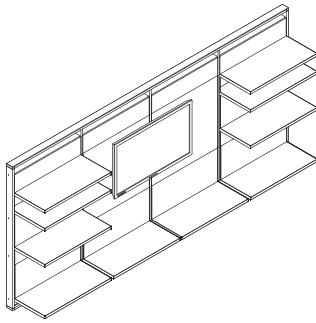
**30-Watt Remote Control  
 Light Kit with Dimmer**  
 Understanding  
 ▶ Page 66  
 Specifying  
 ▶ Page 107



# Lighting

**Workwalls** have an optional integrated lighting system.

► Specifying, page 106

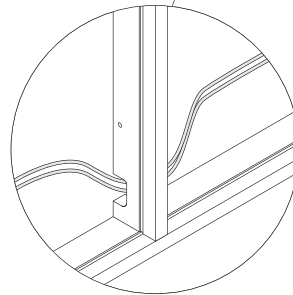
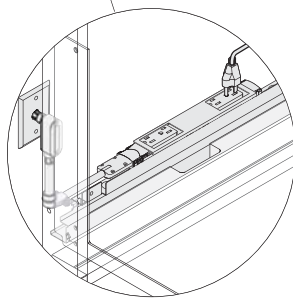
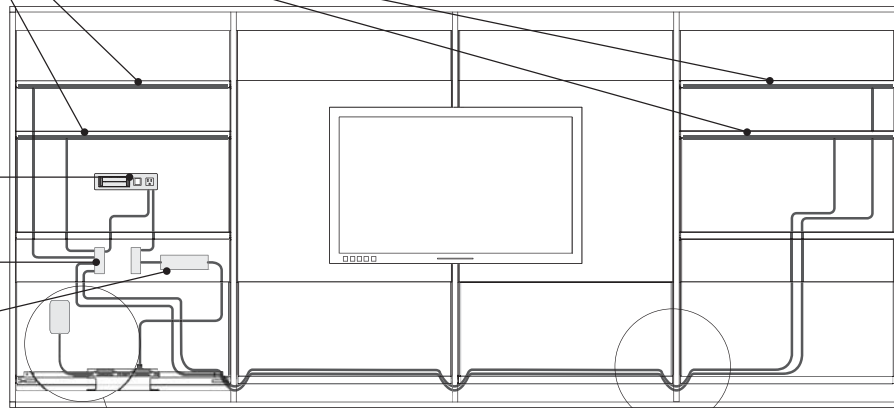


## LED Lights

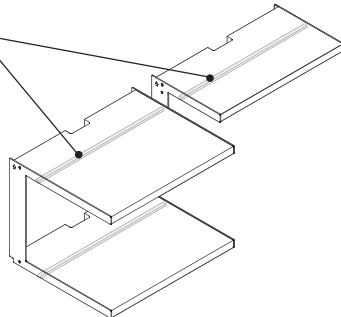
## Switch

## Terminal Blocks

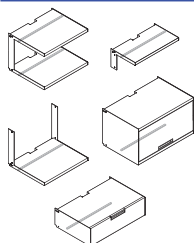
## Power Transformer



**Lights** align on shelves of different depths.



## Product Details



**LED lights** are available as an option on shelves, bins, and drawers. On double shelves lights are available on one or both shelves.

**A light kit** must be specified when ordering LED lights.

► See *Determining LED Light Wattage* chart to determine the light kit needed, page 68.

**A technology skin** must be specified to house the switch from a light kit. The switch controls the lights connected to the light kit.

**When a remote control light kit** is specified, a technology skin is not required because the remote control acts as the switch.

**The LED lights** are flush mounted on the underside of the shelves, bins, or drawers.

**Lights** ship installed in the shelves, bins, or drawers.

**Shelves, bins, or drawers** specified with LED light option include the lights, lens cover, and a 192" length of low voltage cord to plug into a light kit.

**Light temperature** is 4100K.

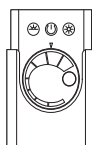
**A 30-watt light kit** includes one power transformer, one switch, and one terminal block that can accommodate up to eight shelves with lights. A 30-watt light kit requires one power receptacle.

### A 60-watt light kit

includes two power transformers, one switch, and two terminal blocks that can accommodate up to sixteen total shelves with lights. A 60-watt light kit requires two power receptacles.

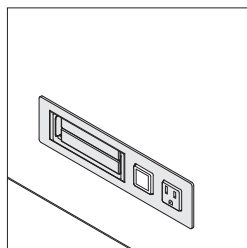
### A 30-watt remote control light kit with dimmer

includes one power transformer, a remote control, a receiver, and a terminal block that accommodates up to eight shelves with lights or 30 watts, whichever comes first.



**The remote control** has functions for power, a dial for dimming, and preset high and low light levels.

**Remote control and receivers** are coded to operate as a pair to prevent interference from other light kits.



**The light switch** (black) controls all lights connected to the power kit. Light switches must be installed in a technology skin (ordered separately).

**Dimming kits** include everything included in a light kit plus an additional dimming module for each transformer. The 60-watt light dimming kit allows two groups of lights to be dimmed independently.

**Dimming control** has a 79" cord allowing it to be placed conveniently for periodic adjustment.

# Determining LED Light Wattage

## Determining LED Light Wattage

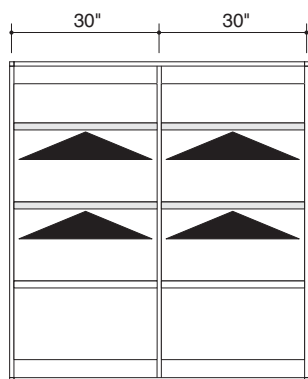
### Light Wattage

LED lights are optional for shelves, bins, and drawers. A light kit must be specified to connect the shelf lights to power and switch them on and off. The light kit needed depends on the total wattage of all of the LED lights used for a workwall. Different width shelves have different wattages:

Shelf Width	Light Wattage
23 <sup>1</sup> / <sub>16</sub> "	4.8
29 <sup>1</sup> / <sub>16</sub> "	5.6
35 <sup>1</sup> / <sub>16</sub> "	7.3

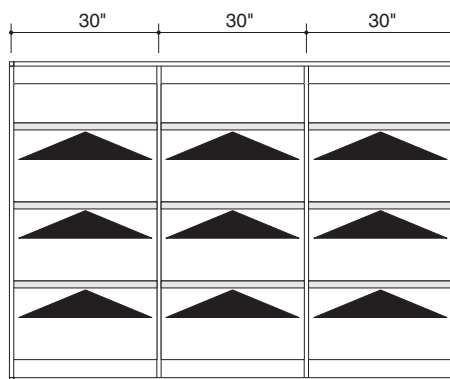
### To Calculate Total Wattage For A Workwall:

- Determine how many shelves of each width have been specified with LED lights.
- Multiply quantity of shelves by light wattage for each width.
- Add up total watts.
- If total watts is 30 watts or less, the 30-watt light kit should be specified. If the total watts is between 30W and 60W, the 60-watt light kit should be specified.



4 Shelves with LED Lights

4 (lights) x 5.6W = 22.4W  
Use 30W light kit



9 Shelves with LED Lights

9 (lights) x 5.6W = 50.4W  
Use 60W light kit

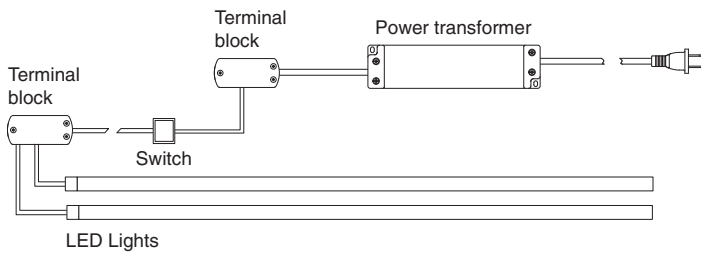
### Legend

▲ = LED Light

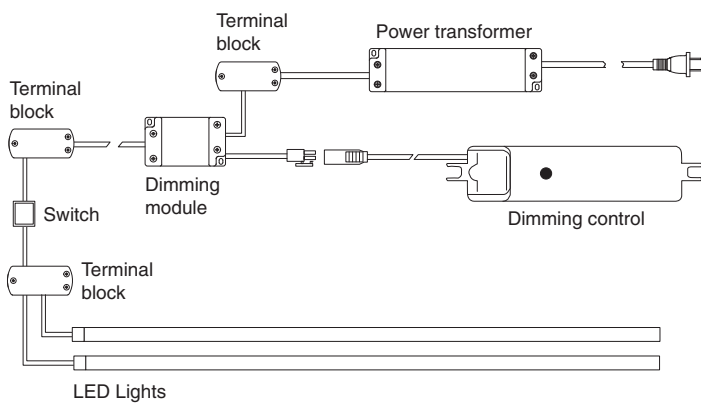


# Wiring Diagram For Lights

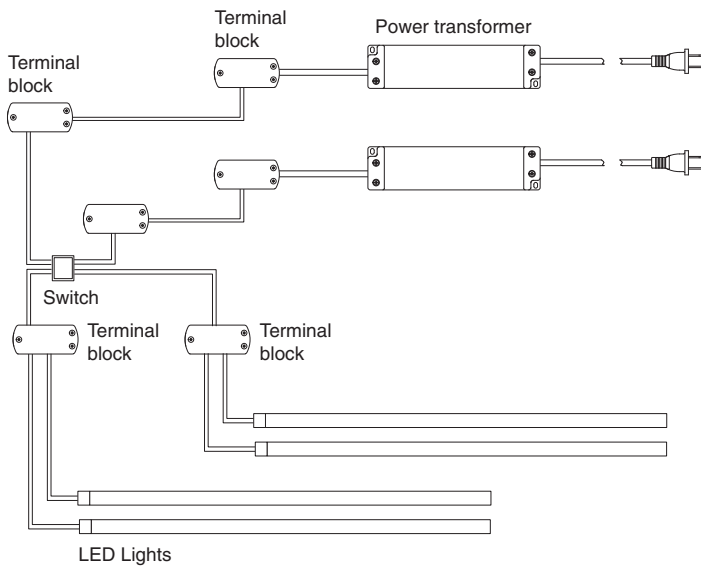
## 30-Watt Light Kit



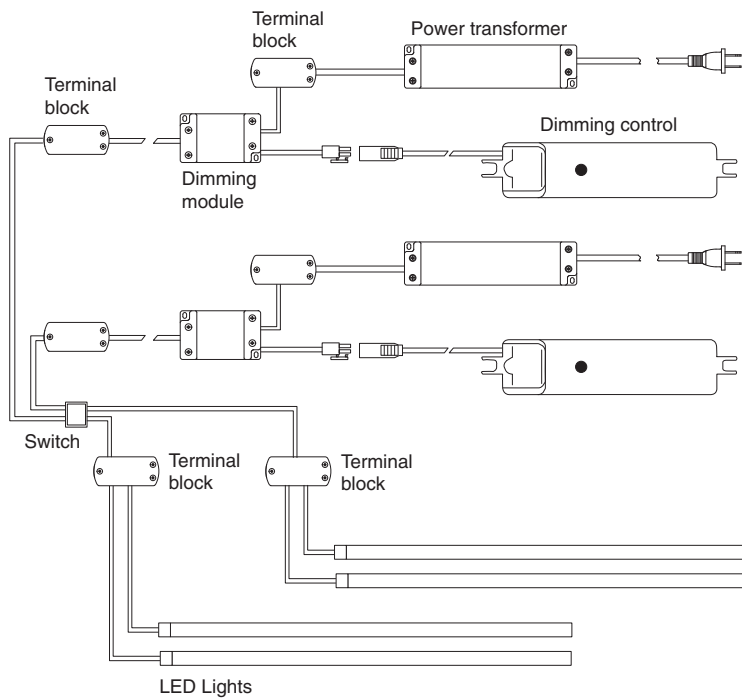
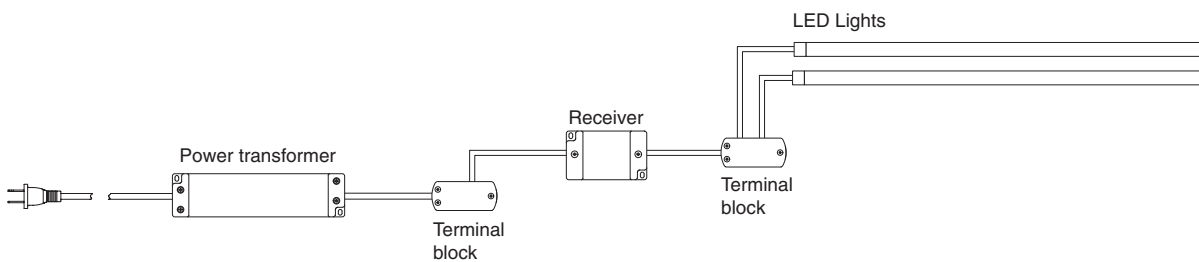
## 30-Watt Light with Dimming Kit



## 60-Watt Light Kit



## Wiring Diagram For Lights, continued

**60-Watt Light with Dimming Kit****30-Watt Light Kit with Remote Control**

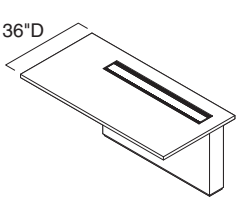
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# Understanding Cantilever Desks and Tables

	
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Cantilever Desks and Tables with media:scape	76

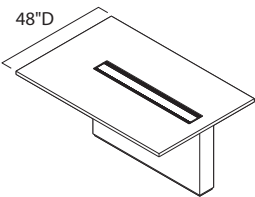
# Statement of Line



Understanding  
▶ Page 74  
Specifying  
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Cantilever Desks				
	72"W	78"W	84"W	90"W
36"D	●	●	●	●

\*Left-hand is shown, right-hand is also available.



Understanding  
▶ Page 74  
Specifying  
▶ Page 112

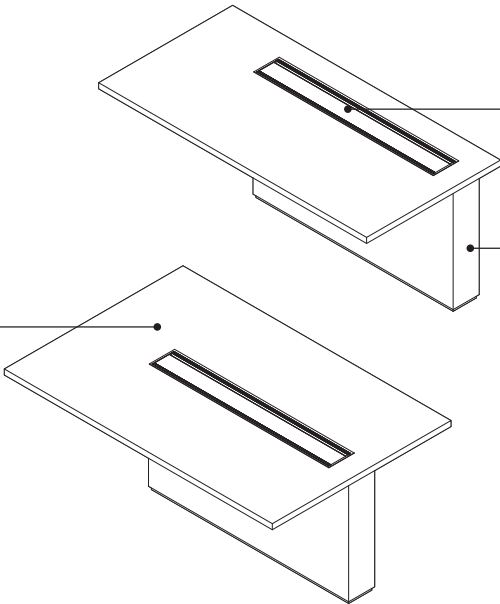
Cantilever Tables		
	72"W	90"W
48"D	●	●

# Cantilever Desks and Tables

**Cantilever desks and tables** connect to FlexFrame workwall using attachment skins.

**Cantilever desks and tables** are not approved to be freestanding or attached to drywall without the use of a FlexFrame workwall.

**Worksurface in wood or laminate** is cantilevered to encourage collaboration.



**Grommet** features a dual direction hinged lid and has connections for power, data, and available media:scape technology.

**TechBox** supports the worksurface and conceals cords, cables, and media:scape electronic components.

Actual Dimensions		
	Cantilever Desks	Cantilever Tables
Depth	36"	48"
Width	72", 78", 84", or 90"	72" or 90"
Height	29½"	29½"

## Product Details

**Desks and tables** have three main components: worksurface, TechBox, and grommet.

**TechBox** is 51" wide. Wider worksurfaces cantilever a great distance from the TechBox.

**Desks** have one cantilever bracket supporting the worksurface. The cantilever bracket is painted black.

**Tables** have two cantilever brackets supporting each corner of the worksurface. The cantilever brackets are painted black.

**Grommets** can support one Eyesite monitor arm using the FrameOne mount.

**Worksurface** is 1½" thick.

## Connections

**Cantilever desks** must attach to workwall using a desk attachment skin.

**Cantilever desks** must attach to a 36" wide section of workwall.

**Cantilever tables** must attach centered on an inner vertical frame piece with sections of equal width on each side. Sections can be 24", 30", or 36" wide.

**Cantilever tables** must attach to workwall using a skin pair for cantilever table attachment.

**Desk and tables** cannot be used freestanding or attached to a building wall.

**SOTO worktools and lighting** can be attached to the rail. SOTO shelves interfere with the swing of the lid and should not be used.

