Avenir Systems Furniture Specification Guide

Availability

Electronic price list updated with release 200.K (U.S.) and 156.K (Canada), dated February 26, 2024.

All specifications subject to change without notice. Reference the electronic catalog/Hedberg for current pricing.

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 T. Products that are scheduled to be culled are indicated with an X, followed by the last order entry date.

Surface Materials

The surface materials team has announced the launch of the Finish Library, found at www.steelcase.com/finishlibrary/.

▶For a list of all trademarks, refer to the last page of this specification guide. © 2024 Steelcase Inc.

Working With This Specification Guide

Ten Tips: How to Get the Most Out of This Book 2
Things to Know About Avenir 4
Additional Resources 5
Related Products 6

Understanding

Panels 7
Worksurfaces 55
Storage 81
Lighting 115
Wiring and Cabling 127

Specifying

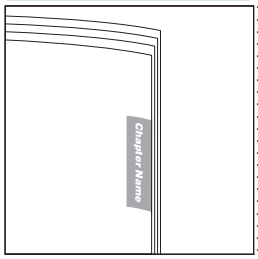
Specifying Tips 152
Panels 155
Worksurfaces 189
Storage 205
Lighting 233

Surface Materials 241
Resources 261
Lock and Keying 262
Style Number Index 264

For Canadian Pricing
Canadian factor can be found at www.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.

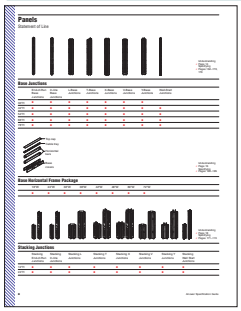
Ten Tips:
How to Get the Most Out of This Book

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

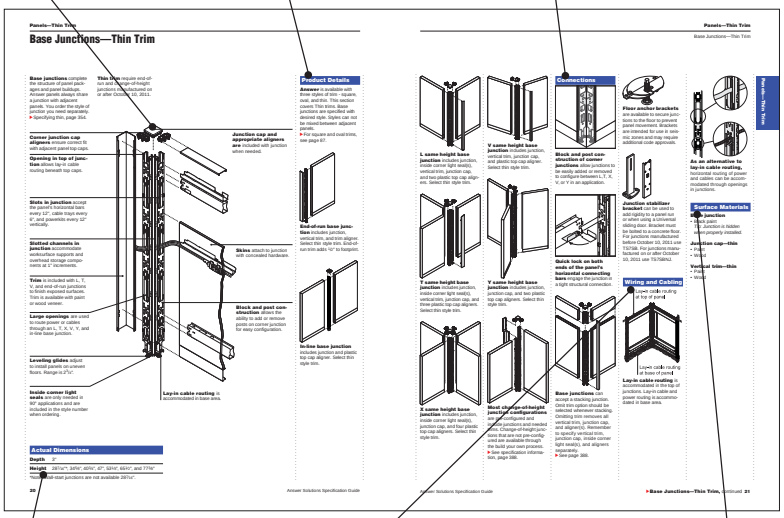
Study the product detail pages in the *Understanding* section to learn everything an expert knows about specific products. Each product detail page in this section contains the following features, where applicable:

- 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.

Steelcase
February 2024

Tip 5

Refer to the specifying pages for all the information needed to order a product. Each product specifying page contains a variety of elements to help you complete a specification:

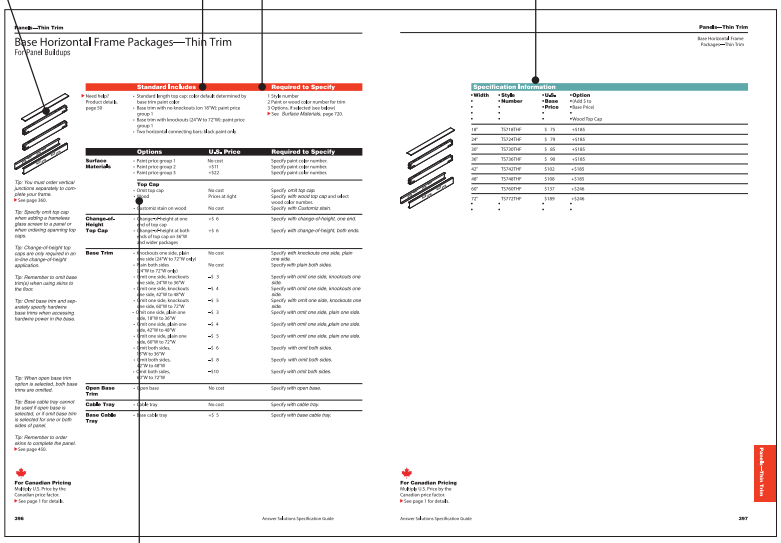
- Product Drawing
- Standard Includes
- Required to Specify
- Options
- Related Products
- Specification Information
  - Dimensions
  - Style Number
  - Price

Standard Includes
(under the red or dark grey band) provides a list of what comes standard with the product.

Required to Specify
(under the red or dark grey band) itemizes the information that you must provide to order the standard product and the preferred sequence for specification.

Specification Information
(under the teal or light grey band) provides product dimensions, style numbers, and prices for the standard product and any surface material choices that are available.

Product Drawing
shows you what the product looks like.



Panels—Thin Trim

Base Horizontal Frame Packages—Thin Trim
For Panel Buildups

Standard Includes

Required to Specify

Options

U.S. Price

Specification Information

Style Number

Width

Option

Page

Options
(under the black band) lists all the options that apply to the product, their price, and what is required to specify.

Related Products
provide specification information for products that are directly related.

Tip 6

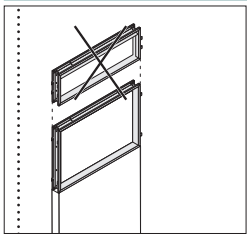
Italic typeface on specifying pages usually identifies wording that you should use in your order.

Tip 7

To determine how many skins are needed to complete a panel, consult the table at the right.
Tip: Remember to order skins for both sides of the panel buildup.

Watch for tips throughout the text that give you explanations and helpful instructions.

Tip 8



Learn what you cannot do by looking for drawings crossed out with an "X."

Tip 9

Use the surface materials listings in the Surface Materials section of this book to find surface material color numbers.

Tip 10

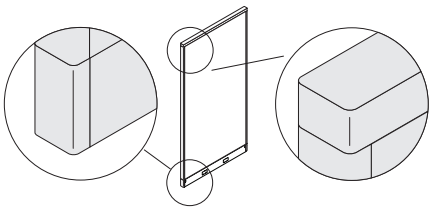
Style Number	Page
TS7042BL	131
TS7042S	130
TS7048BL	131
TS7048S	130
TS7060BL	131
TS7060S	130
TS7072BL	131

Refer to the style number index when you know a style number and you need to find the page that has more details about the product.

Things to Know About Avenir

Panels

Panels are available to define spaces and create privacy for individuals and teams. Panels can be used to support shelves and storage bins and worksurfaces. Worksurfaces can be freestanding.

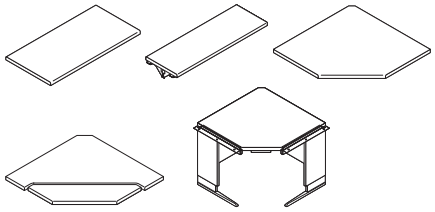


Tackable acoustical panels comprise a steel frame and acoustical surfaces attached to each side.

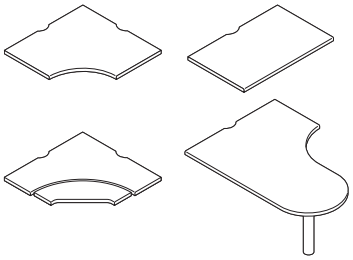
Worksurfaces

Worksurfaces are available in two types:

- Avenir 1½"-thick panel-supported worksurfaces
- Curvilinear worksurfaces



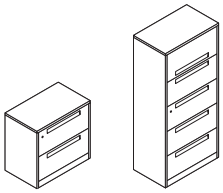
Avenir 1½"-thick worksurfaces are available in a broad range of shapes. Avenir 1½" Thick worksurfaces have a wood core and a wood or laminate surface.



Curvilinear worksurfaces are available to allow a broader range of workstation layouts. The worksurfaces have a wood core with a laminate surface.

Storage

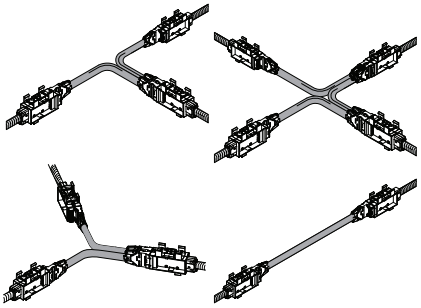
Storage with 200 Series pulls includes a broad array of choices, including fixed pedestals, worksurface-supported pedestals, mobile pedestals, and 200 Series lateral files.



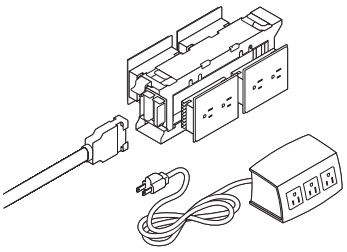
(TS 200 Series lateral files)

Wiring and Cabling

Power distribution systems can be built using powerways in Avenir.



Powerways can be used to build power distribution networks within the bases of Avenir panels. A full range of components are available to allow power networks to go wherever there are panels and to provide access where the user needs it.



Internode components can be used to build power distribution networks and data/voice networks. These components attach above and below Avenir worksurfaces. Internode components cannot connect to Avenir powerways.

Additional Resources

Avenir is supported with an array of informational materials, tools, and software to help you plan an installation efficiently.

Product brochures and planning tools can be ordered through your Steelcase area office by calling 1.800.784.0358 or through the Marketing Resouces web site at village.steelcase.com.

Product Brochures

Avenir
This brochure is designed to give you a general overview of Avenir, and ways to renew and refresh Avenir with Universal Storage and Universal Worksurfaces.
Form number 05-0000976

Planning Tools

Quick Ship Guide
This handbook describes all Steelcase and Coalesse products that are available for Rapid2 (ships in 2 days), Rapid5 (ships in 5-7 days), or Coalesse Rapid10 (ships in 10 days).

Printed Materials

Surface Materials Reference Manual
This publication provides:
- An explanation of the surface materials
- "Available on" matrices
- Vertical surface fabric and seating upholstery selection listing
- Technical data for surface materials
- Surface material care and cleaning instructions

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), 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.

For more information about these and other software tools to help you plan effective work environments, please email fsl@steelcase.com.

Digital Publications
You can access these digital publications at www.steelcase.com or village.steelcase.com.

Product Comparison CD
This interactive tool is filled with basic product information and comprehensive data detailing how Steelcase and competitors position their products, enabling you to compare Steelcase products to the competition. Invaluable in helping to prepare bids, proposals, and presentations.
Form number S10847

Avenir Product Training
Basic training for Avenir is available as part of the Building Product Muscle (BPM) curriculum on the Steelcase University Web site at village.steelcase.com.

The Avenir BPM is a self-paced, printable module designed to build knowledge of the Avenir's positioning, statement of line, features and benefits, competitive products, application, and sales presentation for Steelcase and dealer salespeople. The Avenir BPM is course SAL119.

Installation Training is available for salespeople. This Avenir sales-focused product training gives hands-on learning opportunities on how products work and how to present features and benefits. The course code is SAL 133.

Enhancing Your Avenir Environments CD-ROM
This interactive CD tool helps customers leverage their existing Avenir products.
Form number 04-0012964

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 ordering or product 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.

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 or warranty concerns or service parts questions.

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

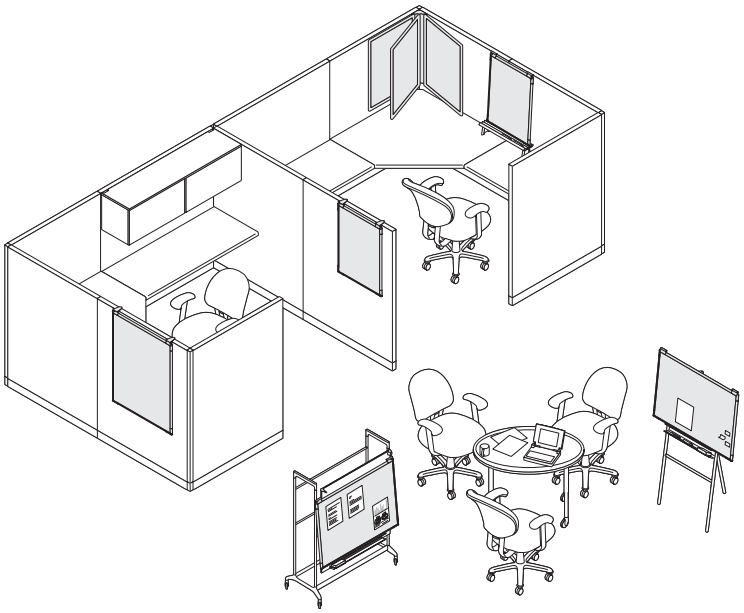
For information about Steelcase, the name of your nearest Steelcase dealer, or for product literature, call 1.800.333.9939, or visit our Web site: steelcase.com.

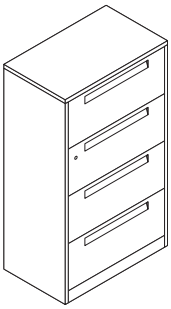
Sustainability

At Steelcase, we believe business can be a force for good. We create long-lasting products that are better for people and better for the planet. Our products and operations use life cycle thinking to meet our commitment to reducing climate change. This commitment is reinforced by practices such as designing to minimize global warming and other life cycle impacts, ensuring material health, and enabling end-of-use strategies. To learn more at a corporate level, visit: *https://www.steelcase.com/discover/steelcase/esg-overview/environmental/* Product Environmental Profiles, which provide key environmental attributes such as recycled content, embodied carbon and recyclability, as well as product certifications can be found by searching for Steelcase at *Origin.build*.

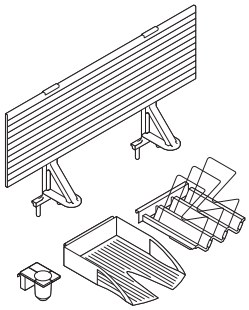
Related Products

Steelcase and other manufacturers produce products that are ideal to use with Avenir. Some of them are listed here along with details about how to get product literature.





TS 200 Series storage products are equipped with pulls that match Avenir 200 Series drawer pulls.
▶See *Storage Specification Guide*



Steelcase worktools include a full line of ergonomically designed products that enhances and improves the work setting. Product platforms include computer support tools, organizational worktools, and personal lighting.
▶For additional information refer to *Steelcase Worktools Specification Guide.*

Understanding Panels

Statement of Line 8

Product Details

Tackable Acoustical Panels 10
Transparent Panels 14
Panel Stackers 16
Panel Door with Frame 18

Related Products

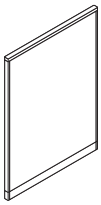
Top Caps 20
Panel Connectors 21
Change-of-Height Panel Connectors 27
Filler Packages 28
End-of-Run Fillers 30
Panel Bracket Packages 31
Panel Accessories 32
Base Power-Ins 34
2" x 2" Power Poles and Cable Poles 36
Powerways 38
Base Covers and Receptacles 40

Application Topics

Receptacle Locations 42
Panel Creep 43
How Panel-Supported Components Fit 44
Solutions to Overhead Storage Problems Caused by PAB2 Brackets 45
How Connectors Affect Panel-Supported Components 48
How Connectors Affect Power Flow 49
Rules for Panel Stability 50
Rules for Panel Stacker Stability 52
Rules for Panel Stability with Components 53

Statement of Line

Panels



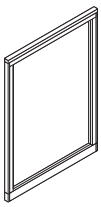
Understanding
▶ Page 10
Specifying
▶ Page 158

Tackable Acoustical

	24 5/16"W	30 5/16"W	36 5/16"W	42 5/16"W	48 5/16"W
41"H	●	●	●	●	●
53"H	●	●	●	●	●
65"H	●	●	●	●	●

Replacement surfaces are available. ▶See page 167.

Tip: Panel height varies according to the top cap selected.



Understanding
▶ Page 14
Specifying
▶ Page 160

Transparent

	24 5/16"W	30 5/16"W	36 5/16"W	42 5/16"W	48 5/16"W
65"H	●	●	●	●	●

Tip: Panel height varies according to the top cap selected.

Tackable fabric-covered panel stacker

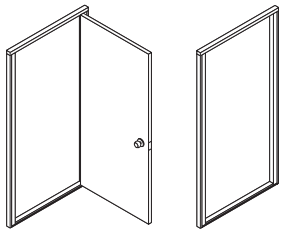
Glass panel stacker

Understanding
▶ Page 16
Specifying
▶ Pages 162–164

Panel Stackers

	24"W	30"W	36"W	42"W	48"W
11"H	●	●	●	●	●
12"H	●	●	●	●	●
15"H	●	●	●	●	●
24"H	●	●	●	●	●

Tip: Panel height varies according to the top cap selected.

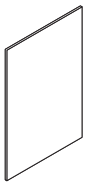


Understanding
Page 18
Specifying
Page 166

Panel Door with Frame

	42 5/16"W
80"H	●*

* = Also available as frame only.
Tip: Panel door frame height varies according to the top cap selected.



Understanding
Page 10
Specifying
Page 167

Tackable Acoustical Fabric-Covered Replacement Skins

	18"W	24"W	30"W	36"W	42"W	48"W	60"W
33"H	●	●	●	●	●	●	●
41"H	●	●	●	●	●	●	●
53"H	●	●	●	●	●	●	●
65"H	●	●	●	●	●	●	●
80"H	●	●	●	●	●	●	

Tip: 28½"H replacement panel surfaces are used on 28½"H straight transparent panels. 42"H replacement panel surfaces are used on 42"H tackable acoustical panels and also on 42"H straight transparent panels.

Tackable Acoustical Panels

Tackable acoustical panels are constructed with a steel frame and acoustical surfaces that are attached to each side.
▶Specifying, page 158

Septum and low-density fiberglass (acoustical insert) is included on 65" and higher panels.

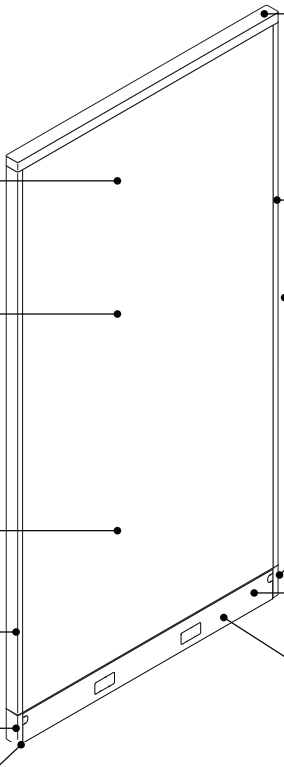
Fiberglass material construction provides a tackable surface, serves as a sound barrier, and improves acoustical qualities.

Panel surface is covered with fabric.

End trim finishes the vertical edge of the panel.

Base-end door slides up to provide access to base cavity and has a knockout for routing cables through a panel run.

Leveling glides adjust to install panels on uneven floors.



Steel top caps are available in two heights—low (L) and medium (M). Wood top caps are available in two heights— low (L) and medium (M).

Frame is constructed with rigid, tubular steel.

Slotted channel accepts panel-supported components in 1" increments.

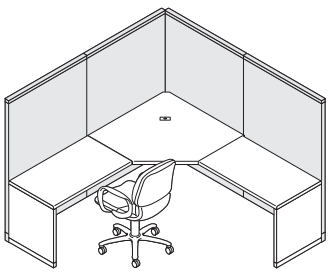
Communication cord knockouts allow cables to pass through the base cover.

Base cavity accepts a factory- or field-installed powerway. Cable routing is also possible.

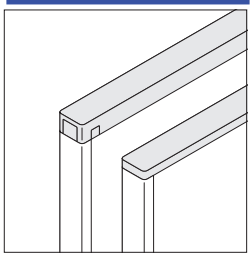
Base cover is removable to allow access to cavities in panel base. Base cover has receptacle knockouts. Base covers have a receptacle opening on the left and right side of the base cover. *Exception: 24"W base covers have a receptacle opening in the center of the base trim.*
▶Page 40

Actual Dimensions

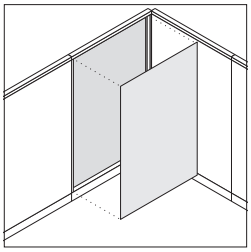
Depth (thickness)	2"	
Width	24 5/16", 30 5/16", 36 5/16", 42 5/16", or 48 5/16"	
Low top cap height	5/8"	
Medium top cap height	1 3/8"	
Leveling glide range	1 1/16"	
Height	with low top cap	with medium top cap
41"H panel	40 1/2"	41 1/4"
53"H panel	51 5/8"	52 3/8"
65"H panel	63 15/16"	64 11/16"



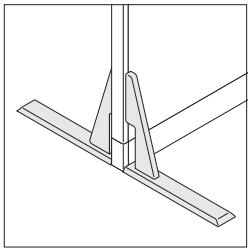
Product Details



Top caps come in two height options that will alter the panel height according to the top cap selected. See dimensions table below.
▶Page 20

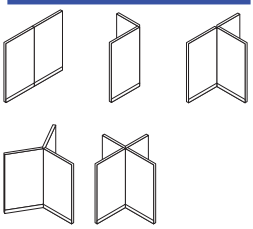


Panel surface is removable for replacement with a new surface. The top cap, end trim, and base cover can remain intact during the replacement process. Special tools are not required. Adjacent panels are not disrupted.



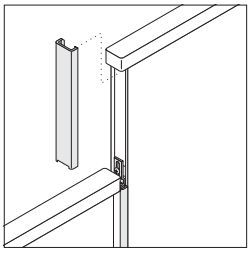
Panel stabilizer feet are designed to provide additional support for panels when they aren't stabilized by components. Each foot extends 16" from the side of the panel.

Connections

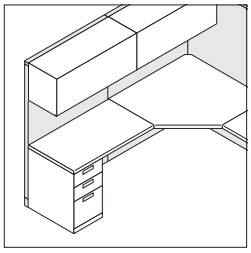


Universal connector package, shipped with every panel, joins panels of the same height in a straight line or in L-, T-, Y-, or X-configurations.
▶Page 21

Connectors are available to attach panels to adjacent panels and walls.
▶Pages 22–26



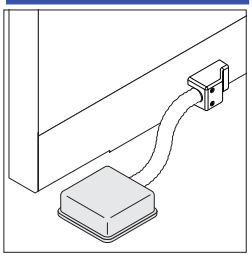
Change-of-height panel connector provides a finished edge when panels of varying heights are joined in a straight line, L-, T-, or X-configuration. It will not work with fillers, power poles, or cable poles that are in a T-configuration.
▶Page 27



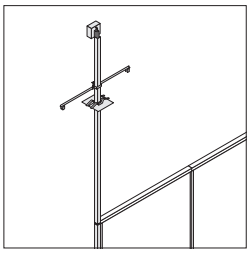
Panels can support components, including worksurfaces, shelves, and storage bins.

Panel-run stability recommendations vary depending on the width of the panel run and use of panel-supported components.
▶Pages 50–53

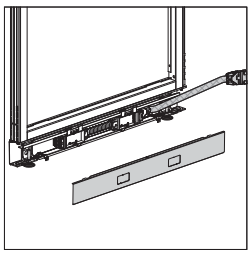
Wiring & Cabling



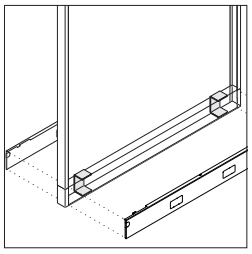
Base or end power-ins bring power to the panel run by connecting at a designated receptacle location or at the end of a powerway.
▶Page 34



Power poles and cable poles attach to the panel end or at L-, T- and X-connections. They bring power or communication cables from the ceiling.
▶Pages 36–41

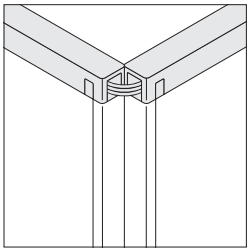


For panels 24"W and wider, powerways can be factory or field installed in the base cavity. Three-circuit or four-circuit powerways are available. All powerways include harness connectors that connect the powerway to the powerway in an adjacent panel. Harness connectors come attached to the powerway.

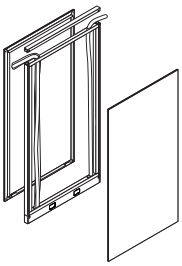


Base cavity can be accessed on either side of the panel. It is easier to route cords and cables, and to field install powerways, on the surface-one side because the C-shape foot opens to that side.

Panel-base end grommet is available to fit in base-end door knockout to protect cords and cables.



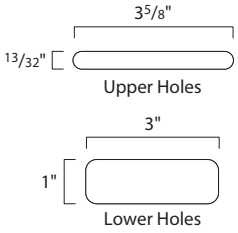
Cable knockout allows cable routing through steel medium top caps.
Exceptions: Wood top caps and low top caps do not allow for cable routing.
▶Page 20



Cable-management panel option is available to allow vertical cable routing.

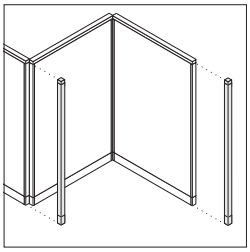
All cable-management panels have cable-routing openings in the frame to allow cables to be routed vertically inside the panel.

Interior frame of panel surface is notched at bottom to avoid blocking the cable routing channels.



Openings in panel frame for vertical cable routing accommodate a wide variety of voice and data cables.

Cable-management panel option is available only on tackable acoustical panels that are 24 5/16"W or wider.



Fillers aesthetically fill in the space at L-, T-, and X- connections. End-of-run fillers cover the exposed vertical edge of the last panel in a run. All fillers allow cables to run vertically.
▶Pages 28–30

Powerways include a wire separator to separate data and telecommunication cables from the powerway. For panels without power, there is an option to include a factory-installed wire separator to organize cables. Also, a wire separator can be obtained from Service Parts and can be field installed to panels without powerways.

All panels are UL listed and CSA certified.

Surface Materials

Top cap
- Paint (standard)
- Wood (option on low and medium top caps)
- Customiz stain (option on wood)

End trim
- Paint (standard)
- Fabric (option)

Base cover
- Paint (standard)

Panel surface
- Fabric

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.
Tip: If a panel has different surfaces, use these guidelines: the first surface you specify is considered to be surface one. The second surface you specify is surface two. End trims, left, right, or both, are specified while you're facing surface one. Factory-installed powerways are always installed with the green end of the powerway on the left-hand side as you face surface one.
▶Pages 38

Slotted channel
- Black paint only

Leveling glides
- Black only

Panel-base end grommet
- Black plastic only

Pricing

To price a panel with surface materials at different prices, add the two prices together and divide by two.

▶**Tackable Acoustical Panels,** continued

Application Topics

Base Covers and Receptacles
▶ Pages 40-41

Panel Creep
▶ Page 43

How Connectors Affect Panel-Supported Components
▶ Page 48

How Connectors Affect Power Flow
▶ Page 49

Wiring and Cabling
▶ Pages 127–149

Cable Capacities
▶ Pages 148–149

Transparent Panels

Transparent panels define boundaries while remaining visually open.
▶ Specifying, page 160

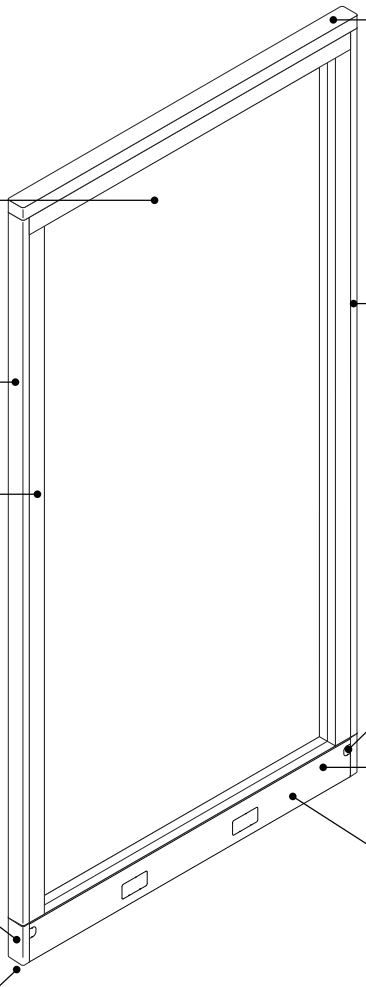
Transparent panel inserts are available with clear tempered glass.

End trim finishes the vertical edge of the panel.

Frame surface surrounding the transparent panel insert is covered with paint. Frame is constructed with rigid, tubular steel.

Base-end door slides up to provide access to base cavity and has a knockout for routing cables through a panel run.

Leveling glides adjust to install panels on uneven floors.



Steel top caps are available in two heights—low (L) and medium (M). Wood top caps are available in two heights— low (L) and medium (M).

Slotted channel accepts panel-supported components in 1" increments.

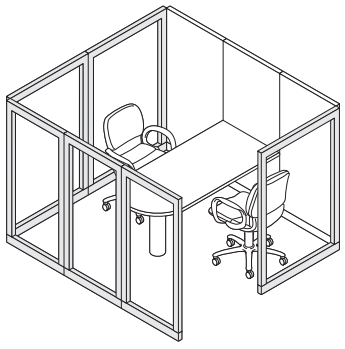
Communication cord knockouts allow cables to pass through the base cover.

Base cavity accepts a factory- or field-installed powerway. Cable routing is also possible.