## Wiring & Cabling

**Lid on grommet** opens in both directions affording easy access from either side.

**Lid** can be completely removed for servicing of electronics.

**Grommet** has six power outlets. Two outlets are located on the side to accommodate large power adapters.

**Grommets** utilize Extron Electronics' Architectural Adapter Plates (AAPs) to provide access to data, audio, video, and telephone.

**Each grommet** can accommodate up to two customer provided single space AAPs.

**Grommets** ship with blank cover plates. AAPs are available from Extron Electronics. For information on AAPs and to find an Extron Electronics dealer, contact Extron at 800.633.9876 or online at [www.extron.com](http://www.extron.com).

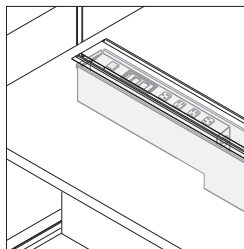
**Power unit in grommet** is available in corded, hard-wired, and modular versions.

**If corded version** connects to workwall base power, it must be located behind a removable skin. See skins section for details. ▶ See *Skins* page 40 for details.

**Cord** is 9 feet with a 15 amp grounded plug.

**Modular version** is a two circuit male connector designed to connect to the workwall power system only.

**Modular version** is always wired to circuit 1.



**Grommets** include an opening for the LED light switch included in workwall light kits.

**If not** using LED lighting, this opening can be used as an additional simplex data port.

**Grommets in desks without media:scape** have an accessory tray convenient for personal electronics.

## Surface Materials

### Worksurface

- Wood veneer with 3 mm wood square edge
- Laminate with plastic edge
- Customiz stain (option on wood)

### TechBox

- Wood Veneer
- Laminate
- Customiz stain (option on wood)

### Grommet

- 4799 Platinum
- 7207 Textured Black
- 7241 Textured Arctic White
- 7246 Midnight Metallic

### Cantilever Bracket

- 7207 Textured Black

# Cantilever Desks and Tables with media:scape

**Cantilever desks and tables with media:scape** create high-performance collaborative applications in private offices and meeting spaces.

**Power cable to detached power cord** is provided within monitor.

**Scaler** insures consistent image resolution to the displays. For power management, the media:scape setting will automatically go into standby mode when media:scape is not in use. The system can be reactivated by simply connecting a device to one of the PUCKs.

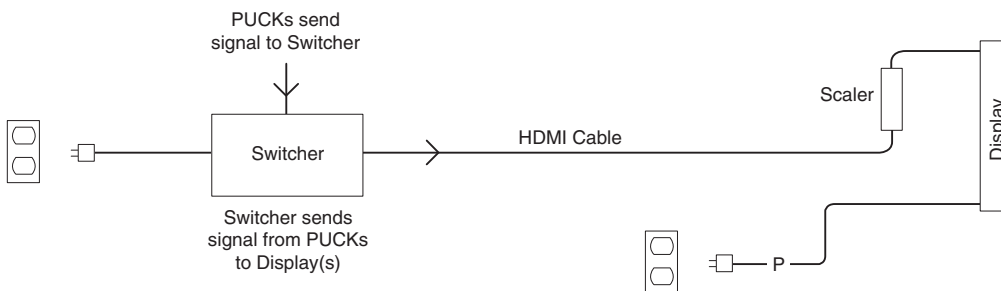
**HDMI cable** receives information from the switcher and sends that information to the scaler. *Note: When integrating with video conferencing, an additional HDMI cable and scaler is required.*

**The switcher** connects to the PUCKs, and controls which user's laptop content is shown on the display(s). Up to four displays can be accommodated.

**PUCK (Personal User Control Key)** plugs into the user's laptop and allows them to send their content to the display by touching an illuminated display number.

**Integrated pulley system** allows PUCKs to be fully retracted into the TechBox to manage cables and stow PUCKs safely when not in use.

## Sequence



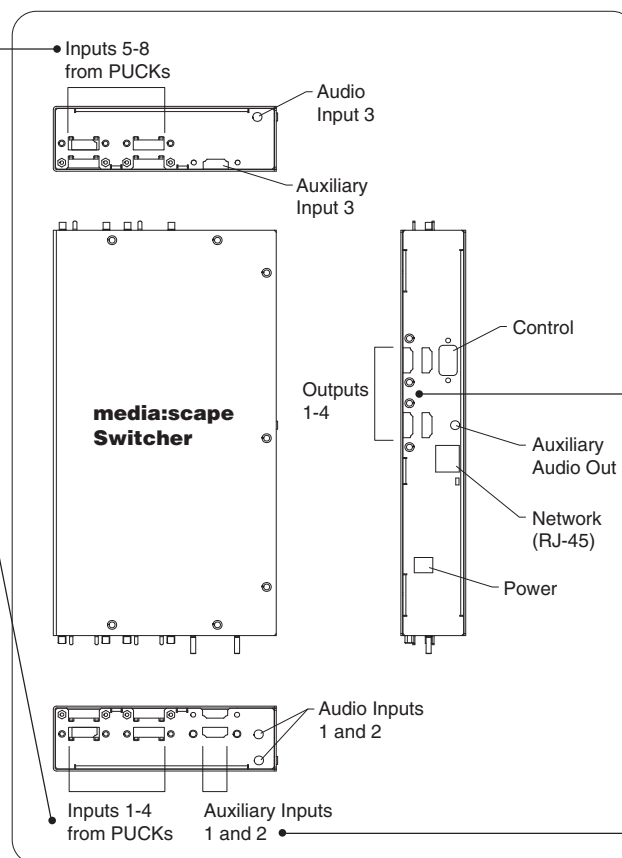
## Actual Dimensions

	Cantilever Desks	Cantilever Tables
Depth	36"	48"
Width	72", 78", 84", or 90"	72" or 90"
Height	29½"	29½"

## Legend

P = Power

**Inputs 1-4 and inputs 5-8** support up to eight PUCKs that can be connected to the media:scape switcher. Although they look like HDMI cables inputs, plugging standard HDMI cables into these sockets can harm the switcher.



**Switcher outputs** are the output jacks to the monitors and projectors. The switcher can handle up to four output displays via HDMI cables.

**Cantilever desks and tables with media:scape** provide two specialized audio/video inputs. For integration with video conferencing, cable television, document cameras, and other devices, please refer to switcher user manual.



## Cantilever Desks and Tables with media:scape, continued

**Product Details**

**Desks and tables** have three main components: worksurface, TechBox, and grommet.

**TechBox** is 51" wide. Wider worksurfaces cantilever a great distance from the TechBox.

**Desks** have one cantilever bracket supporting the worksurface. The cantilever bracket is painted black.

**Tables** have two cantilever brackets supporting each corner of the worksurface. The cantilever brackets are painted black.

**Grommets** can support one Eyesite monitor arm.

**Worksurface** is 1½" thick.

**One scaler** is included with each desk and table.

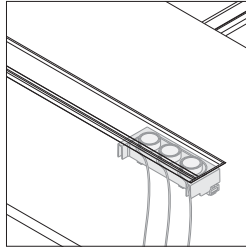
**Refer** to *Integrated Technologies Specification Guide* for additional scalers and HDMI cables as needed.

**Cantilever desks and tables** come with three PUCKs. PUCKs are available with VGA, HDMI, DisplayPort, and Mini DisplayPort connections.

**PUCK** plugs into the user's laptop and allows them to send their content to the display by touching an illuminated display number. The switcher connects to the PUCKs and controls which user's laptop content is shown on the display.

**Virtual PUCK** allows easy and efficient wireless content sharing from laptops and tablets on multiple media:scape displays.  
▶ See *Integrated Technologies Specification Guide* for further details.

**One retractable audio cable** is included with each desk and table.



**PUCK tray** has space for three PUCKs and connectors.

**Integrated pulley system** allows PUCKs to be fully retracted into the TechBox to manage cables and stow PUCKs safely when not in use.

**Indicator light on PUCK tray** communicates system status.

**Steelcase Maintenance Agreement**

**Cantilever desks and tables with media:scape** include a one year Steelcase maintenance agreement to provide an enhanced support system for media:scape settings with digital components. The maintenance agreement covers:

- software/firmware enhancements
- expedited shipping for hardware replacements
- prioritized technical support

**Maintenance agreement renewal** options are available for one, two, and three year periods.

▶ Specifying, page 130

**Connections**

**Cantilever desks** must attach to workwall using a desk attachment skin.

**Cantilever desks** must attach to a 36" wide section of workwall.

**Cantilever tables** must attach centered on an inner vertical frame piece with sections of equal width on each side. Sections can be 24", 30", or 36" wide.

**Cantilever tables** must attach to workwall using a skin pair for cantilever table attachment.

**Desk and tables** cannot be used freestanding or attached to a building wall.

**SOTO worktools and lighting** can be attached to the rail. SOTO shelves interfere with the swing of the lid and should not be used.

**Wiring & Cabling**

**Lid on grommet** opens in both directions affording easy access from either side.

**Lid** can be completely removed for servicing of electronics.

**Grommet** has six power outlets. Two outlets are located on the side to accommodate large power adapters.

**Grommets** utilize Extron Electronics' Architectural Adapter Plates (AAPs) to provide access to data, audio, video, and telephone.

**Each grommet** can accommodate up to two customer provided single space AAPs.

**Grommets** ship with blank cover plates. AAPs are available from Extron Electronics. For information on AAPs and to find an Extron Electronics dealer, contact Extron at 800.633.9876 or online at [www.extron.com](http://www.extron.com).

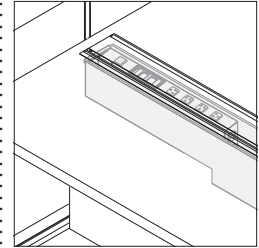
**Power unit in grommet** is available in corded, hard-wired, and modular versions.

**If corded version connects to workwall base power**, it must be located behind a removable skin.  
▶ See *Skins*, page 40 for details.

**Cord** is 9 feet with a 15 amp grounded plug.

**Modular version** is a two circuit male connector designed to connect to the workwall power system only.

**Modular version** is always wired to circuit 1.



**Grommets** include an opening for the LED light switch included in workwall light kits.

**If not using LED lighting**, this opening can be used as an additional simplex data port.

**Surface Materials****Worksurface**

- Wood veneer with 3 mm wood square edge
- Laminate with plastic edge
- Customiz stain (option on wood)

**TechBox**

- Wood Veneer
- Laminate
- Customiz stain (option on wood)

**Grommet**

- 4799 Platinum
- 7207 Textured Black
- 7241 Textured Arctic White
- 7246 Midnight Metallic

**Cantilever Bracket**

- 7207 Textured Black

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# Specifying FlexFrame

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# Configuration Options For Workwall Perimeter Frames

## Legend

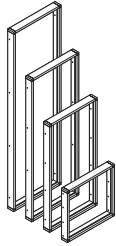
- = Not available
- = Available

► See page 87 for specifying information.

## Sections

One 24"	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
One 30"	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
One 36"	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Two 24"	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
One 24", one 30"	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
One 24", one 36"	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Two 30"	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•	•
One 30", one 36"	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•	•
Two 36"	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•
Three 24"	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•	•
Two 24", one 30"	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•	•
One 24", two 30"	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•
Two 24", one 36"	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•
Three 30"	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•
One 24", one 30", one 36"	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•	•
Two 30", one 36"	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•
One 24", two 36"	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•
One 30", two 36"	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•
Three 36"	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•
Four 24"	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•	•
Three 24", one 30"	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•
Three 24", one 36"	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•
Two 24", two 30"	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•
One 24", three 30"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•
Two 24", one 30", one 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•
Four 30"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•
Two 24", two 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•
One 24", two 30", one 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•
Three 30", one 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•
One 24", one 30", two 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•
One 24", three 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•
Two 30", two 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•
One 30", three 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•
Four 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■
Five 24"	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•	•	•	•	•
Four 24", one 30"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•	•
Four 24", one 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•	•
Three 24", one 30", one 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•	•
Three 24", two 36"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■	•
One 24", four 30"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■
Six 24"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	■

# Workwall Perimeter Frames



## Standard Includes

► Need help?  
Product details,  
page 24

- Workwall perimeter frame, 8043 Clear Anodized Aluminum
- Corner bracket: 4799 Platinum Metallic
- Wall attachment brackets

## Required to Specify

- 1 Style number
- 2 Configuration option

## Required Selections (No Additional Cost)

- Configuration

## Required to Specify

- See Configuration Options, page 86.

## Specification Information

		22 <sup>5</sup> / <sub>8</sub> "H		47 <sup>15</sup> / <sub>16</sub> "H		64 <sup>7</sup> / <sub>16</sub> "H		80 <sup>15</sup> / <sub>16</sub> "H	
Dimensions		Style	U.S.	Style	U.S.	Style	U.S.	Style	U.S.
D W		Number	Price	Number	Price	Number	Price	Number	Price

## Workwall Perimeter Frames

3 <sup>1</sup> / <sub>8</sub> "	24 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2224</b>	\$ 722	<b>FFPF4724</b>	\$ 843	<b>FFPF6424</b>	\$ 995	<b>FFPF8024</b>	\$1146
3 <sup>1</sup> / <sub>8</sub> "	30 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2230</b>	\$ 744	<b>FFPF4730</b>	\$ 866	<b>FFPF6430</b>	\$1018	<b>FFPF8030</b>	\$1171
3 <sup>1</sup> / <sub>8</sub> "	36 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2236</b>	\$ 768	<b>FFPF4736</b>	\$ 889	<b>FFPF6436</b>	\$1042	<b>FFPF8036</b>	\$1193
3 <sup>1</sup> / <sub>8</sub> "	48 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2248</b>	\$ 791	<b>FFPF4748</b>	\$ 912	<b>FFPF6448</b>	\$1064	<b>FFPF8048</b>	\$1218
3 <sup>1</sup> / <sub>8</sub> "	54 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2254</b>	\$ 814	<b>FFPF4754</b>	\$ 936	<b>FFPF6454</b>	\$1088	<b>FFPF8054</b>	\$1240
3 <sup>1</sup> / <sub>8</sub> "	60 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2260</b>	\$ 838	<b>FFPF4760</b>	\$ 960	<b>FFPF6460</b>	\$1111	<b>FFPF8060</b>	\$1263
3 <sup>1</sup> / <sub>8</sub> "	66 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2266</b>	\$ 860	<b>FFPF4766</b>	\$ 983	<b>FFPF6466</b>	\$1135	<b>FFPF8066</b>	\$1287
3 <sup>1</sup> / <sub>8</sub> "	72 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2272</b>	\$ 885	<b>FFPF4772</b>	\$1007	<b>FFPF6472</b>	\$1160	<b>FFPF8072</b>	\$1310
3 <sup>1</sup> / <sub>8</sub> "	78 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2278</b>	\$ 908	<b>FFPF4778</b>	\$1030	<b>FFPF6478</b>	\$1182	<b>FFPF8078</b>	\$1336
3 <sup>1</sup> / <sub>8</sub> "	84 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2284</b>	\$ 932	<b>FFPF4784</b>	\$1054	<b>FFPF6484</b>	\$1205	<b>FFPF8084</b>	\$1357
3 <sup>1</sup> / <sub>8</sub> "	90 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2290</b>	\$ 955	<b>FFPF4790</b>	\$1077	<b>FFPF6490</b>	\$1229	<b>FFPF8090</b>	\$1382
3 <sup>1</sup> / <sub>8</sub> "	96 <sup>7</sup> / <sub>8</sub> "	<b>FFPF2296</b>	\$ 977	<b>FFPF4796</b>	\$1101	<b>FFPF6496</b>	\$1253	<b>FFPF8096</b>	\$1404
3 <sup>1</sup> / <sub>8</sub> "	102 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22102</b>	\$1001	<b>FFPF47102</b>	\$1123	<b>FFPF64102</b>	\$1276	<b>FFPF80102</b>	\$1428
3 <sup>1</sup> / <sub>8</sub> "	108 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22108</b>	\$1024	<b>FFPF47108</b>	\$1146	<b>FFPF64108</b>	\$1299	<b>FFPF80108</b>	\$1452
3 <sup>1</sup> / <sub>8</sub> "	114 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22114</b>	\$1050	<b>FFPF47114</b>	\$1171	<b>FFPF64114</b>	\$1322	<b>FFPF80114</b>	\$1474
3 <sup>1</sup> / <sub>8</sub> "	120 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22120</b>	\$1073	<b>FFPF47120</b>	\$1193	<b>FFPF64120</b>	\$1346	<b>FFPF80120</b>	\$1499
3 <sup>1</sup> / <sub>8</sub> "	126 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22126</b>	\$1095	<b>FFPF47126</b>	\$1218	<b>FFPF64126</b>	\$1369	<b>FFPF80126</b>	\$1521
3 <sup>1</sup> / <sub>8</sub> "	132 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22132</b>	\$1119	<b>FFPF47132</b>	\$1240	<b>FFPF64132</b>	\$1393	<b>FFPF80132</b>	\$1545
3 <sup>1</sup> / <sub>8</sub> "	138 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22138</b>	\$1142	<b>FFPF47138</b>	\$1263	<b>FFPF64138</b>	\$1416	<b>FFPF80138</b>	\$1568
3 <sup>1</sup> / <sub>8</sub> "	144 <sup>7</sup> / <sub>8</sub> "	<b>FFPF22144</b>	\$1166	<b>FFPF47144</b>	\$1287	<b>FFPF64144</b>	\$1439	<b>FFPF80144</b>	\$1591