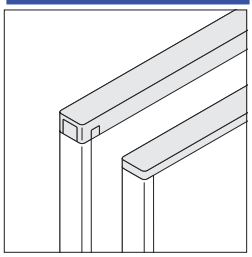
Base cover is removable to allow access to cavities in panel base. Base cover has receptacle knockouts. Base covers have a receptacle opening on the left and right side of the base cover. *Exception: 24"W base covers have a receptacle opening in the center of the base trim.*
▶ Page 40

Actual Dimensions

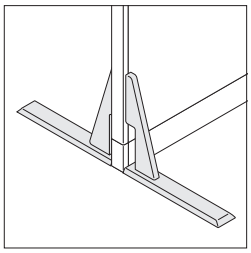
Depth (thickness)	2"	
Width	$24\frac{5}{16}$" or $48\frac{5}{16}$"	
Insert depth (thickness)	$\frac{1}{4}$"	
Insert width	$19\frac{1}{8}$", $25\frac{1}{8}$", $31\frac{1}{8}$", or $43\frac{1}{8}$"	
Insert height	$55\frac{3}{16}$" or 71"	
Low top cap height	$\frac{5}{8}$"	
Medium top cap height	$1\frac{3}{8}$"	
Leveling glide range	$1\frac{1}{16}$"	
Height	with low top cap	with medium top cap
65"H panel	$63\frac{15}{16}$"	$64\frac{11}{16}$"



Product Details

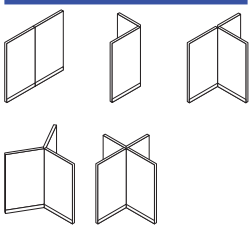


Top caps come in two height options that will alter the panel height according to the top cap selected. See dimensions table below.
▶ Page 20



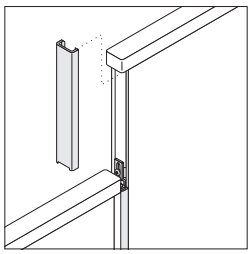
Panel stabilizer feet are designed to provide additional support for panels when they aren't stabilized by components. Each foot extends 16" from the side of the panel.
▶ Page 32

Connections



Universal connector package, shipped with every panel, joins panels of the same height in a straight line or in L-, T-, Y-, or X-configurations.
▶Page 21

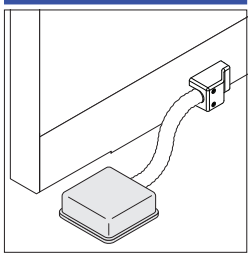
Connectors are available to attach panels to adjacent panels and walls.
▶Pages 22–26



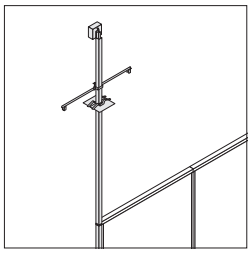
Change-of-height panel connector provides a finished edge when panels of varying heights are joined in a straight line, L-, T-, or X-configuration. It will not work with fillers, power poles, or cable poles that are in a T-configuration.
▶Page 27

Panel-run stability recommendations vary depending on the width of the panel run and use of panel-supported components.
▶Pages 50–53

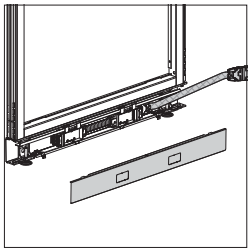
Wiring & Cabling



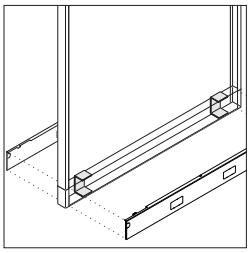
Base or end power-ins bring power to the panel run by connecting at a designated receptacle location or at the end of a powerway.
▶Page 34



Power poles and cable poles attach to the panel end or at L-, T- and X-connections. They bring power or communication cables from the ceiling.
▶Page 36

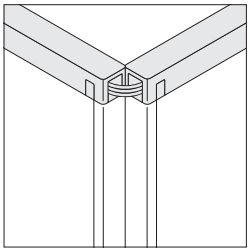


Powerways can be factory or field installed in the base cavity. Three-circuit or four-circuit powerways are available. All powerways include harness connectors that connect the powerway to the powerway in an adjacent panel. Harness connectors come attached to the powerway.
▶Page 38

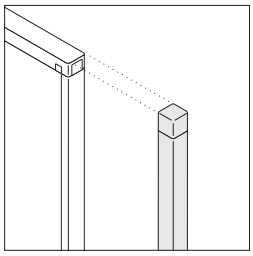


Base cavity can be accessed on either side of the panel. It is easier to route cords and cables, and to field install powerways, on the surface-one side because the C-shape foot opens to that side.

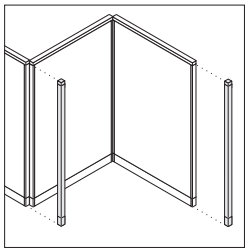
Panel-base end grommet is available to fit in base-end door knockout to protect cords and cables.



Cable knockout allows cable routing through steel medium top caps.
Exceptions: Wood top caps and low top caps do not allow for cable routing.
▶Page 20



End-of-run filler covers the exposed vertical edge of the last panel in a run. Fillers allow cables to run vertically at the end of a run of panels.
▶Page 30



Fillers conceal cables running vertically and aesthetically fill in the space at L-, T-, and X- connections.
▶Pages 28–30

Powerways include a wire separator to separate data and telecommunication cables from the powerway. For panels without power, there is an option to include a factory-installed wire separator to organize cables. Also, a wire separator can be obtained from Service Parts and can be field installed to panels without powerways.

All panels are UL listed and CSA certified.

Surface Materials

Top cap
- Paint (standard)
- Wood (option on low and medium top caps)
- Customiz stain (option on wood)

Frame surface
- Paint (standard)

End trim
- Paint (standard)
- Fabric (option)

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

Base cover
- Paint (standard)

Panel insert
- 6500 Clear glass

Slotted channel
- Black paint only

Leveling glides
- Black only

Panel-base end grommet
- Black plastic only

Application Topics

Base Covers and Receptacles
▶Page 40

Panel Creep
▶Page 43

How Connectors Affect Power Flow
▶Page 49

Wiring and Cabling
▶Pages 127–149

Cable Capacities
▶Pages 148-149

Panel Stackers

Tackable and Glass

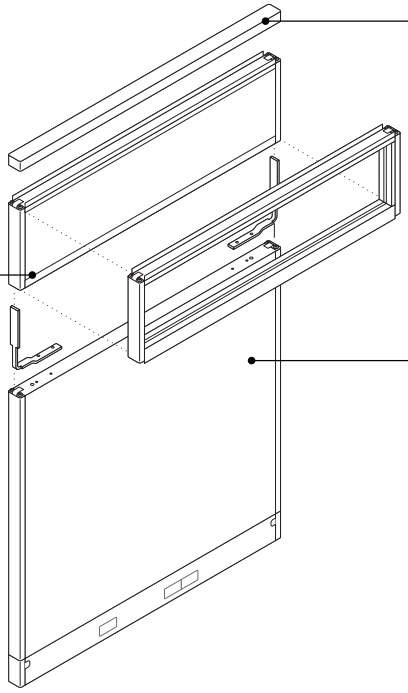
Panel stackers provide visual privacy to existing panels.

Panel stackers are constructed of extruded, painted, aluminum frame. Choices include tackable—skin on each side covered with vertical surface fabric, and glass—single panel of clear, tempered safety glass on panel centerline.

Panel stackers are not designed to fit over Avenir panel doors or on the top of glass panels.

▶Specifying, pages 162–165

Stackers are designed for single stacking. Panel stackers cannot be stacked on top of one another.



Top cap from base panel is used to trim the top of the stacker. Wood top caps can be field modified to fit onto stackers.

Stacker panels do not have slotted channels and thus are non-load bearing for components.

Actual Dimensions

Depth (thickness)	2"
Width	$24\frac{5}{16}$", $30\frac{5}{16}$", $36\frac{5}{16}$", $42\frac{5}{16}$", or $48\frac{5}{16}$"
Height	$11\frac{1}{8}$", $12\frac{5}{16}$", $15\frac{13}{16}$", or $23\frac{7}{16}$"

Product Details

Top caps are removed from the base panel and are used to trim the top of the stacker. Fabric panel surface is non-removable and non-replaceable.

Stacker panels are connected to the base panels with two attachment brackets that use existing holes in the Avenir panel frame. For panels manufactured prior to 1999, optional screws are required. They are included in the stacker hardware package. The top reveal from the base panel is removed and used on the top of the stacker.

Connections

Panel stackers are provided with a panel attachment bracket to align and connect stackers at the same height to adjoining panels or other panel stackers. The panel attachment bracket helps stabilize and align the stackers for proper fit and finish.

Wiring & Cabling

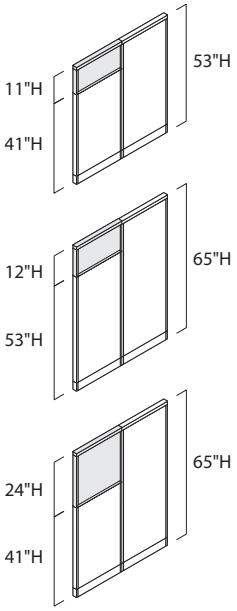
Power and cables cannot be routed vertically or horizontally or accessed in panel stackers. There is no change-of-height cable management available with panel stackers.

Surface Materials

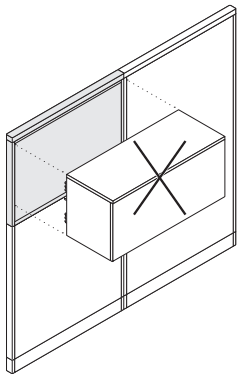
The fabric specified for tackable fabric stackers is the same on both sides of the panel stacker. The glass stacker is offered in 6500 Clear Tempered glass and 6530 Frosted Glass (option).

For most fabrics, fabric application is standard in the warp horizontal direction.
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

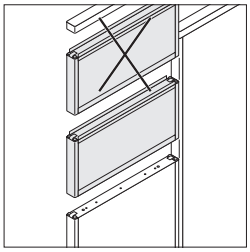
Application Topics



Panel stackers are available in four heights. 11" heights are used when aligning stackers on 42"H base panels to adjoining 53"H base panels. 12" heights are used when aligning 53"H base panels to adjoining 65"H basepanels. 24" heights are used when aligning 41"H base panels to adjoining 65"H base panels. In applications where the stackers are not aligning to adjacent base panels, any of the four heights can be used.



Hanging components cannot be used on panel stackers. Panel stackers are non-load bearing.



Panel stackers cannot be stacked on top of another panel stacker.

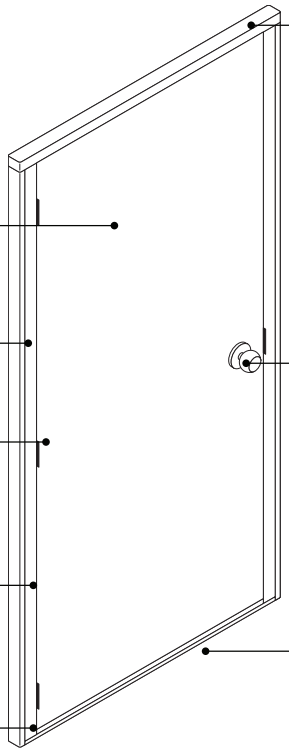
Panel stackers are UL-listed and CSA-certified.

Panel stackers are not designed to fit over Avenir panel doors or on the top of glass panels.

Rules for Panel Stacker Stability
▶ See Page 53

Panel Door with Frame

Panel door can be added to workstations for additional privacy.
▶ Specifying, page 166



Door has a honeycomb core with a laminate surface.

Frame is constructed with rigid, tubular steel.

Hinges are standard on the left, but are field reversible allowing the door to swing inward or outward.

Side jambs support the hinged door.

D-shape molding seals the side jambs and door. It also absorbs sound when the door is opened and closed.

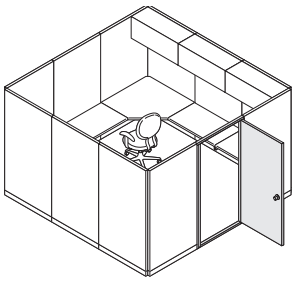
Steel top caps are available in two heights—low (L) and medium (M). Wood top caps are available in two heights— low (L) and medium (M).

Doorknob and lock are centered on the door and are standard on the right, but can be reversed in the field. Optional door handle with lock is available.

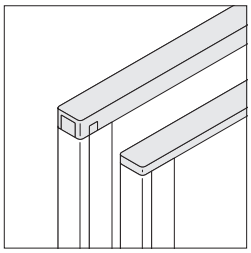
Threshold has an adjustable assembly for installation on an uneven floor.

Actual Dimensions

Panel door	
Depth (thickness)	$1\frac{15}{32}$"
Width	$35\frac{25}{32}$"
Height	$77\frac{7}{8}$"
Frame	
Depth (thickness)	2"
Width	$42\frac{5}{16}$"
Low top cap height	$\frac{5}{8}$"
Medium top cap height	$1\frac{3}{8}$"
Height with low top cap	$79\frac{3}{4}$"
Height with medium top cap	$80\frac{1}{2}$"
Interior clearance	
Width	36"
Height	$78\frac{5}{16}$"
Threshold adjustment range	1"



Product Details



Top caps come in two height options that will alter the frame height according to the top cap selected. See dimensions table below.
▶ Page 20

Frame alone may be used with locally obtained, non-drilled door and hardware.

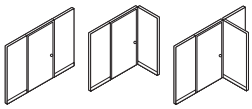
Door frame can be installed so that door swings in or out 180°.

Hinges, lock, and hardware are included in the package with the door.

Lock on the panel door is a Schlage brand lock. Knob and latch are heavy-duty residential grade with $\frac{3}{4}$"-diameter latch.
Tip: A typical industrial-grade latch is 1" diameter and won't fit this door.

Width of door frame meets barrier-free standards.

Connections



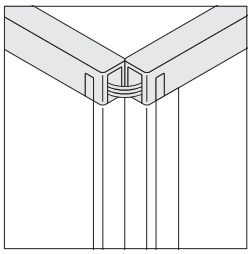
Universal connector package, shipped with every door frame, joins panel doors in a straight line or in L- or T-configurations with adjacent 80"H panels.
▶Page 21

Panel run stability recommendations vary depending on the use of adjacent panels or panel-supported components.
▶Pages 50–53

Building wall connection is not possible.

Panel stackers are not designed to fit over Avenir panel doors.

Wiring & Cabling



Cable knockout allows for cable routing through steel medium top caps. *Exceptions: Wood top caps and low top caps do not allow for cable routing.*
▶Page 20

Surface Materials

Top cap
- Paint (standard)
- Wood (option on low and medium top caps)
- Customiz stain (option on wood)

Frame
- Paint (standard)

Threshold
- Stainless Steel only

Door
- Laminate (standard)
▶See *Surface Materials Reference Manual.*
- Open Line laminate (option)
  A program including non-Steelcase laminates that are suitable for use on Steelcase products.
▶See *Surface Materials Reference Manual.*

Hinge
- Brushed Chrome only

Doorknob
- Brushed Chrome only

Application Topics

⚠CAUTION

Panel door with frame cannot ship to customer locations in Canada. The frame only style number in conjunction with a locally obtained door should be used for customers in Canada in need of a swing door solution.

Recommended specifications for locally obtained doors are:
Thickness - 1½"
Width - 35 25/32"
Height - 77 7/8"
Weight - 55 pounds

Hardware recommendations, when the frame is ordered alone and a locally obtained door is used, are as follows:
Orbit—Schlage F5IN
Finish—626
Latch Bolt—16-107
Strike—10-026
McKinney Hinge—T-2714
Hagger Hinge—1279

Panel Creep
▶Page 43

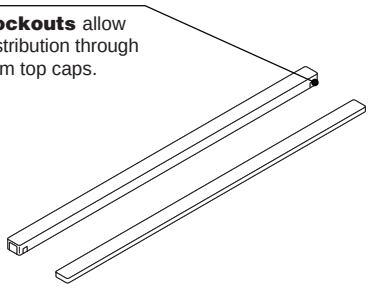
Wiring and Cabling
▶Pages 127–149

Cable Capacities
▶Page 148

Top Caps

Steel top caps are available in two heights—low (L) and medium (M). Wood top caps are available in two heights—low (L) and medium (M).

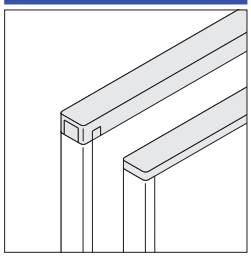
Cable knockouts allow for cable distribution through steel medium top caps.



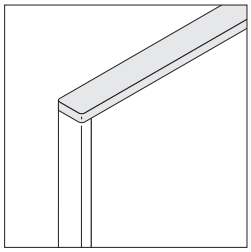
Actual Dimensions

Depth	2"
Width	$18^{17}/_{64}$", $24^{17}/_{64}$", $30^{17}/_{64}$", $36^{17}/_{64}$", $42^{17}/_{64}$", $48^{17}/_{64}$", or $60^{1}/_{2}$"
Low top cap height	$^{5}/_{8}$"
Medium top cap height	$1^{3}/_{8}$"

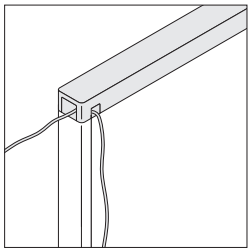
Product Details



Panel height varies depending on which of the two top cap heights you choose.

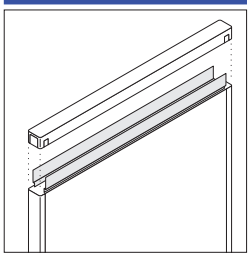


Wood or steel low top caps provide a clean profile for use when no cabling is required.



Steel medium top caps have a cavity that allows cords and cables to pass through on straight panels. Cable knockouts are available as an option. Wood medium top caps do not allow for cord and cable routing.

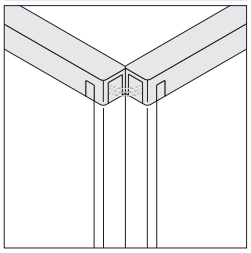
Connections



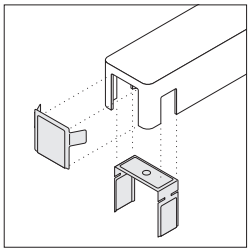
Continuous clip, located on the top of the panel, allows the steel top cap to snap into place. Wood top cap slides onto compression dowels.

Substituting different height top caps can be accomplished in the field.

Wiring & Cabling



Cable knockouts are optional on steel medium top caps to allow cables to be routed through a panel run or to exit the top cap. *Exception: Wood top caps and low top caps are not equipped with knockouts.*



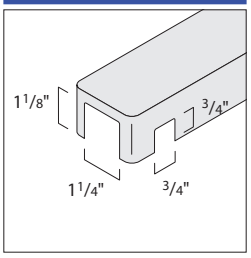
Cable knockout filler package inserts in the top cap to fill the knockout holes when they are no longer needed.

Surface Materials

Top cap

- Paint (standard)
- Wood (option on low and medium top caps)
- Customiz stain (option on wood)

Application Topics

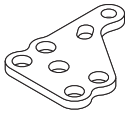


Medium top cap cable knockout dimensions.

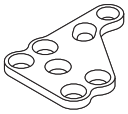
Panel Connectors

Universal Connector Package

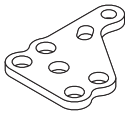
Universal connector package is shipped with every panel. Additional packages are available through Service Parts.



Top connector plate for steel top cap



Top connector plate for wood top cap



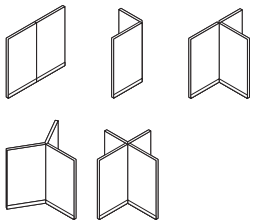
Bottom connector plate

Tear-drop filler

End filler

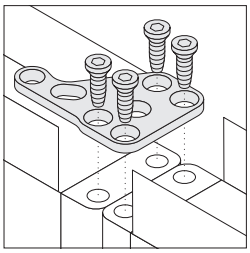
Pins

Connections

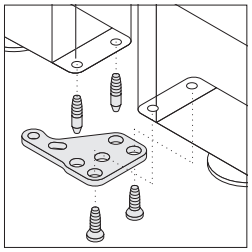


Connects panels of the same height in straight, L-, T-, Y-, or X-configurations.

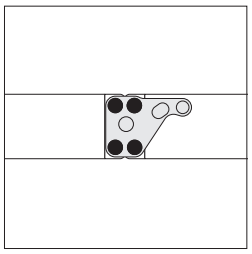
Each panel is provided with two connector plates, fillers, mounting screws, and pins.



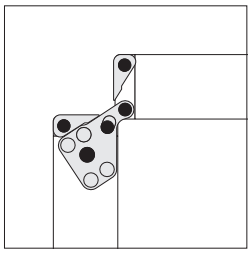
Top connector plate attaches to tops of panels.



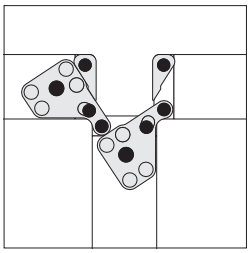
Bottom connector plate connects panels in the same way as the top connector plate.



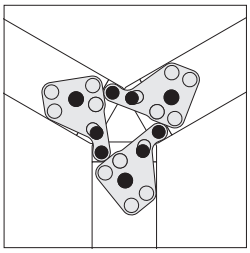
Straight configuration



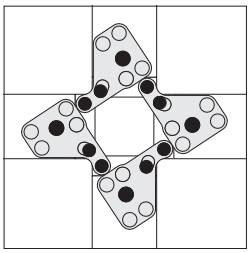
L-configuration



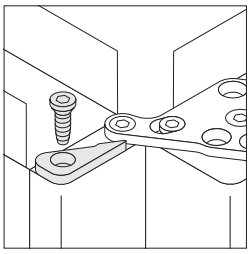
T-configuration



Y-configuration can be achieved at any angle when two universal connectors are used, because one panel can pivot from where it is attached. A Y-configuration with three 120° angles can be locked in place by using three connectors instead of two.

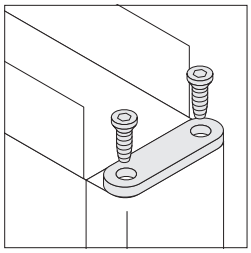


X-configuration



Tear-drop fillers continue the black reveal line below the top cap and create a uniform appearance at panel junctions.

Wood top caps are standard with a top connector plate that has countersunk holes for the screws so the connection is flush.



End fillers continue the black reveal line below the top cap and create a uniform appearance at the end of a panel run.

Surface Materials

Universal connector

- Black paint only

Application Topics

Power and cable poles can be attached in the recess that results when panels are joined with the connector in L- or T-configurations.

Panel Creep
▶Page 43

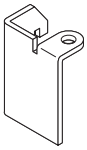
Solutions to Overhead Storage Problems Caused by PAB2 Brackets
▶Page 45

How Connectors Affect Panel-Supported Components
▶Page 48

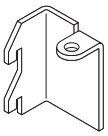
How Connectors Affect Power Flow
▶Page 49

Varying-Height Connector Packages (PAB2)

▶Specifying, page 168

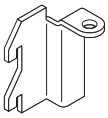


Right-hand straight connector



Left-hand straight connector

Right-hand angle connector

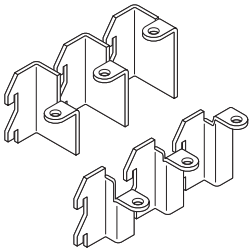


Left-hand angle connector

End Filler

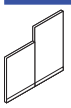
Tip: See page 45 for details about relationships between PAB2 brackets and panel- supported overhead storage components.

Product Details

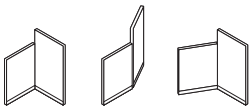


Three versions of both of these connectors are available. You must specify the connector package that corresponds with the height of the shorter panel.

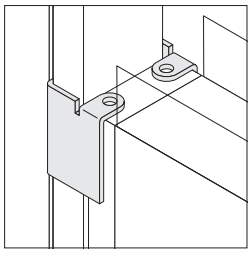
Connections



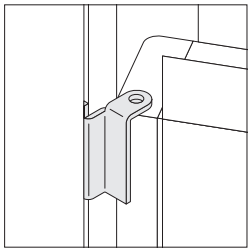
Straight connectors attach panels of varying heights in a straight configuration.



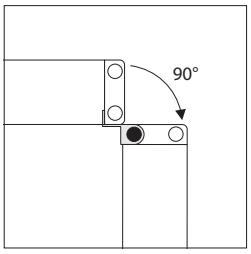
Angle connectors attach panels of varying heights and pivot to different angles.



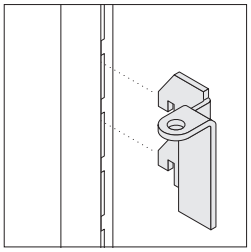
Straight connectors attach to the top of the shorter panel, and hook into one or both sides of the taller panel in a straight line. Alternative connectors and mounting screws are shipped in each package.



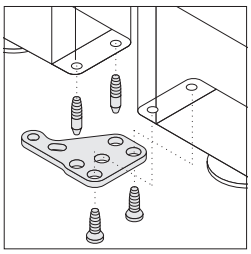
Angle connectors attach to the top of the shorter panel, and hook into one side of the taller panel. Alternative connectors and mounting screws are shipped in each package.



Angle connector allows a panel to be positioned at any angle up to 90°.



Connector occupies two slots in the taller panel's slotted channel.



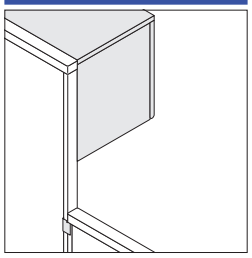
Bottom connector plate, part of the universal connector package shipped with every panel, must be attached to the bottom of the shorter panel.

Surface Materials

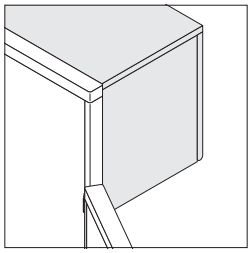
Varying-height connectors

- Paint

Application Topics



If you plan to attach overhead storage while using a straight connector, plan the storage location to avoid the connector position because a portion of the slotted channel is blocked on both sides of the taller panel.



If you plan to attach overhead storage while using an angle connector, plan overhead storage location to avoid the connector position.

▶Page 45

Power poles and cable poles can be attached in the recess that results when panels are joined with the angle connector.

Change-of-Height Panel Connectors

▶Page 27

Panel Creep

▶Page 43

Solutions to Overhead Storage Problems Caused by PAB2 Brackets

▶Page 45

How Connectors Affect Panel-Supported Components

▶Page 48

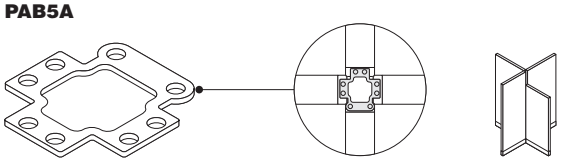
How Connectors Affect Power Flow

▶Page 49

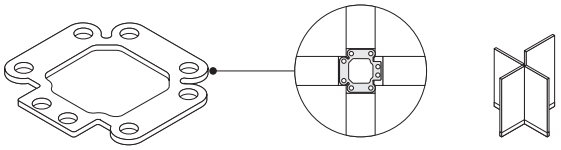
Varying-Height Connector Packages (PAB5)

▶Specifying, page 169

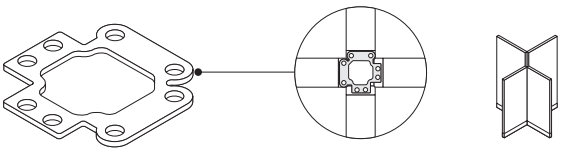
PAB5A



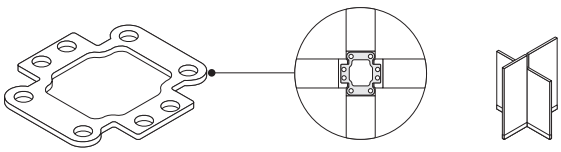
PAB5B



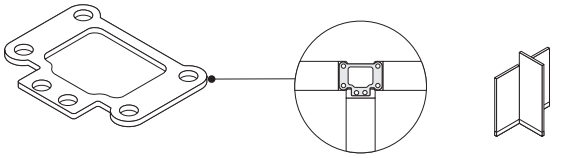
PAB5C



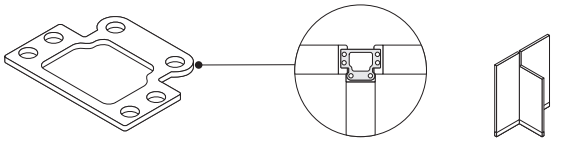
PAB5D



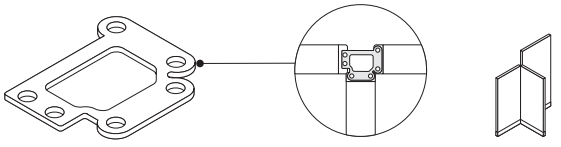
PAB5E



PAB5F



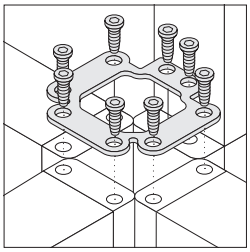
PAB5G



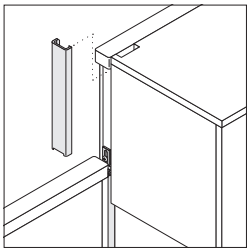
Product Details

PAB5 connectors are available to join panels of different heights in T- and X-configurations without obstructing a panel's slotted channel which could block the installation of overhead storage components.
▶For details about these configurations, see page 169

Connections



Attaches to the tops of the panels underneath the top caps. Mounting screws are included with each package.



Change-of-height panel connectors are used to join taller panels in configuration.
▶Page 27

Bottom connector attaches to the bottom of the panels. Mounting screws are included.

Varying-height connector packages (PAB5) are used in conjunction with change-of-height panel connectors.
▶Page 169

Wiring & Cabling

Powerway routing through the base cavity is not blocked by the PAB5 connectors.

Cable routing through the top cap is not blocked by the PAB5 connectors.

Vertical cable routing can be accommodated inside a filler.
▶Page 30

Surface Materials

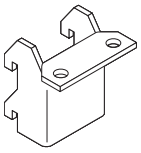
Varying-height connector
- Black paint only

Application Topics

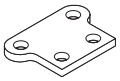
Solutions to Overhead Storage Problems Caused by PAB2 Brackets
▶Page 45

Varying-Height Perpendicular Connector Packages (PAB3)

▶Specifying, page 168



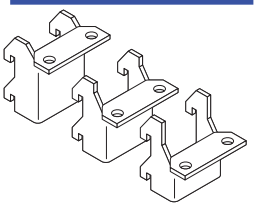
Varying-height connector



Bottom connector plate

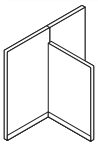
End Filler

Product Details

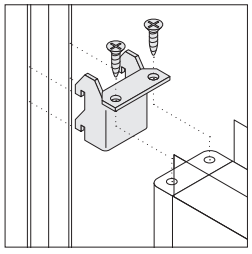


Three versions of this connector are available. You must specify the connector package that corresponds with the height of the shorter panel.

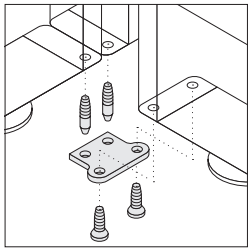
Connections



Connects shorter perpendicular panel to a straight panel run of taller panels. Any height combinations are possible.

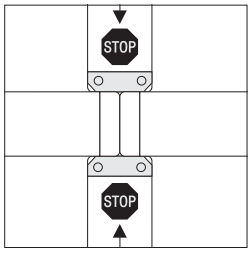


Attaches to the top of the shorter panel and hooks into the slotted channels of the taller panels. Mounting screws are included in each package.



Bottom connector plate attaches to all three panels.

Wiring & Cabling



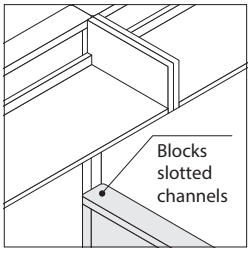
Powerway routing through the base cavity ends when it reaches the perpendicular panel. There are no pass-through or bridging capabilities.

Surface Materials

Varying-height perpendicular connector

- Paint

Application Topics



Shorter perpendicular panel blocks a portion of the slotted channels and covers one inch of the surfaces of both adjacent panels. Some panel-supported components may fit depending on the height difference of the panels.

Change-of-height panel connector offers an alternative way to connect panels of different heights.
▶Page 27

Panel Creep
▶Page 43

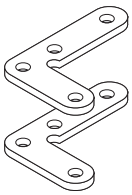
Solutions to Overhead Storage Problems Caused by PAB2 Brackets
▶Page 45

How Connectors Affect Panel-Supported Components
▶Page 48

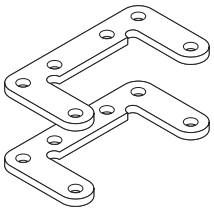
How Connectors Affect Power Flow
▶Page 49

Closed-Configuration Connector Package (PAB9)

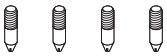
▶Specifying, page 170



L-connectors

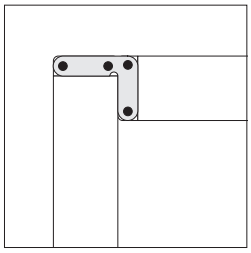


T-connectors

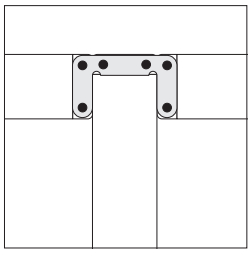


Pins

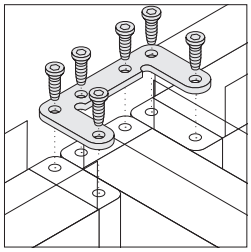
Connections



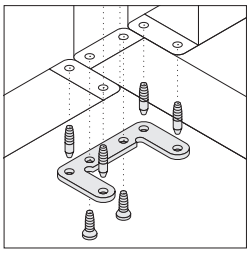
Connects two perpendicular panels of the same height and forms a flush corner without the two-inch recess that results when you use a universal connector package in an L-configuration.



Package also contains hardware to form a flush T-configuration. Panels must be the same height.

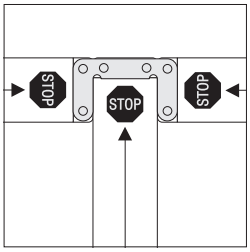


Attaches to tops of the panels underneath the top caps. Mounting screws are included in each package.



Bottom connector attaches to the bottom of the panels. Mounting screws are included.

Wiring & Cabling



Powerway routing through the base cavity ends when it reaches the perpendicular panel.

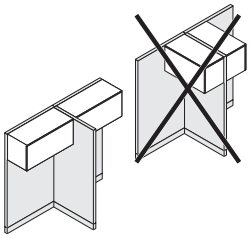
Electrical routing is possible through lap joints. Shorter base covers are available upon request to complete this type of installation and to allow access to the base cavity.

Surface Materials

Closed-configuration connector

- Black paint only

Application Topics



Slotted channel and two inches of the perpendicular panel's surface will be blocked. Plan location of panel-supported components accordingly.

Panel Creep
▶Page 43

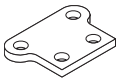
Solutions to Overhead Storage Problems Caused by PAB2 Brackets
▶Page 45

How Connectors Affect Panel-Supported Components
▶Page 48

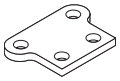
How Connectors Affect Power Flow
▶Page 49

Perpendicular Connector Package (PAB4)

▶Specifying, page 170

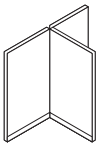


Top connector plate

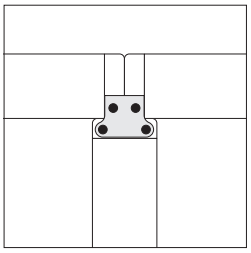


Bottom connector plate

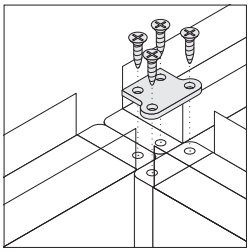
Connections



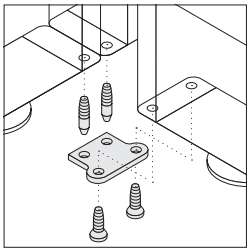
Connects a perpendicular panel to a straight panel run. Panels must be the same height.



Perpendicular connectors eliminate the two-inch gap that results when you use a universal connector in a T-configuration.

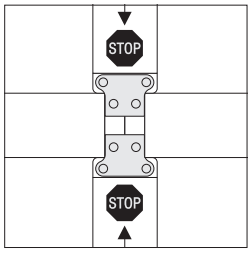


Attaches to the tops of panels underneath the top caps of panels. Mounting screws are included in each package.



Bottom connector plate attaches to all three panels.

Wiring & Cabling



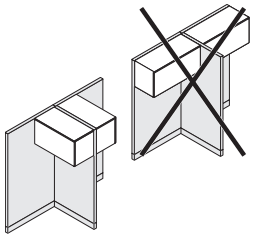
Powerway routing through the base cavity ends when it reaches the perpendicular panel. There are no pass-through or bridging capabilities.

Surface Materials

Perpendicular connector

- Black paint only

Application Topics



Perpendicular panel blocks the slotted channels and covers one inch of the surfaces of both adjacent panels. Plan location of panel-supported components accordingly.

Panel Creep
▶Page 43

Solutions to Overhead Storage Problems Caused by PAB2 Brackets
▶Page 45

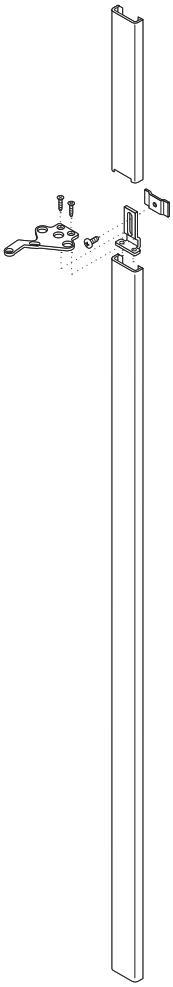
How Connectors Affect Panel-Supported Components
▶Page 48

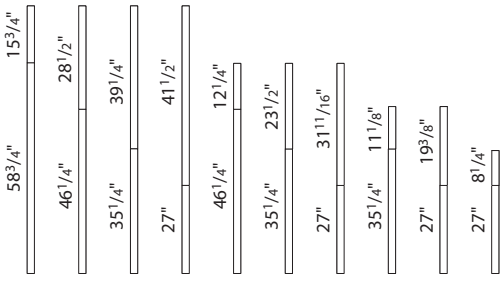
How Connectors Affect Power Flow
▶Page 49

Change-of-Height Panel Connectors

Change-of-height panel connector joins panels at varying heights in a straight line or at a 90° angle. The panel connector is divided into two pieces at the height of the lower panel. It attaches to the taller panel.

▶Specifying, page 171

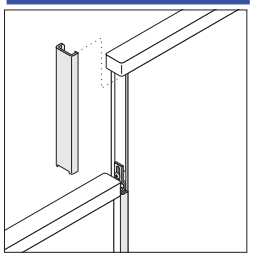




Actual Dimensions

Depth	5/8"
Width	2"

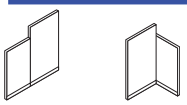
Product Details



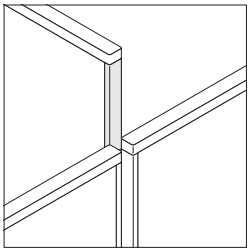
Change-of-height panel connector can be field installed on all panels.

Change-of-height panel connector provides a cleaner look than the varying-height connector package (PAB2).

Connections

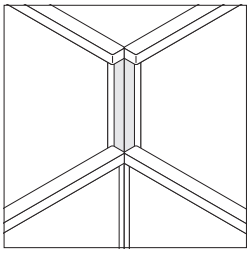


Straight-line or L-configurations can use the change-of-height panel connector.



T-configurations can use the change-of-height panel connector when the wings of the "T" are the same height and the perpendicular panel of the "T" is the higher panel.

A varying-height connector package (PAB2) must be used when the perpendicular panel of the "T" is shorter than the wings of the "T".



X-configurations require two change-of-height panel connectors and two varying-height connector packages (PAB2). The change-of-height panel connectors are used to connect a taller panel to a shorter panel at a 90° angle. The varying-height connector package (PAB2) joins these two 90° connections.

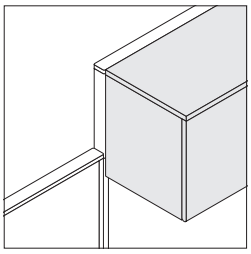
Surface Materials

Panel connector

- Paint (standard)
- Fabric (option)

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.

▶See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.



Upper storage can be attached anywhere to a panel when a change-of-height connector is used.

Varying-Height Connector Packages (PAB2)

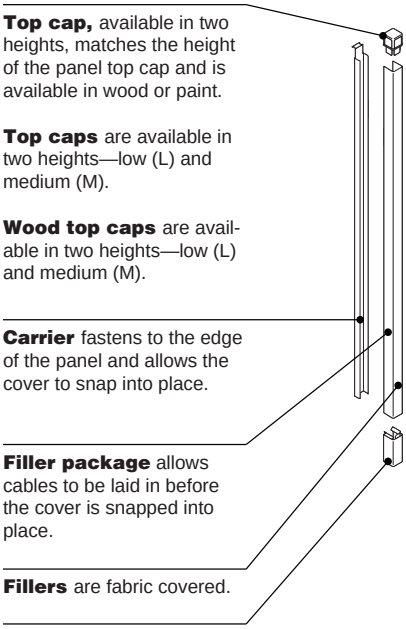
▶Page 22

Solutions to Overhead Storage Problems Caused by PAB2 Brackets

▶Page 45

Filler Packages

Fillers close the gap that results when panels form L-, T-, and X-configurations. They also conceal cables that run between and vertically through panels of the same height or different heights.
▶ Specifying, page 172



Top cap, available in two heights, matches the height of the panel top cap and is available in wood or paint.

Top caps are available in two heights—low (L) and medium (M).

Wood top caps are available in two heights—low (L) and medium (M).

Carrier fastens to the edge of the panel and allows the cover to snap into place.

Filler package allows cables to be laid in before the cover is snapped into place.

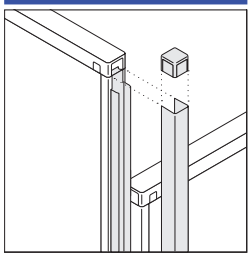
Fillers are fabric covered.

Base cover matches the base of adjacent panels.

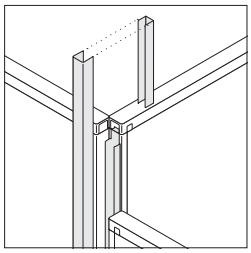
Actual Dimensions

Depth	$1\frac{5}{8}$"	
Width	$1\frac{9}{16}$"	
Height	with low top cap	with medium top cap
41"H panel	$40\frac{1}{2}$"	$41\frac{1}{4}$"
53"H panel	$51\frac{5}{8}$"	$52\frac{3}{8}$"
65"H panel	$63\frac{15}{16}$"	$64\frac{11}{16}$"
80"H panel	$79\frac{3}{4}$"	$80\frac{1}{2}$"

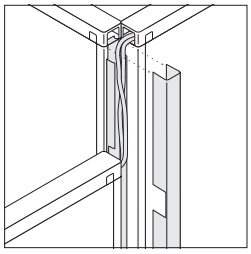
Product Details



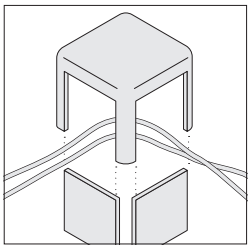
Carrier must attach to specific panels in each configuration. In L-configurations, the carrier must attach to the tallest panel. In T-configurations, the carrier must attach to the center panel. In X-configurations, the carrier must attach to the panel opposite the lowest panel in the configuration.



Back filler closes the open segment of a filler when the filler extends above its carrier in some T- and X-configurations.

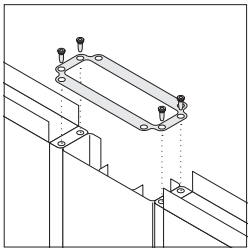


Knockouts are provided to accommodate lay-in cable routing through panels of varying heights.

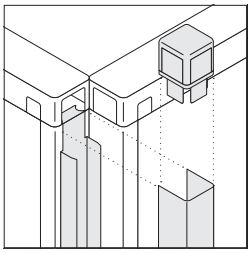


Reusable doors in top cap can be removed to permit cable routing.

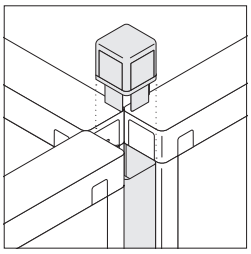
Connections



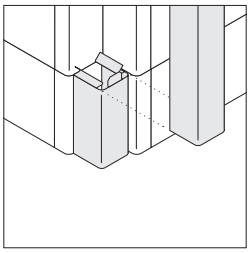
Carrier fastens to the end of a panel with screws that attach below the top cap. Panel remains intact so fillers can be removed and relocated later.



Filler snaps onto the carrier.



Top cap and reveal snap into the top of the filler.



Base cover is attached to the filler.

Surface Materials

Filler cover
- Fabric

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Carrier
- Black paint only

Top cap
- Paint (standard)
- Wood
- Customiz stain (option on wood)

Base cover
- Paint (standard)

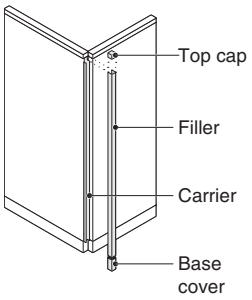
Application Topics

Panels with low or wood top caps have no cable routing capability.

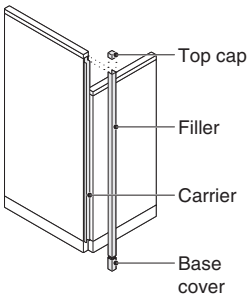
Steelcase
February 2024

L-Configurations

Carrier always attaches to the tallest panel in an L-configuration.



Panels of same height

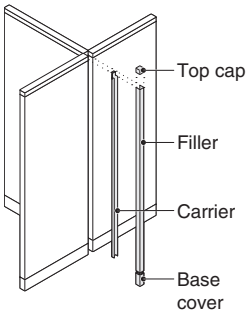


Panels of different heights

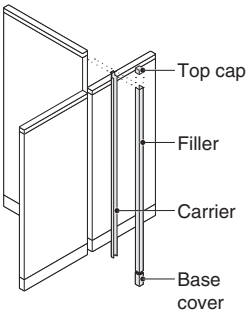
T-Configurations

Carrier must connect to center panel in a T-configuration.

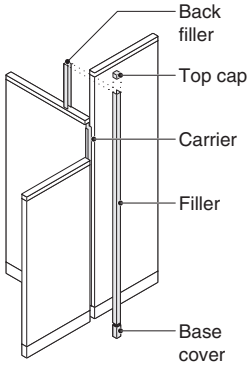
Back filler is needed when the center panel of the T-configuration is exceeded in height by one or more other panels.



Panels of same height



Panels of different heights

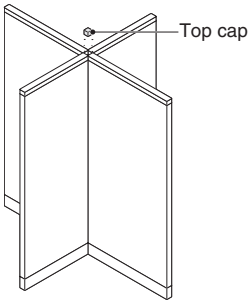


Panels of different heights

X-Configurations

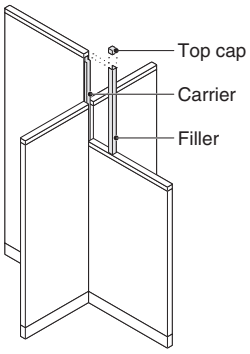
Carrier must attach to the panel opposite the lowest panel in an X-configuration.

Back filler is needed when the panel that the carrier is attached to is exceeded in height by one or more other panels.



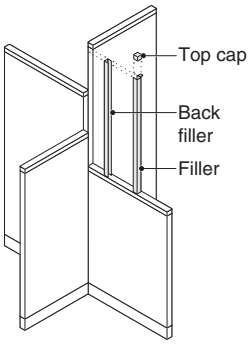
Panels of same height

Top cap (without carrier, filler, or base cover) finishes X-configuration with panels of the same height.



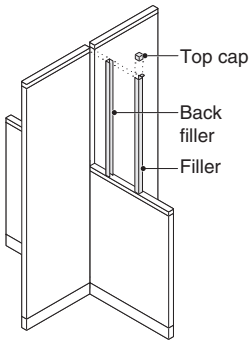
Panels of different heights

Carrier attaches to panel opposite the shortest panel.



Panels of different heights

Filler is positioned against the panel opposite the shortest panel and is held in place beneath the top cap of the tallest panel. Back filler closes gap in filler.



Panels that form a gap

Filler fits in gap and is held in place with screws beneath the top cap of the tallest panel. Back filler closes gap in filler.

End-of-Run Fillers

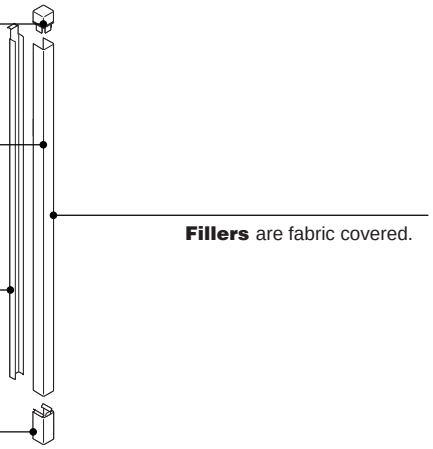
End-of-run fillers cover the exposed vertical edge of the last panel in a run. They allow cables to run vertically at the end of a panel run.
▶Specifying, page 175

Top cap matches the height of the panel top cap.

Filler package allows cables to be laid in before the cover is snapped into place.

Carrier fastens to the edge of the panel and allows the cover to snap into place.

Base cover matches the base of adjacent panels.

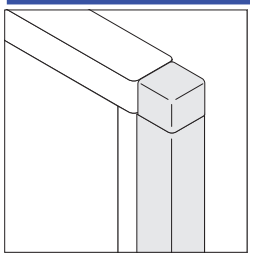


Fillers are fabric covered.

Actual Dimensions

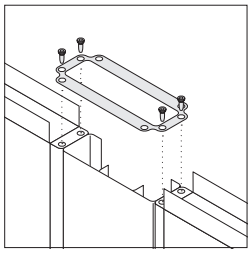
Depth	1¾"
Width	1¾"
Medium top cap height	1⅜"
Height	with medium top cap
41"H panel	41¼"
53"H panel	52⅜"
65"H panel	64 11/16"
80"H panel	80½"

Product Details

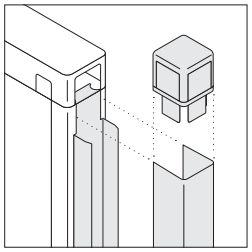


Filler must match the height of the panel.

Connections

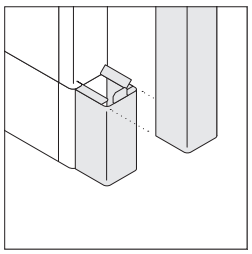


Carrier fastens to the end of a panel with screws that attach below the top cap. Panel remains intact so filler can be removed and relocated later.



Filler snaps onto the carrier.

Top cap and reveal snap into the top of the filler.



Base cover is attached to the filler.

Surface Materials

Filler cover
- Fabric

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

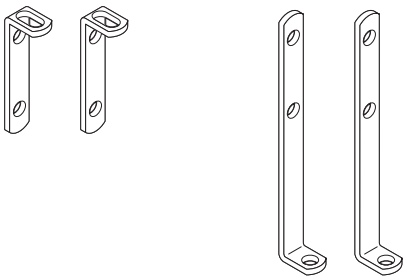
Carrier
- Black paint only

Top cap and base cover
- Paint

Panel Bracket Packages

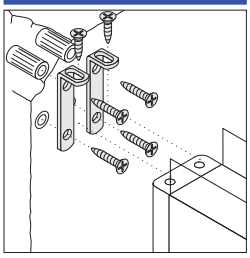
Panel-to-Wall Bracket Package (PAB6)

▶Specifying, page 176



Top bracket **Bottom bracket**

Connections



Attaches the top and bottom of the panel perpendicular to concrete block or reinforced plaster walls. Mounting screws that connect the brackets to the panel are included in each package.

Also attaches to large storage units that are the same height or taller than the panel (excluding the top cap).

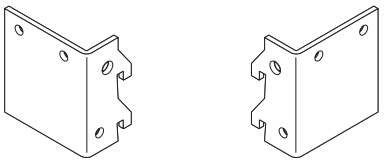
Bracket is 1/8" deep.

Surface Materials

Panel-to-wall bracket
- Black paint only

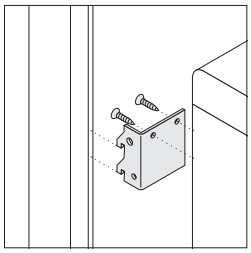
Panel-to-Furniture Bracket Package (PAB7)

▶Specifying, page 176



Right-hand bracket **Left-hand bracket**

Connections

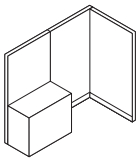


Bracket screws to the back of freestanding furniture and hooks into the slotted channel of the panel. Mounting screws are provided.

Surface Materials

Panel-to-furniture bracket
- Black paint only

Application Topics

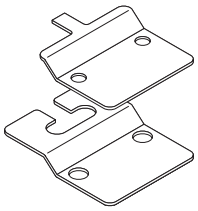


Bracket allows panels to be stabilized with freestanding furniture.

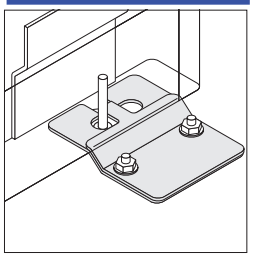
Rules for Panel Stability with Components
▶Page 50

Anchor Bracket

▶Specifying, page 176



Connections



Attaches to the panel glide located at the base of a panel.

Anchors a panel to the floor at the power entry point, such as a power pole or base power-in connection, to prevent panel movement and possible electrical wire damage.

Surface Materials

Anchor bracket
- Black paint only

Application Topics

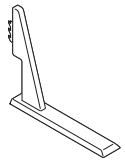
Breakaway base power-in may eliminate the need for an anchor bracket on a powered panel if the panel is 65"H or shorter.

Special Requirements for Los Angeles
▶Page 145

Steelcase
February 2024

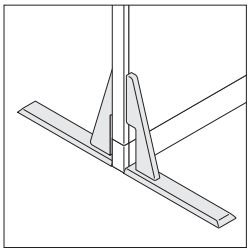
Panel Accessories

Panel Stabilizer Foot



▶Specifying, page 177

Application



Increases the stability of panel runs when furniture or perpendicular panels are not available to provide stability.

Pairs provide the most stability.

Connections

Attaches to all panels, including curved panels. Non-handed design allows foot to attach to either side of the panel.
Tip: Panel-stabilizer foot must not be used as the sole source of support for panels.

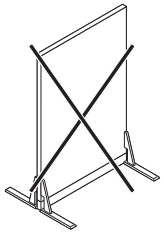
Each foot extends 16" from the base of the panel.

Surface Materials

Foot
- Paint

Application Topics

Stabilizes up to three panels if the panel run doesn't exceed 12'.
▶Pages 50–51

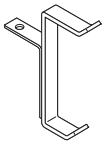


Panel stabilizer foot must not be used as the sole source of support for panels.

Actual Dimensions

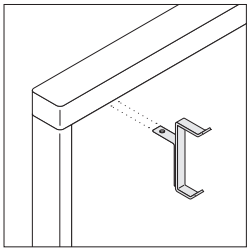
Depth	16"
Width	2¾"
Height	11¼"

Panel Coat Hook



▶Specifying, page 177

Application



Provides a convenient place for hanging coats and similar light objects in workstations.

Connections

Fits anywhere under the top cap reveal of panels with a painted top cap only. Panel coat hook cannot be used with wood top cap.

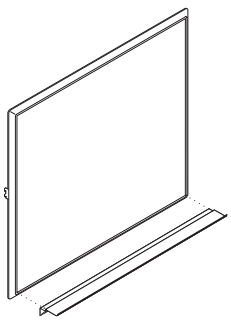
Surface Materials

Coat hook
- Paint

Actual Dimensions

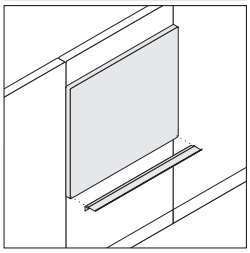
Depth	1⅞"
Width	½"
Height	4⁵⁄₁₆"

Markerboard and Tray



▶Specifying, page 178

Application



Provides a writing surface on the side of a panel.

Laminate surface on board cleans easily.

Tray to hold pens and accessories is available as an option.

Connections

Markerboard attaches to panels at any height using brackets that are included.

Tray is built into the marker board bottom frame and is available as an option.

Surface Materials

Markerboard surface
- White laminate only

Border and tray
- Black only

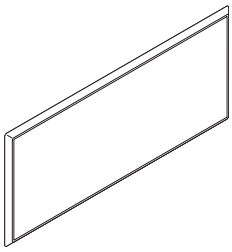
Application Topics

Wall channels are available to attach marker boards to interior walls.

Actual Dimensions

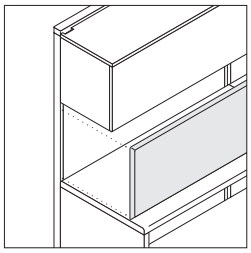
Board	
Depth	¾"
Width	30" or 36"
Height	33"
Tray	
Depth	1½"
Width	29½" or 35½"

Tackboard



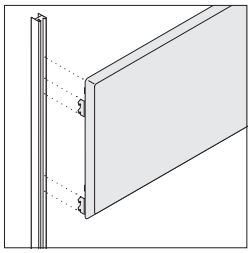
▶Specifying, page 178

Application



Provides increased tackability between overhead storage and worksurface when non-tackable panels are used.

Connections



Wall channels are available to attach tackboards to interior walls.
▶Page 109

Brackets, which are factory installed on the back of the tackboard, lock into the slotted channel of panels or into wall channels.

Surface Materials

Tackboard
- Fabric

Tip: Horizontal application is standard. Vertical application is available as an option.

Hardware
- Black paint only

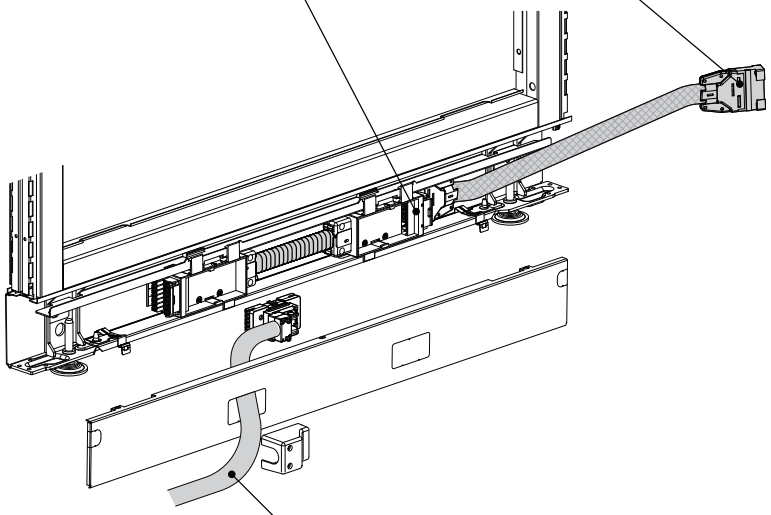
Actual Dimensions

Depth	3/4"
Width	30", 36", 42", 48", 60", or 72"
Height	17 3/4"

Base Power-Ins

Base power-ins are field installed and connect the panel electrical system to the building power source. All five wiring schematics are available.
▶Specifying, page 179

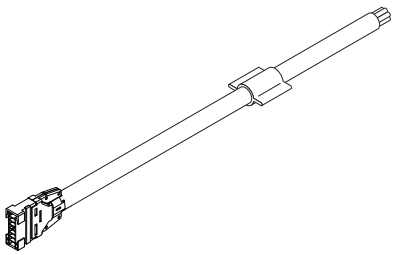
On June 19, 2023, Avenir power components changed design. Power components manufactured before June 19, 2023 are not compatiable with power components manufactured after June 19, 2023.
▶See *Avenir Power Component Transition Details* on page 136.



Connector on end of base power infeed harness occupies one receptacle location in powerblock.

Connector is included with base power infeed to conceal the connection.

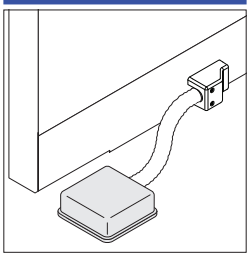
Flexible harness makes hardwired connection to building monument. The harness must be backfed through the base trim prior to connection into the building monument.



Actual Dimensions

Depth	2½"
Width	5½"
Height	1¾"
Conduit diameter	½"
Conduit length	6'
Elbow depth	1⅝"

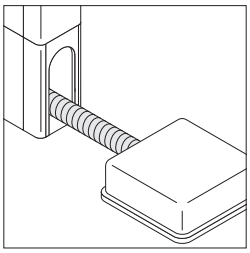
Product Details



Power-in brings power to panel run by connecting to a receptacle location of the powerway.

Base power-ins can use any of the powerway receptacle locations.

Conduit connects power-in to building's power source.



End power-ins interface the building power by entering at the end of a panel and connecting to a modular connection at the end of a powerway. A receptacle opening is not used.
▶Page 180

Wiring & Cabling

All the components in an electrical distribution network must use the same wiring schematic. Components are color coded and keyed to make it impossible to connect mismatched parts.

Building power source can come from the floor, wall, or column.

Conduit leads must be hardwired to the building wiring by a qualified electrician or engineer.

Power-ins are UL listed and CSA certified.

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. Consult a qualified electrical contractor or engineer for proper installation of electrical equipment.

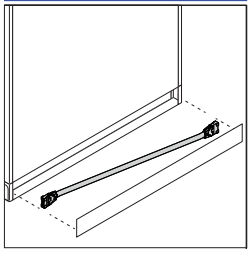
Chicago, San Francisco, and Los Angeles have special requirements.
▶Pages 143–145

Understanding Building Wiring
▶Page 146

Surface Materials

Conduit
- Black plastic only

Application Topics



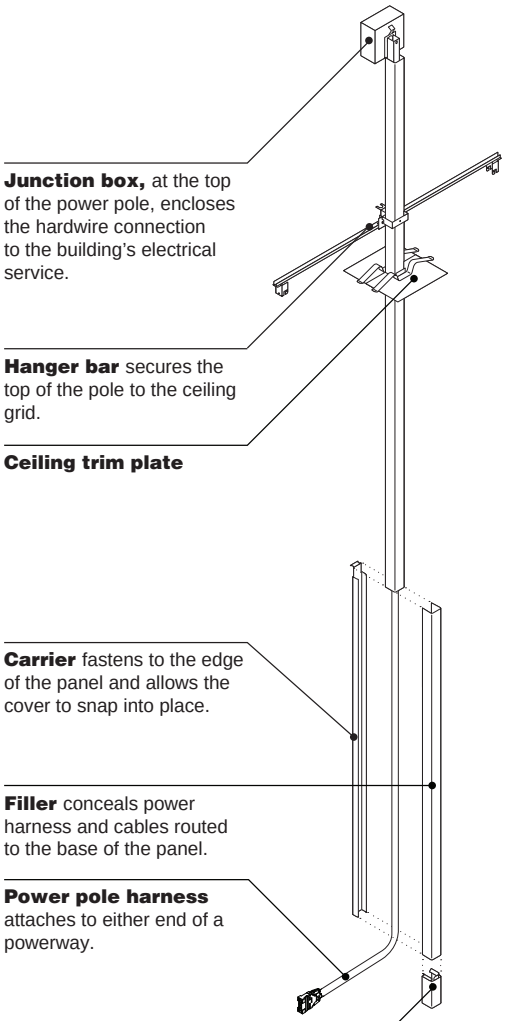
18"W panels cannot be connected to power-ins because these panels only accommodate pass-through powerways.