*Tip: Inner vertical frame pieces must be ordered separately to create sections within the workwall perimeter frame. The exception is 24<sup>7</sup>/<sub>8</sub>", 30<sup>7</sup>/<sub>8</sub>", and 36<sup>7</sup>/<sub>8</sub>" do not use an inner vertical frame piece.*

*Tip: Spacer brackets are shipped with workwall perimeter frame to provide accurate spacing for inner vertical frame pieces.*



### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

# Inner Vertical Frame Pieces

*Tip: Height of inner vertical frame pieces must coincide with height of workwall perimeter frame.*

Standard Includes		Required to Specify
► Need help? Product details, page 26	<ul style="list-style-type: none"> <li>Inner vertical frame, 8043 Clear Anodized Aluminum</li> <li>Attachment hardware</li> </ul>	Style number

## Specification Information

Dimensions			Style	U.S.
D	W	H	Number	Price

### For Use with 22<sup>5</sup>/<sub>8</sub>"H Workwall Perimeter Frames

3 <sup>1</sup> / <sub>8</sub> "	7 <sup>7</sup> / <sub>8</sub> "	21 <sup>9</sup> / <sub>16</sub> "	<b>FFVF21</b>	\$282
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### For Use with 47<sup>15</sup>/<sub>16</sub>"H Workwall Perimeter Frames

3 <sup>1</sup> / <sub>8</sub> "	7 <sup>7</sup> / <sub>8</sub> "	46 <sup>15</sup> / <sub>16</sub> "	<b>FFVF46</b>	\$351
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### For Use with 64<sup>7</sup>/<sub>16</sub>"H Workwall Perimeter Frames

3 <sup>1</sup> / <sub>8</sub> "	7 <sup>7</sup> / <sub>8</sub> "	63 <sup>7</sup> / <sub>16</sub> "	<b>FFVF63</b>	\$439
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### For Use with 80<sup>15</sup>/<sub>16</sub>"H Workwall Perimeter Frames

3 <sup>1</sup> / <sub>8</sub> "	7 <sup>7</sup> / <sub>8</sub> "	79 <sup>15</sup> / <sub>16</sub> "	<b>FFVF79</b>	\$527
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*Tip: Spacer brackets are shipped with workwall perimeter frame to provide accurate spacing for inner vertical frame pieces.*

*Tip: Number of inner vertical frame pieces needed is determined during specification of configurations for workwall perimeter frame.*



#### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

# Double Shelves

*Tip: Skins can be applied between upper and lower shelves. Specify skins for use with double shelves.*

*Tip: Shelves are assembled in the field.*

*Tip: Specify a wire cut-out cover when a skin is not specified above the top shelf and between the shelves.*

## Standard Includes

► Need help?  
Product details,  
page 32

- Shelf: Low-Pressure Laminate or wood
- Blades: painted metal
- Wire management cut-out

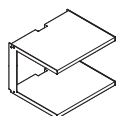
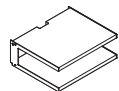
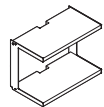
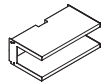
## Required to Specify

- 1 Style number
- 2 Finish color number for shelf
- 3 Paint color number for blades
- 4 Options, if selected (see below)
- See *Surface Materials*, page 122.

	Options	U.S. Price	Required to Specify
<b>Surface Materials</b>	<ul style="list-style-type: none"> <li>• Premium Wood 2</li> <li>• Premium Wood 3</li> <li>• Customiz Stain</li> </ul>	Prices below Prices below No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify with <i>Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> .
<b>Wire Management Cut-Out</b>	<ul style="list-style-type: none"> <li>• Delete wire management cut-out</li> </ul>	No cost	Specify with <i>no cut-out</i> .
<b>LED Lights</b>	<ul style="list-style-type: none"> <li>• One shelf with lights</li> <li>• Two shelves with lights</li> </ul>	Prices below Prices below	Specify with <i>1 shelf with lights</i> . Specify with <i>2 shelves with lights</i> .
<b>Related Products</b>	<ul style="list-style-type: none"> <li>• Skins for shelves</li> <li>• Wire management cut-out cover</li> </ul>		► Page 96 ► Page 102

## Specification Information

Dimensions			Style Number	U.S. Base Prices		Options (Add \$ to Base Price)			
D	W	H		LPL	Wood	Premium Wood Wood 2	Premium Wood Wood 3	One Shelf With Lights	Two Shelves With Lights
12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	<b>FFSH12238C</b>	\$445	\$638	+\$47	+\$164	+\$235	+\$470
12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	<b>FFSH12298C</b>	\$470	\$673	+\$69	+\$242	+\$263	+\$526
12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	<b>FFSH12358C</b>	\$495	\$708	+\$69	+\$242	+\$292	+\$584
12 <sup>3</sup> / <sub>4</sub> "	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	<b>FFSH122316C</b>	\$509	\$726	+\$47	+\$164	+\$235	+\$470
12 <sup>3</sup> / <sub>4</sub> "	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	<b>FFSH122916C</b>	\$534	\$762	+\$69	+\$242	+\$263	+\$526
12 <sup>3</sup> / <sub>4</sub> "	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	<b>FFSH123516C</b>	\$556	\$795	+\$69	+\$242	+\$292	+\$584
19"	23 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	<b>FFSH19238C</b>	\$527	\$754	+\$69	+\$242	+\$235	+\$470
19"	29 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	<b>FFSH19298C</b>	\$552	\$790	+\$69	+\$242	+\$263	+\$526
19"	35 <sup>1</sup> / <sub>16</sub> "	8 <sup>1</sup> / <sub>4</sub> "	<b>FFSH19358C</b>	\$578	\$825	+\$96	+\$335	+\$292	+\$584
19"	23 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	<b>FFSH192316C</b>	\$591	\$843	+\$69	+\$242	+\$235	+\$470
19"	29 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	<b>FFSH192916C</b>	\$615	\$878	+\$69	+\$242	+\$263	+\$526
19"	35 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>2</sub> "	<b>FFSH193516C</b>	\$639	\$912	+\$96	+\$335	+\$292	+\$584



 **For Canadian Pricing**  
Multiply U.S. Price by the  
Canadian price factor.  
► See page 1 for details.

# Single Shelves

Tip: Shelves are assembled in the field.

Standard Includes	Required to Specify
<p>► Need help? Product details, page 32</p> <ul style="list-style-type: none"> <li>Shelf: Low-Pressure Laminate or wood</li> <li>Blades: painted metal</li> <li>Wire management cut-out</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Finish color number for shelf</li> <li>3 Paint color number for blades</li> <li>4 Options, if selected (see below)</li> </ul> <p>► See <i>Surface Materials</i>, page 122.</p>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b> <ul style="list-style-type: none"> <li>Premium Wood 2</li> <li>Premium Wood 3</li> <li>Customiz Stain</li> </ul>	Prices below and at right Prices below and at right No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify with <i>Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> .
<b>Wire Management Cut-out</b> <ul style="list-style-type: none"> <li>Delete wire management cut-out</li> </ul>	No cost	Specify with <i>no cut-out</i> .
<b>LED Lights</b> <ul style="list-style-type: none"> <li>One shelf with lights</li> </ul>	Prices below and at right	Specify with <i>1 shelf with lights</i> .
<b>Related Products</b> <ul style="list-style-type: none"> <li>Skins for shelves</li> <li>Wire management cut-out cover</li> </ul>		► Page 96 ► Page 102

Tip: A light kit must be specified when ordering lights.

Tip: Skins can be applied directly below shelf. Specify skin for use with single shelf.

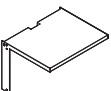
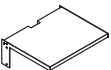
Tip: Specify a wire cut-out cover when a skin is not specified above the shelf.

Specification Information									
Dimensions			Style Number	U.S. Base Prices		Options (Add \$ to Base Price)			
D	W	H							
				LPL	Wood	Premium Wood	Wood 2	Wood 3	One Shelf
									With Lights

## Upper Shelves

12¾"	23⅛"	8¼"	<b>FFSH12238U</b>	\$233	\$333	+\$28	+\$ 94	+\$235
12¾"	29⅛"	8¼"	<b>FFSH12298U</b>	\$244	\$351	+\$28	+\$ 94	+\$263
12¾"	35⅛"	8¼"	<b>FFSH12358U</b>	\$258	\$370	+\$47	+\$164	+\$292
12¾"	23⅛"	16½"	<b>FFSH122316U</b>	\$252	\$362	+\$28	+\$ 94	+\$235
12¾"	29⅛"	16½"	<b>FFSH122916U</b>	\$265	\$380	+\$28	+\$ 94	+\$263
12¾"	35⅛"	16½"	<b>FFSH123516U</b>	\$279	\$398	+\$47	+\$164	+\$292
19"	23⅛"	8¼"	<b>FFSH19238U</b>	\$274	\$392	+\$47	+\$164	+\$235
19"	29⅛"	8¼"	<b>FFSH19298U</b>	\$287	\$410	+\$47	+\$164	+\$263
19"	35⅛"	8¼"	<b>FFSH19358U</b>	\$299	\$427	+\$47	+\$164	+\$292
19"	23⅛"	16½"	<b>FFSH192316U</b>	\$294	\$420	+\$47	+\$164	+\$235
19"	29⅛"	16½"	<b>FFSH192916U</b>	\$307	\$439	+\$47	+\$164	+\$263
19"	35⅛"	16½"	<b>FFSH193516U</b>	\$321	\$457	+\$47	+\$164	+\$292

► Specification Information, continued on next page



**For Canadian Pricing**  
 Multiply U.S. Price by the  
 Canadian price factor.  
 ► See page 1 for details.

## ► Specification Information, continued from previous page

Tip: Skins can be applied directly above shelf. Specify skin for use with single shelf.

## Specification Information

Dimensions			Style Number	U.S. Base Prices		Options (Add \$ to Base Price)		
D	W	H		LPL	Wood	Premium Wood Wood 2	Wood 3	One Shelf With Lights

## Lower Shelves

12¾"	23½"	8¼"	<b>FFSH12238W</b>	\$233	\$333	+\$28	+\$ 94	+\$235
12¾"	29½"	8¼"	<b>FFSH12298W</b>	\$244	\$351	+\$28	+\$ 94	+\$263
12¾"	35½"	8¼"	<b>FFSH12358W</b>	\$258	\$370	+\$47	+\$164	+\$292
:	:	:	:	:	:	:	:	:
12¾"	23½"	16½"	<b>FFSH122316W</b>	\$252	\$362	+\$28	+\$ 94	+\$235
12¾"	29½"	16½"	<b>FFSH122916W</b>	\$265	\$380	+\$28	+\$ 94	+\$263
12¾"	35½"	16½"	<b>FFSH123516W</b>	\$279	\$398	+\$47	+\$164	+\$292
:	:	:	:	:	:	:	:	:
19"	23½"	8¼"	<b>FFSH19238W</b>	\$274	\$392	+\$47	+\$164	+\$235
19"	29½"	8¼"	<b>FFSH19298W</b>	\$287	\$410	+\$47	+\$164	+\$263
19"	35½"	8¼"	<b>FFSH19358W</b>	\$299	\$427	+\$47	+\$164	+\$292
:	:	:	:	:	:	:	:	:
19"	23½"	16½"	<b>FFSH192316W</b>	\$294	\$420	+\$47	+\$164	+\$235
19"	29½"	16½"	<b>FFSH192916W</b>	\$307	\$439	+\$47	+\$164	+\$263
19"	35½"	16½"	<b>FFSH193516W</b>	\$321	\$457	+\$47	+\$164	+\$292
:	:	:	:	:	:	:	:	:

**For Canadian Pricing**

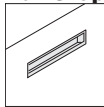
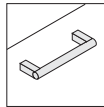
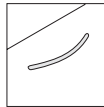
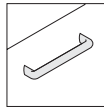
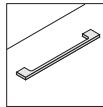
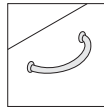
Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.



# Bins and Drawers

	Standard Includes	Required to Specify
► Need help? Product details, page 32	<ul style="list-style-type: none"> <li>Bins or drawers: Low-Pressure Laminate or wood</li> <li>Pull: painted metal</li> <li>Blades: painted metal</li> </ul>	1 Style number 2 Finish color number for shelf 3 Paint color number for blades 4 Pull shape (see below under required selections) 5 Finish color number for pull ► See <i>Surface Materials</i> , page 122.

Required Selections					
Pull Shape					
					
Flush	Bar	Contemporary	Jazz	Nile	Handle

	Options	U.S. Price	Required to Specify
<b>Surface Materials</b>	<ul style="list-style-type: none"> <li>Premium Wood 2</li> <li>Premium Wood 3</li> <li>Customiz Stain</li> </ul>	Prices below Prices below No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify <i>with Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction</b>	<ul style="list-style-type: none"> <li>Horizontal grain direction on fronts</li> <li>Vertical grain direction on fronts</li> </ul>	No cost No cost	Specify <i>with horizontal application</i> . Specify <i>with vertical application</i> .
<b>Wire Management Cut-out</b>	<ul style="list-style-type: none"> <li>Delete wire management cut-out</li> </ul>	No cost	Specify <i>with no cut-out</i> .
<b>LED Lights</b>	<ul style="list-style-type: none"> <li>One shelf light</li> </ul>	Prices below	Specify <i>with 1 shelf with lights</i> .
<b>Related Products</b>	<ul style="list-style-type: none"> <li>Skins for shelves</li> <li>Wire management cut-out cover</li> </ul>		► Page 96 ► Page 102

Tip: A light kit must be specified when ordering lights.

Tip: Skins can be used in a bin. Specify skin for use with bin.

Tip: Specify a cable management skin when putting receptacles behind a bin.

Tip: Specify a wire cut-out cover when a skin is not specified above the shelf.

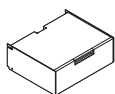
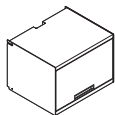
Specification Information						
Dimensions	Style	U.S.	Options			
D W H	Number	Base Prices	(Add \$ to Base Price)			
		LPL Wood	Premium Wood Wood 2 Wood 3	Shelf Light		

## Bins

19"	23 1/16"	16 1/2"	<b>FFSH192316B</b>	\$ 978	\$1398	+\$ 69	+\$242	+\$235
19"	29 1/16"	16 1/2"	<b>FFSH192916B</b>	\$1001	\$1433	+\$ 96	+\$335	+\$263
19"	35 1/16"	16 1/2"	<b>FFSH193516B</b>	\$1030	\$1469	+\$124	+\$436	+\$292

## Drawers

19"	23 1/16"	8 1/4"	<b>FFSH19238D</b>	\$ 610	\$ 873	+\$ 47	+\$164	+\$235
19"	29 1/16"	8 1/4"	<b>FFSH19298D</b>	\$ 635	\$ 907	+\$ 69	+\$242	+\$263
19"	35 1/16"	8 1/4"	<b>FFSH19358D</b>	\$ 660	\$ 942	+\$ 69	+\$242	+\$292



Tip: Receptacle kits can not be used behind a drawer.



# Skins



Tip: These skins are not for use with shelves and bins. See skins for shelves and bins to specify, page 96.

Tip: Skins come standard with blades.

Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 40</li> <li>• Skin: fabric, Low-Pressure Laminate, glass, or wood</li> <li>• Blades: painted metal</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Finish color number for skin</li> <li>3 Paint color number for blades</li> <li>4 Power unit configuration on technology skins, if selected</li> <li>5 Power unit type on technology skins, if selected</li> <li>6 Options, if selected (see below)</li> </ol> <p>▶ See <i>Surface Materials</i>, page 122.</p>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b> <b>Horizontal or vertical application</b> <ul style="list-style-type: none"> <li>• Fabric price group A</li> <li>• Fabric price group 1</li> <li>• Fabric price group 2</li> <li>• Fabric price group 3</li> <li>• Fabric price group 4</li> <li>• Fabric price group 5</li> <li>• Fabric price group 6</li> <li>• Fabric price group 7</li> <li>• Fabric price group COM</li> <li>• Premium Wood 2</li> <li>• Premium Wood 3</li> <li>• Customiz Stain</li> </ul>	No cost No cost No cost +\$ 27 +\$ 48 +\$ 77 +\$120 +\$165 +\$208 +\$ 16 Prices at right Prices at right No cost	Specify <i>with horizontal or vertical application</i> . Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify <i>with Customiz Stain</i> . ▶ See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction</b> <ul style="list-style-type: none"> <li>• Horizontal grain direction</li> <li>• Vertical grain direction</li> </ul>	No cost No cost	Specify <i>with horizontal application</i> . Specify <i>with vertical application</i> .
<b>Power Unit Configuration On Technology Skins</b> <ul style="list-style-type: none"> <li>• Data/Power/Power</li> <li>• Data/Power/Switch</li> </ul>	No cost No cost	Specify <i>with Data/Power/Power</i> . Specify <i>with Data/Power/Switch</i> .
<b>Power Unit Type on Technology Skins</b> <ul style="list-style-type: none"> <li>• Corded</li> <li>• Hardwire</li> <li>• Modular</li> </ul>	No cost No cost No cost	Specify <i>with corded</i> . Specify <i>with hardwire</i> . Specify <i>with modular</i> .



## For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

▶ See page 1 for details.

## Specification Information

Dimensions		Style Number	U.S. Base Prices				Options (Add \$ to Base Price)	
W	H		Fabric	LPL	Wood	Glass	Premium Wood Wood 2	Wood 3

## 8 1/4" High Skins

23 1/16"	8 1/4"	<b>FFKK238</b>	\$220	\$237	\$338	N.A.	+\$55	+\$196
29 1/16"	8 1/4"	<b>FFKK298</b>	\$227	\$243	\$348	N.A.	+\$55	+\$196
35 1/16"	8 1/4"	<b>FFKK358</b>	\$235	\$251	\$360	N.A.	+\$55	+\$196

## 16 1/2" High Skins

23 1/16"	16 1/2"	<b>FFKK2316</b>	\$244	\$261	\$373	N.A.	+\$55	+\$196
29 1/16"	16 1/2"	<b>FFKK2916</b>	\$250	\$269	\$384	N.A.	+\$55	+\$196
35 1/16"	16 1/2"	<b>FFKK3516</b>	\$259	\$278	\$396	N.A.	+\$55	+\$196

## 33" High Skins

23 1/16"	33"	<b>FFKK2333</b>	\$264	\$285	\$406	\$ 732	+\$93	+\$328
29 1/16"	33"	<b>FFKK2933</b>	\$273	\$295	\$420	\$ 792	+\$93	+\$328
35 1/16"	33"	<b>FFKK3533</b>	\$279	\$302	\$431	\$ 847	+\$93	+\$328

## 49 1/2" High Skins

23 1/16"	49 1/2"	<b>FFKK2349</b>	\$285	\$308	\$440	\$ 866	+\$93	+\$328
29 1/16"	49 1/2"	<b>FFKK2949</b>	\$295	\$319	\$454	\$ 923	+\$93	+\$328
35 1/16"	49 1/2"	<b>FFKK3549</b>	\$303	\$328	\$467	\$1041	+\$93	+\$328

## Technology Skins

23 1/16"	16 1/2"	<b>FFKK2316T</b>	\$595	\$612	\$724	N.A.	+\$55	+\$196
29 1/16"	16 1/2"	<b>FFKK2916T</b>	\$601	\$620	\$735	N.A.	+\$55	+\$196
35 1/16"	16 1/2"	<b>FFKK3516T</b>	\$610	\$629	\$747	N.A.	+\$55	+\$196

## Cable Management Skins

23 1/16"	16 1/2"	<b>FFKK2316M</b>	\$361	\$378	\$490	N.A.	+\$55	+\$196
29 1/16"	16 1/2"	<b>FFKK2916M</b>	\$367	\$386	\$501	N.A.	+\$55	+\$196
35 1/16"	16 1/2"	<b>FFKK3516M</b>	\$376	\$395	\$513	N.A.	+\$55	+\$196



**For Canadian Pricing**  
Multiply U.S. Price by the  
Canadian price factor.  
▶ See page 1 for details.

# Skins For Shelves and Bins

*Tip: These skins are only for use with shelves and bins.*

*Tip: Skins do not have blades. Blades are standard on shelves and bins.*

Standard Includes	Required to Specify
<p>► Need help? Product details, page 40</p> <ul style="list-style-type: none"> <li>• Skin: fabric, Low-Pressure Laminate, glass, or wood</li> <li>• Blades: painted metal</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Finish color number for skin</li> <li>3 Paint color number for blades</li> <li>4 Power unit configuration on technology skins, if selected</li> <li>5 Power unit type on technology skins, if selected</li> <li>6 Options, if selected (see below)</li> </ol> <p>► See <i>Surface Materials</i>, page 122.</p>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b> <b>Horizontal or vertical application</b> <ul style="list-style-type: none"> <li>• Fabric price group A</li> <li>• Fabric price group 1</li> <li>• Fabric price group 2</li> <li>• Fabric price group 3</li> <li>• Fabric price group 4</li> <li>• Fabric price group 5</li> <li>• Fabric price group 6</li> <li>• Fabric price group 7</li> <li>• Fabric price group COM</li> <li>• Premium Wood 2</li> <li>• Premium Wood 3</li> <li>• Customiz Stain</li> </ul>	No cost  No cost No cost +\$ 27 +\$ 48 +\$ 77 +\$120 +\$165 +\$208 +\$ 16 Prices below and at right Prices below and at right No cost	Specify <i>with horizontal or vertical application</i> . Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify Premium Wood 2 finish number.  Specify Premium Wood 3 finish number.  Specify <i>with Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction</b> <ul style="list-style-type: none"> <li>• Horizontal grain direction</li> <li>• Vertical grain direction</li> </ul>	No cost No cost	Specify <i>with horizontal application</i> . Specify <i>with vertical application</i> .
<b>Power Unit Configuration On Technology Skins</b> <ul style="list-style-type: none"> <li>• Data/Power/Power</li> <li>• Data/Power/Switch</li> </ul>	No cost No cost	Specify <i>with Data/Power/Power</i> . Specify <i>with Data/Power/Switch</i> .
<b>Power Unit Type on Technology Skins</b> <ul style="list-style-type: none"> <li>• Corded</li> <li>• Hardwire</li> <li>• Modular</li> </ul>	No cost No cost No cost	Specify <i>with corded</i> . Specify <i>with hardwire</i> . Specify <i>with modular</i> .

Specification Information			
Dimensions W H	Style Number	U.S. Base Prices	Options (Add \$ to Base Price)
		Fabric LPL Wood	Premium Wood Wood 2 Wood 3

## Skins For 8<sup>1</sup>/<sub>4</sub>"H Double Shelves

22 <sup>1</sup> / <sub>16</sub> "	5 <sup>3</sup> / <sub>4</sub> "	<b>FFKD225</b>	\$173	\$190	\$291	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	5 <sup>3</sup> / <sub>4</sub> "	<b>FFKD285</b>	\$180	\$196	\$301	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	5 <sup>3</sup> / <sub>4</sub> "	<b>FFKD345</b>	\$188	\$204	\$313	+\$55	+\$196

► Specification Information, continued on next page



### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

## ► Specification Information, continued from previous page

## Specification Information

Dimensions W      H	Style Number	U.S. Base Prices			Options (Add \$ to Base Price)		
		Fabric	LPL	Wood	Premium Wood Wood 2	Wood 3	

Skins For 16<sup>1</sup>/<sub>2</sub>"H Double Shelves

22 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD2214</b>	\$197	\$214	\$326	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD2814</b>	\$203	\$222	\$337	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD3414</b>	\$212	\$231	\$349	+\$55	+\$196

Technology Skins For 16<sup>1</sup>/<sub>2</sub>"H Double Shelves

22 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD2214T</b>	\$548	\$565	\$677	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD2814T</b>	\$554	\$573	\$688	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD3414T</b>	\$563	\$582	\$700	+\$55	+\$196

Cable Management Skins For 16<sup>1</sup>/<sub>2</sub>"H Double Shelves

22 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD2214M</b>	\$314	\$331	\$443	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD2814M</b>	\$320	\$339	\$454	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	14"	<b>FFKD3414M</b>	\$329	\$348	\$466	+\$55	+\$196

Skins For 8<sup>1</sup>/<sub>4</sub>"H Single Shelves

22 <sup>1</sup> / <sub>16</sub> "	7"	<b>FFKS227</b>	\$173	\$190	\$291	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	7"	<b>FFKS287</b>	\$180	\$196	\$301	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	7"	<b>FFKS347</b>	\$188	\$204	\$313	+\$55	+\$196

Skins For 16<sup>1</sup>/<sub>2</sub>"H Single Shelves

22 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS2215</b>	\$197	\$214	\$326	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS2815</b>	\$203	\$222	\$337	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS3415</b>	\$212	\$231	\$349	+\$55	+\$196

Technology Skins For 16<sup>1</sup>/<sub>2</sub>"H Single Shelves

22 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS2215T</b>	\$548	\$565	\$677	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS2815T</b>	\$554	\$573	\$688	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS3415T</b>	\$563	\$582	\$700	+\$55	+\$196

Cable Management Skins For 16<sup>1</sup>/<sub>2</sub>"H Single Shelves

22 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS2215M</b>	\$314	\$331	\$443	+\$55	+\$196
28 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS2815M</b>	\$320	\$339	\$454	+\$55	+\$196
34 <sup>1</sup> / <sub>16</sub> "	15 <sup>1</sup> / <sub>4</sub> "	<b>FFKS3415M</b>	\$329	\$348	\$466	+\$55	+\$196



**For Canadian Pricing**  
Multiply U.S. Price by the  
Canadian price factor.  
► See page 1 for details.

## ► Specification Information, continued on next page

## Skins For Shelves and Bins, continued

## ► Specification Information, continued from previous page

## Specification Information

• Dimensions		• Style Number	• U.S. Base Prices			• Options (Add \$ to Base Price)	
W	H		Fabric	LPL	Wood	Premium Wood Wood 2	Wood 3

## Skins For Bins

22 <sup>11</sup> / <sub>16</sub> "	14"	<b>FFKB2214</b>	\$197	\$214	\$326	+\$55	+\$196
28 <sup>11</sup> / <sub>16</sub> "	14"	<b>FFKB2814</b>	\$203	\$222	\$337	+\$55	+\$196
34 <sup>11</sup> / <sub>16</sub> "	14"	<b>FFKB3414</b>	\$212	\$231	\$349	+\$55	+\$196
:	:	:	:	:	:	:	:

## Cable Management Skins For Bins

22 <sup>11</sup> / <sub>16</sub> "	14"	<b>FFKB2214M</b>	\$314	\$331	\$443	+\$55	+\$196
28 <sup>11</sup> / <sub>16</sub> "	14"	<b>FFKB2814M</b>	\$321	\$340	\$455	+\$55	+\$196
34 <sup>11</sup> / <sub>16</sub> "	14"	<b>FFKB3414M</b>	\$328	\$347	\$465	+\$55	+\$196
:	:	:	:	:	:	:	:



Tip: Skins for bins are set back 1" from front edge of frame. Receptacle kits can not be placed behind skins for bins.



Tip: Specify a cable management skin when placing a receptacle kit behind the bin.

**For Canadian Pricing**

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

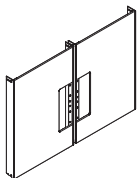
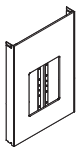
Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 40</li> <li>• Skin: fabric, Low-Pressure Laminate, or wood</li> <li>• Blades: painted metal</li> </ul>	<ul style="list-style-type: none"> <li>1 Style number</li> <li>2 Finish color number for skin</li> <li>3 Paint color number for blades</li> <li>4 Options, if selected (see below)</li> <li>▶ See <i>Surface Materials</i>, page 122.</li> </ul>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b>	No cost	Specify with horizontal or vertical application.
Horizontal or vertical application	No cost	Specify fabric color number.
• Fabric price group A	No cost	Specify fabric color number.
• Fabric price group 1	+\$ 27	Specify fabric color number.
• Fabric price group 2	+\$ 48	Specify fabric color number.
• Fabric price group 3	+\$ 77	Specify fabric color number.
• Fabric price group 4	+\$ 120	Specify fabric color number.
• Fabric price group 5	+\$ 165	Specify fabric color number.
• Fabric price group 6	+\$ 208	Specify fabric color number.
• Fabric price group 7	+\$ 16	Specify fabric color number.
• Fabric price group COM	Prices below	Specify Premium Wood 2 finish number.
• Premium Wood 2	Prices below	Specify Premium Wood 3 finish number.
• Premium Wood 3	No cost	Specify with Customiz Stain.
• Customiz Stain		▶ See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction</b>	No cost	Specify with horizontal application.
• Horizontal grain direction	No cost	Specify with vertical application.
• Vertical grain direction		
<b>Brackets with No Shroud</b>	No cost	Specify with small bracket.
• Bracket for 32" or smaller monitor	No cost	Specify with large bracket.
• Bracket for larger than 32" monitor		
<b>Brackets with Shroud</b>	+\$1445	Specify with 32" shroud.
• 32" shroud	+\$1708	Specify with 42" shroud.
• 42" shroud	+\$1849	Specify with 46" shroud.
• 46" shroud	+\$2165	Specify with 55" shroud.
• 55" shroud	+\$2516	Specify with 65" shroud.
• 65" shroud		

## Specification Information

Dimensions W H	Style Number	U.S. Base Prices	Options (Add \$ to Base Price)
		Fabric LPL Wood	Premium Wood Wood 2 Wood 3

Tip: TV attachment skins support monitors up to 65" and up to 200 pounds.



## TV Attachment Skins — Centered Application

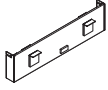
23 1/16"	33"	<b>FFKT2333C</b>	\$381	\$402	\$523	+\$ 93	+\$328
29 1/16"	33"	<b>FFKT2933C</b>	\$389	\$411	\$536	+\$ 93	+\$328
35 1/16"	33"	<b>FFKT3533C</b>	\$397	\$420	\$549	+\$ 93	+\$328

## TV Attachment Skins, Pair — Spanning Application

23 1/16"	33"	<b>FFKT2333S</b>	\$646	\$688	\$931	+\$138	+\$485
29 1/16"	33"	<b>FFKT2933S</b>	\$662	\$704	\$955	+\$138	+\$485
35 1/16"	33"	<b>FFKT3533S</b>	\$677	\$719	\$978	+\$138	+\$485



# Worksurface Attachment Skins



Standard Includes	Required to Specify
<p>► Need help? Product details, page 44</p> <ul style="list-style-type: none"> <li>• Skin: wood, Low-Pressure Laminate, or fabric</li> <li>• Brackets: painted metal</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Finish color number for skin</li> <li>3 Paint color number for brackets</li> <li>4 Options, if selected (see below)</li> </ol> <p>► See <i>Surface Materials</i>, page 122.</p>

	Options	U.S. Price	Required to Specify
<b>Surface Materials</b>	<b>Horizontal or vertical application</b>	No cost	Specify <i>with horizontal or vertical application</i> .
	• Fabric price group A	No cost	Specify fabric color number.
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+\$ 27	Specify fabric color number.
	• Fabric price group 3	+\$ 48	Specify fabric color number.
	• Fabric price group 4	+\$ 77	Specify fabric color number.
	• Fabric price group 5	+\$120	Specify fabric color number.
	• Fabric price group 6	+\$165	Specify fabric color number.
	• Fabric price group 7	+\$208	Specify fabric color number.
	• Fabric price group COM	+\$ 16	► See <i>Surface Materials Reference Manual</i> .
	• Premium Wood 2	Prices below	Specify Premium Wood 2 finish number.
	• Premium Wood 3	Prices below	Specify Premium Wood 3 finish number.
	• Customiz Stain	No cost	Specify <i>with Customiz Stain</i> .
	• Full-fill finish	No cost	► See <i>Surface Materials Reference Manual</i> . Specify full-fill finish number.
<b>Wood Veneer Grain Direction</b>	• Horizontal grain direction	No cost	Specify <i>with horizontal grain direction</i> .
	• Vertical grain direction	No cost	Specify <i>with vertical grain direction</i> .