2" x 2" Power Poles and Cable Poles

Power poles bring building power from the ceiling to the powerways in the base cavity of panels. All five wiring schematics are available. They can also be used to run cables into the top cap or into the panel base cavity.
▶Specifying, page 181

Cable poles provide a space to route cables from the ceiling to the top cap or base cavity of a panel.
▶Specifying, page 182

On June 19, 2023, Avenir power components changed design. Power components manufactured before June 19, 2023 are not compatiable with power components manufactured after June 19, 2023.
▶See *Avenir Power Component Transition Details* on page 136.



Junction box, at the top of the power pole, encloses the hardwire connection to the building's electrical service.

Hanger bar secures the top of the pole to the ceiling grid.

Ceiling trim plate

Carrier fastens to the edge of the panel and allows the cover to snap into place.

Filler conceals power harness and cables routed to the base of the panel.

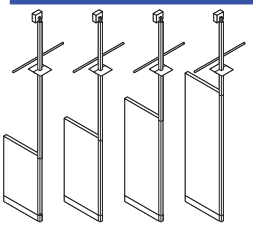
Power pole harness attaches to either end of a powerway.

Base cover matches the base of adjacent panels.

Actual Dimensions

Depth	1½"
Width	1⅝"
Hanger bar length	36"

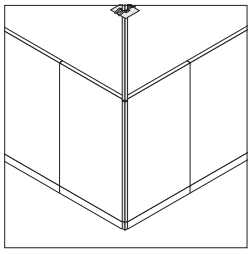
Product Details



Four pole heights are available to correspond to panel heights.

Ceiling heights up to 10'4" can be accommodated.

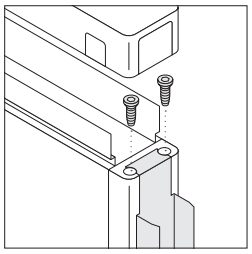
Connections



2" x 2" poles can connect to end-of-run or to an L- or T- configuration. Carrier must always attach to tallest panel. Carrier must attach to center panel in T-configuration.

Height of the pole must correspond with the height of the panel it is attached to so that it will connect under the top cap. Adjacent panels can be lower.

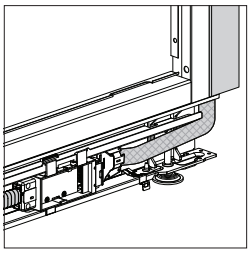
Alignment rod links upper and lower parts of pole to ensure straight connection.



Carrier fastens to the end of a panel with screws that attach below the top cap. Panel remains undamaged so power and cable pole can be removed and relocated later.

Wiring & Cabling

All the components in an electrical distribution network must use the same wiring schematic. Components are color coded and keyed to make it impossible to connect mismatched parts.



The power pole harness attaches to either end of powerway. It does not interfere with a receptacle location.

Six to eight ⅜" diameter cables can be accommodated inside the 2" x 2" power pole or cable pole.

Surface Materials

Upper part of pole
- Paint

Lower part of pole
- Fabric

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

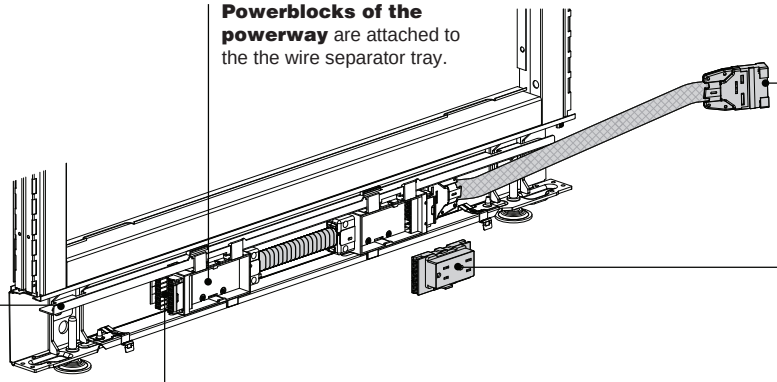
Base
- Paint (must match upper part)

Ceiling trim plate
- White paint only

Powerway

Powerways that are installed in the panel base cavity allow power to be distributed wherever panels go. All five wiring schematics are available.
▶Specifying, page 183

On June 19, 2023, Avenir power components changed design. Power components manufactured before June 19, 2023 are not compatiable with power components manufactured after June 19, 2023.
▶See *Avenir Power Component Transition Details* on page 136.



Powerblocks of the powerway are attached to the the wire separator tray.

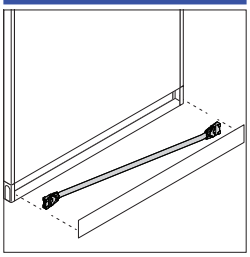
Harness connectors come attached to the powerway and connect the powerway to the powerway in an adjacent panel.

Receptacles snap into powerblock of the powerway.

Wire separator tray supports the powerway and provides some space for cable routing.

Two modular connections on end of powerkit accept modular connectors of adjacent powerkit or power infeeds.

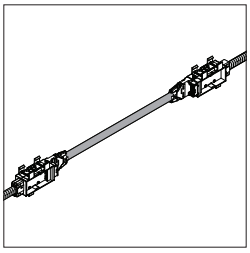
Product Details



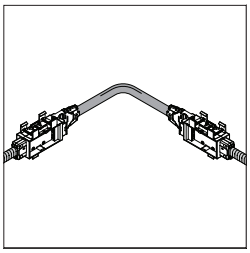
18"W panels support a pass-through powerway which connects powerways of adjacent panels. For a pass-through harness in 18"W panels, see page 133 for directions on which pass-through harness service part to obtain.

18"W panels with pass-through powerways cannot accommodate receptacles or base power-ins. End power-ins and power poles harnesses can connect to the pass-through powerway.

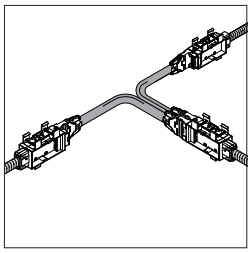
Connections



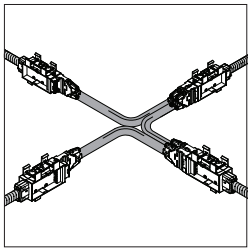
Straight connection is formed when a harness connector from one powerway attaches to the powerblock of the adjacent powerway.



L-connection is formed when a powerway connector harness turns to the left or right and connects to the powerblock of the adjacent panel.

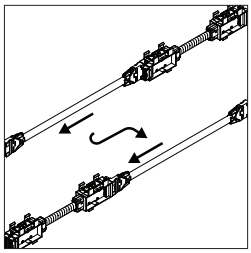


T-connection is formed by two powerway connector harnesses each turning in the same direction.



X-connection is formed by three powerway connector harnesses each turning in the same direction.

The powerway connector harness comes attached to each powerway and can be removed in the field.



Removing the powerway connector harness and adding it to the opposite end of the powerway powerblock can be used to correct planning and installation oversights.

Powerways include a wire separator to separate data and telecommunication cables from the powerway. For panels without power, there is an option to include a factory-installed wire separator to organize cables. Also, a wire separator can be obtained from Service Parts and can be field installed to panels without powerways.

Wiring & Cabling

All the components in an electrical distribution network must use the same wiring schematic. Components are color coded and keyed to make it impossible to connect mismatched parts.

All Steelcase electrical systems are designed in compliance with the National Electrical Code (NEC) and Canadian Electrical Code (CEC) to function as a multi-wire branch circuit. Installations should be made in accordance with the NEC or CEC provisions for multi-wire branch circuits.

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. Consult a qualified electrical contractor or engineer for the proper installation of electrical equipment.

Chicago and San Francisco have special requirements.
▶Pages 143–145

Powerways are concealed when they are properly installed.

Application Topics

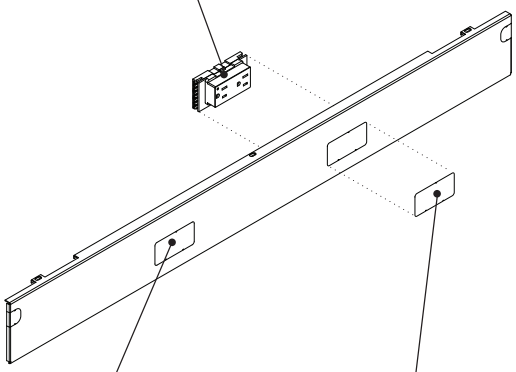
How Connectors Affect Power Flow
▶Page 49

Steps to Plan an Electrical Network
▶Page 141

Base Covers and Receptacles

On June 19, 2023, Avenir power components changed design. Power components manufactured before June 19, 2023 are not compatiable with power components manufactured after June 19, 2023.
▶ See *Avenir Power Component Transition Details* on page 136.

Receptacles are ordered separately and installed in the field in the base cover knockout opening.
▶ Specifying, page 186



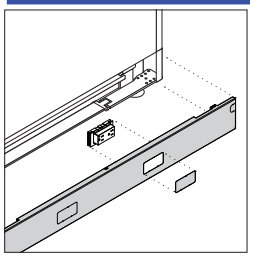
Openings for receptacles are visually unnoticeable until the knockout is removed.

Knockout can be removed in the field to allow receptacle to be installed.
*Tip: Once removed, knockout **cannot be replaced;** a filler plate must be ordered from Service Parts.*

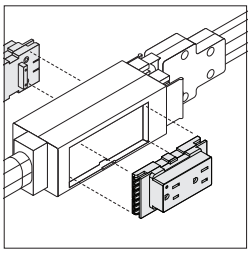
Actual Dimensions

Base cover	
Width	17 3/32", 23 3/32", 29 3/32", 35 3/32", 41 3/32", 47 3/32", or 59 21/64"
Height	3 23/32"
Receptacle opening	
Width	2 3/4"
Height	1 3/8"

Product Details



Base cover is removable to allow access to cavities in panel base. Base cover contains “invisible" knockouts for receptacles.



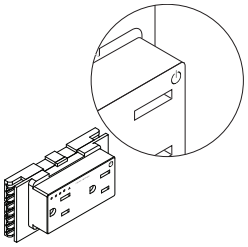
Receptacles snap into the powerblock in the field.

Base cover has receptacle knockouts. Base covers have a receptacle opening on the left and right side of the base cover.
Exception: 24"W base covers have a receptacle opening in the center of the base trim.

Knockouts cannot be accidentally removed by kicking them or striking them with a vacuum cleaner because the pressure to remove the knockout must be applied from the back of the panel. Once removed, knockout cannot be replaced.

Reusable filler plates are available to replace the knockout or to fill the gap that results when you use a standard-size receptacle in an oversize opening. Filler plates are available through Service Parts.

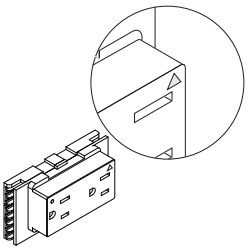
Receptacles are available in 15-amp and 20-amp versions and are designed to link to a specific circuit. Receptacles are duplex, meaning that they have two outlets.



Controlled receptacle must be indicated when tying into the building management system. Duplex receptacles have an option for a factory permanent, pad stamp power icon symbol with the word controlled per compliance with the Energy Code.

Numbers printed on the receptacles indicate the line number. With the 3-circuit, separate neutral system these designations are with letters A, B, or C as compared to 1, 2, 3, or 4 in the other systems.

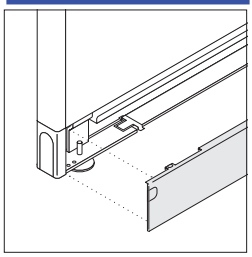
Label on receptacle indicates which circuit the receptacle connects to, so the user can control which devices are on specific circuits.



Orange triangle indicates to users the receptacles that are connected to isolated grounds.The following receptacles have isolated ground circuits.
3 circuit, separate neutrals
Line C
4 circuit, 3+D
Line 4
4 circuit, 3I+1
Line 1
Line 2
Line 3
4 circuit, 2+2
Line 3
Line 4

Steelcase
February 2024

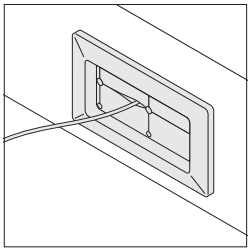
Connections



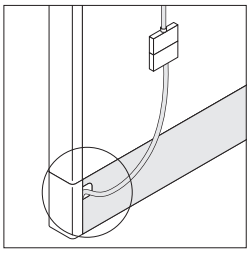
Base covers are attached to panels with concealed clips and are removable.

Wiring & Cabling

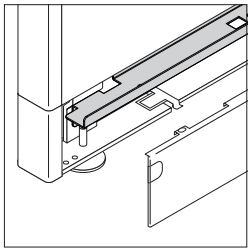
Any circuit can be accessed at any receptacle location by using the appropriate receptacle. All five wiring schematics are available.
Tip: All the components in an electrical distribution network must use the same wiring schematic. Components are color coded and keyed to make it impossible to connect mismatched parts.



Cable grommets can be inserted in duplex-size receptacle openings to route cables from the panel base to the worksurface.



Cable knockouts at each end of every base cover allow cables to pass through.



Powerways include a wire separator to separate data and telecommunication cables from the powerway. For panels without power, there is an option to include a factory-installed wire separator to organize cables. Also, a wire separator can be obtained from Service Parts and can be field installed to panels without powerways.

Surface Materials

Base covers
- Paint (standard)

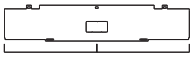
Receptacle
- Plastic

Application Topics

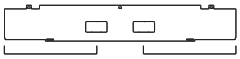
18"W panels accommodate pass-through powerways only, so their base covers do not have receptacle openings.

Receptacle Locations

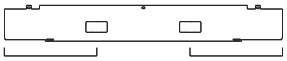
Straight Non-Tackable and Tackable Acoustical Panels



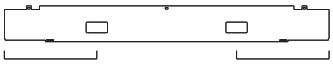
24"W



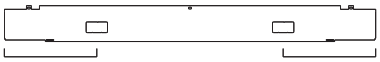
30"W



36"W



42"W



48"W

All panels can be part of a distribution network, but receptacles are available only in the base covers shown below.

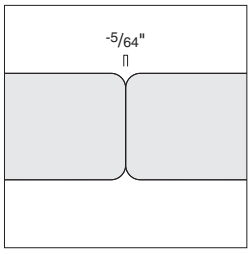
18"W panels accommodate pass-through powerways only, so their base covers do not have receptacle openings.

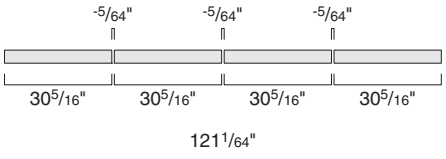
Base covers can be moved to the other side of a panel in the field.

Panel Creep

Small increments are added or deducted to the length of a run of panels because of the different ways that panels are connected to each other. The accumulation of these increments is called panel creep.

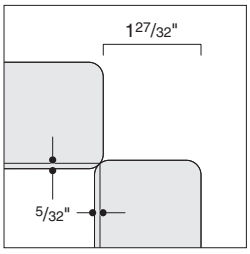
Deduct 5/64" at each panel seam when panels are connected in line.

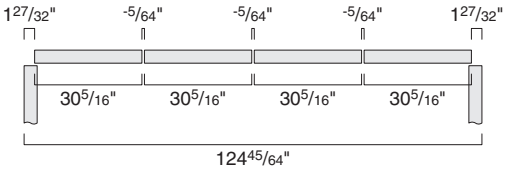




30 5/16" + 30 5/16" + 30 5/16" + 30 5/16" + -5/64" + -5/64" + -5/64"= 121 1/64"

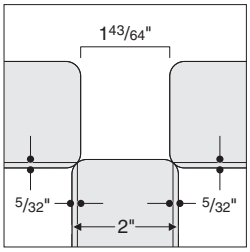
Add 1 27/32" each time a perpendicular panel is joined to the end of a panel run with a universal connector.

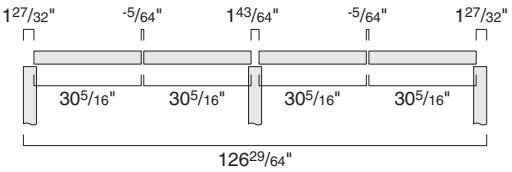




30 5/16" + 30 5/16" + 30 5/16" + 30 5/16" + -5/64" + -5/64" + -5/64" + 1 27/32" + 1 27/32" = 124 45/64"

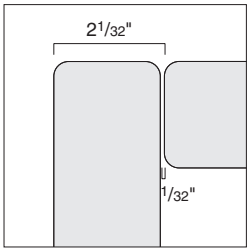
Add 1 43/64" each time a perpendicular panel is inserted into a run of panels with universal connectors.

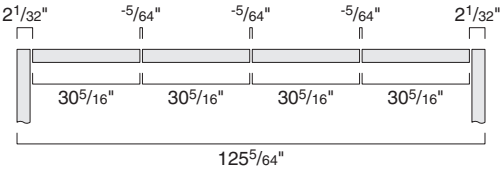




30 5/16" + 30 5/16" + 30 5/16" + 30 5/16" + -5/64" + -5/64" + 1 27/32" + 1 27/32" + 1 43/64" = 126 29/64"

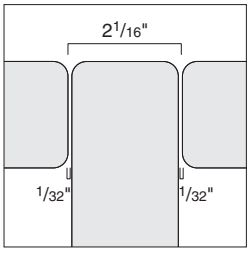
Add 2 1/32" each time a closed-configuration connector is used to join a perpendicular panel at the end of a panel run.

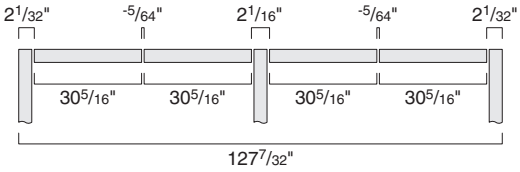




30 5/16" + 30 5/16" + 30 5/16" + 30 5/16" + -5/64" + -5/64" + -5/64" + 2 1/32" + 2 1/32" = 125 5/64"

Add 2 1/16" each time a closed-configuration connector is used to insert a perpendicular panel into a run of panels.



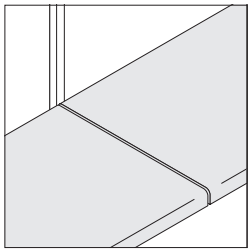


30 5/16" + 30 5/16" + 30 5/16" + 30 5/16" + -5/64" + -5/64" + 2 1/32" + 2 1/32" + 2 1/16" = 127 7/32"

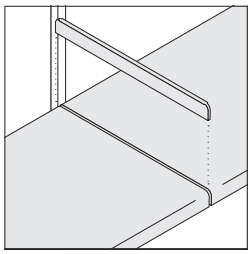
Steelcase
February 2024

How Panel-Supported Components Fit

Dimensions of panels and panel-supported components, such as worksurfaces, shelves, and overhead storage bins, don't match exactly. Panels are slightly larger to allow for the 5/32" overlap of perpendicular panels.
▶ Page 43



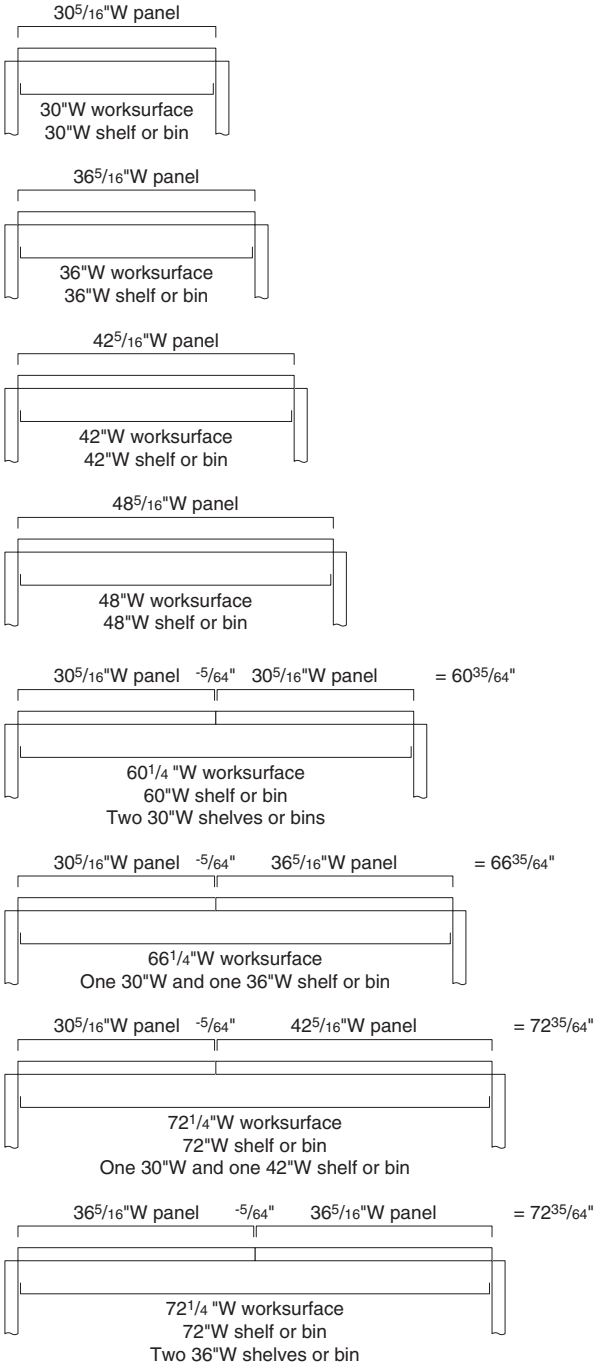
Two smaller worksurfaces can fit in the space of a single large worksurface, but a slight gap will result where the worksurfaces meet. For example, two 30"W worksurfaces can be used in place of a single 60 9/32"W worksurface.



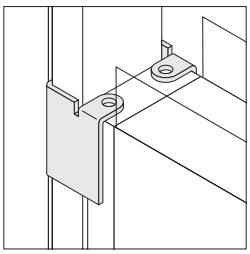
Worksurface fillers can be used to fill in the slight gaps that result in unusual configurations.
Tip: Because of different furniture applications and installation techniques, it is suggested that worksurface fillers be ordered after the worksurface installation.

Corner worksurfaces are never wrapped by panels on both ends, like rectangular worksurfaces. Therefore, they are slightly larger to reduce or eliminate gaps.

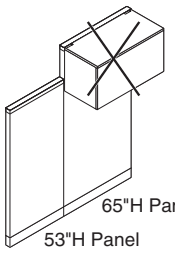
How Furniture Relates to Panel Sizes



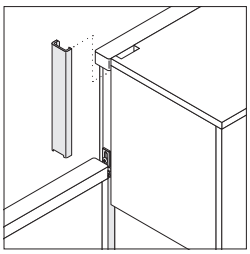
Solutions to Overhead Storage Problems Caused by PAB2 Brackets



PAB2 brackets are used to connect panels of different heights. Because PAB2 brackets occupy a portion of the slotted channel in the taller panel, they prevent overhead storage cabinets and shelves from being attached in some configurations.
▶Page 22



When a PAB2 bracket is used to attach a 53"H or 65"H panel to a taller panel, the slotted channel of the taller panel will be partially blocked and prevent the overhead storage component from being attached to the taller panel.
Tip: Mounting overhead storage components higher or lower than the standard height or mounting them on adjacent panels may be an acceptable solution in some installations.

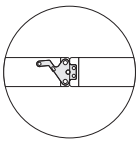


Change-of-height panel connectors can be used instead of PAB2 connectors in many configurations to allow overhead storage components to be attached.
▶Page 27

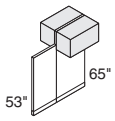
Diagrams below and on the following pages show how to configure change-of-height installations to avoid blocking the slotted channels. Most use one or more change-of-height panel connectors.

The style numbers are shown under the individual drawings. Some installations also require the special connector bracket. The frames and quantities of all the components needed are listed underneath the round detail drawings.

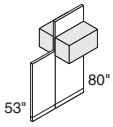
Straight Connections



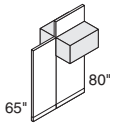
1 Change-of-Height Panel Connector



PC6553



PC8053



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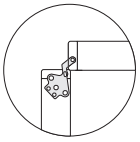
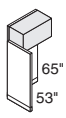
L-Connections



1 Change-of-Height Panel Connector



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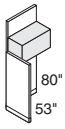

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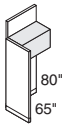

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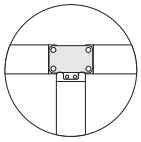
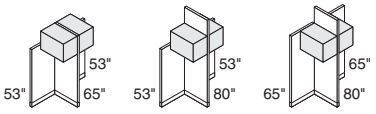
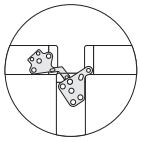
T-Connections

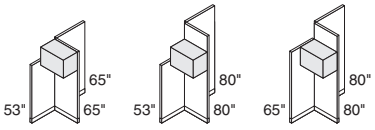




PC6553 **PC8053** **PC8065**

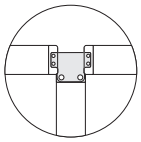
1 Change-of-Height Panel Connector
1 PAB5E Connector Bracket

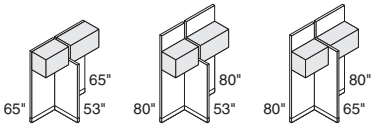




PC6553 **PC8053** **PC8065**

1 Change-of-Height Panel Connector
1 Universal Connector





PC6553 **PC6553**
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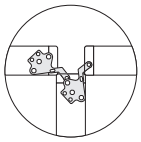
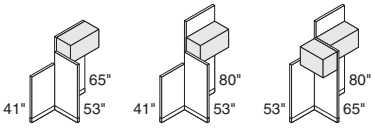
PC8065 **PC8065**

2 Change-of-Height Panel Connectors
1 PAB5F Connector Bracket





PC6553 **PC5341**
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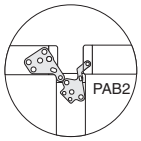
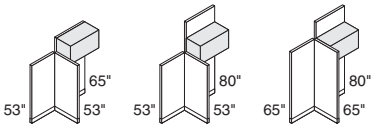
PC6553 **PC8065**

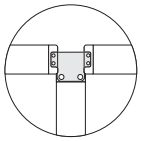
2 Change-of-Height Panel Connectors

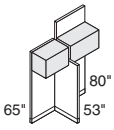




PC6553 **PC8053** **PC8065**

1 Change-of-Height Panel Connector
1 Universal Connector or PAB5G Connector Bracket for fixed-T Connection

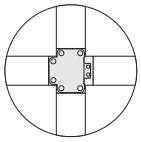


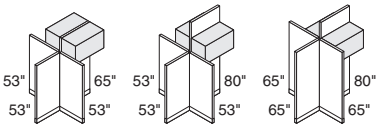


PC6553 **PC8053**

2 Change-of-Height Panel Connectors
1 PAB5F Connector Bracket

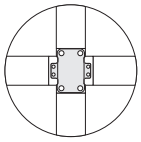
X-Connections

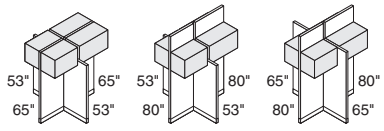




PC6553 **PC8053** **PC8065**

1 Change-of-Height Panel Connector
1 PAB5B Connector Bracket





PC6553 **PC6553**
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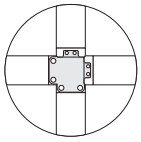
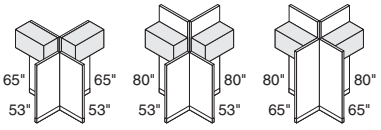
2 Change-of-Height Panel Connectors
1 PAB5D Connector Bracket





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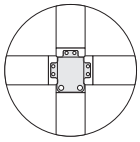
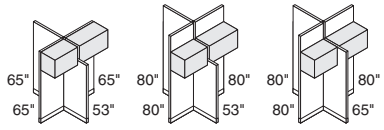
2 Change-of-Height Panel Connectors
1 PAB5C Connector Bracket





PC6553 **PC8053** **PC8065**
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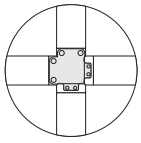
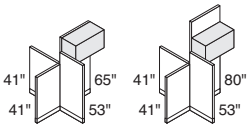
3 Change-of-Height Panel Connectors
1 PAB5A Connector Bracket

Steelcase
February 2024

X-Connections, continued





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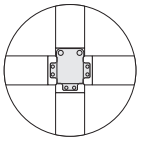
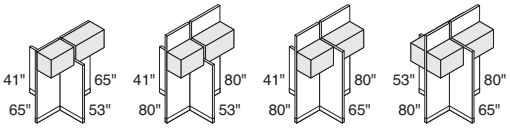
2 Change-of-Height Panel Connectors
1 PAB5C Connector Bracket





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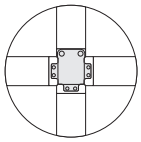
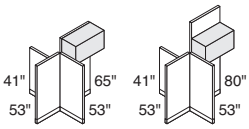
3 Change-of-Height Panel Connectors
1 PAB5A Connector Bracket





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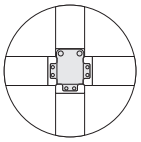
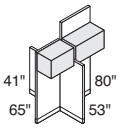
3 Change-of-Height Panel Connectors
1 PAB5A Connector Bracket





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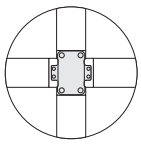
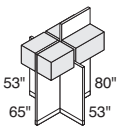
3 Change-of-Height Panel Connectors
1 PAB5A Connector Bracket





PC6553
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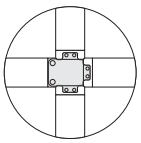
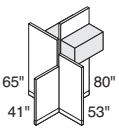
2 Change-of-Height Panel Connectors
1 PAB5D Connector Bracket





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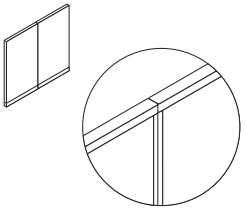
3 Change-of-Height Panel Connectors
1 PAB5A Connector Bracket

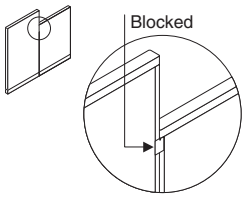
How Connectors Affect Panel-Supported Components

Panel's ability to support components is directly affected by the way panels are connected. Choose a connector that will accommodate your workstation's needs.

Straight Connections

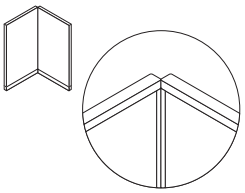


Universal connectors do not interfere with panel-supported components.

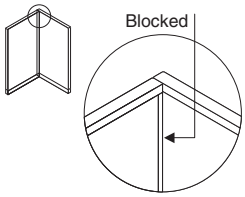


Varying-height connector packages (PAB2) block a portion of the slotted channel on both sides of the taller panel.

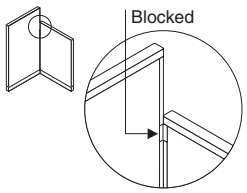
L-Connections



Universal connectors do not interfere with panel-supported components.

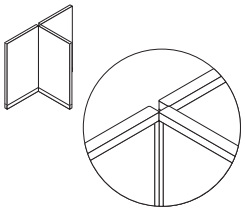


Closed-configuration connector packages (PAB9) block the slotted channel on one side of the perpendicular panel.

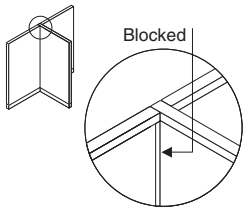


Varying-height connector packages (PAB2) block a portion of the slotted channel on one side of the taller panel.