Specification Information							
• Dimensions		• Style Number	• U.S. Base Prices			• Options	
W	H					(Add \$ to Base Price)	
						Premium Wood	
			Fabric	LPL	Wood	Wood 2	Wood 3
23 1/16"	8 1/4"	<b>FFKW238</b>	\$465	\$482	\$583	+\$55	+\$196
29 1/16"	8 1/4"	<b>FFKW298</b>	\$475	\$491	\$596	+\$55	+\$196
35 1/16"	8 1/4"	<b>FFKW358</b>	\$485	\$501	\$610	+\$55	+\$196



## For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

# Cantilever Desk and Tables Attachment Skins

Cantilever Desk and Tables  
Attachment Skins

Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>Need help? Product details, page 46</li> <li>Skin: fabric, Low-Pressure Laminate, or wood</li> <li>Brackets: painted metal</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Finish color number for skin</li> <li>3 Paint color number for brackets</li> <li>4 Options, if selected (see below)</li> </ol> <p>► See <i>Surface Materials</i>, page 122.</p>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b> <b>Horizontal or vertical application</b> <ul style="list-style-type: none"> <li>Fabric price group A</li> <li>Fabric price group 1</li> <li>Fabric price group 2</li> <li>Fabric price group 3</li> <li>Fabric price group 4</li> <li>Fabric price group 5</li> <li>Fabric price group 6</li> <li>Fabric price group 7</li> <li>Fabric price group COM</li> <li>Premium Wood 2</li> <li>Premium Wood 3</li> <li>Customiz Stain</li> <li>Full-fill finish</li> </ul>	No cost  No cost No cost +\$ 27 +\$ 48 +\$ 77 +\$120 +\$165 +\$208 +\$ 16 Prices below Prices below No cost  No cost	Specify with horizontal or vertical application. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. Specify fabric color number. ► See <i>Surface Materials Reference Manual</i> . Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify with <i>Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> . Specify full-fill finish number.
<b>Wood Veneer Grain Direction</b> <ul style="list-style-type: none"> <li>Horizontal grain direction</li> <li>Vertical grain direction</li> </ul>	No cost No cost	Specify with horizontal grain direction. Specify with vertical grain direction.

## Specification Information

Dimensions W H	Style Number	U.S. Base Prices	Options (Add \$ to Base Price)
		Fabric LPL Wood	Premium Wood Wood 2 Wood 3

### Left-Hand Cantilever Desk Attachment Skin

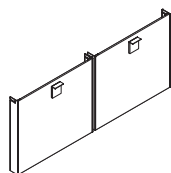
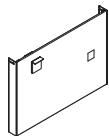
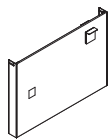
35 1/16" 24 3/4"	FFKQ3524L	\$ 506	\$ 522	\$ 627	+\$93	+\$328
:	:	:	:	:	:	:

### Right-Hand Cantilever Desk Attachment Skin

35 1/16" 24 3/4"	FFKQ3524R	\$ 506	\$ 522	\$ 627	+\$93	+\$328
:	:	:	:	:	:	:

### Skin Pair - Cantilever Table Attachment

23 1/16" 24 3/4"	FFKC2324	\$ 997	\$1027	\$1211	+\$93	+\$328
29 1/16" 24 3/4"	FFKC2924	\$1023	\$1051	\$1242	+\$93	+\$328
35 1/16" 24 3/4"	FFKC3524	\$1049	\$1077	\$1273	+\$93	+\$328
:	:	:	:	:	:	:



**For Canadian Pricing**  
Multiply U.S. Price by the  
Canadian price factor.  
► See page 1 for details.

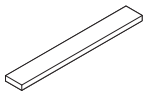
# Accessories

## Wire Management Cut-out Cover



Standard Includes		Required to Specify
► Need help? Product details, page 34	• Wire cut-out cover: paint	1 Style number 2 Paint color number for cover ► See <i>Surface Materials</i> , page 122.
Specification Information		
• Dimensions D      W      H	• Style Number	• U.S. Price
1 1/8"      3 7/8"      1 1/8"	<b>FFAC</b>	\$47
:	:	:

## Top Caps



Standard Includes		Required to Specify
► Need help? Product details, page 42	• Top cap: paint	1 Style number 2 Paint color number for top cap ► See <i>Surface Materials</i> , page 122.
Specification Information		
• Dimensions D      W	• Style Number	• U.S. Price
3 1/8"      23 1/16"	<b>FFAT23</b>	\$82
3 1/8"      29 1/16"	<b>FFAT29</b>	\$88
3 1/8"      35 1/16"	<b>FFAT35</b>	\$93
:	:	:

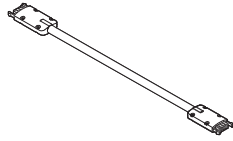


### For Canadian Pricing

Multiply U.S. Price by the  
Canadian price factor.

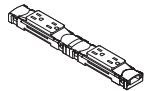
► See page 1 for details.

## Modular Harnesses



Standard Includes		Required to Specify
► Need help? Product details, page 58	• Non-PVC modular harness	Style number
Specification Information		
• Dimensions • W	• Style • Number	• U.S. • Price
24"	<b>FFVH24</b>	\$175
30"	<b>FFVH30</b>	\$178
36"	<b>FFVH36</b>	\$181
42"	<b>FFVH42</b>	\$185
48"	<b>FFVH48</b>	\$190
54"	<b>FFVH54</b>	\$194
60"	<b>FFVH60</b>	\$198
66"	<b>FFVH66</b>	\$201
72"	<b>FFVH72</b>	\$204
78"	<b>FFVH78</b>	\$207
84"	<b>FFVH84</b>	\$211
90"	<b>FFVH90</b>	\$214
96"	<b>FFVH96</b>	\$217
102"	<b>FFVH102</b>	\$221
108"	<b>FFVH108</b>	\$224
114"	<b>FFVH114</b>	\$228
120"	<b>FFVH120</b>	\$233
:	:	:

## 1-Circuit Receptacle Kit



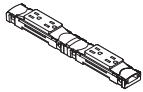
*Tip: Specify a base power tray when using a receptacle kit.*

Standard Includes		Required to Specify
► Need help? Product details, page 58	• (2) duplex receptacles for Line 1: 6000 Black	Style number
Specification Information		
• Dimensions • W	• Style • Number	• U.S. • Price
11¾"	<b>FFVR1</b>	\$70
:	:	:



**For Canadian Pricing**  
Multiply U.S. Price by the  
Canadian price factor.  
► See page 1 for details.

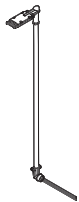
## 2-Circuit Receptacle Kit



Tip: Specify a base power tray when using a receptacle kit.

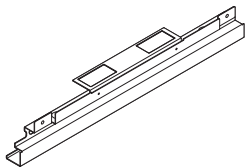
Standard Includes		Required to Specify
► Need help? Product details, page 58	• (1) duplex receptacle for Line 1 and (1) duplex receptacle for Line 2: 6000 Black	Style number
Specification Information		
• Dimensions • W	• Style • Number	• U.S. • Price
11¾"	<b>FFVR2</b>	\$88
•	•	•

## Hardwire Power Infeed



Standard Includes		Required to Specify
► Need help? Product details, page 58	• 1-circuit or 2-circuit hardwired, base power-in, 94" long x ¾" diameter flexible galvanized steel conduit • Male modular connector	Style number
Specification Information		
• Dimensions • W	• Style • Number	• U.S. • Price
94"	<b>FFVIH</b>	\$117
•	•	•

## Workwall Base Trays



Standard Includes		Required to Specify
► Need help? Product details, page 58	• Metal: 7237 Slate	Style number
Specification Information		
• Dimensions • W	• Style • Number	• U.S. • Price
23½"	<b>FFVT23</b>	\$82
29½"	<b>FFVT29</b>	\$88
35½"	<b>FFVT35</b>	\$93
•	•	•

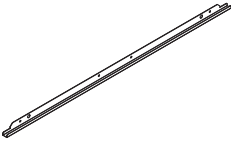


### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

Workwall Wire Managers



Standard Includes	Required to Specify
-------------------	---------------------

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>▶ Need help? Product details, page 58</li></ul> | <ul style="list-style-type: none"><li>• Metal: 7237 Slate</li><li>• Attachment hardware</li></ul> <p>Style number</p> |
|---|---|

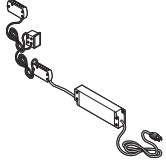
Specification Information		
---------------------------	--	--

Dimensions W	Style Number	U.S. Price
23 <sup>1</sup> / <sub>16</sub> "	FFAA23	\$58
29 <sup>1</sup> / <sub>16</sub> "	FFAA29	\$65
35 <sup>1</sup> / <sub>16</sub> "	FFAA35	\$70
.	.	.

 **For Canadian Pricing**  
Multiply U.S. Price by the  
Canadian price factor.  
▶ See page 1 for details.

# Lighting

## Light Kits

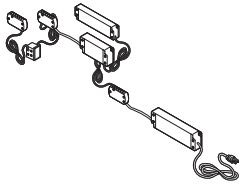


*Tip: A light kit or light dimming kit must be specified when ordering lights on shelves, bins, or drawers.*

*Tip: Specify a technology skin when using light kits.*

Standard Includes		Required to Specify
► Need help? Product details, page 66	• 30-watt light kit: one power transformer, one switch, and one terminal block	Style number
	• 60-watt light kit: two power transformers, one switch, and two terminal blocks	
Specification Information		
• Style • Number • •	• U.S. • Price • •	
30 Watt Light Kit		
FFLK30 • •	\$263 • •	
60 Watt Light Kit		
FFLK60 • •	\$380 • •	

## Light Dimming Kits



*Tip: A light kit or dimming kit must be specified when ordering lights on shelves, bins, or drawers.*

*Tip: Specify a technology skin when using light kits.*

Standard Includes		Required to Specify
► Need help? Product details, page 66	• 30-watt light dimming kit: one power transformer, one switch, one terminal block, and one dimming module	Style number
	• 60-watt light dimming kit: two power transformers, one switch, two terminal blocks, and one dimming module	
Specification Information		
• <b>Style Number</b>	• <b>U.S. Price</b>	
•	•	
•	•	
<b>30 Watt Light Dimming Kit</b>		
<b>FFLD30</b>	\$292	
•	•	
<b>60 Watt Light Dimming Kit</b>		
<b>FFLD60</b>	\$585	
•	•	

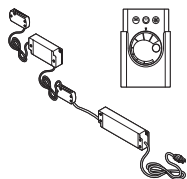


### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.

## 30-Watt Remote Control Light Kit with Dimmer



Standard Includes		Required to Specify
<p>► Need help? Product details, page 66</p> <ul style="list-style-type: none"> <li>One power transformer, one remote control and receiver, and terminal block</li> </ul>		Style number
Specification Information		
Style Number	U.S. Price	
FFLK30E	\$410	



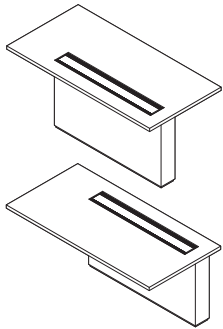
### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.



# Cantilever Desks



*Tip: Cantilever desks are not approved to be freestanding.*

*Tip: Cantilever desks connect to FlexFrame workwall using attachment skins and cannot be attached directly to drywall.*

Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>▶ Need help? Product details, page 74</li> <li>• Worksurface: wood veneer or laminate</li> <li>• Plastic edge on laminate worksurface, if selected</li> <li>• TechBox: wood veneer or laminate</li> <li>• Grommet: paint</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Wood or laminate color number for worksurface</li> <li>3 Plastic edge for laminate worksurface, if selected</li> <li>4 Wood or laminate color number for TechBox, and grain direction on wood, if selected</li> <li>5 Finish color for grommet</li> <li>6 Power unit type</li> <li>7 Options, if selected (see below)</li> </ol> <p>▶ See <i>Surface Materials</i>, page 122.</p>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b>		
<b>Wood Veneer Worksurface</b>		
• Customiz Stain	No cost	Specify with <i>Customiz Stain</i> . ▶ See <i>Surface Materials Reference Manual</i> .
• Full-fill finish	+\$ 96	Specify full-fill finish number.
• Premium Wood 2	+\$ 96	Specify Premium Wood 2 finish number.
• Premium Wood 3	+\$337	Specify Premium Wood 3 finish number.
<b>Laminate Worksurface</b>		
• Laminate worksurface	–\$443	Specify laminate finish number.
• Open Line laminate	+\$ 69 plus cost of laminate	▶ See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer TechBox</b>		
• Customiz Stain	No cost	Specify with <i>Customiz Stain</i> . ▶ See <i>Surface Materials Reference Manual</i> .
• Premium Wood 2	+\$ 69	Specify Premium Wood 2 finish number.
• Premium Wood 3	+\$240	Specify Premium Wood 3 finish number.
<b>Laminate TechBox</b>		
• Laminate TechBox	–\$450	Specify with <i>laminate TechBox</i> and specify finish number.
• Open Line laminate	+\$ 69 plus cost of laminate	▶ See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction on TechBox</b>		
• Horizontal grain direction on TechBox	No cost	Specify with <i>horizontal application</i> .
• Vertical grain direction on TechBox	No cost	Specify with <i>vertical application</i> .
<b>Power Unit Type</b>		
• Corded	No cost	Specify with <i>corded</i> .
• Hardwired	No cost	Specify with <i>hardwired</i> .
• Modular	No cost	Specify with <i>modular</i> .



## For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

▶ See page 1 for details.

## Specification Information

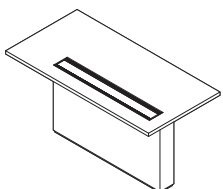
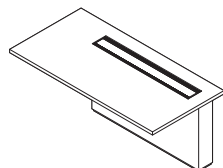
Dimensions			Style	U.S. Base
D	W	H	Number	Price

## Left-Hand Desks

36"	72"	29½"	<b>FFDC3672L</b>	\$5295
36"	78"	29½"	<b>FFDC3678L</b>	\$5381
36"	84"	29½"	<b>FFDC3684L</b>	\$5617
36"	90"	29½"	<b>FFDC3690L</b>	\$5866

## Right-Hand Desks

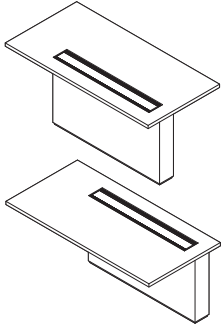
36"	72"	29½"	<b>FFDC3672R</b>	\$5295
36"	78"	29½"	<b>FFDC3678R</b>	\$5381
36"	84"	29½"	<b>FFDC3684R</b>	\$5617
36"	90"	29½"	<b>FFDC3690R</b>	\$5866

**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

► See page 1 for details.

# Cantilever Desks with media:scape



Tip: Cantilever desks are not approved to be freestanding.

Tip: Cantilever desks connect to FlexFrame workwall using attachment skins and cannot be attached directly to drywall.

Standard Includes	Required to Specify
<p>► Need help? Product details, page 76</p> <ul style="list-style-type: none"> <li>• Worksurface: wood veneer or laminate</li> <li>• Plastic edge on laminate worksurface, if selected</li> <li>• TechBox: wood veneer or laminate</li> <li>• Grommet: paint</li> <li>• media:scape with 3 PUCKs</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Wood or laminate color number for worksurface</li> <li>3 Plastic edge for laminate worksurface, if selected</li> <li>4 Wood or laminate color number for TechBox, and grain direction on wood, if selected</li> <li>5 Finish color for grommet</li> <li>6 Power unit type</li> <li>7 PUCK option</li> <li>8 Maintenance agreement (see below under Required Selections)</li> <li>9 Options, if selected (see below)</li> </ol> <p>► See <i>Surface Materials</i>, page 122.</p>

	Required Selections	U.S. Price	Required to Specify
<b>Maintenance Agreement</b>	• One year	+\$ 700	Specify with one year maintenance agreement.
	• Two years	+\$1260	Specify with two year maintenance agreement.
	• Three years	+\$1785	Specify with three year maintenance agreement.
	• Four years	+\$1960	Specify with four year maintenance agreement.