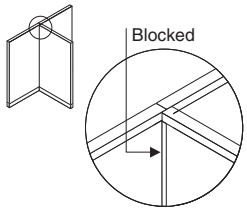
T-Connections



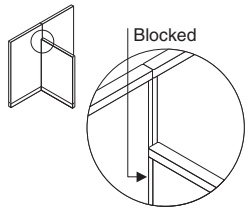
Universal connectors do not interfere with panel-supported components.



Closed-configuration connector packages (PAB9) block the slotted channel on both sides of the perpendicular panel.

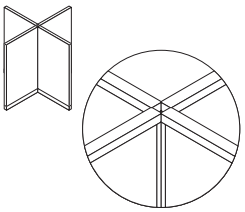


Perpendicular connector packages (PAB4) block the slotted channels of the two in-line panels.

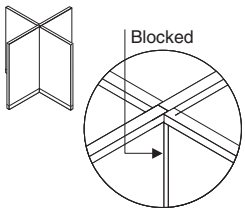


Varying-height perpendicular connector packages (PAB3) block a portion of the slotted channel on one side of each of the taller panels.

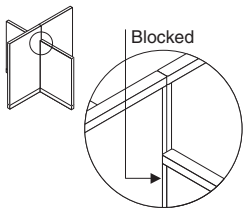
X-Connections



Universal connectors do not interfere with panel-supported components.



Perpendicular connector packages (PAB4) block the slotted channels of the two in-line panels.

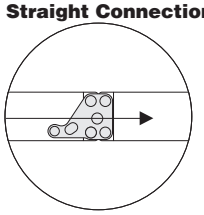


Varying-height perpendicular connector packages (PAB3) block a portion of the slotted channel on each side of each of the taller panels.

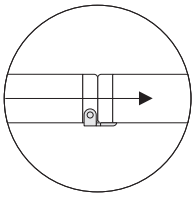
How Connectors Affect Power Flow

Panel connections affect how power flows through panels. Choose a connector that will accommodate your workstation's needs.

Straight Connections

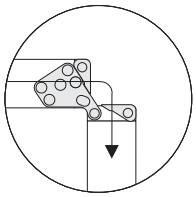


Universal connectors do not interrupt power flow.

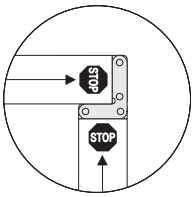


Varying-height connector packages do not interrupt power flow.

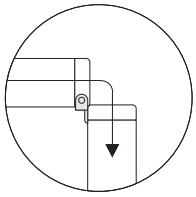
L-Connections



Universal connectors do not interrupt power flow.

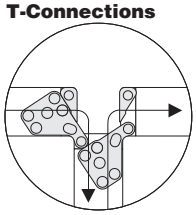


Closed-configuration connector packages do not interrupt power flow if lap joints and shorter base covers are used. They are available upon request.

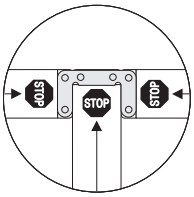


Varying-height connector packages do not interrupt power flow.

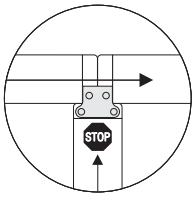
T-Connections



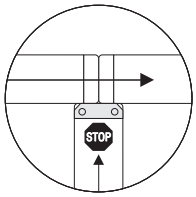
Universal connectors do not interrupt power flow.



Closed-configuration connector packages do not interrupt power flow if lap joints and shorter base covers are used. They are available upon request.

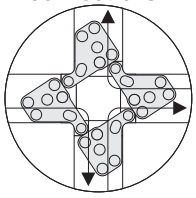


Perpendicular connector packages disrupt power flow in the perpendicular panel.

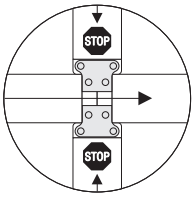


Varying-height perpendicular connector packages disrupt power flow in the perpendicular panel.

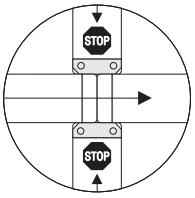
X-Connections



Universal connectors do not interrupt power flow.



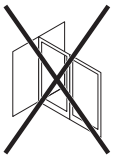
Perpendicular connector packages disrupt power flow in both perpendicular panels.



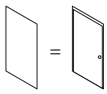
Varying-height perpendicular connector packages disrupt power flow in both perpendicular panels.

Rules for Panel Stability

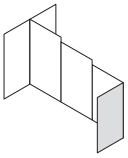
Avenir, when properly installed, is designed to be a very stable furniture system. The guidelines presented here are methods that will help you maximize the performance of workstations using panels alone or panel-supported components. To maximize performance and stability, the installation instructions that accompany each furniture should be strictly observed.



An "X" over a drawing means that this application is not recommended.



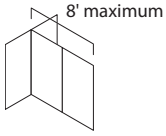
Panel doors and door frames follow the same stability rules as non-tackable and tackable acoustical panels.



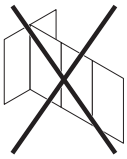
Change of height has no effect on these stability rules.

Rules for Non-Tackable and Tackable Acoustical Panels

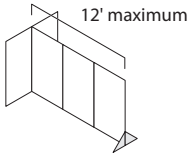
Two-Panel Runs



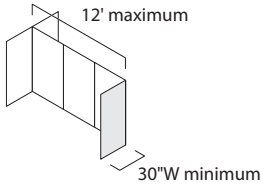
Three-Panel Runs



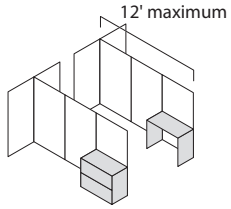
Unstable. Requires additional support at end of panel run.



Stabilizer feet provide stability at end of panel run.

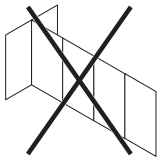


Perpendicular panel provides stability at end of panel run.

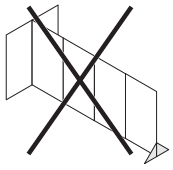


Furniture provides stability at end of panel run.

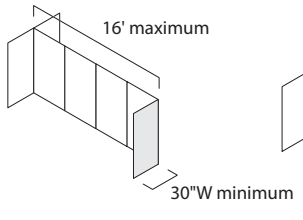
Four-Panel Runs



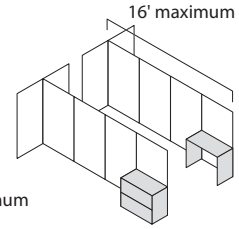
Unstable. Requires additional support at end of panel run.



Unstable. Requires a perpendicular panel or furniture as support at end of panel run.

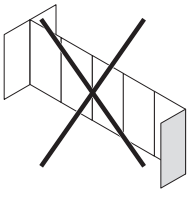


Perpendicular panel provides stability at end of panel run.



Furniture provides stability at end of panel run.

Five-Panel Runs

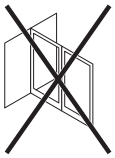


Unstable. Requires additional support.

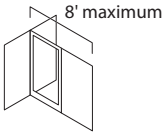
Steelcase
February 2024

Rules for Transparent Panels

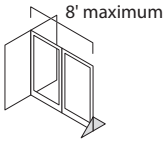
Two-Panel Runs



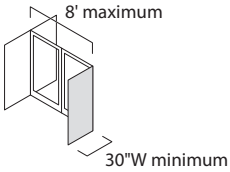
Two transparent panels require additional support.



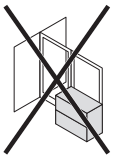
Two panels are stable if transparent panel is not at end of run.



Stabilizer feet provide stability at end of panel run.

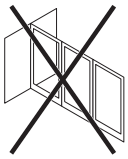


Perpendicular panel provides stability at end of panel run.

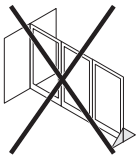


Furniture used in front of transparent panels adds stability but blocks the view.

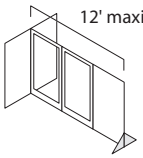
Three-Panel Runs



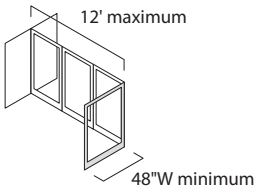
Unstable. Requires additional support at end of panel run.



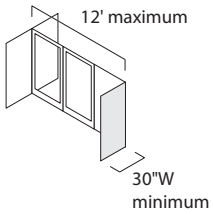
Unstable. Requires a perpendicular panel or furniture as support at end of panel run.



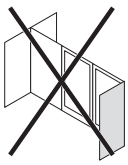
Stabilizer feet provide stability if last panel is not a transparent panel.



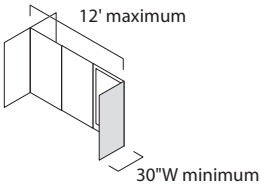
Straight transparent perpendicular panel provides stability at end of a three-panel run of straight transparent panels.



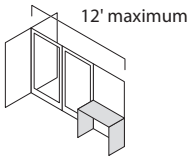
Tackable acoustical panel provides stability if two transparent panels are not at the end of a run.



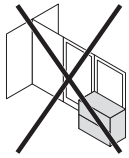
Unstable. Two transparent panels require additional support if they're at the end of a three-panel run.



Tackable acoustical panel provides stability if only one transparent panel is at the end of a run.

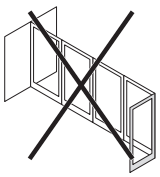


Furniture provides stability if transparent panel is not at the end of a run.

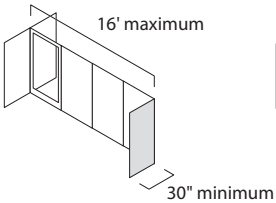


Furniture used in front of transparent panels adds stability but blocks the view.

Four-Panel Runs

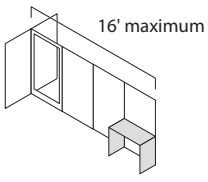


Unstable. Transparent panels do not provide stability as a complete panel run.



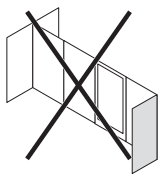
Perpendicular panel provides stability at end of panel run.

Straight transparent panels can only be used in the first and second positions.

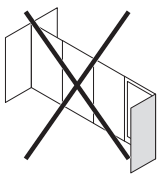


Furniture provides stability at end of panel run.

Straight transparent panels can only be used in the first and second positions.



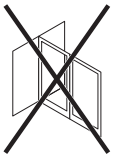
Unstable. Transparent panel requires additional support at the end of a run.



Unstable. Transparent panel requires additional support at the end of a run.

Rules for Panel Stacker Stability

Avenir, when properly installed, is designed to be a very stable furniture system. The guidelines presented here are methods that will help you maximize the performance of workstations using panels alone or panel-supported components. To maximize performance and stability, the installation instructions that accompany each furniture should be strictly observed.



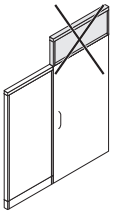
An "X" over a drawing means that this application is not recommended.

In general, the rules for panel stackers apply the same as if the stacker and base panel were one panel (See Rules for Panel Stability).

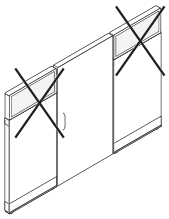
Maximum height. Stackers are not designed to go from floor to ceiling. Consult local building codes when stacking above standard panel heights, especially above 72"H.

Rules for Glass and Fabric Panel Stackers

Doors

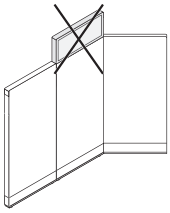


Unstable. Stackers do not mount above Avenir panel frames with doors.

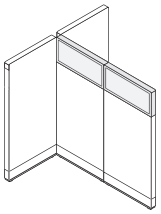


Unstable. Door cannot be connected to a panel with a stacker.

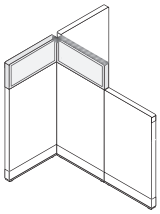
Freestanding Applications



Unstable. Requires a connection to a perpendicular return stacker or panel for rigidity.

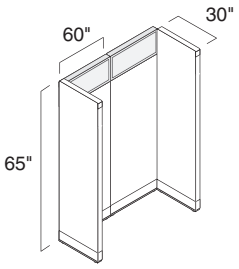


Perpendicular panel provides rigidity at end of stacker run.



Perpendicular panel provides rigidity at end of stacker run.

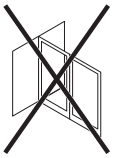
60"W Stacker Panels



For stackers on panels, minimum of 30"W same height return panels are required.

Rules for Panel Stability with Components*

Maximum panel stability is always achieved when loads are counterbalanced by similar loads on the opposite side of the panels. The recommendations shown here apply to non-tackable. Components cannot be supported by straight transparent panels.

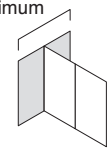


An "X" over a drawing means that this application is not recommended.

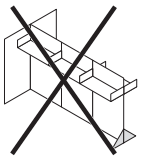
**Panel components include storage bins, shelves, worksurfaces, and worksurface-supported pedestals.*

Methods for Stabilizing Panels

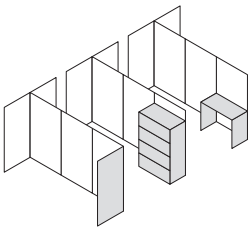
60" minimum



Connect to a wall or a perpendicular run of panels at least 60"W.



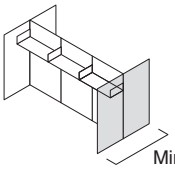
Stabilizer feet should not be used when panels have panel-supported components.



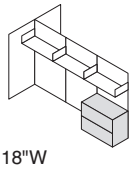
Connect to perpendicular panels or a worksurface with at least one end panel or clear-access end panel.

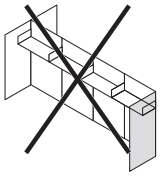
Rules for Panel Stability

Panel runs with one panel-supported component per panel require stability every three panels.

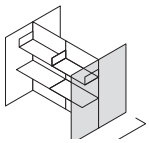


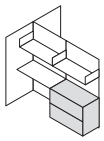
Minimum two 18"W panel run-offs

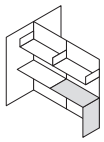




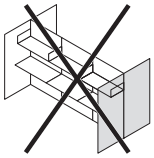
Panel runs with two panel-supported components per panel require stability every two panels.



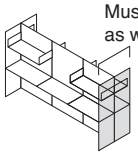


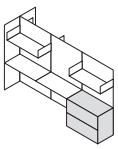


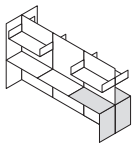
Panel runs with two panel-supported components per panel can be extended for three panels, if the center panels only support one component and all loads are counterbalanced.



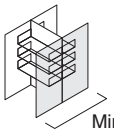
Must be same width as worksurface







Fully loaded panels must be counterbalanced. In addition, panel run-offs are required at both ends of the panel.



Minimum two 18"W panel run-offs

Tip: For widths up to 4', a maximum of five shelves or four storage bins per side is allowed.
Tip: For 5' widths, a maximum of four shelves or three storage bins per side is allowed.
Tip: Loading the top of one storage bin per side is allowed.

Understanding Avenir Worksurfaces

Statement of Line 56

Product Details

Curvilinear Worksurfaces

Rules for Using Curvilinear Worksurfaces with Avenir Panels 58

Directional Laminate Grain Directions for Avenir Curvilinear 59

Corner Worksurfaces 60

Worksurface Supports 62

Related Products

Worksurface Accessories 70

Grommets 72

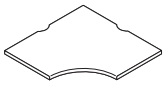
Grommet Locations 73

Center Drawer Fit and Grommet Obstruction 76

Worksurface Wiring and Cabling 77

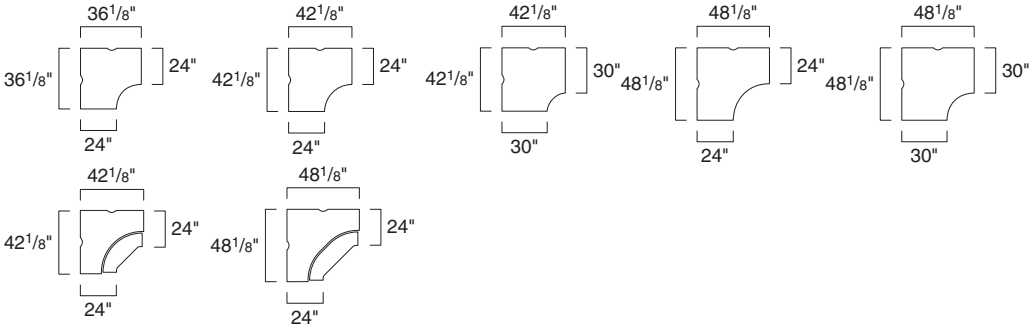
Statement of Line

Worksurfaces

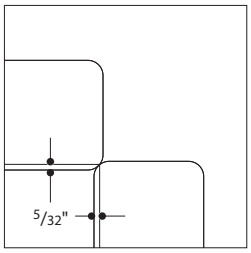


Understanding
▶ Page 60
Specifying
▶ Page 190

Corner Curvilinear Worksurfaces



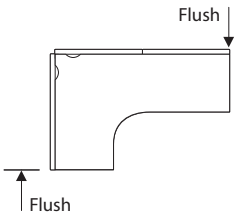
Rules for Using Curvilinear Worksurfaces with Avenir Panels



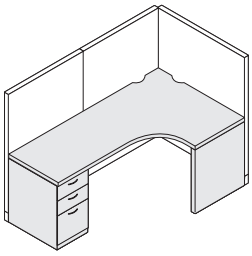
Perpendicular panels intrude slightly into the neighboring space. Curvilinear worksurfaces, and the straight and transitional worksurfaces that are used with them, are special sizes to align with panel dimensions in typical applications.

Directional laminates

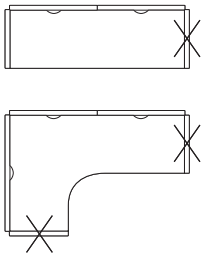
▶ For grain direction, see page 59.
▶ For laminate availability, see page 250.
▶ For plastic edge color default, see pages 255-256.



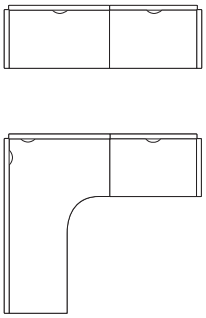
Corner worksurfaces fit flush with panels.



The ends of the worksurface that are not panel wrapped can be supported by an end panel or a pedestal with filler.



Any individual worksurface can be wrapped on one side only. To wrap both sides, replace the single worksurface with two smaller ones, or use a conventional Avenir worksurface.

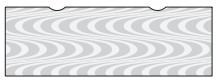


Panel wrapping any two worksurfaces in-line is possible because the worksurfaces are sized to account for the exact amount of panel creep occurs.

Directional Laminate Grain Directions for Avenir Curvilinear

For Straight, Transition, Corner, and Visitor Worksurfaces

Directional laminates are standard with the grain directions shown.



Straight Worksurface

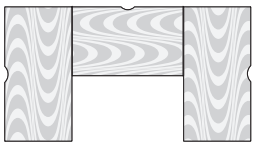
Transition Worksurface

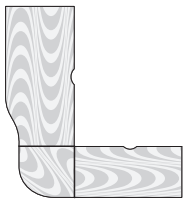
Straight Corner Worksurface

Visitor Worksurface

Make a sketch of the grain direction on adjacent worksurfaces to be sure they are suitable for your installation.

Examples:

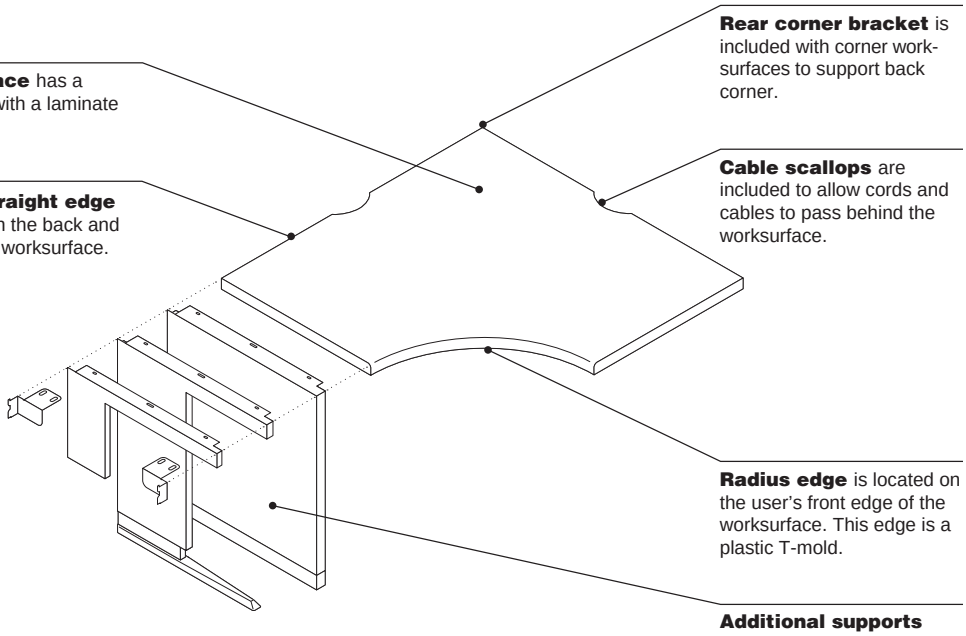




Corner Worksurfaces

1½"-Thick

Curvilinear worksurfaces are available to allow a broader range of workstation layouts with Avenir.
▶ Specifying, pages 190 and 191-195



Worksurface has a wood core with a laminate surface.

Plastic straight edge is located on the back and sides of the worksurface.

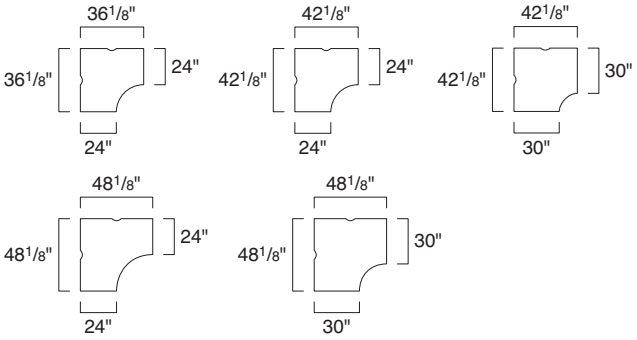
Rear corner bracket is included with corner worksurfaces to support back corner.

Cable scallops are included to allow cords and cables to pass behind the worksurface.

Radius edge is located on the user's front edge of the worksurface. This edge is a plastic T-mold.

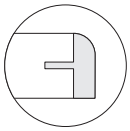
Additional supports are available and must be ordered separately.

Actual Dimensions



Product Details

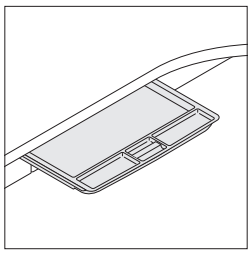
1½"-thick straight Avenir worksurfaces with radius edge can be used with curvilinear worksurfaces. Fit between worksurfaces will not be snug.
Tip: Avenir non-curvilinear worksurfaces have a laminate edge and curvilinear worksurfaces have a T-mold edge.



User's edge(s) of the worksurface are finished with a plastic T-mold radius edge detail that can be specified to match or contrast with the laminate worksurface. Color of these edges must be specified separately, unlike the edges of other Avenir worksurfaces which are defaults determined by the laminate color that you select.
▶ See page 255 for a list of suggested plastic T-mold edge colors.

Plastic edge finishes the sides and back of worksurfaces. The color of these edges are determined by the laminate color you select.
▶ See page 255 for a list of default plastic edge colors.

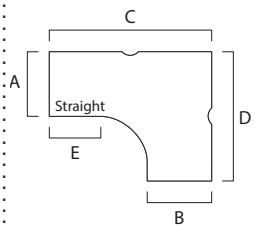
Articulated keyboard shelf can be installed beneath curvilinear worksurfaces.



Field-installed center drawer can be installed beneath curvilinear worksurfaces wherever space permits—requires 19½"D x 21"W.

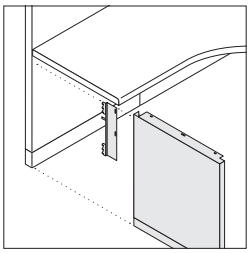
Connections

Straight segment of extended corner worksurface varies depending on worksurface size. Refer to the following chart to determine if one or more pedestals will fit. When straight segment is 15"W, it can accommodate a pedestal without the curved portions of the user's edge of the worksurface overhanging the pedestal. 30"W straight segment will accommodate two pedestals side by side.

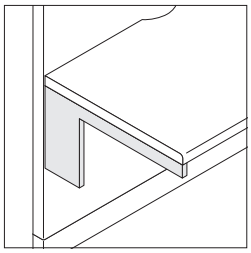


A	B	C	D	E
24"	24"	60"	48"	18 29/64"
30"	30"	60"	48"	12 29/64"
24"	30"	60"	48"	12 29/64"
30"	24"	60"	48"	18 29/64"
24"	24"	72"	48"	30 29/64"
30"	30"	72"	48"	24 29/64"
24"	30"	72"	48"	24 29/64"
30"	24"	72"	48"	30 29/64"

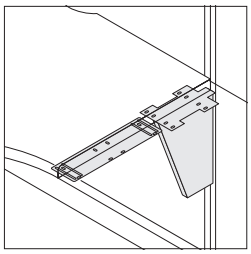
Tip: Illustration and dimensions show left-hand unit. Right-hand units have the same dimensions.



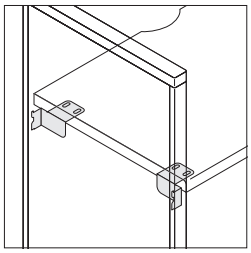
End panel connects to a panel and supports either a left- or right-hand end of a worksurface at 28½"H.



Cantilever connects to a panel and supports the end of a worksurface. You must order either the left- or right-hand version. Triangular-shaped cantilever can also be used to support curvilinear worksurfaces.



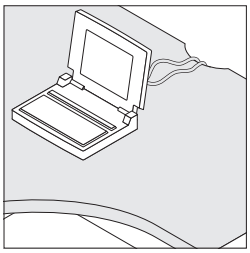
Shared cantilever connects to a panel and supports two adjacent worksurfaces. Triangular-shaped shared cantilever can also be used to support curvilinear worksurfaces.



Side-support brackets can be used to support the ends of worksurfaces when they are wrapped by panels with a width dimension that matches the Worksurfaces depth. Side-support brackets are shipped in pairs.
▶ See *Rules for Using Curvilinear Worksurfaces with Avenir Panels.* page 58

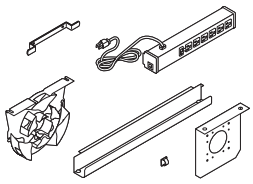
Center support is included and must be used to provide additional support for worksurfaces wider than 60".

Wiring & Cabling



Cable scallops are included in the back edges of these worksurfaces to provide space for plugs to pass over the back edge of the worksurface.

Worksurfaces are installed with a 3/16" gap separating the back of the worksurface from the supporting panels. This small space permits cord movement. Worksurface supports have stop tabs to ensure proper installation.



Cable management devices are available to help manage conventional and fiber-optic cables beneath the worksurface.

Surface Materials

Directional laminates and wood veneer are not available on curvilinear worksurfaces.

Worksurface
- Laminate (standard)

▶ See *Surface Materials Reference Manual.*
- Open Line laminate (option) A program including non-Steelcase laminates that are suitable for use on Steelcase products.

▶ See *Surface Materials Reference Manual.*

User's edge(s)
- Plastic T-mold

Tip: The color of these edges must be specified separately.
▶ See page 255 for a list of suggested plastic T-mold edge colors.

Back and side edges
- Plastic default

▶ See page 255 for a list of default plastic edge colors.

Pedestals
- Paint

End panel
- Paint

Cantilever and shared cantilever
- Paint

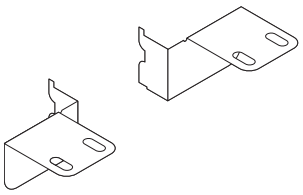
Side-support brackets and corner brackets
- Paint

Shipping

Palletizing streamlines unloading and staging of worksurfaces. Identical worksurfaces ordered on the same line item are packed on pallets containing 5-50 worksurfaces depending on worksurface size. Remaining worksurfaces are packed individually in cartons. If palletizing is not desired, order in quantities of four or less per line item. For maximum unload efficiency, utilize pallet handling equipment at job site whenever possible. Wood worksurfaces cannot be palletized.

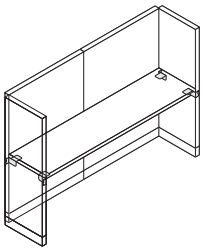
Worksurface Supports

Side Support



▶Specifying, page 191

Product Details



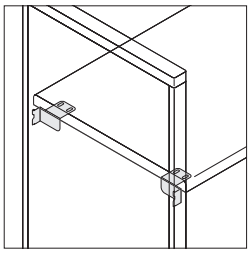
Side supports hold up a straight worksurface that is the same dimension as the panel it is linked to.

Panel width must equal the worksurface depth.

Side supports are ordered separately.

Connections

Side supports can be used to support Avenir worksurfaces.



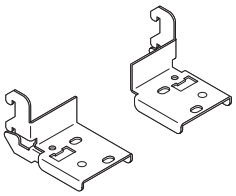
Side supports hook into the panel at any height and fasten to the worksurface with screws.

One pair of side supports is used to support the front and the back of the worksurface on the same end. You can use an alternative support at the other end of the worksurface.

Surface Materials

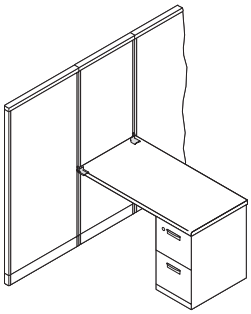
Side support
- Grey V2 paint only

Locking Side Support



▶Specifying, page 191

Product Details

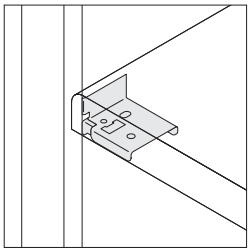


Locking side supports attach the worksurface to a panel when the worksurface is not panel wrapped and is supported by a pedestal on the opposite end.

Locking side supports are ordered separately.

Connections

Locking side supports can be used to support Avenir worksurfaces.

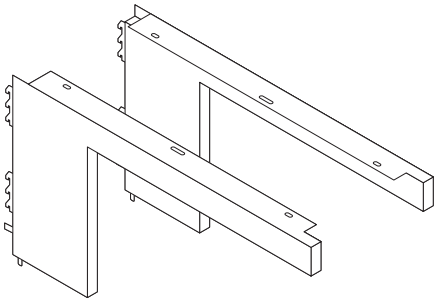


Locking side support hooks into a panel and fastens to the worksurface with screws.

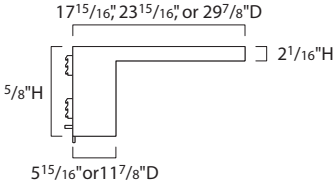
Surface Materials

Locking side support
- Black paint only

L-Shaped Cantilevers



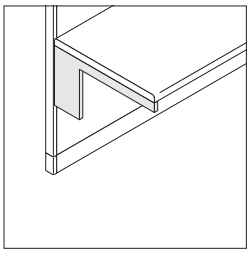
▶Specifying, page 192



Actual Dimensions

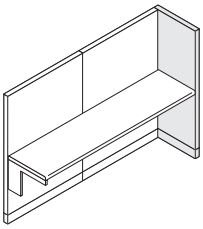
Depth	17 15/16", 23 15/16", or 29 7/8"
Width (thickness)	3/4"
Height	12 5/8"

Product Details



Cantilevers support worksurfaces and leave the floor unobstructed.

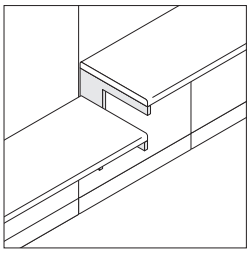
Cantilevers are ordered separately.



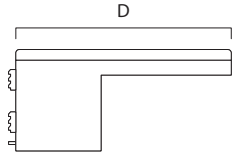
Return panel must be the same width as the worksurface depth. Side supports must be used.

Connections

Cantilevers can be used to support Avenir worksurfaces.

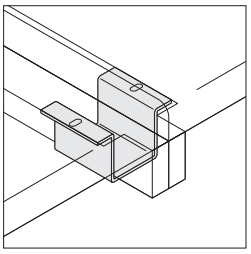


Cantilever hooks into a panel at any height and fastens to the worksurface with screws.

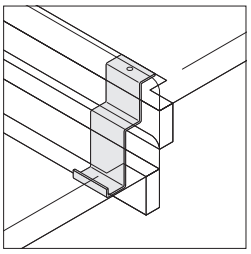


Cantilever depth must correspond with the depth of the worksurface.

Spring-activated safety catch automatically locks the worksurface supports onto the panel to secure the worksurface.



Cantilever-to-cantilever clamp is used to align side-by-side worksurfaces of the same height that are supported by a pair of cantilevers.



Change-of-height cantilever-to-cantilever clamp aligns worksurfaces at different heights that are supported by cantilevers. Change of height is three inches.

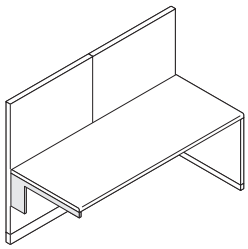
Surface Materials

Cantilever
- Paint

Cantilever-to-cantilever clamp
- Black paint only

Application Topics

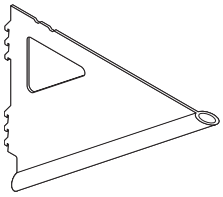
Alternative worksurface supports can be used at the opposite end of the worksurface.



30"D worksurfaces cannot be supported by two cantilevers. Support one end with side support, end panel, clear-access end panel, or a pedestal to achieve adequate stability.

Corner Worksurfaces
▶Page 60

Triangular-Shaped Cantilevers

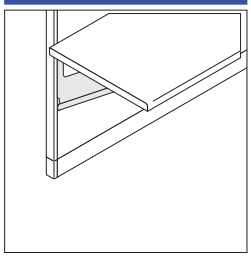


▶Specifying, page 192

Actual Dimensions

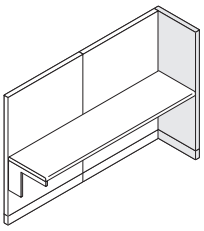
Depth	16"
Width (thickness)	1"
Height	12"

Product Details



Cantilevers support worksurfaces and leave the floor unobstructed.

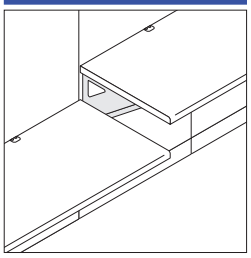
Cantilevers can be used on all Avenir worksurfaces. They must be ordered separately.



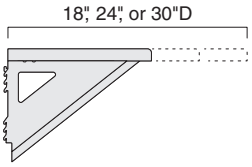
Return panel must be the same width as the worksurface depth. Side supports must be used.

All cantilevers are ordered separately.

Connections



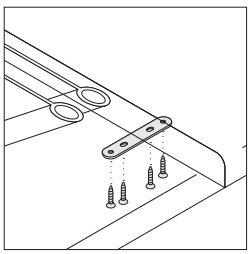
Cantilever hooks into a panel at any height and fastens to the worksurface with screws.



Cantilever can be used on 18"D, 24"D, and 30"D worksurfaces.

Safety catch locks the worksurface supports onto the panel to secure the worksurface.

Non-handed so it can accommodate left- and right-hand applications.



Tie plate is used to align side-by-side worksurfaces of the same height that are supported by a pair of cantilevers.

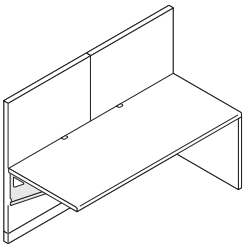
Surface Materials

Cantilever
- Paint

Tie plate
- Grotto paint only

Application Topics

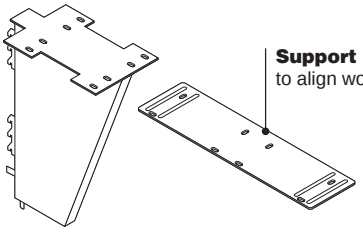
Alternative worksurface supports can be used at the opposite end of the worksurface.



30"D worksurfaces cannot be supported by two cantilevers. Support one end with side support, end panel, clear-access end panel, or a pedestal to achieve adequate stability.

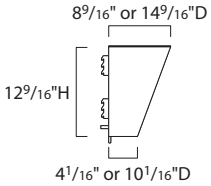
Corner Worksurfaces
▶Page 60

L-Shaped Shared Cantilevers



Support plate is included to align worksurfaces.

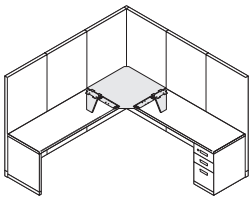
▶Specifying, page 193



Actual Dimensions

Depth	8 9/16" or 14 9/16"
Height	12 9/16"
Support plate	14"D x 3 11/16"W

Product Details



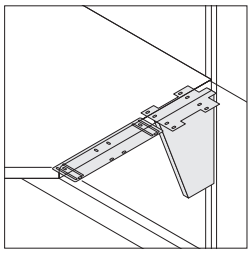
Shared cantilevers support adjacent worksurfaces at the same height.

Two versions of the shared cantilever are available for 24"D and 30"D worksurfaces.

Shared cantilevers are ordered separately.

Connections

Shared cantilever can be used to support other Avenir worksurfaces.



Shared cantilever hooks into a panel at any height and fastens to the worksurface with screws.

Spring-activated safety catch automatically locks the worksurface supports onto the panel to secure the worksurface.

Surface Materials

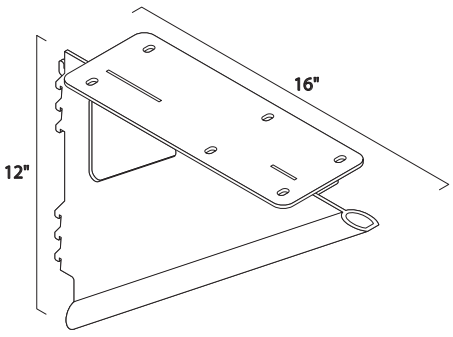
Shared cantilever
- Paint

Support plate
- Black paint only

Application Topics

Corner Worksurfaces
▶Page 60

Triangular-Shaped Shared Cantilever

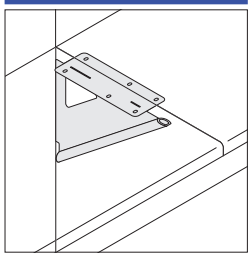


▶Specifying, page 193

Actual Dimensions

Depth	16"
Height	12"
Top plate depth	11 3/4"
Top plate width	4 1/2"

Product Details



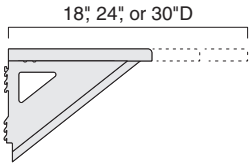
Cantilevers support two adjacent worksurfaces and leave the floor unobstructed.

Cantilevers can be used on all Avenir worksurfaces and curvilinear worksurfaces.

Connections

Cantilever hooks into a panel at any height and fastens to the worksurfaces with screws.

Alignment plate is included to join adjacent worksurfaces at the same level.



Cantilever can be used on 18"D, 24"D, and 30"D worksurfaces.

Worksurface supports lock onto the panel to secure the worksurface.

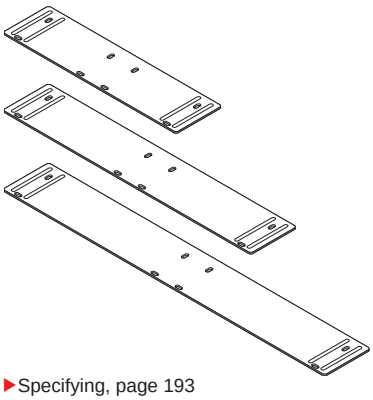
Surface Materials

Shared cantilever
- Paint

Alignment plate
- Grotto paint only

▶**Worksurface Supports,** continued **65**

Support Plates

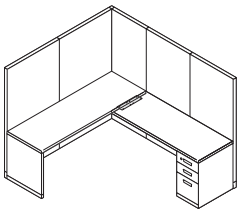


▶Specifying, page 193

Actual Dimensions

Depth	14", 20", or 25 15/16"
Width	3 11/16"

Product Details



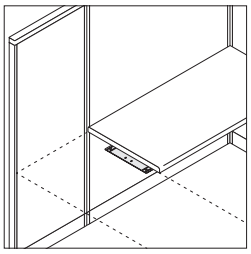
Support plate joins worksurfaces at the same height and allows adjacent worksurfaces to provide support at a 90° angle.

Three support plate sizes are available to correspond with the three worksurface depths. Each plate is 4" less deep than the worksurface depth: 14"D on an 18"D worksurface, 20"D on a 24"D worksurface, and 25 15/16"D on a 30"D worksurface.

Support plates are ordered separately.

Connections

Support plates can be used to support 1½"-thick worksurfaces.



Support plate attaches to adjacent worksurface with screws.

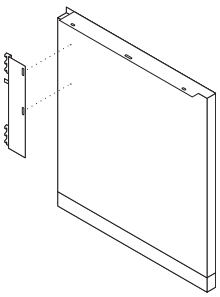
Surface Materials

Support plate
- Black paint only

Application Topics

Adjacent worksurface must be supported at both ends.

End Panels with Base

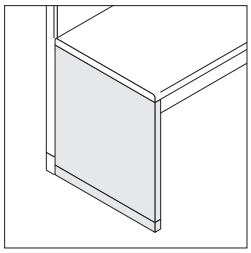


▶Specifying, page 194

Actual Dimensions

Depth	18", 24", or 30"
Width (thickness)	1 5/16"
Height	27"
Leveling glide range	1"

Product Details

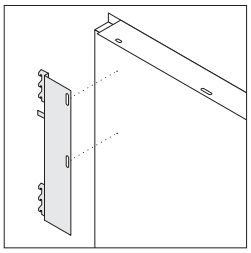


End panels support 1½"-thick worksurfaces at an overall height of 28½".

End panels are ordered separately.

Connections

End panels can be used to support 1½"-thick worksurfaces.



Panel-attachment hardware is fastened to the end panel in the field to accommodate left- or right-hand applications. They are not freestanding units.

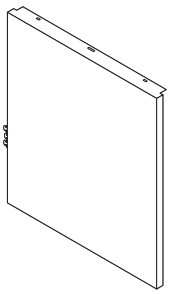
End panel hooks into the panel and fastens to the worksurface with screws.

Surface Materials

End panel
- Paint

Leveling glides
- Black only

End Panels without Base

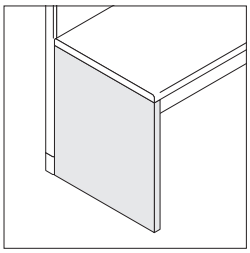


▶Specifying, page 194

Actual Dimensions

Depth	24" or 30"
Width (thickness)	1"
Height	27"
Leveling glide range	1"

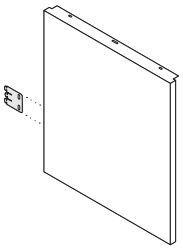
Product Details



End panels without base support 1½"-thick worksurfaces at an overall height of 28½".

End panels are ordered separately.

Connections



Panel-attachment hardware is fastened to the end panel in the field to accommodate either left- or right-hand applications, but should not be used to support both. They are not freestanding units.

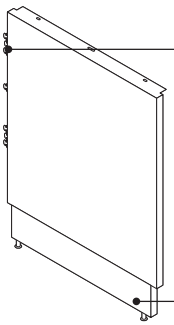
End panel hooks into the panel and fastens to the worksurface with screws.

Surface Materials

End panel
- Paint

Leveling glides
- Black only

Floor-Support End Panels



Attachment hardware engages slotted channel in panel seam.

Adjustable-height base accommodates worksurface heights from 25"H to 28¾"H.

▶Specifying, page 195

Actual Dimensions

Depth	24" or 30"
Width (thickness)	1 5/16"
Height	25" to 28¾"
Leveling glide range	¼"

Product Details

Left- and right-hand versions of the floor-support end panels are available.

Depth of floor-support end panel corresponds to either 24"D or 30"D worksurfaces.

Surface Materials

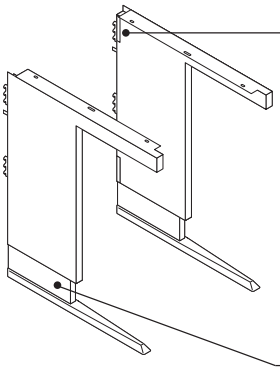
End panel
- Paint

Leveling glides
- Black only

▶**Worksurface Supports,** continued **67**

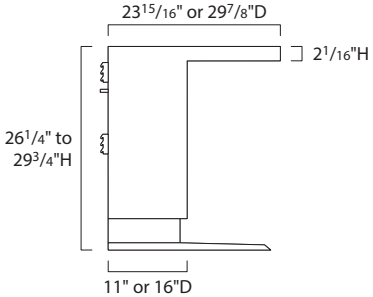
Clear-Access End Panels

Right- and left-hand versions of the clear-access end panel are available.
▶Specifying, page 196



Attachment hardware engages slotted channel in panel seam.

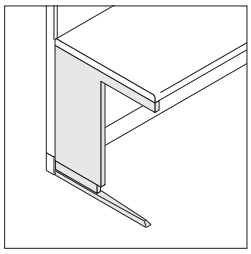
Adjustable-height base accommodates worksurface heights from 26¼" to 29¾".



Actual Dimensions

Depth	24" or 30"
Width (thickness)	1 5/16"
Height	26¼" to 29¾"
Leveling glide range	¼"

Product Details



Clear–access end panel supports a worksurface and provides kneespace.

Clear-access end panels provide more support and stability than cantilevers, but still allow users to swivel their chairs without running into the worksurface supports.

Clear-access end panels are ordered separately.

Connections

Clear-access end panels can be used to support 1½"-thick worksurfaces.

Clear-access end panels hook into the panel and fasten to the worksurface with screws. They are not freestanding units.

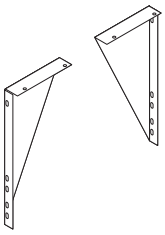
Spring-activated safety catch automatically locks the worksurface supports onto the panel to secure the worksurface.

Surface Materials

Clear-access end panel
- Paint

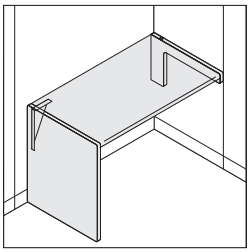
Leveling glides
- Black only

End Panel Stabilizer Bracket



▶Specifying, page 198

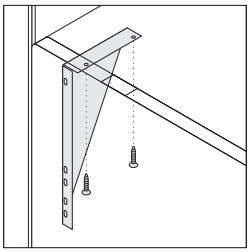
Application



Use to stabilize the 90° connection between the end panel and the worksurface when the end panel doesn't meet a panel seam.

End panel stabilizer bracket is available in left- and right-hand versions.

Connections



Connects with screws to the underside of the worksurface and the inside of the end panel.

Surface Materials

Bracket

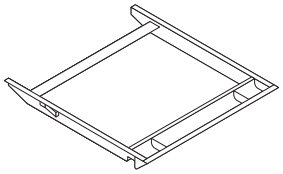
- Black paint only

Specifying

Must be ordered separately.

Worksurface Accessories

Metal Center Drawers



▶Specifying, page 199

Actual Dimensions

Depth	18⅛" or 23"
Inside depth	14½" or 19½"
Width	21½"
Inside width	19½"
Height	2⅜"
Inside height	2"

Product Details

Metal center drawer provides convenient personal storage beneath the worksurface.

Tray for pencils and paper clips is included.

Locks are not available on center drawers. For secure storage, use pedestals and other lower storage with locks.

Connections

Fits on all 24"D and 30"D panel-supported worksurfaces and 24"D, 30"D, and 36"D desks.
Tip: 24"D desk can only use the 18⅛"D center drawer.

Installation is in the field.

Drawer frame and attaching hardware are included for field installation.

Wiring & Cabling

Grommets cannot be used over center drawers.
▶Page 72

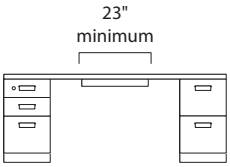
Surface Materials

Center drawer
- Paint

Tip: Drawer will match the color of the supports. If you want a complementary color, you should order the drawer separately for field installation.

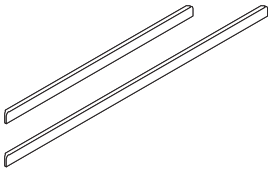
Application Topics

Drawer should be placed approximately 4" from the left or right end to allow for the attachment of cantilevers or end panels.



Kneespace clearance needed is 23"W.

Worksurface Fillers

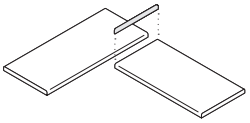


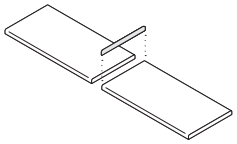
▶Specifying, page 189

Actual Dimensions

Depth	24" or 30"
Width	5/16"
Height	1½"

Product Details

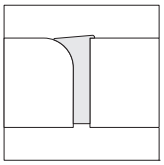




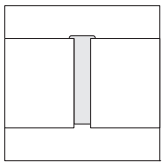
Worksurface fillers are used to fill in the slight gaps that may result when worksurfaces are connected in perpendicular or straight-line applications.

Connections

Worksurface fillers are available for use with 1½"-thick worksurfaces.



Perpendicular configurations require a worksurface filler that conforms to a radius worksurface edge on one side and a straight worksurface edge on the other side.



Straight-line configurations require a worksurface filler that accommodates straight worksurface edges on both sides.

Worksurface filler sizes are available to correspond with worksurface depths.

Surface Materials

Worksurface filler, 1½"-thick

- Plastic

▶Page 252

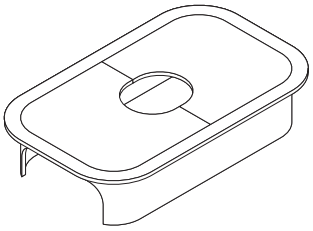
Application Topics

Order worksurface fillers after the worksurface installation because different furniture applications and installation techniques may not require a worksurface filler or worksurface filler may not fit.

How Panel-Supported Components Fit

▶Page 44

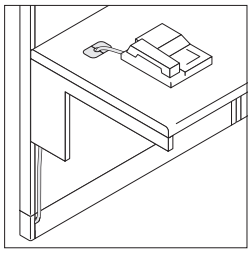
Grommets



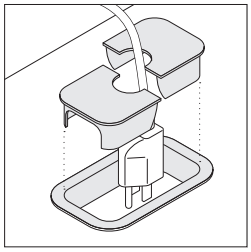
Actual Dimensions

Depth	2⅛"
Width	3½"
Height	13/16"
Opening depth	1⅝"
Opening width	3"
Size of pass-through hole	¾" x ⅞"

Product Details



Grommets are factory installed to allow cords and cables to pass through the worksurface.



Snap-out cover allows numerous cords and cables to pass through the worksurface. Three-prong plugs will fit through the opening. The cover holds cords in place when replaced.

Surface Materials

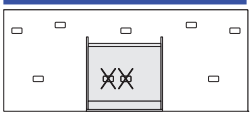
Grommet

- Plastic

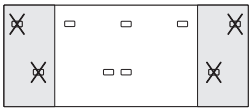
Tip: If a plastic color is not specified, 6000 Black will be provided.

▶ Page 252

Application Topics



Center drawers will block access to grommets, so avoid specifying center grommets when installing center drawers.



Pedestals will block access to some grommets, so avoid left and right grommets when specifying worksurfaces that will have pedestals installed beneath the grommets.

Grommet Locations

▶ Page 73

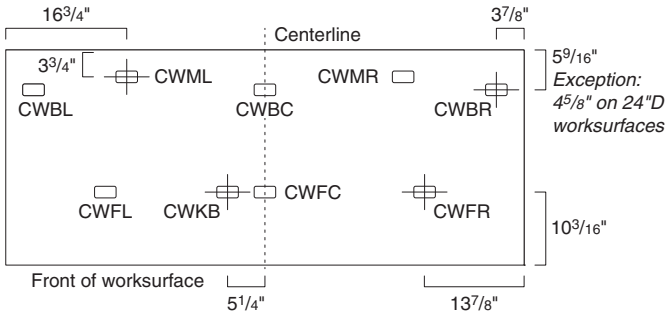
Center Drawer Fit and Grommet Obstruction

▶ Page 76

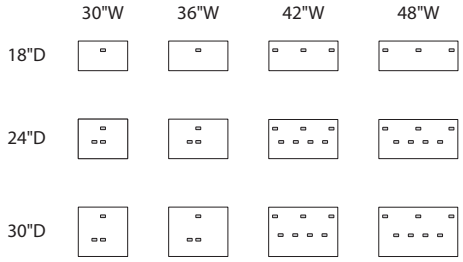
Grommet Locations

Panel-Supported Rectangular Worksurfaces, Credenzas, and Returns

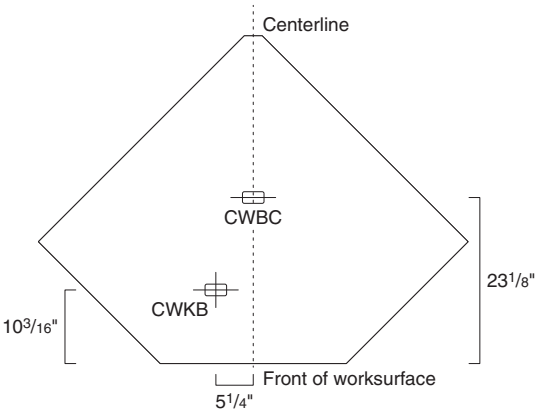
Any combination of up to nine grommet locations is available.



Exception: On the worksurfaces shown below, only select grommet locations are available.

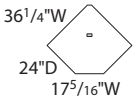


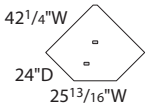
Corner Worksurfaces

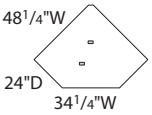


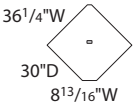
Back center grommet (CWBC) is available on all corner worksurfaces.

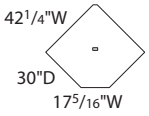
Keyboard grommet (CWKB) is available on corner worksurfaces with front edge more than 25"W.

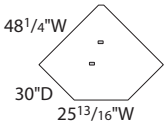




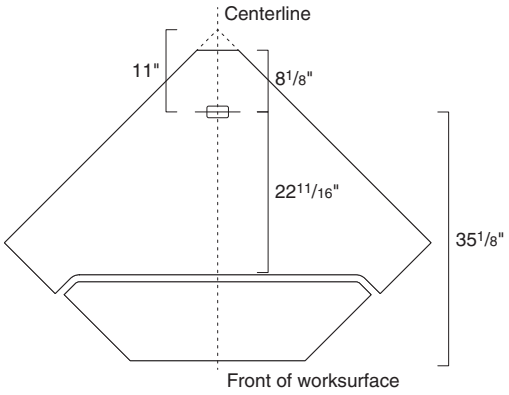




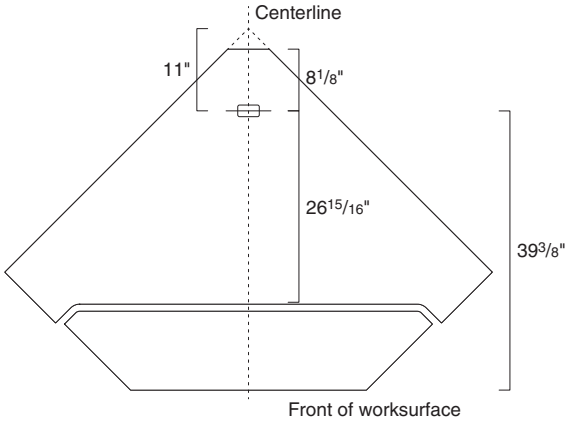




Corner Worksurface with Adjustable Keyboard Shelf



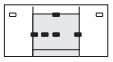
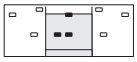
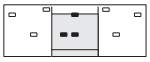
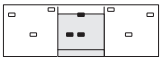
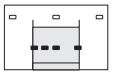
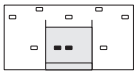
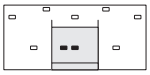
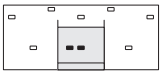
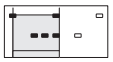
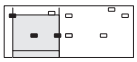
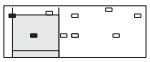
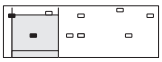
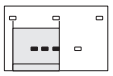
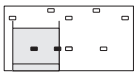
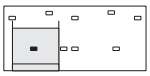
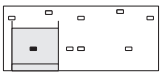
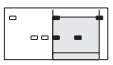
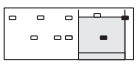
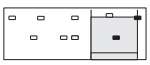
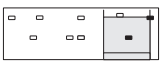
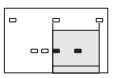
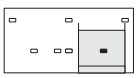
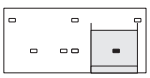
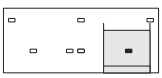
42" Corner Worksurface



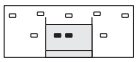
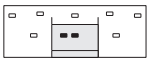
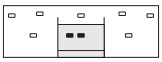
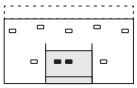
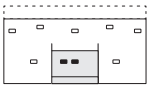
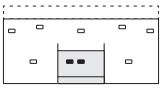
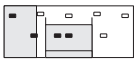
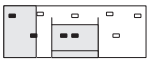
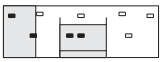
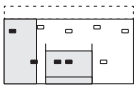
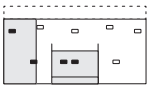
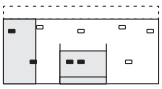
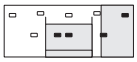
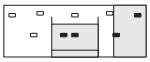
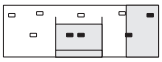
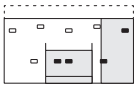
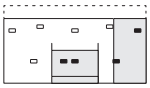
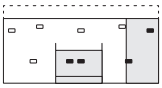
48" Corner Worksurface

Center Drawer Fit and Grommet Obstruction

Panel-Supported Worksurfaces

		30"W	36"W	42"W	48"W	60"W	66"W	72"W
Panel-supported worksurfaces with center drawer attached in the center. *Tip: 18"D worksurfaces cannot accommodate center drawers.*	24"D							
	30"D							
Panel-supported worksurfaces with center drawer attached 4" from the left edge. *Tip: 30"W and 36"W worksurfaces can only accommodate center-attached center drawers.*	24"D							
	30"D							
Panel-supported worksurfaces with center drawer attached 4" from the right edge. *Tip: 30"W and 36"W worksurfaces can only accommodate center-attached center drawers.*	24"D							
	30"D							

Desks

Desks with center drawer attached in the center.	24"D							
	30"D and 36"D							
Desks with center drawer attached 11¼" from pedestal on left. **Pedestals** block grommets located above them.	24"D							
	30"D and 36"D							
Desks with center drawer attached 11¼" from pedestal on right. **Pedestals** block grommets located above them.	24"D							
	30"D and 36"D							

▭ White dot indicates that grommet is accessible.

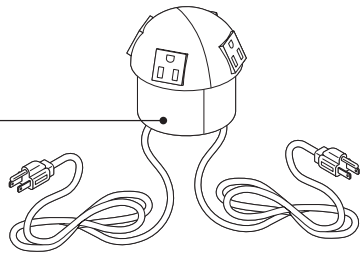
▬ Black dot indicates that grommet is obstructed.

Steelcase
February 2024

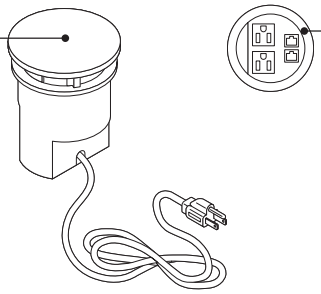
Worksurface Wiring and Cabling

Power and Communication Spheres and Port

Power and communication spheres and port provide convenient desktop access to power outlets and data jacks. Spheres and ports are field installed only.



Power spheres have four electrical outlets and two 6' cords with plug.
▶ Specifying, page 201

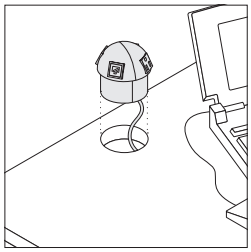


Power and communication port has a low-profile cover that is almost flush with worksurface.
▶ Specifying, page 202

Power and communication port includes two outlets and two adapters to accommodate customer supplied standard voice/ data jacks.

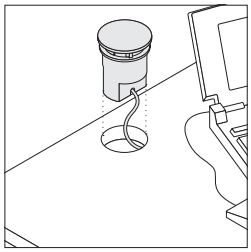
Power and Communication Spheres and Port, continued

Product Details

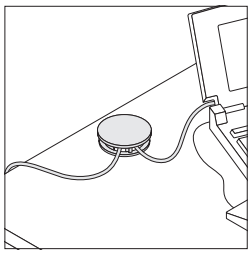


Power and communication spheres are field installed. Use a 3"-diameter drill to cut mounting hole at desired location.

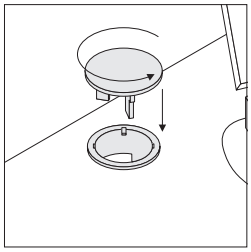
Round power and communication port contains an opening in one side of lower port that allows excess wire and cable cords to drop beneath the worksurface, leaving the port clear.
▶ Specifying, page 202



Port is field installed. Use a 3½"-diameter drill to cut mounting hole at desired location.



Lid of port in up position allows low-profile routing.



Lid can drop down when port is not in use, and conceal outlets. Twist lid until legs line up with slots and push down until lid is flush with housing.

Wiring & Cabling

6' power cord is included on power and communication spheres and port.

Chicago, New York City, and Los Angeles have special requirements.

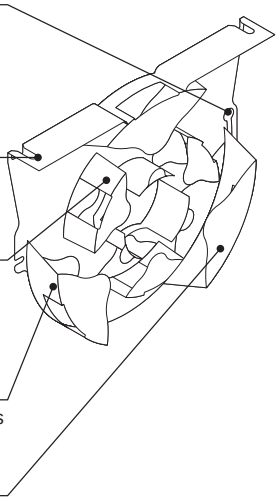
Underwriters Laboratory (UL) and Canadian Standards Association (CSA) listed. These products have been designed to meet U.S. and Canadian national electrical and energy codes and most local building codes. Local electrical codes vary, so consult with your local authority having jurisdiction as they have final say if the products as installed are compliant with local code. Consult a qualified electrician or electrical engineer for proper installation of all electrical equipment.