	Options	U.S. Price	Required to Specify
<b>Surface Materials</b>	<b>Wood Veneer Worksurface</b>		
	• Customiz Stain	No cost	Specify with Customiz Stain. ► See <i>Surface Materials Reference Manual</i> .
	• Full-fill finish	+\$ 96	Specify full-fill finish number.
	• Premium Wood 2	+\$ 96	Specify Premium Wood 2 finish number.
	• Premium Wood 3	+\$ 337	Specify Premium Wood 3 finish number.
	<b>Laminate Worksurface</b>		
	• Laminate worksurface	–\$ 443	Specify laminate finish number.
	• Open Line laminate	+\$ 69 plus cost of laminate	► See <i>Surface Materials Reference Manual</i> .
	<b>Wood Veneer TechBox</b>		
	• Customiz Stain	No cost	Specify with Customiz Stain. ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction on TechBox</b>	• Premium Wood 2	+\$ 69	Specify Premium Wood 2 finish number.
	• Premium Wood 3	+\$ 240	Specify Premium Wood 3 finish number.
	<b>Laminate TechBox</b>		
	• Laminate TechBox	–\$ 450	Specify laminate finish number.
<b>Power Unit Type</b>	• Open Line laminate	+\$ 69 plus cost of laminate	► See <i>Surface Materials Reference Manual</i> .
	• Corded	No cost	Specify with corded.
	• Hardwired	No cost	Specify with hardwired.
	• Modular	No cost	Specify with modular.

► Options, continued on next page



**For Canadian Pricing**  
Multiply U.S. Price by the Canadian price factor.  
► See page 1 for details.

## ► Options, continued from previous next page

	Options	U.S. Price	Required to Specify
<b>PUCKs</b>	• PUCK 1		
	- VGA	No cost	Specify with <i>VGA PUCK</i> .
	- HDMI	No cost	Specify with <i>HDMI PUCK</i> .
	- DisplayPort	No cost	Specify with <i>DisplayPort PUCK</i> .
	- Mini DisplayPort	No cost	Specify with <i>Mini DisplayPort PUCK</i> .
	• PUCK 2		
	- VGA	No cost	Specify with <i>VGA PUCK</i> .
	- HDMI	No cost	Specify with <i>HDMI PUCK</i> .
	- DisplayPort	No cost	Specify with <i>DisplayPort PUCK</i> .
	- Mini DisplayPort	No cost	Specify with <i>Mini DisplayPort PUCK</i> .
	• PUCK 3		
	- VGA	No cost	Specify with <i>VGA PUCK</i> .
	- HDMI	No cost	Specify with <i>HDMI PUCK</i> .
	- DisplayPort	No cost	Specify with <i>DisplayPort PUCK</i> .
	- Mini DisplayPort	No cost	Specify with <i>Mini DisplayPort PUCK</i> .

## Specification Information

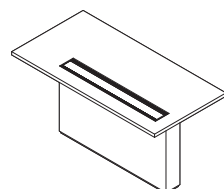
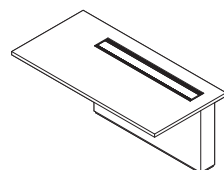
Dimensions			Style	U.S. Base
D	W	H	Number	Price

## Left-Hand Desks

36"	72"	29½"	<b>FFDD3672L</b>	\$16,429
36"	78"	29½"	<b>FFDD3678L</b>	\$16,515
36"	84"	29½"	<b>FFDD3684L</b>	\$16,751
36"	90"	29½"	<b>FFDD3690L</b>	\$17,000
:	:	:	:	:

## Right-Hand Desks

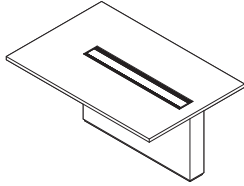
36"	72"	29½"	<b>FFDD3672R</b>	\$16,429
36"	78"	29½"	<b>FFDD3678R</b>	\$16,515
36"	84"	29½"	<b>FFDD3684R</b>	\$16,751
36"	90"	29½"	<b>FFDD3690R</b>	\$17,000
:	:	:	:	:

**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

► See page 1 for details.

# Cantilever Tables



Tip: Cantilever tables are not approved to be freestanding.

Tip: Cantilever tables connect to FlexFrame workwall using attachment skins and cannot be attached directly to drywall.

Standard Includes	Required to Specify
<ul style="list-style-type: none"> <li>Need help? Product details, page 74</li> <li>Worksurface: wood veneer or laminate</li> <li>Plastic edge on laminate worksurface, if selected</li> <li>TechBox: wood veneer or laminate</li> <li>Grommet: paint</li> </ul>	<ol style="list-style-type: none"> <li>Style number</li> <li>Wood or laminate color number for worksurface</li> <li>Plastic edge for laminate worksurface, if selected</li> <li>Wood or laminate color number for TechBox, and grain direction on wood, if selected</li> <li>Finish color for grommet</li> <li>Power unit type</li> <li>Options, if selected (see below)</li> </ol> <p>► See <i>Surface Materials</i>, page 122.</p>

Options	U.S. Price	Required to Specify
<b>Surface Materials</b>		
<b>Wood Veneer Worksurface</b>		
<ul style="list-style-type: none"> <li>Premium Wood 2</li> <li>Premium Wood 3</li> <li>Customiz Stain</li> </ul>	Prices below Prices below No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify <i>with Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> . Specify full-fill finish number.
<ul style="list-style-type: none"> <li>Full-fill finish</li> </ul>	Prices below	
<b>Laminate Worksurface</b>		
<ul style="list-style-type: none"> <li>Laminate worksurface</li> <li>Open Line laminate</li> </ul>	–\$443 +\$ 69 plus cost of laminate	Specify laminate finish number. ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer TechBox</b>		
<ul style="list-style-type: none"> <li>Premium Wood 2</li> <li>Premium Wood 3</li> <li>Customiz Stain</li> </ul>	+\$ 69 +\$240 No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify <i>with Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> .
<b>Laminate TechBox</b>		
<ul style="list-style-type: none"> <li>Laminate TechBox</li> <li>Open Line laminate</li> </ul>	–\$450 +\$ 69 plus cost of laminate	Specify <i>with laminate TechBox</i> and specify finish number. ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction on TechBox</b>		
<ul style="list-style-type: none"> <li>Horizontal grain direction on TechBox</li> <li>Vertical grain direction on TechBox</li> </ul>	No cost No cost	Specify <i>with horizontal application</i> . Specify <i>with vertical application</i> .
<b>Power Unit Type</b>		
<ul style="list-style-type: none"> <li>Corded</li> <li>Hardwired</li> <li>Modular</li> </ul>	No cost No cost No cost	Specify <i>with corded</i> . Specify <i>with hardwired</i> . Specify <i>with modular</i> .

Specification Information							
Dimensions			Style Number	U.S. Base Price	Options (Add \$ to Base Price)		
D	W	H					
48"	72"	29½"	FFTC4872	\$5765	+\$124	+\$435	+\$124
48"	90"	29½"	FFTC4890	\$6464	+\$124	+\$435	+\$146



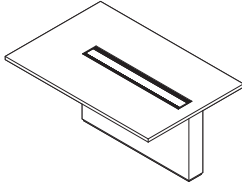
## For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.



# Cantilever Tables with media:scape



*Tip: Cantilever tables are not approved to be freestanding.*

*Tip: Cantilever tables connect to FlexFrame workwall using attachment skins and cannot be attached directly to drywall.*

Standard Includes	Required to Specify
<p>► Need help? Product details, page 76</p> <ul style="list-style-type: none"> <li>• Worksurface: wood veneer or laminate</li> <li>• Plastic edge on laminate worksurface, if selected</li> <li>• TechBox: wood veneer or laminate</li> <li>• Grommet: paint</li> <li>• media:scape with 3 PUCKs</li> </ul>	<ol style="list-style-type: none"> <li>1 Style number</li> <li>2 Wood or laminate color number for worksurface</li> <li>3 Plastic edge for laminate worksurface, if selected</li> <li>4 Wood or laminate color number for TechBox, and grain direction on wood, if selected</li> <li>5 Finish color for grommet</li> <li>6 Power unit type</li> <li>7 PUCK option</li> <li>8 Maintenance agreement (see below under Required Selections)</li> <li>9 Options, if selected (see below)</li> </ol> <p>► See <i>Surface Materials</i>, page 122.</p>

Required Selections	U.S. Price	Required to Specify
• One year	+\$ 700	Specify with one year maintenance agreement.
• Two years	+\$1260	Specify with two year maintenance agreement.
• Three years	+\$1785	Specify with three year maintenance agreement.
• Four years	+\$1960	Specify with four year maintenance agreement.

Options	U.S. Price	Required to Specify
<b>Surface Materials</b>		
<b>Wood Veneer Worksurface</b> <ul style="list-style-type: none"> <li>• Premium Wood 2</li> <li>• Premium Wood 3</li> <li>• Customiz Stain</li> </ul>	Prices at right Prices at right No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify with <i>Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> . Specify full-fill finish number.
<b>Laminate Worksurface</b> <ul style="list-style-type: none"> <li>• Laminate worksurface</li> <li>• Open Line laminate</li> </ul>	–\$443 +\$ 69 plus cost of laminate	Specify laminate finish number. ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer TechBox</b> <ul style="list-style-type: none"> <li>• Premium Wood 2</li> <li>• Premium Wood 3</li> <li>• Customiz Stain</li> </ul>	+\$ 69 +\$240 No cost	Specify Premium Wood 2 finish number. Specify Premium Wood 3 finish number. Specify with <i>Customiz Stain</i> . ► See <i>Surface Materials Reference Manual</i> .
<b>Laminate TechBox</b> <ul style="list-style-type: none"> <li>• Laminate TechBox</li> <li>• Open Line laminate</li> </ul>	–\$450 +\$ 69 plus cost of laminate	Specify laminate finish number. ► See <i>Surface Materials Reference Manual</i> .
<b>Wood Veneer Grain Direction on TechBox</b> <ul style="list-style-type: none"> <li>• Horizontal grain direction on TechBox</li> <li>• Vertical grain direction on TechBox</li> </ul>	No cost No cost	Specify with <i>horizontal application</i> . Specify with <i>vertical application</i> .
<b>Power Unit Type</b> <ul style="list-style-type: none"> <li>• Corded</li> <li>• Hardwired</li> <li>• Modular</li> </ul>	No cost No cost No cost	Specify with <i>corded</i> . Specify with <i>hardwired</i> . Specify with <i>modular</i> .

► Options, continued on next page



## For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

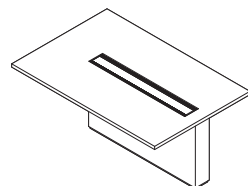
► See page 1 for details.

## ► Options, continued from previous next page

	Options	U.S. Price	Required to Specify
<b>PUCKs</b>	• PUCK 1		
	- VGA	No cost	Specify with <i>VGA PUCK</i> .
	- HDMI	No cost	Specify with <i>HDMI PUCK</i> .
	- DisplayPort	No cost	Specify with <i>DisplayPort PUCK</i> .
	- Mini DisplayPort	No cost	Specify with <i>Mini DisplayPort PUCK</i> .
	• PUCK 2		
	- VGA	No cost	Specify with <i>VGA PUCK</i> .
	- HDMI	No cost	Specify with <i>HDMI PUCK</i> .
	- DisplayPort	No cost	Specify with <i>DisplayPort PUCK</i> .
	- Mini DisplayPort	No cost	Specify with <i>Mini DisplayPort PUCK</i> .
	• PUCK 3		
	- VGA	No cost	Specify with <i>VGA PUCK</i> .
	- HDMI	No cost	Specify with <i>HDMI PUCK</i> .
	- DisplayPort	No cost	Specify with <i>DisplayPort PUCK</i> .
	- Mini DisplayPort	No cost	Specify with <i>Mini DisplayPort PUCK</i> .

## Specification Information

• Dimensions			• Style Number	• U.S. Base Price	• Options		
D	W	H			(Add \$ to Base Price)		
•	•	•	•	•	Premium Wood		
•	•	•	•	•	Wood 2	Wood 3	• Full-Fill
•	•	•	•	•	•	•	• Finish
48"	72"	29½"	<b>FFTD4872</b>	\$16,899	+\$124	+\$435	+\$124
48"	90"	29½"	<b>FFTD4890</b>	\$17,598	+\$124	+\$435	+\$146
•	•	•	•	•	•	•	•

**For Canadian Pricing**

Multiply U.S. Price by the  
Canadian price factor.

► See page 1 for details.



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# Surface Materials

<b>Surface Materials</b>	<b>122</b>
<b>Specification Guidelines for Directional Fabrics</b>	<b>126</b>
<b>Wood Veneer Grain and Directional Laminate Application</b>	<b>127</b>

# Surface Materials

**This listing** includes all the surface material choices that are available for the products in this specification guide.

## Resources

For more information about surface materials, refer to the following resources:

**Additional surface materials specification tools** are available to assist you in the specification process — the Surface Materials Binders.

**The global surface materials palette** is a core collection of finishes that is available across multiple geographies (Americas/EMEA – Europe, Middle East, and Africa/ APAC – Asia Pacific) and on global product lines, where applicable. For a list of finishes included in the offering, see the Surface Materials Reference Manual. Additional details, like product approvals by geography and finish number conversions, can also be found in the Surface Materials Reference Manual or see [steelcase.com/surface-materials](http://steelcase.com/surface-materials).

## Surface Materials Binders

- Surface Materials Reference Manual
- A complete set of swatch cards for hard surfaces, vertical surface fabrics, and seating upholstery

## Paint

► See *Surface Materials Reference Manual* for a listing of available paints for Victor2.

Applies to:

- Blades on shelves, bins, drawers, and skins
- Wire cut-out cover
- Top caps

## Steelcase Surfaces

### Textured Paint

- 7207 Black
- 7241 Arctic White

Ⓔ = Established

## Smooth Metallic Paint

- 4799 Platinum Metallic

## Textured Metallic Paint

- 7246 Midnight Metallic

Applies to:

- Shrouds
- 4140 Arctic White Gloss
- 4799 Platinum Metallic
- 4803 Near Black Metallic
- 7245 Midnight Metallic

## Laminate

► See *Surface Materials Reference Manual* for a listing of available laminates for Victor2.

## Steelcase Surfaces

Applies to:

- Shelves, bins, and drawers
- Laminate skins

## Low-Pressure Laminate

- 247L Black V2 LPL
- 24L0 Graphite Walnut LPL
- 25L1 Winter on Maple LPL
- 25L5 Virginia Walnut LPL
- 25L6 Blackwood LPL
- 25L8 Clear Walnut LPL
- 25L9 Warm Oak LPL Ⓔ
- 262L Marbled Maple LPL
- 264L Chocolate Walnut LPL
- 267L Marbled Cherry V2 LPL
- 26L1 Natural Cherry V2 LPL
- 275L Warm White LPL Ⓔ
- 2L03 Brushed Silver LPL
- 2L09 Clear Maple LPL
- 2L30 Arctic White LPL
- 2L50 Vanadium Fiber LPL
- 2L52 Tungsten Fiber LPL
- 2L83 Seagull LPL
- 2L84 Milk LPL
- 2L85 Dune LPL
- 2LAN Ash Noce LPL
- 2LAW Ash Wenge LPL
- 2LBN Bisque Noce LPL
- 2LBW Bisque Wenge LPL
- 2LCN Clay Noce LPL
- 2LCW Clay Wenge LPL
- 2LMG Merle LPL
- 2LSN Storm Noce LPL
- 2LSW Storm Wenge LPL

*Tip: Some wood veneer finishes and woodgrain laminates share the same name. Because of the difference in materials, veneers and laminates of the same name are not an exact match but do coordinate with each other.*

Applies to:

- Cantilever desks and tables

## Steelcase Surfaces

### High-Pressure Laminate

#### Fiber Laminate

- 2850 Vanadium Fiber
- 2851 Rhyme Fiber Ⓔ
- 2852 Tungsten Fiber
- 2854 Vellum Fiber
- 2859 Novell Fiber
- 2860 Granite Fiber
- 2861 Coconut Fiber
- 2862 Stucco Fiber

#### Micro Laminate

- 2920 Marl Micro
- 2921 Gypsum Micro
- 2922 Clay Micro
- 2923 Shadow Micro Ⓔ

#### Patina Laminate

- 2870 Blonde Bronze Patina
- 2871 Blackened Bronze Patina
- 2873 Instant Iron Patina

#### Solid Laminate

- 2722 Cream Ⓔ
- 2730 Arctic White
- 2746 Black
- 2759 Warm White Ⓔ
- 2811 Mist Ⓔ
- 2883 Seagull
- 2884 Milk
- 2885 Dune
- 2HMG Merle