Surface Materials

Power spheres, communication spheres, and round power and communication port
- Black plastic only

Cable and Fiber Reel

Cable and fiber reel is available to store excess fiber-optic cable lengths. It is also suitable for storing power cables.
▶Specifying, page 200



Key-shaped mounting hole allows quick installation and removal of reel mounted horizontally to underside of worksurface.

Mounting slots allow installation of reel vertically beneath worksurface.

Inner reel accommodates copper wire and other cables that can be wound tightly.

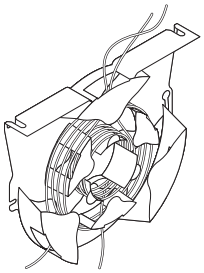
Outer reel accommodates the preferred bend radius of fiber-optic cables.

Tabs prevent cables from slipping off reel.

Actual Dimensions

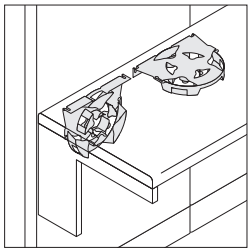
Depth	1¼"
Width	8"
Height	8⁵⁄₁₆"

Product Details



Capacity of reel is approximately 12' of standard power or communication cable on outer reel and 18' of telephone-type cord on inner reel depending on the specific cable used. Neatness of installation can affect capacities. In critical situations, you should conduct a test using the specific cable types your installation requires.

Connections



Reel can be field installed vertically or horizontally in the kneespace of panel-supported worksurfaces.

Wiring & Cabling

Chicago, New York, and Los Angeles have special requirements.

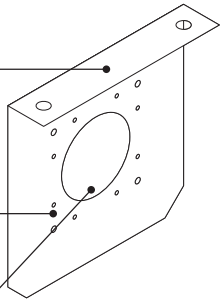
Local electrical codes vary. Consult a qualified electrician or electrical engineer for the proper installation of electrical equipment.

Surface Materials

Reel
- Black plastic only

Termination Plate

Termination plate is available for field installation to accommodate junction boxes for connections of fiber-optic cables and other cable types.
▶ Specifying, page 200



Bracket allows termination plate to be connected to worksurface.

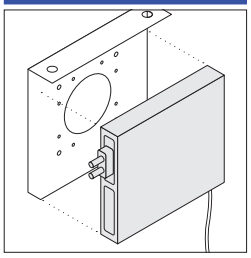
NEMA standard hole pattern allows virtually all conventional boxes and termination devices to be connected.

Opening provides access to termination device.

Actual Dimensions

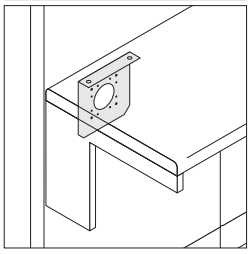
Depth	3/4"
Width	7 1/8"
Height	7 1/8"
Center opening	2 3/4" diameter

Product Details



Faceplates and junction boxes can be added to support fiber-optic or ordinary voice/data networks.

Connections



Termination plate is field installed beneath the worksurface in any position needed. Usually, it is located at the back of the worksurface so it doesn't obstruct kneespace.

Wiring & Cabling

Chicago, New York, and Los Angeles have special requirements.

Local electrical codes vary. Consult a qualified electrician or electrical engineer for the proper installation of electrical equipment.

Surface Materials

Termination plate
- Black plastic only

Understanding Storage

Statement of Line 82

Product Details

Pedestals with Avenir Pulls 86

Accessories for Pedestals 88

Overhead Bins and Shelves

- Universal Sliding Door Bins 90
- Universal Over the Case Bins 94
- Universal In the Case Bins 98
- Hutch Kits 102
- Universal Shelves and Universal Personal Shelves 104
- Bracket Application Rules 106
- Accessories 108

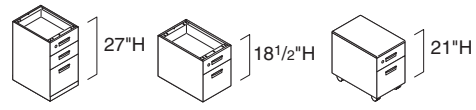
Slim Shelves 111

Application Topics

- Storage Capacities 112

Statement of Line

Storage



Fixed

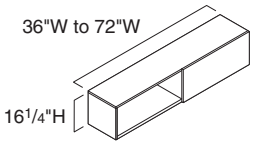
Worksurface-supported

Mobile (not available 29½"D)

Understanding
▶ Page 86
Specifying
▶ Pages 206–208

Pedestals with Avenir Pulls

	15"W
23½"D	●
29½"D	●

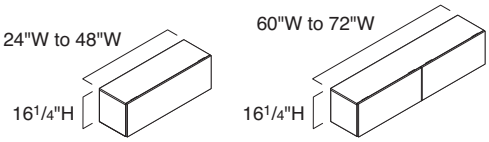


Understanding
▶ Page 90
Specifying
▶ Pages 213–215

Universal Sliding Door Bins

For Use with Avenir

	36"W	42"W	48"W	60"W	66"W	72"W
15¾"D	●	●	●	●	●	●

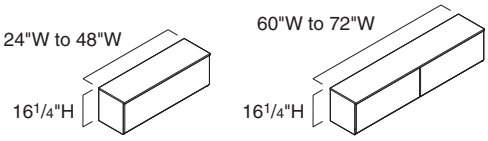


Understanding
▶ Page 94
Specifying
▶ Page 216

Universal Over the Case Bins with Flat Fronts

For Use with Avenir

	24"W	30"W	36"W	42"W	48"W	60"W	66"W	72"W
15¾"D	●	●	●	●	●	●	●	●

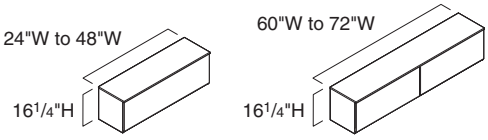


Understanding
▶ Page 98
Specifying
▶ Page 218

Universal In the Case Bins with Steel Flat Fronts

For Use with Avenir

	24"W	30"W	36"W	42"W	48"W	60"W	66"W	72"W
15¾"D	●	●	●	●	●	●	●	●

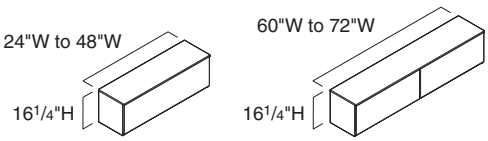


Understanding
▶ Page 98
Specifying
▶ Page 220

Universal In the Case Bins with Laminate Flat Fronts

For Use with Avenir

	24"W	30"W	36"W	42"W	48"W	60"W	66"W	72"W
15¾"D	●	●	●	●	●	●	●	●

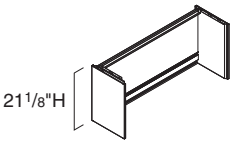


Understanding
▶ Page 98
Specifying
▶ Page 222

Universal In the Case Bins with Wood Flat Fronts

For Use with Avenir

	24"W	30"W	36"W	42"W	48"W	60"W	66"W	72"W
15¾"D	●	●	●	●	●	●	●	●

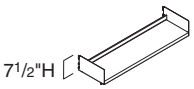


Understanding
▶ Page 102
Specifying
▶ Page 224

Hutch Kits

For Use with Universal Sliding Door Bins, Universal Over the Case Bins, and Universal In the Case Bins

	48"W	60"W	66"W	72"W
14 7/8"D	●	●	●	●

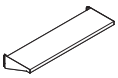


Understanding
▶ Page 104
Specifying
▶ Page 226

Universal Shelves

For Use with Avenir

	24"W	30"W	36"W	42"W	48"W	60"W	72"W
14 3/4"D	●	●	●	●	●	●	●

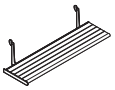


Understanding
▶ Page 104
Specifying
▶ Page 227

Universal Personal Shelves

For Use with Avenir

	24"W	30"W	36"W	42"W	48"W
13 11/16"D	●	●	●	●	●



Understanding
▶ Page 111
Specifying
▶ Page 231

Slim Shelves

	24"W	30"W	36"W	42"W	48"W	60"W	72"W	96"W
6"D	●	●	●	●	●	●	●	●

Pedestals with Avenir Pulls

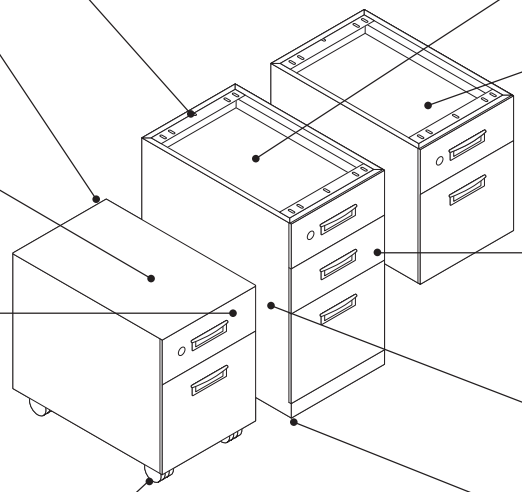
Fixed pedestals rest on the floor and support all rectangular worksurfaces.
▶ Specifying, page 206

Mobile pedestals fit under a worksurface or can be moved wherever storage is needed.
▶ Specifying, page 208

Top is ⅛"H steel. Additional top options are available.

Lock is standard on all pedestals. It controls all of the drawers in the pedestal. Locks are standard factory-installed, keyed random.
▶ *Lock and Keying,* page 262

Four casters are hard composition and non-locking, with a full rotation swivel mechanism. Casters are exposed at the base of box/file pedestals.



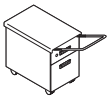
Top is open to attach beneath the worksurface.

Worksurface-supported pedestals attach beneath all Avenir 1½"-thick worksurfaces.
▶ Specifying, page 207

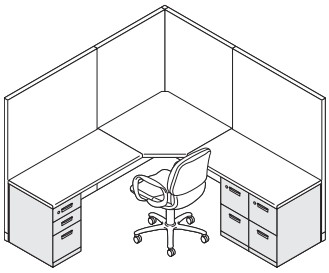
Drawers open their full depth for total access to the contents. Box- and file-size drawers are available.

Back and sides are finished.

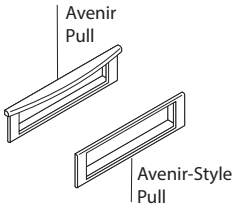
Leveling glides adjust to install pedestals on uneven floors.



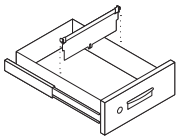
Mobile pedestal cushion top provides a temporary seat ideal for informal gatherings. Handle can be extended to easily transport mobile pedestal. Available factory-installed.
▶ Page 210



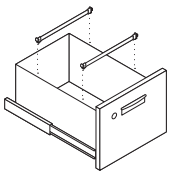
Product Details



Steelcase 730 Series storage cabinets are available with an Avenir-style pull to make these products compatible with Avenir. The Avenir-style pull complements the Avenir pull, but it is not identical. The Avenir-style pull is flush so it will allow the lateral file receding door to go back into the file.



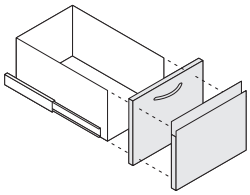
Box drawers are a welded steel construction with proud fronts. One divider is included with each box drawer.



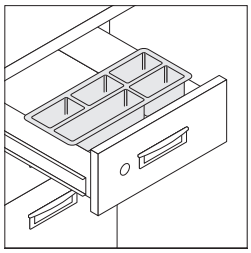
File drawers are a welded steel construction with proud fronts. Drawer body sides are full-height and accommodate front-to-back filing of hanging letter-size file folders. Optional rails accommodate side-to-side filing of letter-, A4-, and legal-size hanging folders.

Actual Dimensions

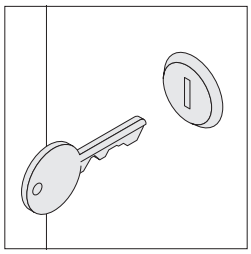
	Fixed pedestal	Worksurface-supported pedestal	Mobile pedestal	Mobile pedestal with factory-installed cushion top
Depth	23½" or 29½"	23½" or 28½"	23½"	23½"
Width	15"	15"	15"	15"
Height	27"	18½"	21"	23¼"
Leveling glide range	1⅞"	N.A.	N.A.	N.A.



Drawer fronts can be removed and changed in the field to create a different aesthetic or to replace damaged drawer fronts.

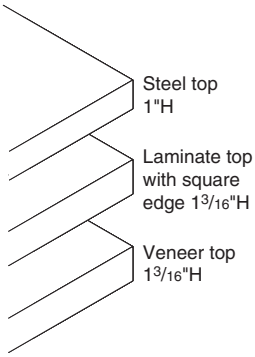


Pencil tray to hold small office supplies is included with each box/file or box/box/file pedestal.



Locks are available factory- or field-installed. Factory-installed locks are standard and available keyed random only. Optional field-installed locks are available with consecutive, specific, and random keying options. Master-keyed locks are also available. Field-installed lock cylinders must be specified separately.
▶*Lock and Keying,* page 262

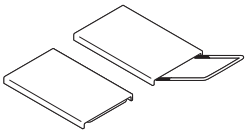
Individual drawer locks are available on file/file pedestals for applications where you want to limit access to each drawer. Pedestals include a security shield above each drawer to prevent unauthorized access. Individual locking drawers are available with field-installed lock cylinders. Consecutive, specific, and random keying options are available. Master-keyed locks are also available. Field-installed lock cylinders must be specified separately.
▶*Lock and Keying,* page 262



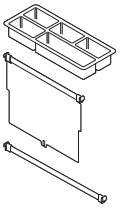
Steel, laminate, and wood veneer tops are available in place of standard 1/8"H steel tops. 1"H steel tops, 1 3/16"H laminate with square edge profile, 1 7/16"H laminate with bullnose edge profile on the front edge, and 1 3/16"H wood veneer with square edge profile.

Safety interlock system on mobile pedestals allows only one drawer to be opened at a time for added stability.

Counterweights are included on mobile pedestals to provide added stability. All pedestals are shipped with a factory-installed counterweight package that meets or exceeds standards for the industry.

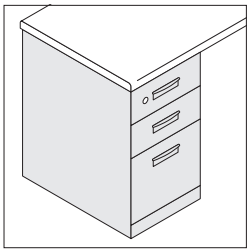


Handle of mobile pedestal cushion top is retractable. In the stowed position, handle is flush with mobile pedestal front. In the travel position, the handle is completely extended and articulates upward for transport.

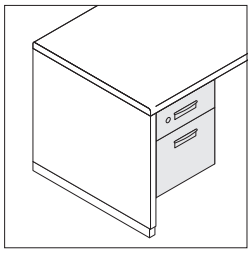


Field-installed accessories are available, including pencil trays, dividers, and rails.
▶Pages 211-212

Connections

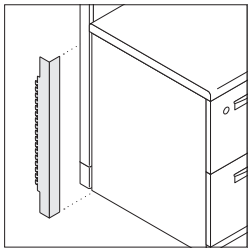


Fixed pedestals attach anywhere underneath a rectangular worksurface. They cannot attach to panel-supported tables. Attachment hardware is shipped with each fixed pedestal.



Worksurface-supported pedestals can be suspended beneath panel-supported 1½" thick worksurface. Order pedestals separately and install them in the field.

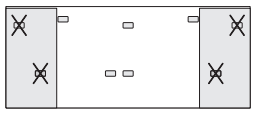
Side supports are not required when pedestals support the worksurface.



A ½" gap between the panel and the back of the pedestal allows for cord routing and storage behind the pedestal.

A filler is included with each pedestal to conceal the gap and to provide panel stability for configurations that are not panel-wrapped.
Tip: The filler can be omitted for applications where the gap is not visible, or additional panel stability is not required.

Wiring & Cabling



Left and right grommet locations are blocked when pedestals are installed under them.
▶Page 76

Surface Materials

Pedestal
- Paint

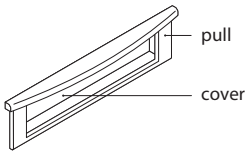
Wood veneer top
- Wood veneer—Open-pore finishes
- Customiz stain (option)

Laminate top
- Laminate
- Open Line laminate (option)

Square edge profile on laminate top
- Plastic edge default

Tip: Bullnose edge tops have a default plastic edge on the sides and back.

Drawer pulls
- Paint



Avenir Pull

Color of the pull and pull cover can match or complement the pedestal color.

Lock
- 9201 Polished Chrome (standard)
- 9250 Ember Chrome (option)

Casters and glides
- Black only

Mobile pedestal cushion top
- Upholstery

Mobile pedestal cushion top handle
- Black only

Application Topics

Storage Capacities
▶Page 112

Steelcase
February 2024

Accessories for Pedestals

Pencil Tray and Reference Shelf

▶Specifying, page 212

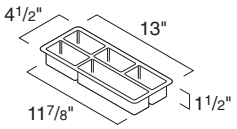
Product Details

Pencil tray and reference shelf are used in:

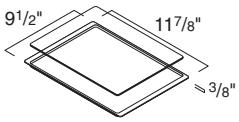
- Fixed pedestals (manufactured after February 22, 2004)
- Worksurface-supported pedestals (manufactured after February 22, 2004)
- Mobile pedestals (manufactured after February 22, 2004)

Tip: For pedestals manufactured on or before February 22, 2004, see Service Parts catalog.

- Universal towers
- Universal workstation verticals



Pencil tray is available to hold small office supplies.
Tip: Pencil trays are standard in box drawers of pedestals. One pencil tray per pedestal is included.



Reference shelf protects reference papers in box drawers. Shelf rests on top of drawer edges and can slide the entire depth of the drawer. A clear plastic insert is standard with each reference shelf.

Surface Materials

Pencil tray, file drawer stationery insert, dividers, and reference shelf

- Black

Insert for reference shelf

- Clear plastic

Actual Dimensions

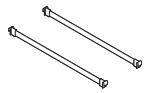
Pencil Tray

Depth	4 1/2"
Width	11 7/8"
Height	1 1/2"

Reference Shelf

Depth	9 1/2"
Width	11 7/8"
Height	3/8"

Rails

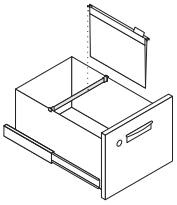


▶Specifying, page 211

Product Details

Rails accommodate both front-to-back and side-to-side filing of letter-, A4 international-, and legal-size hanging folders.

Rail packages are available in quantities of two or four rails.



Rails can be used for side-to-side filing in 12"H file drawers of:
- Fixed pedestals (manufactured after February 22, 2004)
- Worksurface-supported pedestals (manufactured after February 22, 2004)
- Mobile pedestals (manufactured after February 22, 2004)

Tip: For pedestals manufactured on or before February 22, 2004, see Service Parts catalog.

Surface Materials

Rails
- Black

Actual Dimensions

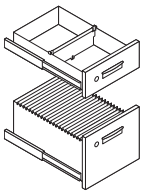
For use with drawers

Width	15"

Dividers

▶Specifying, page 211

Product Details



Dividers are available for use in 6"H box drawers and 12"H file drawers of:
- Fixed pedestals (manufactured after February 22, 2004)
- Worksurface-supported pedestals (manufactured after February 22, 2004)
- Mobile pedestals (manufactured after February 22, 2004)

Tip: For pedestals manufactured on or before February 22, 2004, see Service Parts catalog.

12"H drawer dividers are available in letter-width 15".

Dividers ship in a package of two.

Surface Materials

Dividers
- Black

Actual Dimensions

For use in 6"H drawers

Width	15"

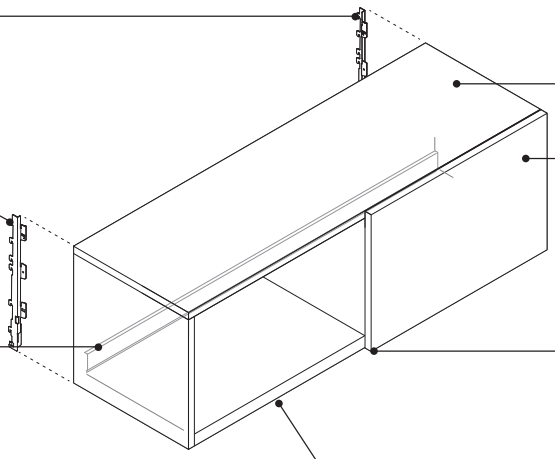
For use in 12"H drawers

Width	15"

Universal Sliding Door Bins

For Use with Avenir

Universal sliding door bins attach to panels with an on-module bracket and provide overhead storage in the work space. Door is available in steel or wood.
▶ Specifying, pages 213-215



Safety catch locks overhead storage unit to frame to prevent accidental removal.

On-module attachment brackets are used to mount bins on panels of the same width as bins and are included with the bin as a standard component.

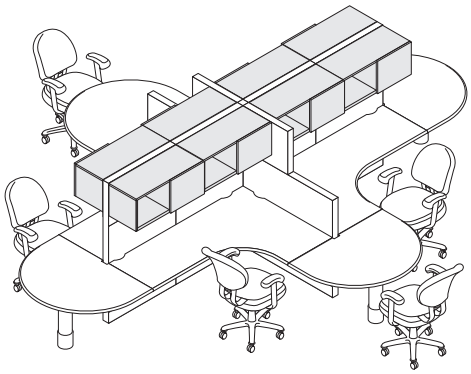
Metal backstop prevents notebooks and equipment from damaging panel surface.

Bin ships assembled.

Steel, laminate, and wood front doors glide smoothly from one side of the case to the other.

Lock is standard on bins to secure the door. The door can be locked in the closed position on either the right- or left-hand side of the bin. Lock is located underneath the center of the shelf. Lock is standard factory-installed, keyed random. A no-lock option is available.
▶*Lock and Keying,* page 262

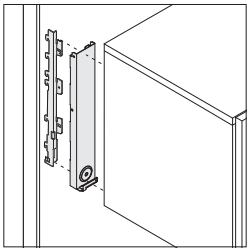
Recess beneath unit can accommodate a shelf light.
▶ Page 118



Actual Dimensions	
Depth	15¾"
Width	36", 42", 48", 60", 66", and 72"
Height	16¼"

Product Details

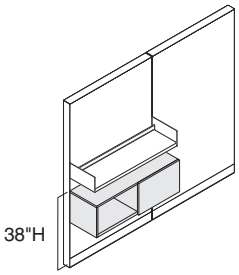
On-module attachment brackets are independent of the storage bins and unique to the panel system they are used on. If the storage bin needs to be attached to a different panel in the future, additional on-module attachment brackets can be purchased through Service Parts.



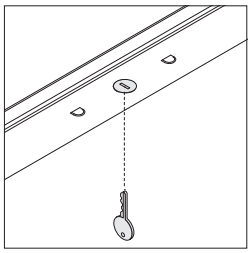
Vertical off-module brackets, optional, can be used to mount one or two sides of an overhead bin off-module on Answer, Kick, Avenir, and Montage with vertical slot patterned panels. To mount an overhead bin with one side off-module, specify with one vertical off-module bracket. To mount an overhead bin with two sides off-module, specify with two vertical off-module brackets. Both of these brackets attach to the on-module bracket that comes standard with the overhead bin.

Vertical off-module brackets are used with bins up to 12" wider than the panel, allowing them to overhang the panel seam.

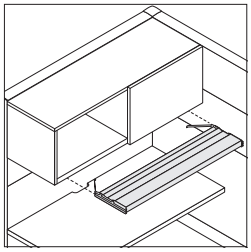
Omit brackets option must be specified when bin is being used in hutch kit or when attaching bin to a horizontal wall attachment bracket. Order hutch kit separately.



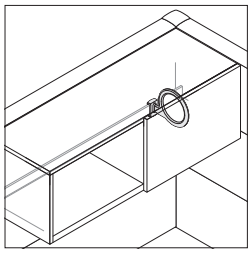
Universal sliding door bin may be mounted at desk height elevations or lower if another panel mounted component prevents it from being seated upon.



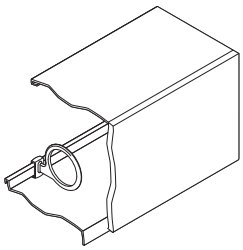
Lock in bin is concealed from view beneath the shelf. Locks are available factory or field-installed. Factory-installed locks are standard and available keyed random only. Optional field-installed locks are available with consecutive, specific, and random keying options. Master- keyed locks are also available. Field-installed lock cylinders must be specified separately.
▶*Lock and Keying,* page 262



Shelf lights are available for use beneath bins. Lights recess into the bottom of the overhead storage unit.
▶Page 118



Dividers are available as an option for use on bins. Dividers ship in a package of four.

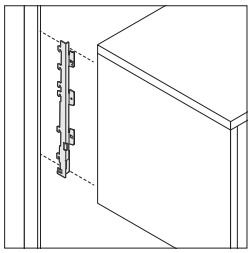


Back of storage bin is open to allow panel surface to show. Metal backstop prevents contents of bin from damaging panel surface.

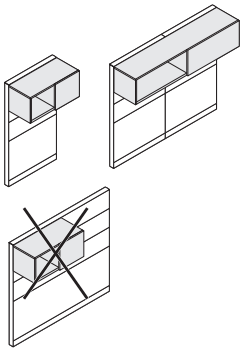
Overhead storage bin height accepts standard and A4 binders.

When mounting on Answer or Kick panels, top of bin cannot be loaded.

Connections

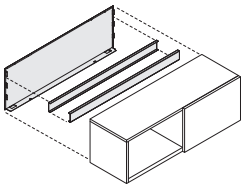


Steel support hooks on end supports insert into the slotted channel of a panel or wall channel and lock into place with a safety catch.

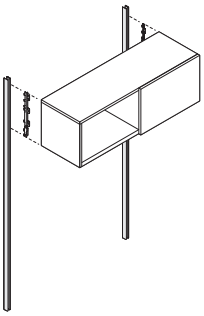


Width of overhead bin must match the width of the panel or panels that it is attached to when using an on-module bracket. Bin may span up to two frames.

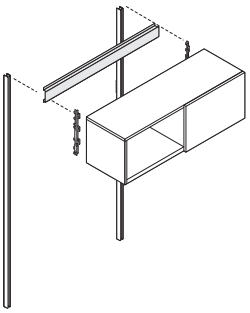
Additional support for stability may be required when overhead bins are attached to panels. Counterbalancing loads on opposite sides of the panels increases stability.



Horizontal wall attachment brackets are available to attach storage bins to wall of building. Specify as separate style number.
Tip: Select the omit brackets option when ordering the bin.



Wall channels are available to attach bins to concrete or block walls. Wall channels can be used to attach bins and tackboards to wood, dry wall, or plaster walls if the wall is reinforced.
▶Page 109



Wall channel horizontal brace is required with wall channels to support bins that are wider than 48".
▶Page 109

Surface Materials

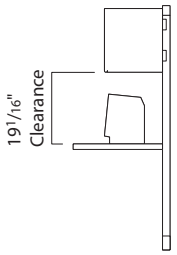
Overhead bin
- Paint
- Laminate door (optional)
- Wood door (optional)

Locks
- 9201 Polished Chrome
- 9250 Ember Chrome (optional)

On-module and vertical off-module attachment brackets
- Black paint only

Dividers
- White plastic

Application Topics



Clearance between Avenir and Avenir curvilinear worksurfaces and bottom of overhead bins is 19 1/16" when storage unit is installed in the highest position on a 65"H panel and glides are adjusted all the way into the panel.

Storage Capacities and Dimensions
▶ Page 112

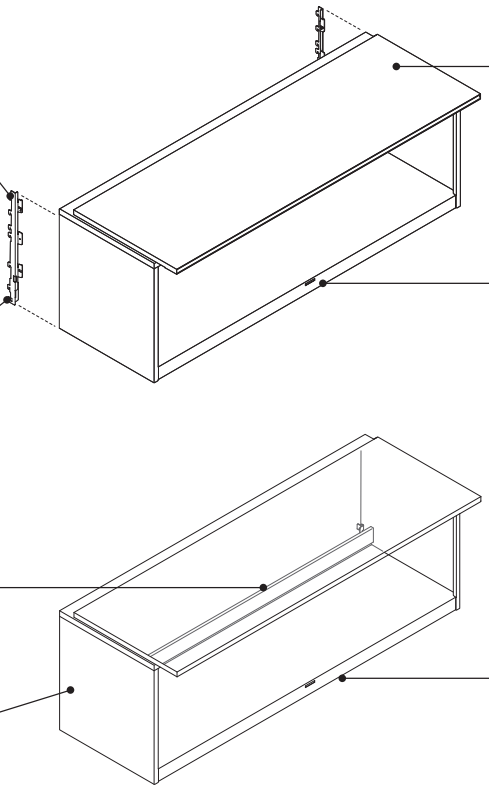
Bracket Application Rules
▶ Page 106

Rules for Panel Stability with Components
▶ Page 53

Universal Over the Case Bins

For Use with Avenir

Universal over the case bins can be attached to panels with an on-module bracket and provide overhead storage in the work space.
▶Specifying, pages 216–223



Safety catch locks overhead storage unit to frame to prevent accidental removal.

On-module attachment brackets are used to mount bins on panels of the same width as bins and are included with the bin as a standard component.

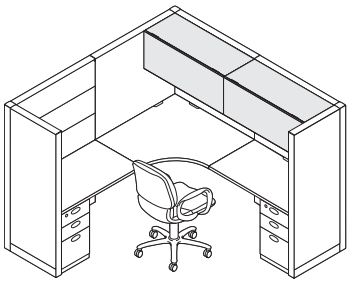
Flat-front lift-up doors open and close quietly. When up, the doors rest on top of the case to provide more storage space inside.

Locks are standard on bins to secure the door(s). Lock is located underneath the center of the shelf. Locks are standard factory-installed, keyed random. Two-door units are keyed alike. A no-lock option is available.
▶*Lock and Keying,* page 262

Backstop prevents notebooks and equipment from damaging the surface of the panels or walls.

Bin is steel and ships assembled.

Recess beneath unit can accommodate a shelf light.
▶Page 118

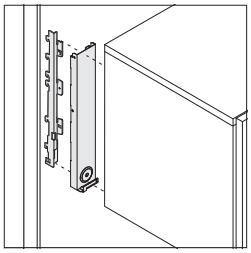


Actual Dimensions

Depth	15¾"
Width	24", 30", 36", 42", 48", 60", 66", and 72"
Height	16¼"

Product Details

On-module attachment brackets are independent of the storage bins and unique to the panel system they are used on. The following style number suffixes indicate the panels they attach to:
TAK = Answer and Kick
AVR = Avenir
MON = Montage
If the storage bin needs to be attached to a different panel in the future, additional on-module attachment brackets can be purchased through Service Parts.



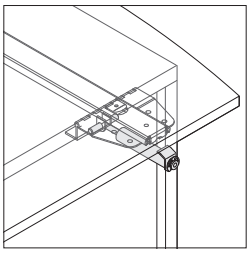
Vertical off-module brackets, optional, can be used to mount one or two sides of an overhead bin off-module on Answer, Kick, Avenir, and Montage with vertical slot patterned panels. To mount an overhead bin with one side off-module, specify with one vertical off-module bracket. To mount an overhead bin with two sides off-module, specify with two vertical off-module brackets. Both of these brackets attach to the on-module bracket that comes standard with the overhead bin.