#### Speckle Laminate

- 2820 Coffee Speckle
- 2822 Woodrose Speckle Ⓔ
- 2823 Driftwood Speckle
- 2824 Smoke Speckle
- 2825 Vanadium Speckle

*Tip: Some wood veneer finishes and woodgrain laminates share the same name. Because of the difference in materials, veneers and laminates of the same name are not an exact match but do coordinate with each other.*

## Woodgrain Laminate

- 2406 Clear Cherry
- 2409 Clear Maple
- 2410 Graphite Walnut
- 2412 Natural Cherry
- 2422 Medium Cherry
- 2511 Winter on Maple
- 2535 Virginia Walnut
- 2538 Clear Walnut
- 2539 Warm Oak Ⓔ
- 2592 Blonde on Maple
- 2614 Chocolate Walnut
- 2714 Natural Walnut
- 2772 Medium Mahogany on Walnut Ⓔ
- 2HAK Clear Oak
- 2HAN Ash Noce
- 2HAT Acacia
- 2HAW Ash Wenge
- 2HBN Bisque Noce
- 2HBW Bisque Wenge
- 2HCN Clay Noce
- 2HCW Clay Wenge
- 2HSN Storm Noce
- 2HSW Storm Wenge

## turnstone Laminate Collection

- 2536 Blackwood
- 2612 Marbled Maple
- 2615 Marbled Cherry

## Select Surfaces

### High-Pressure Laminate

#### Textured Woodgrain Laminate

- 2TH2 Fawn Cypress
- 2TH3 Weathered Char
- 2TH4 Saddle Oak
- 2TH5 Veranda Teak
- 2TH6 Persian Cherry
- 2TH7 Walnut Heights

## Plastic

Applies to:

- Plastic edge on laminate worksurfaces

## Steelcase Surfaces

- 6000 Black
- 6001 Coffee
- 6009 Arctic White
- 6034 Natural Cherry
- 6036 Medium Cherry
- 6037 Winter on Maple
- 6038 Blonde on Maple
- 6041 Natural Walnut
- 6045 Medium Mahogany on Walnut Ⓔ
- 6052 Milk
- 6053 Seagull
- 6213 Acacia
- 6219 Clear Oak
- 6231 Graphite Walnut
- 6234 Clear Cherry
- 6237 Clear Maple
- 6242 Virginia Walnut
- 6243 Blackwood
- 6245 Clear Walnut
- 6246 Warm Oak Ⓔ
- 6249 Platinum Solid
- 6527 Merle
- 6612 Grey V2 Ⓔ
- 6615 Grey V5
- 6619 Ice Ⓔ
- 6631 Cream
- 6635 Dawn Ⓔ
- 6636 Mist
- 6654 Sand
- 6655 Warm White
- 6676 Marbled Maple
- 6677 Chocolate Walnut
- 6678 Marbled Cherry
- 6694 Slate
- 6695 Midnight
- 6697 Fog
- 6698 Fieldstone
- 6703 Ash Wenge
- 6704 Storm Wenge
- 6705 Bisque Wenge
- 6706 Clay Wenge
- 6707 Ash Noce
- 6708 Bisque Noce
- 6709 Clay Noce
- 6710 Storm Noce

## Select Surfaces

- 6T02 Fawn Cypress
- 6T03 Weathered Char
- 6T04 Saddle Oak
- 6T05 Veranda Teak
- 6T06 Persian Cherry
- 6T07 Walnut Heights

## Wood

Applies to:

- Wood skins
- Wood shelves
- Wood drawers
- Wood bins

Steelcase carefully selects veneer and solid wood for consistent color and grain structure. Wood is a natural material and variations will occur in color, grain and texture. These variations are part of the inherent natural beauty of wood and are not considered defects.

All wood products will darken with age and exposure to ultraviolet light. This is especially apparent with cherry and maple veneer. We recommend that desk accessories be rearranged periodically to ensure even aging of wood surfaces.

When storing your wood furniture, please follow the following guidelines:

- Do not store products in trailers
- Store products in areas that simulate office temperatures (60°F to 90°F)
- Store products in areas that maintain constant, office-like humidity levels
- Keep product away from light. Cover products to make sure they are not exposed to light.

## Steelcase Surfaces

### Veneer

Veneers are matched for proper balance and consistency. Veneers are available flat cut or quarter cut, except for Oak, which is rift cut. Refer to the *Surface Materials Reference Manual* for descriptions of each cut.

**Open-pore finish** is a medium gloss finish that leaves the wood grain texture visible to the eye and distinguishable to the touch.

► See *Surface Materials Reference Manual* for a listing of available veneers for Victor2.

### Flat-cut open-pore finish choices

- 3062 FC/OP Graphite Walnut
- 3402 FC/OP Clear Cherry (Aged)
- 3412 FC/OP Natural Cherry **E**
- 3422 FC/OP Medium Cherry
- 3522 FC/OP Clear Maple\*
- 3572 FC/OP Amber on Maple **E**
- 3592 FC/OP Blonde on Maple
- 3702 FC/OP Clear Walnut
- 3712 FC/OP Natural Walnut
- 3722 FC/OP Dark Mahogany on Walnut
- 3752 FC/OP Medium Walnut
- 3762 FC/OP Dark Walnut
- 3772 FC/OP Medium Mahogany on Walnut

### Quarter-cut open-pore finish choices

- 3042 QC/OP Ash\*
- 3222 QC/OP Clear Maple\*
- 3272 QC/OP Amber on Maple **E**
- 3292 QC/OP Blonde on Maple
- 3302 QC/OP Clear Walnut
- 3312 QC/OP Natural Walnut
- 3322 QC/OP Dark Mahogany on Walnut
- 3352 QC/OP Medium Walnut
- 3362 QC/OP Dark Walnut
- 3372 QC/OP Medium Mahogany on Walnut
- 3382 QC/OP Graphite Walnut

### Rift-cut open-pore finish choices

- 3602 RC/OP Desert Oak
- 3612 RC/OP Warm Oak **E**
- 3692 RC/OP Espresso Oak

**Full-fill finish** is a medium-gloss finish that completely fills the grain texture, yet allows the grain pattern to be seen. The wood has a lustrous, satiny look, and it is smooth to the touch. This finish is available on the wood top only.

### Flat-cut full-fill finish choices

- 3064 FC/FF Graphite Walnut
- 3404 FC/FF Clear Cherry (Aged)
- 3414 FC/FF Natural Cherry **E**
- 3424 FC/FF Medium Cherry
- 3524 FC/FF Clear Maple\*
- 3544 FC/FF Blonde on Maple
- 3574 FC/FF Amber on Maple **E**
- 3704 FC/FF Clear Walnut
- 3714 FC/FF Natural Walnut
- 3724 FC/FF Dark Mahogany on Walnut
- 3754 FC/FF Medium Walnut
- 3764 FC/FF Dark Walnut
- 3774 FC/FF Medium Mahogany on Walnut

### Quarter-cut full-fill finish choices

- 3224 QC/FF Clear Maple\*
- 3274 QC/FF Amber on Maple **E**
- 3294 QC/FF Blonde on Maple
- 3304 QC/FF Clear Walnut
- 3314 QC/FF Natural Walnut
- 3324 QC/FF Dark Mahogany on Walnut
- 3354 QC/FF Medium Walnut
- 3364 QC/FF Dark Walnut
- 3374 QC/FF Medium Mahogany on Walnut
- 3384 QC/FF Graphite Walnut

### Rift-cut full-fill finish choices

- 3604 RC/FF Desert Oak
- 3614 RC/FF Warm Oak **E**
- 3694 RC/FF Espresso Oak

*\*To ensure an understanding of the color ranges and characteristic variations of natural veneer, a sign-off sheet is required prior to orders being accepted for this clear-coat finish. The sign-off sheet is available through Steelcase advertising stock. Please use form number 09-0000756 for 3042, form number 05-0001370 for 3222 and 3224.*

## Steelcase Surfaces

### Composite Veneer

Composite veneers are an engineered wood intended to create specific grain patterns and characteristics. They are pre-stained and finished with Steelcase's Clarity water-borne UV topcoat, which protects the environment while providing durability and clarity. Only open-pore finishes are available on composite wood. Composite veneer and matching edge bands are available on most Steelcase brand products. Composites, for us as a solid nosing substitute, are not available. Steelcase does not recommend mixing composite veneers with natural solid nosings because composite and natural wood grain and color matching are rarely compatible. Composite veneers are Graded-In as Wood Group 1 pricing.

### Flat-cut open-pore finish choices

- 3JDX FC/OP Oak Composite
- 3JFX FC/OP Maple Composite
- 3JHX FC/OP Cherry Composite
- 3JJX FC/OP Walnut Composite

### Quarter-cut open-pore finish choices

- 3F8X QC/OP European Walnut Composite
- 3GAX QC/OP Gold Teak Composite
- 3GFX QC/OP Rosewood Composite
- 3GGX QC/OP Zebrano Composite
- 3HGX QC/OP Oak Composite
- 3HVX QC/OP Walnut Composite
- 3JEX QC/OP Maple Composite
- 3JGX QC/OP Cherry Composite

## Select Surfaces

For information on products within Select Surfaces, including accent paints and fabrics from DesignTex, Gabriel, Kvadrat, and Pollack, please refer to the *Surface Materials Reference Manual* or visit [steelcase.com/surface-materials](http://steelcase.com/surface-materials) under the Select Surfaces section.

### Natural Veneer

Natural veneer is available in the Select Surfaces offering. Natural veneer may have extended lead-times. Place your order as you normally would for any other finish, calling out the appropriate finish code.

The following finishes are available through the natural veneer offering:

### Wood Group 1

- 35A2 FC/OP Blanch Maple
- 37A2 FC/OP Thunder Walnut

### Wood Group 2

- 32A2 QC/OP Blanch Maple
- 33A2 QC/OP Thunder Walnut

### Wood Group 3

- 36A2 RC/OP Volcanic Oak

**E** = Established

### Planked Veneer

Planked veneer is available in the Select Surfaces offering. Planked veneer may have extended leadtimes. Place your order as you normally would for any other finish, calling out the appropriate finish code.

The following finishes are available through the planked veneer offering:

### Wood Group 1

- 3P61 OP Planked Oak
- 3P71 OP Planked Walnut

*Tip: Known for its uniqueness, planked veneer has intentional and natural variations that include, but are not limited to: character marks, grain pattern, color, and natural color aging.*

## Steelcase Surfaces

### Premium Veneers

A selection of Premium veneers in this collection are available on most Steelcase brand products. The collection will be available as close to standard leadtimes as possible. However, because adequate supplies of veneer and solids must be secured, all orders will be scheduled individually. Leadtimes will vary based on Premium veneer and Premium solids availability at the time the order is placed. The collection is Graded-In as Wood Group 2 and Wood Group 3, and supported like standard veneers to make ordering easy. Please see the Steelcase surface materials section on [village.steelcase.com](http://village.steelcase.com) for sample information and product line availability. All premium veneers are in clear-coat.

### Quarter-cut open-pore finish choices

#### Wood Group 2

- 3032 QC/OP Dark Thin Line Bamboo
- 3052 QC/OP Ribbon Sapele

### Wood Group 3

- 3832 QC/OP Figured Anegre
- 3842 QC/OP Figured Makore

*To ensure an understanding of the color ranges and characteristic variations of natural veneer, a sign-off sheet is required prior to orders being accepted for this clear-coat finish. The sign-off sheet is available through Steelcase advertising stock. Please use form number 09-0000755 for 3032, form number 09-0000757 for 3052, form number 09-0000758 for 3832, and form number 09-0000759 for 3842.*

## Custom Surfaces

**Customiz stain** is a service that allows you to create your own stain colors and finishes on standard veneer. Customiz stain color is available on all product lines that offer wood veneer.

A \$500 stain matching fee applies on all CUSTOMIZ requests. (Exception: The \$500 fee does not apply on matches to Coalesse standard finishes or for a low-gloss finish request on a standard color.) The \$500 fee covers the cost of formulating the Customiz color finish and applies regardless of whether or not an order for product is placed.

In addition, an approval form must be signed to indicate customer acceptance of Customiz match. A \$1,500 initiation fee will be charged prior to first order entry. This initiation fee activates the finish for unlimited use on any Steelcase product for an 18 month time period. After the 18 month time period has lapsed, the Customiz finish may be reactivated for another 18 months for a \$1,000 fee at any point within five years after the \$1,500 initiation fee was paid. If the finish is not reactivated within five years after the \$1,500 initiation fee was paid, the finish will be culled and the customer will need to pay the \$1,500 initiation fee again. All style number related Customiz charges on products are no cost as of April 2014. The matching and initiation fees are not discountable.

Customiz stain takes 10 days to formulate. Consult the *Surface Materials Reference Manual* for more information. Custom veneers are also available and must be quoted by Steelcase specials group. Customiz stain on custom veneers takes 2 to 5 weeks to formulate. Requirements and information on ordering a Customiz stain color are found in the *Surface Materials Reference Manual*.

## Glass

### Steelcase Surfaces

Applies to:

- Glass skins
- 6580 Ice White

## Vertical Surface Fabric

Applies to:

- Fabric skins

### Steelcase Surfaces

#### Price Group A

#### Lido

- R159 Oak Bluffs
- R160 Cape May
- R162 Hermosa

### Sprite

- 5540 Khaki
- 5541 Snow
- 5542 Butter
- 5543 Linen
- 5544 Sherbet
- 5545 Powder
- 5546 Harvest
- 5547 Sky
- 5548 Kiwi

## Price Group 1

### Abacus ③

- P122 Entasis
- P123 Portico
- P124 Opus
- P125 Cusp
- P126 Artifact
- P129 Atlas

### Alloy

- P525 Polar
- P526 Skim
- P527 Bubbly
- P528 Tern
- P529 Shore
- P530 Asti
- P531 Silver
- P532 Oxide
- P533 Element
- P534 Construct
- P535 Currency
- P536 Iron

### Boccie

- P200 New Rice
- P201 New Almond
- P202 New Nutmeg
- P203 New Camel
- P204 New Opal
- P205 New Mist
- P206 New Plum
- P207 New Lichen
- P208 New Spearmint
- P209 New Sky

### Buzz2

- 5F01 Camel ③
- 5F03 Tomato
- 5F04 Red ③
- 5F05 Burgundy
- 5F06 Sky ③
- 5F07 Blue
- 5F08 Navy
- 5F10 Grape ③
- 5F11 Eggplant ③
- 5F15 Stone
- 5F16 Grey
- 5F17 Black
- 5G50 Dunegrass
- 5G51 Sable
- 5G52 Barley
- 5G53 Sunrise
- 5G54 Carrot
- 5G55 Pumpkin
- 5G56 Timber
- 5G57 Rouge
- 5G58 Chocolate
- 5G59 Meadow
- 5G60 Ivy
- 5G61 Cyan
- 5G62 Atlantic
- 5G63 Crocus
- 5G64 Alpine
- 5G65 Tornado

### Charm

- P504 Tint
- P505 Shell
- P506 Mimosa
- P507 Birch
- P508 Sparkle
- P509 Ginkgo
- P510 Debut
- P511 Clover
- P512 Spicy
- P513 Twilight

### Embrasure ③

- P140 Colonnade
- P141 Rotunda
- P143 Baluster

### Lapel

- P409 Cement
- P410 Pebble
- P411 Beech
- P412 Dune
- P413 Grain
- P414 Sprout
- P415 Misty Blue
- P416 Maple
- P417 Slate

### Optic

- P540 Hazel
- P541 Twinkle
- P542 Orion
- P543 Seaglass
- P544 Shine
- P545 Halo
- P546 Whiskey
- P547 Bath
- P548 Whisper
- P549 Breezy
- P550 Wry
- P551 Glimmer

③ = Established

**Pianista**

P420 Sand  
P421 Mist  
P422 Rain  
P423 Natural  
P424 Café  
P425 Denim  
P426 Carbon  
P427 Stone  
P428 Flax  
P429 Oat  
P430 Wheat  
P431 Maize

**Rhythm**

P555 Allegro  
P556 Tempo  
P557 Refrain  
P558 Pitch  
P559 Harmony  
P560 Melody  
P561 Stanza  
P562 Opus

**Tinsel**

P515 Sugar  
P516 Lit  
P517 Ego  
P518 Fizz  
P519 Muse  
P520 Depth  
P521 Bliss  
P522 Grow  
P523 Dolce  
P524 Boost

**Price Group 2****Amiranté ③**

5664 Mink  
5665 Ivory  
5666 Silver Frost  
5677 Moonglo  
5679 Woodbine

**Ashanti Reverse ③**

5654 Quince

**Bariolage**

G200 New Etude  
G201 New Andante  
G202 New Cantata  
G203 New Adagio  
G205 New Ballata  
G206 New Sonata

**Bouquet ③**

P165 Hosta  
P166 Dundee  
P169 Argenta  
P170 Hoya  
P173 Camomile

**Cogent:****Geode Vertical ③**

5S38 Oyster  
5S41 Sesame

**Flip: Orbit**

5F85 Mud Pie  
5F86 Hummus  
5F87 Petoskey  
5F88 Pluto  
5F89 Papyrus  
5F91 Blizzard  
5F92 Briquette

**Flip: Plain Jane**

5F70 Mud Pie  
5F71 Hummus  
5F72 Petoskey  
5F73 Pluto  
5F74 Papyrus  
5F94 Blizzard  
5F95 Briquette

**Flip: TexHex**

5F75 Mud Pie  
5F76 Hummus  
5F77 Petoskey  
5F78 Pluto  
5F79 Papyrus  
5F97 Blizzard  
5F98 Briquette

**Fresco**

G001 Sandrift  
G002 Mistiblu  
G003 Faon  
G006 Chamoline  
G007 Grapenut  
G017 Flint

**Latch**

P600 Seashell  
P601 Clam  
P602 Eggshell  
P603 Zen  
P604 Cool Gray  
P605 Armor  
P606 Sentinel  
P607 Rye  
P608 Billow  
P609 Nimbus

**Milano ③**

N002 Delft  
N003 Woodland  
N004 Sunshadow  
N005 Olivine  
N012 Teakwood

**Regatta ③**

5335 Warm Brown V1  
5338 Tan V1

**Price Group 3**

5H10 Bone  
5H11 Poppy  
5H12 Tangelo  
5H13 Citron  
5H14 Avocado  
5H15 Hunter  
5H16 Indigo  
5H17 Mallard  
5H18 Teak  
5H19 Cumulus  
5H20 Pewter  
5H21 Gunmetal  
5H22 Ink

**Select Surfaces**

**For information on products within Select Surfaces**, including accent paints and fabrics from Designtex, Gabriel, Kvadrat, and Pollack, please refer to the *Surface Materials Reference Manual* or visit [steelcase.com/surface-materials](http://steelcase.com/surface-materials) under the Select Surfaces section.

**Custom Surfaces****Price Group COM (Customer's Own Material)****Fabric Approval and Yardage**

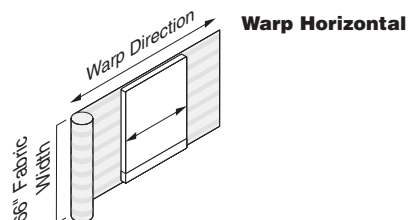
To confirm whether a particular COM material has already been tested for use on a specific Steelcase product or to determine actual yardage requirements:  
• Visit [www.steelcase.com](http://www.steelcase.com)

**For additional information regarding Customer's Own Material**, call 1.888.STEELCASE (1.888.783.3522) or send an e-mail to [lineone@steelcase.com](mailto:lineone@steelcase.com).

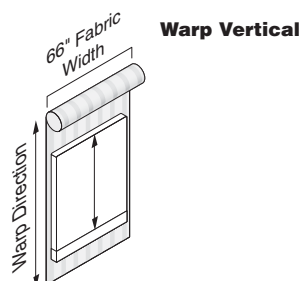
► See *Surface Materials Reference Manual* for a listing of available seating upholstery colors.

③ = Established

# Specification Guidelines for Directional Fabrics



**One application direction of fabric on FlexFrame skins** is warp horizontal. Standard Steelcase fabrics were designed for this application direction.



**The other application direction of fabrics on FlexFrame skins** is warp vertical. This is most commonly used on COMs designed for warp vertical application.

**For more information about the warp direction of fabrics,** see the *Surface Materials Reference Manual*.



# Wood Veneer Grain and Directional Laminate Application

Wood Veneer Grain and  
Directional Laminate  
Application

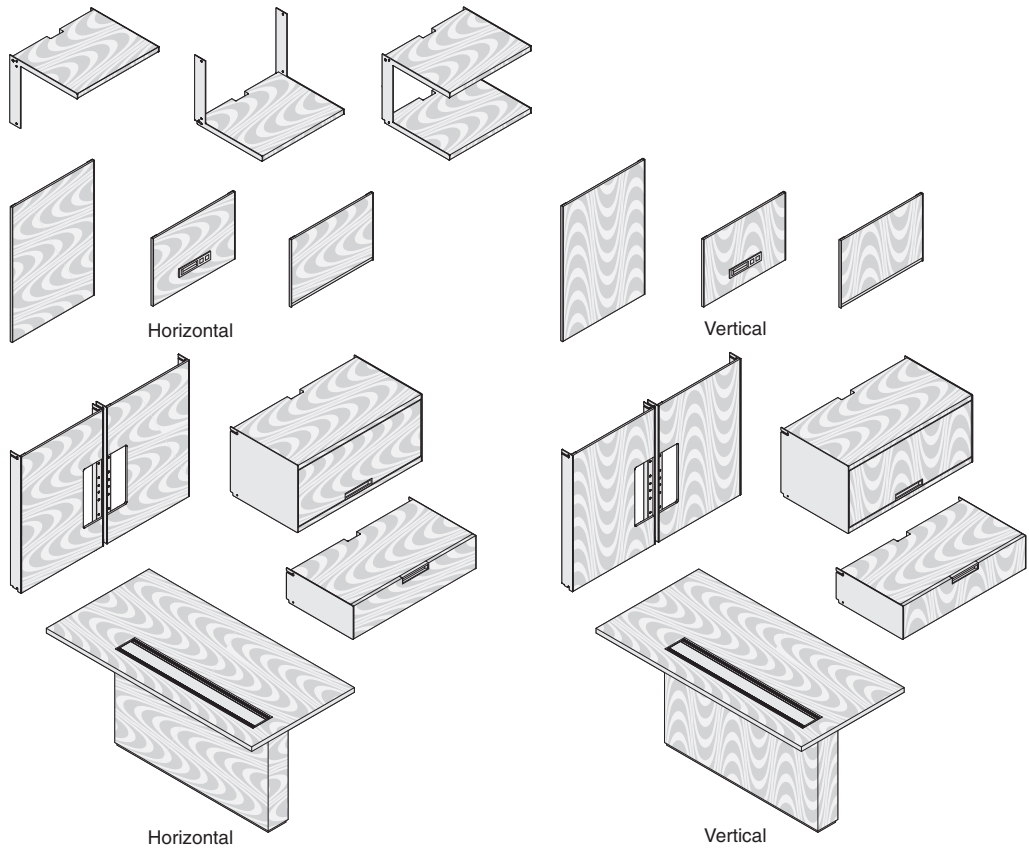
**Wood veneer and directional laminates** are standard with the grain directions shown.

**The appearance of wood veneer** may change slightly depending on the angle from which it is viewed. The natural phenomenon is called polarization, and it can be seen on natural veneer, and to a lesser extent on composite veneer. Polarization is often noticed on surfaces installed at a 90 degree angle with each other.

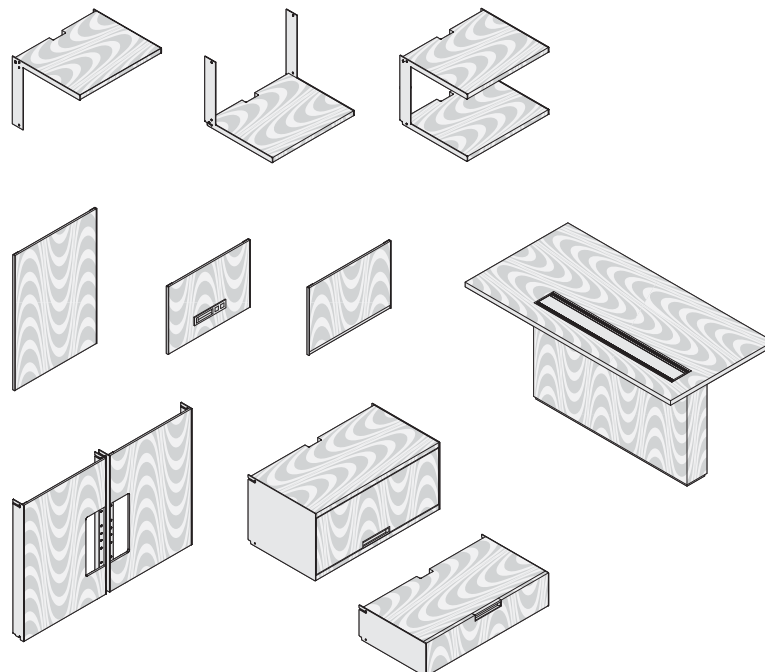
**Some wood veneer finishes and woodgrain laminates** share the same name. Because of the difference in materials, veneers and laminates of the same name are not an exact match but do coordinate with each other.

**Tech Box** can have directional change of horizontal and vertical.

## Wood Veneer Grain



## Directional Laminate







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# Resources

<b>Maintenance Agreement Renewals</b>	<b>130</b>
<b>Style Number Index</b>	<b>132</b>

# Maintenance Agreement Renewals

## About Maintenance Agreement Renewals

Steelcase maintenance agreement renewals provide an extension of our enhanced support system that features software/firmware enhancements, prioritized technical support, expedited shipping for hardware replacements, and warranty extension on technology components when outside of warranty.

## Renewal Lengths and Bundling Option

Maintenance agreement renewals are available for 1, 2, and 3 year terms.

Customers with multiple maintenance agreements will be able to bundle some or all of their applicable Steelcase technology products into a single maintenance agreement.

## How to Order

Maintenance agreement renewals follow a special ordering process that requires a customer specific quote generated by Steelcase. Please contact MAs@steelcase.com for complete renewal process information or with any questions.

*Tip: When selecting the 2 year renewal option, the list price is 15% less per year compared to the base price. When selecting the 3 year renewal option, the list price is 30% less per year compared to the base price.*

*Note: A maintenance agreement renewal may be ordered for one, two, and three year periods, after original purchase as long as there is an active agreement in place. Maintenance agreement renewals cover up to four years from the unit's original shipping date.*

		1 year Renewal	2 year Renewal	3 year Renewal
Pricing				
media:scape tables Maintenance Agreement Renewal	MTMTNC	\$1350	\$2430	\$3038
media:scape mini and mobile Maintenance Agreement Renewal	MMMTNC	\$ 700	\$1260	\$1575
media:scape Virtual PUCK Maintenance Agreement Renewal	MSVPKMTNC	\$ 400	\$ 720	\$ 900
media:scape Digital Upgrade Package Standard Maintenance Agreement Renewal	TKMTNC	\$1350	\$2430	\$3038
media:scape Digital Upgrade Package Lite Maintenance Agreement Renewal	TK2MTNC	\$ 700	\$1260	\$1575
FlexFrame with media:scape Maintenance Agreement Renewal	FFDDMTNC	\$ 700	\$1260	\$1575
FrameOne with media:scape Maintenance Agreement Renewal	FMMTNC	\$1350	\$2430	\$3038
Coalesce Exponents media board with media:scape Maintenance Agreement Renewal	COC1MBWMSMTNC	\$ 700	\$1260	\$1575
Answer with media:scape	TS7MTMC	\$ 700	\$1260	\$1350



### For Canadian Pricing

Multiply U.S. Price by the Canadian price factor.

► See page 1 for details.



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<b>AWDR</b>	120	Victor2 Display
<b>AWRF254836</b>	119	Victor2 Freestanding Unit
<b>AWRF256036</b>	119	Victor2 Freestanding Unit
<b>AWRM183636</b>	116	Victor2 Mobile Unit
<b>AWTS</b>	120	Victor2 Tray Shelf
<b>COC1MBWMSMTNC</b>	130	Maintenance Agreement Renewal
<b>FFAA23</b>	105	Workwall Wire Manager
<b>FFAA29</b>	105	Workwall Wire Manager
<b>FFAA35</b>	105	Workwall Wire Manager
<b>FFAC</b>	102	Wire Management Cut-out Cover
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<b>FFDC3690R</b>	109	Cantilever Desk
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<b>FFDD3678R</b>	111	Cantilever Desk with media:scape
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<b>FFDD3690L</b>	111	Cantilever Desk with media:scape
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<b>FFDDMTNC</b>	130	Maintenance Agreement Renewal
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<b>FFKB2214M</b>	98	Cable Management Skin For Bin
<b>FFKB2814</b>	98	Skin For Bin
<b>FFKB2814M</b>	98	Cable Management Skin For Bin
<b>FFKB3414</b>	98	Skin For Bin
<b>FFKB3414M</b>	98	Cable Management Skin For Bin
<b>FFKC2324</b>	101	Cantilever Desk and Table Attachment Skin
<b>FFKC2924</b>	101	Cantilever Desk and Table Attachment Skin
<b>FFKC3524</b>	101	Cantilever Desk and Table Attachment Skin
<b>FFKD2214</b>	97	Skin For 16½"H Double Shelf
<b>FFKD2214M</b>	97	Cbl Mgmt Skin For 16½"H Double Shelf
<b>FFKD2214T</b>	97	Tech Skin For 16½"H Double Shelf
<b>FFKD225</b>	96	Skin For 8¼"H Double Shelf
<b>FFKD2814</b>	97	Skin For 16½"H Double Shelf
<b>FFKD2814M</b>	97	Cbl Mgmt Skin For 16½"H Double Shelf
<b>FFKD2814T</b>	97	Tech Skin For 16½"H Double Shelf
<b>FFKD285</b>	96	Skin For 8¼"H Double Shelf
<b>FFKD3414</b>	97	Skin For 16½"H Double Shelf
<b>FFKD3414M</b>	97	Cbl Mgmt Skin For 16½"H Double Shelf
<b>FFKD3414T</b>	97	Tech Skin For 16½"H Double Shelf
<b>FFKD345</b>	96	Skin For 8¼"H Double Shelf
<b>FFKK2316</b>	95	16½" High Skin
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<b>FFKK238</b>	95	8¼" High Skin
<b>FFKK2916</b>	95	16½" High Skin
<b>FFKK2916M</b>	95	Cable Management Skin
<b>FFKK2916T</b>	95	Technology Skin
<b>FFKK2933</b>	95	33" High Skin
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<b>FFKK358</b>	95	8¼" High Skin
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<b>FFKS2215</b>	97	Skin For 16½"H Single Shelf
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<b>FFKS2215T</b>	97	Tech Skin For 16½"H Single Shelf
<b>FFKS227</b>	97	Skin For 8¼"H Single Shelf
<b>FFKS2815</b>	97	Skin For 16½"H Single Shelf
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<b>FFKT2933C</b>	99	TV Attachment Skin, Centered
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<b>FFKT3533C</b>	99	TV Attachment Skin, Centered
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<b>FFKW298</b>	100	Worksurface Attachment Skin
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<b>FFLD30</b>	106	30 Watt Light Dimming Kit
<b>FFLD60</b>	106	60 Watt Light Dimming Kit
<b>FFLK30</b>	106	30 Watt Light Kit
<b>FFLK30E</b>	107	30 Watt Remote Ctrl Light Kit w Dimmer
<b>FFLK60</b>	106	60 Watt Light Kit
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<b>FFPF22108</b>	87	Workwall Perimeter Frame
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FFPF6472	87	Workwall Perimeter Frame	FFSH19298C	89	Double Shelf
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<b>FFVH78</b>	103	Modular Harness
<b>FFVH84</b>	103	Modular Harness
<b>FFVH90</b>	103	Modular Harness
<b>FFVH96</b>	103	Modular Harness
<b>FFVIH</b>	104	Hardwire Power Infeed
<b>FFVR1</b>	103	1-Circuit Receptacle Kit
<b>FFVR2</b>	104	2-Circuit Receptacle Kit
<b>FFVT23</b>	104	Workwall Base Power Tray
<b>FFVT29</b>	104	Workwall Base Power Tray
<b>FFVT35</b>	104	Workwall Base Power Tray
<b>FMMTNC</b>	130	media:scape M.A. Renewal
<b>MMMTNC</b>	130	Maintenance Agreement Renewal
<b>MSVPKMTNC</b>	130	Maintenance Agreement Renewal
<b>MTMTNC</b>	130	Maintenance Agreement Renewal
<b>TK2MTNC</b>	130	Maintenance Agreement Renewal
<b>TKMTNC</b>	130	Maintenance Agreement Renewal
<b>TS7MTMC</b>	130	Maintenance Agreement Renewal



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