Vertical off-module brackets are used with bins up to 12" wider than the panel, allowing them to overhang the panel seam.

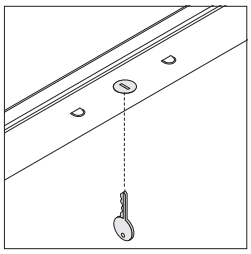
Picture frame door—omit insert, optional, is available on Universal over the case and in the case bins with flat steel fronts only. An omit insert option allows custom material to be field installed in the aluminum door frame.

The omit insert custom material must be ordered from a material vendor. If an omit insert option is specified and a door assist mechanism is also required, an assist mechanism must be specified as a separate option to the storage bin. The weight of a custom insert on a Universal over the case bin can not exceed 10½ pounds. An insert for a Universal over the case storage bin door with an assist mechanism must weigh within the range of 7 ¼ pounds to 10½ pounds or the assist mechanism will not function correctly. Custom materials being installed in a door insert must comply with local building codes. Consult with local authorities to determine compliance requirements. The use of safety glass is required if installing custom glass in a door insert. To install customer provided material in a picture frame door with the insert omitted, make sure the material is cut precisely to the sizes listed on the dimensions matrix.

▶See *Dimensions for Custom Field-Installed Picture Frame Door Inserts*, page 97

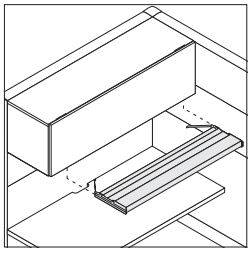


Door assist mechanism, optional, consists of a gas cylinder and spring that provides an assisted open and close of the door. When opening the door, the spring pulls the door to the fully recessed position. When closing the door, the assist mechanism will slowly close the door. Universal over the case bins ship with two assist mechanisms per door when specified.



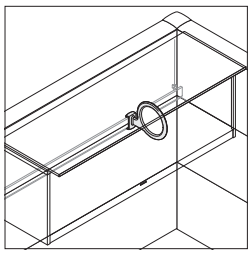
Lock in bin is concealed from view beneath the shelf. Locks are available factory- or field-installed. Factory-installed locks are standard and available keyed random only. Two-door units are keyed alike. Optional field-installed locks are available with consecutive, specific, and random keying options. Master-keyed locks are also available. Field-installed lock cylinders must be specified separately.

▶*Lock and Keying,* page 262



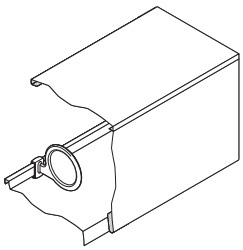
Shelf lights are available for use beneath bins. Lights recess into the bottom of overhead bins.

▶Page 118



Divider is available as an option on overhead bins. Dividers ship in a package of four.

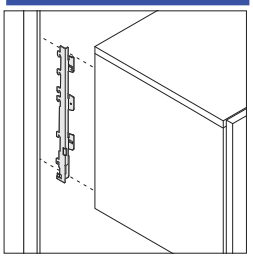
▶Page 110



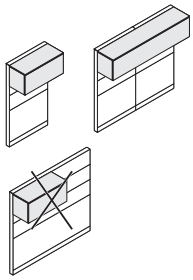
Back of storage bin is open to allow panel surface to show. Metal backstop prevents contents of bin from damaging panel surface.

Overhead storage bin height accepts standard and A4 binders.

Connections

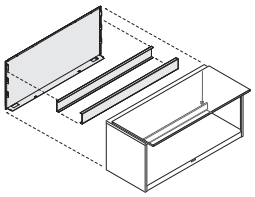


Steel support hooks on end supports insert into the slotted channel of a panel or wall channel and lock into place with a safety catch.

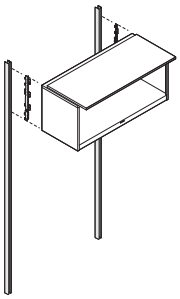


Width of overhead bin must match the width of the panel or panels that it is attached to when using an on-module bracket. Bin may span up to two frames.

Additional support for stability may be required when overhead bins are attached to panels. Counterbalancing loads on opposite sides of the panels increases stability.

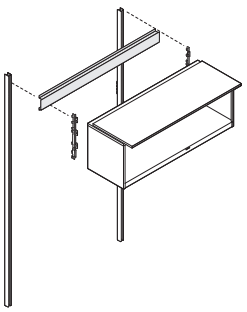


Horizontal wall attachment brackets are available to attach storage bins to wall of building. Specify as a separate style number. *Tip: Select the omit brackets option when ordering the bin.*



Wall channels are available to attach bins to concrete or block walls. Wall channels can be used to attach bins and tackboards to wood, dry wall, or plaster walls if the wall is reinforced.

▶Page 109



Wall channel horizontal brace is required with wall channels to support bins that are wider than 48".

▶Page 109

Surface Materials

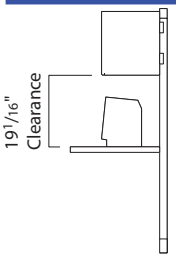
Overhead bin
- Paint

Lock
- 9201 Polished Chrome
- 9250 Ember Chrome (optional)

On-module and vertical off-module attachment brackets
- Black paint only

Dividers
- White plastic

Application Topics



Clearance between Avenir and Avenir curvilinear worksurfaces and bottom of overhead bins is 19 1/16" when storage unit is installed in the highest position on a 65"H panel and glides are adjusted all the way into the panel.

Storage Capacities and Dimensions
▶ Page 112

Bracket Application Rules
▶ Page 106

Rules for Panel Stability with Components
▶ Page 53

Dimensions for Custom Field-Installed Picture Frame Door Inserts

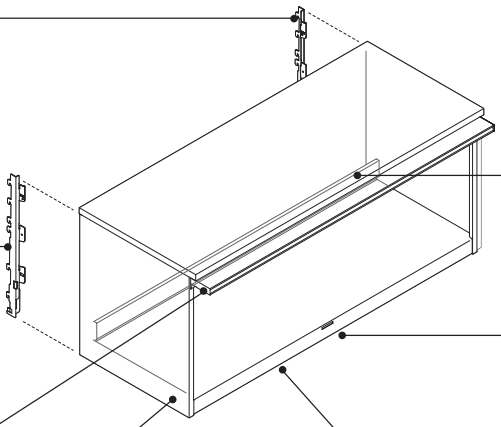
For Universal Over the Case Bins		Custom Picture Frame Door Inserts		
Bin Width	Door Width	Height +/–0.02"	Width +/–0.02"	Thickness +/–0.02"
24"	24"	15.933"	23.314"	0.138"
25"	25"	15.933"	24.314"	0.138"
30"	30"	15.933"	29.314"	0.138"
35"	35"	15.933"	34.314"	0.138"
36"	36"	15.933"	35.314"	0.138"
42"	42"	15.933"	41.314"	0.138"
45"	45"	15.933"	44.314"	0.138"
48"	48"	15.933"	47.314"	0.138"
60"	30" (per door)	15.933"	29.314"	0.138"
66	33" (per door)	15.933"	32.314"	0.138"
70"	35" (per door)	15.933"	34.314"	0.138"
72"	36" (per door)	15.933"	35.314"	0.138"
75"	37½" (per door)	15.933"	36.314"	0.138"

Tip: A custom insert cannot be factory installed. Custom insert must be ordered from a material vendor and will not be handled like a Steelcase Customer's Own Material. In selecting materials for customer supplied inserts, consider material characteristics, such as effects from thermal changes, humidity changes, aging characteristics, and strength of material. Do not use materials that allow the overall size of the custom insert to deviate by amounts larger than the acceptable tolerances listed in the matrix.

Universal In the Case Bins

For Use with Avenir

Universal in the case bins, attach to panels with an on-module bracket and provide overhead storage in the work space. Door is available in steel or wood.
▶ Specifying, pages 218–222



Safety catch locks overhead storage unit to frame to prevent accidental removal.

On-module attachment brackets are used to mount bins on panels of the same width as bins and are included with the bin as a standard component.

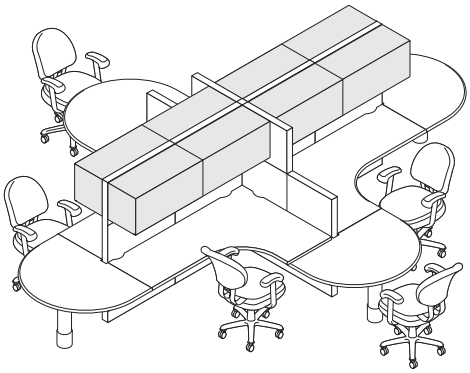
Flat-front lift-up doors (steel, laminate, or wood) recess into the overhead storage bin.

Bin ships assembled.

Metal backstop prevents notebooks and equipment from damaging panel surface.

Locks are standard on bins to secure the door(s). Lock is located underneath the center of the shelf. Locks are standard factory-installed, keyed random. Two-door units are keyed alike. A no-lock option is available.
▶ *Lock and Keying,* page 262

Recess beneath unit can accommodate a shelf light.
▶ Page 118

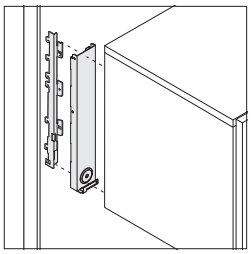


Actual Dimensions

Depth	15¾"
Width	24", 30", 36", 42", 48", 60", 66", and 72"
Height	16¼"

Product Details

On-module attachment brackets are independent of the storage bins and unique to the panel system they are used on. The following style number suffixes indicate the panels they attach to:
TAK = Answer and Kick
AVR = Avenir
MON = Montage
If the storage bin needs to be attached to a different panel in the future, additional on-module attachment brackets can be purchased through Service Parts.



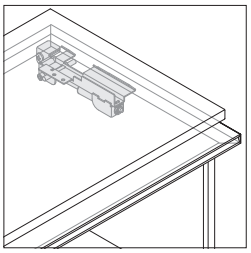
Vertical off-module brackets, optional, can be used to mount one or two sides of an overhead bin off-module on Answer, Kick, Avenir, and Montage with vertical slot patterned panels. To mount an overhead bin with one side off-module, specify with one vertical off-module bracket. To mount an overhead bin with two sides off-module, specify with two vertical off-module brackets. Both of these brackets attach to the on-module bracket that comes standard with the overhead bin.

Vertical off-module brackets are used with bins up to 12" wider than the panel, allowing them to overhang the panel seam.

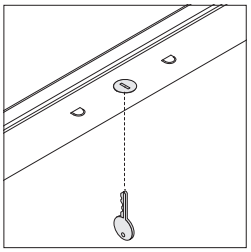
Omit brackets option must be specified when bin is being used in hutch kit or when attaching bin to a horizontal wall attachment bracket. Order hutch kit separately.

Picture frame door—omit insert, optional, is available on Universal over the case and in the case bins with flat steel fronts only. An omit insert option allows custom material to be field installed in the aluminum door frame.

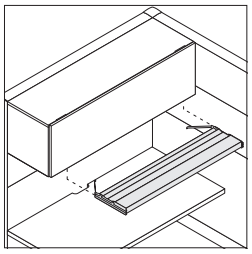
The omit insert custom material must be ordered from a material vendor. If an omit insert option is specified and a door assist mechanism is also required, an assist mechanism must be specified as a separate option to the storage bin. The weight of a custom insert on a Universal in the case bin can not exceed 9½ pounds. An insert for a Universal in the case storage bin door with an assist mechanism must weigh within the range of 5½ pounds to 9½ pounds or the assist mechanism will not function correctly. Custom materials being installed in a door insert must comply with local building codes. Consult with local authorities to determine compliance requirements. The use of safety glass is required if installing custom glass in a door insert. To install customer provided material in a picture frame door with the insert omitted, make sure the material is cut precisely to the sizes listed on the dimensions matrix.
▶See *Dimensions for Custom Field-Installed Picture Frame Door Inserts*, page 101



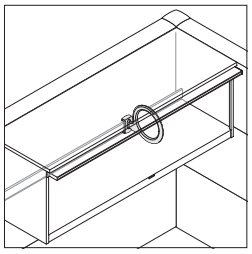
Door-assist mechanism, optional, consists of a gas cylinder and spring that provides an assisted open and close of the door. When opening the door, the spring pulls the door to the fully recessed position. When closing the door, the assist mechanism will slowly close the door. Universal in the case bins ship with one assist mechanism per door when specified.



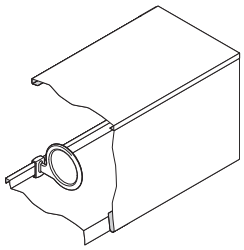
Lock in bin is concealed from view beneath the shelf. Locks are available factory- or field-installed. Factory-installed locks are standard and available keyed random only. Two-door units are keyed alike. Optional field-installed locks are available with consecutive, specific, and random keying options. Master-keyed locks are also available. Field-installed lock cylinders must be specified separately.
▶*Lock and Keying,* page 262



Shelf lights are available for use beneath bins. Lights recess into the bottom of the overhead storage unit.
▶Page 118



Dividers are available as an option for use on bins. Dividers ship in a package of four.

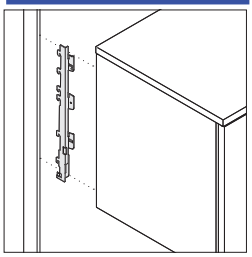


Back of storage bin is open to allow panel surface to show. Metal backstop prevents contents of bin from damaging panel surface.

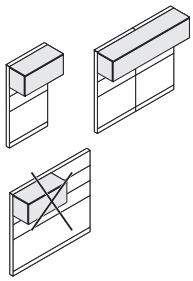
Overhead storage bin height accepts standard and A4 binders.

When mounting on Answer or Kick panels, top of bin cannot be loaded.

Connections

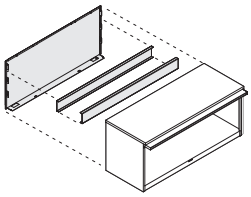


Steel support hooks on end supports insert into the slotted channel of a panel or wall channel and lock into place with a safety catch.

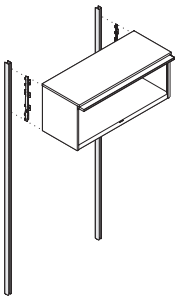


Width of overhead bin must match the width of the panel or panels that it is attached to when using an on-module bracket. Bin may span up to two frames.

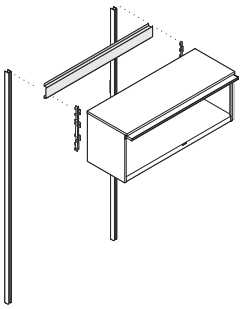
Additional support for stability may be required when overhead bins are attached to panels. Counterbalancing loads on opposite sides of the panels increases stability.



Horizontal wall attachment brackets are available to attach storage bins to wall of building. Specify as separate style number. *Tip: Select the omit brackets option when ordering the bin.*



Wall channels are available to attach bins to concrete or block walls. Wall channels can be used to attach bins and tackboards to wood, dry wall, or plaster walls if the wall is reinforced.
▶Page 109



Wall channel horizontal brace is required with wall channels to support bins that are wider than 48".
▶Page 109

Surface Materials

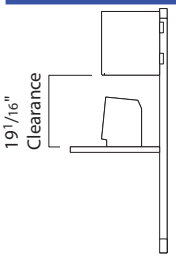
Overhead bin
- Paint
- Laminate door (optional)
- Wood door (optional)

Locks
- 9201 Polished Chrome
- 9250 Ember Chrome (optional)

On-module and vertical off-module attachment brackets
- Black paint only

Dividers
- White plastic

Application Topics



Clearance between Avenir and Avenir curvilinear worksurfaces and bottom of overhead bins is $19\frac{1}{16}$" when storage unit is installed in the highest position on a 65"H panel and glides are adjusted all the way into the panel.

Storage Capacities and Dimensions
▶ Page 112

Bracket Application Rules
▶ Page 106

Rules for Panel Stability with Components
▶ Page 53

Dimensions for Custom Field-Installed Picture Frame Door Inserts

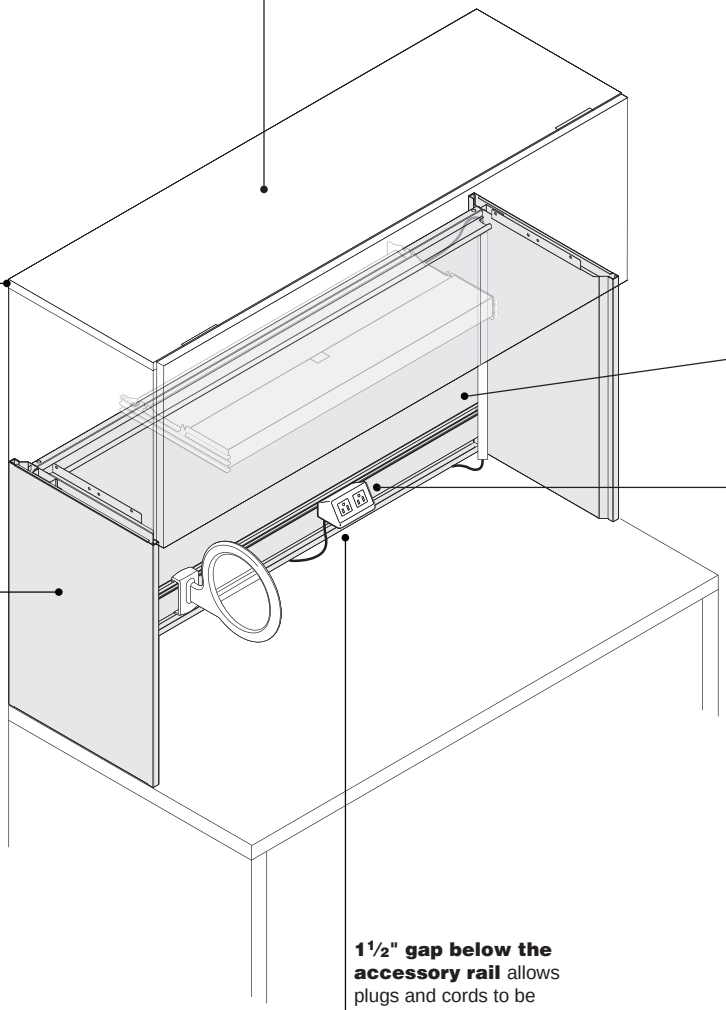
For Universal In the Case Bins		Custom Picture Frame Door Inserts		
Bin Width	Door Width	Height +/–0.02"	Width +/–0.02"	Thickness +/–0.02"
24"	24"	15.000"	23.164"	0.138"
25"	25"	15.000"	24.164"	0.138"
30"	30"	15.000"	29.164"	0.138"
35"	35"	15.000"	34.164"	0.138"
36"	36"	15.000"	35.164"	0.138"
42"	42"	15.000"	41.164"	0.138"
45"	45"	15.000"	44.164"	0.138"
48"	48"	15.000"	47.164"	0.138"
60"	30" (per door)	15.000"	29.164"	0.138"
66	33" (per door)	15.000"	32.164"	0.138"
70"	35" (per door)	15.000"	34.164"	0.138"
72"	36" (per door)	15.000"	35.164"	0.138"
75"	37½" (per door)	15.000"	36.664"	0.138"

Tip: A custom insert cannot be factory installed. Custom insert must be ordered from a material vendor and will not be handled like a Steelcase Customer's Own Material. In selecting materials for customer supplied inserts, consider material characteristics, such as effects from thermal changes, humidity changes, aging characteristics, and strength of material. Do not use materials that allow the overall size of the custom insert to deviate by amounts larger than the acceptable tolerances listed in the matrix.

Hutch Kits

Hutch kits allow one Universal sliding door, Universal over the case, or in the case bin to be mounted above a desk or credenza, to provide privacy and overhead storage. A hutch kit includes two end supports, a back panel for the bin, an accessory rail, a double-sided tackboard, one cable manager, and attachment hardware.
▶ Specifying, page 224

Bins are sold separately. Any Universal sliding door, over the case, or in the case bin can be used. Select the omit brackets option when ordering the bin.



Painted steel back panel encloses the storage bin so the hutch does not need to be panel wrapped.

Double-sided tackboard can be ordered with matching or contrasting fabrics.

Accessory rail accepts the hutch kit receptacle, selected worktools, and the dividers that are an option to the storage bin.

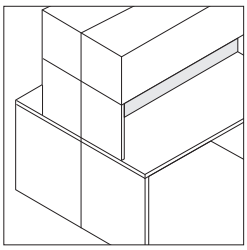
End panels support the storage bins and are attached to the worksurface with screws.

1½" gap below the accessory rail allows plugs and cords to be routed between the rail and the worksurface. A painted metal access cover slides up and down to allow plugs to pass through without creating a large visible gap.

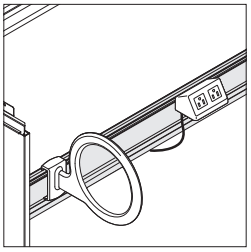
Actual Dimensions

Depth	14⅞"
Width	48", 60", 66", or 72"
Height	21⅛"

Product Details



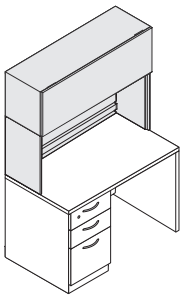
Double-sided tackboards are standard with hutch kits. They divide space, increase privacy, and provide a display surface.



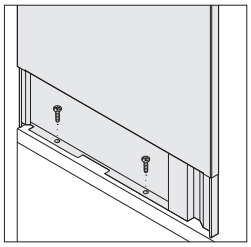
Accessory rail accepts the dividers that are available as an option to the storage bin and the hutch kit receptacle. The rail also accepts selected worktools. A 1½" gap below the accessory rail allows plugs and cords to be routed between the rail and the worksurface. A painted metal access cover slides up and down to allow plugs to pass through without creating a large visible gap.

Power receptacles are available for field installation on the accessory rail, providing access to power at worksurface height.

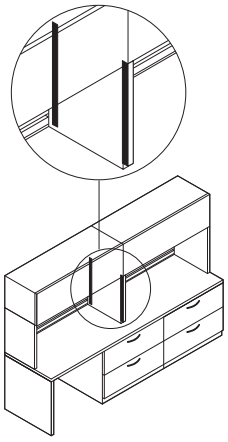
Connections



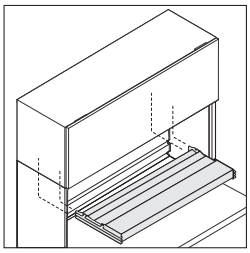
Hutches can be used on full-depth corner and extended corner worksurfaces.



Hutch end supports attach to the worksurface using screws that are shipped with the hutch kit.

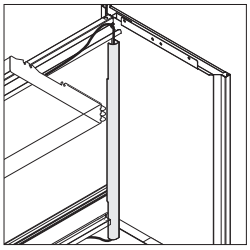


Hutch connector bracket is available to connect two or more hutch kits side by side.
▶ See *Desk Stability Guidelines* in the *Answer Solutions Specification Guide*.



Shelf lights are available to recess into the bottom of storage bins.

Wiring & Cabling



Light cords can be routed through a hutch vertical cable manager, and then through the gap between the accessory rail and the worksurface. One non-handed, painted steel vertical cable manager is shipped with each hutch kit. Additional cable managers ordered separately, are available.

Surface Materials

End supports, back panel, vertical cable manager, and accessory rail
- Paint

Tackboard
- Vertical surface fabric

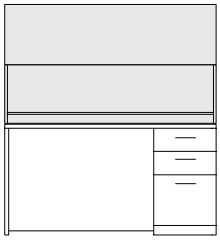
Power receptacle
- Black plastic only

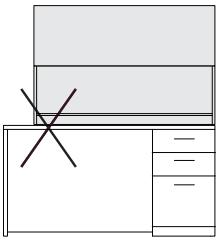
Pricing

Tip: To price a tackboard with fabrics in two different price groups on opposite sides, add the two prices together and divide by two.

Application Topics

Clearance between the worksurface and the bin is 21⅛".





Hutch end panels must be located immediately above a floor support that stabilizes the front and back edges of the worksurface, such as a pedestal, an end support, or a pair of legs.

Steelcase Worktools are available for use on accessory rail including letter tray, pencil cup, double square cup, shallow dish, office in a file, mini shelf, personal shelf, and slatshelves. For product information, see *Steelcase Worktools Specification Guide.*

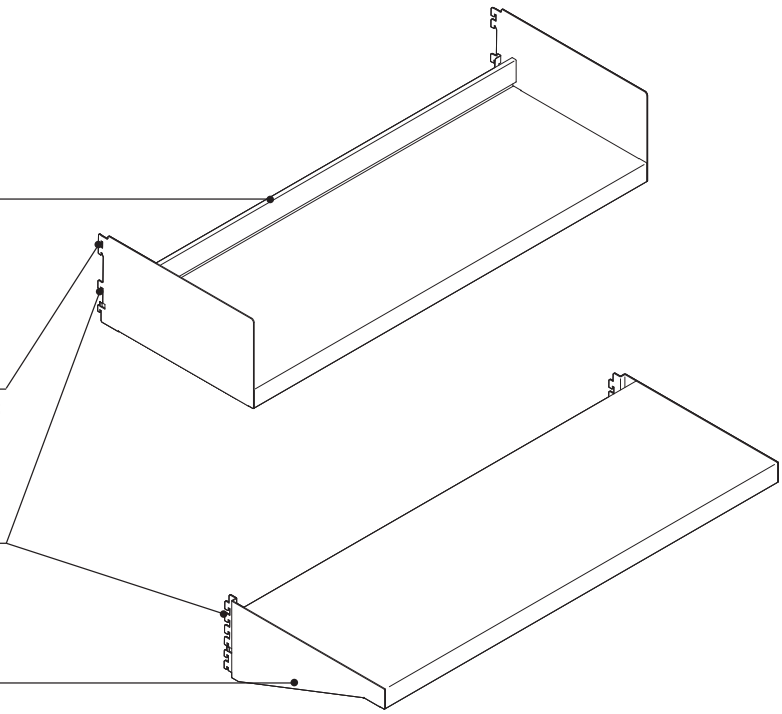
Shipping

Hutch kits are assembled in the field.

Universal Shelves and Universal Personal Shelves

Universal shelves—supported by Answer, Kick, Avenir, and Montage—provide overhead storage in the work space.
▶Specifying, page 226

Universal personal shelves provide a wall-supported surface that attaches to Answer, Kick, and Avenir.
▶Specifying, page 227

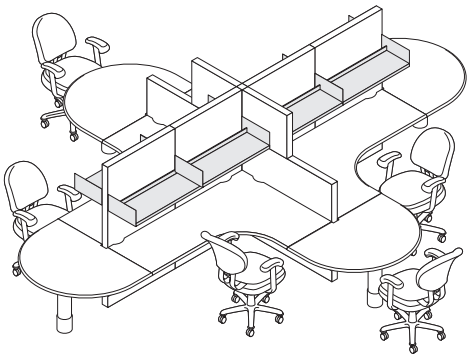


Metal backstop on Universal shelves prevents notebooks and equipment from damaging panel surface. Universal personal shelves do not have a backstop.

On-module attachment hooks are integral to the end supports and are used to mount shelves on panels of the same width as bins.

Safety catch locks shelf units to frame to prevent accidental removal.

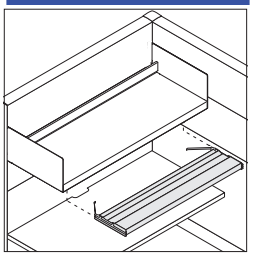
Shelves are steel and ship ready to assemble.



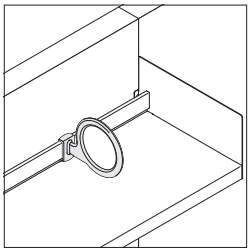
Actual Dimensions

	Universal shelves	Universal personal shelves
Depth	14¾"	13 11/16"
Width	24", 30", 36", 42", 48", 60", and 72"	24", 30", 36", 42", and 48"
Height	7½" (Kick, Answer, and Avenir)	1 11/16" (thickness of shelf)

Product Details



Shelf lights are available for use beneath shelves. Lights recess into the bottom of the overhead storage unit.
▶Page 118

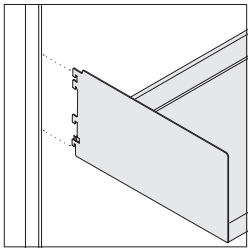


Dividers are available field installed for use on Universal shelves. Dividers ship in a package of four. Dividers cannot attach to Universal personal shelves.

A 1½" gap exists between the personal shelf and the panel to allow for cable routing.

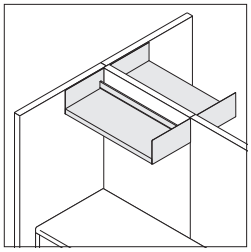
The height dimension of the bracket (from top of personal shelf to the bottom of the bracket) is 6½"H.

Connections

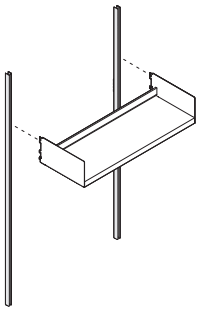


Steel support hooks on end supports insert into the slotted channel of a panel or wall channel and lock into place with a safety catch.

On-module attachment hooks cannot be attached to upmount brackets.



Width of shelf must match the width of the panel or panels that it is attached to with the on-module brackets. Shelves may span up to two frames.



Wall channels are available to attach shelves to concrete or block walls. Wall channels can be used to attach shelves to wood, dry wall, or plaster walls, if wall is reinforced.
▶Page 109

Surface Materials

Shelf
- Paint

Application Topics

Storage Capacities and Dimensions
▶Page 112

Bracket Application Rules
▶Page 106

Rules for Panel Stability with Components
▶Page 53

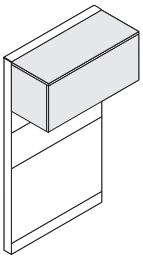
Bracket Application Rules

For TS 200 Series Bins, Universal Sliding Door Bins, Universal Over the Case Bins, Universal In the Case Bins, and Universal Shelves

Bracket Application Matrix

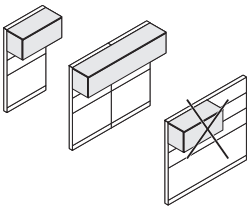
Panels	TS 200 Series Bins, Universal Bins, and Universal Shelves—On-Module	Universal Bins—Single Side Vertical Off-Module	Universal Bins—Two Sided Vertical Off-Module	Universal Bins—Horizontal Off-Module (for use with Montage only)	Universal Bins—Upmount
Answer	•	•	•		•
Kick	•	•	•		•
Avenir	•	•	•		•
Montage	•	•	•	•	•

On-Module Brackets and Hooks



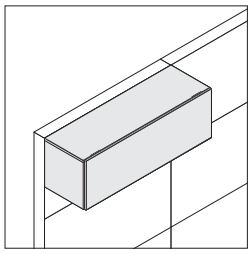
On-module brackets and hooks are used to mount overhead bins and Universal shelves to panels with vertical slot patterns. Answer, Kick, Avenir, and Montage panels can support on-module attachment brackets.

Universal personal shelves can attach on-module to all panels except Montage.



Width of overhead storage unit must match the width of the panel or panels that it is attached to. Storage bins or shelves may span up to two panels.

Additional support for stability may be required when shelves and overhead storage bins are attached to panels. Counterbalancing loads on the opposite sides of the panels increases stability.
Tip: See Stability Guidelines *in each corresponding specification guide.*



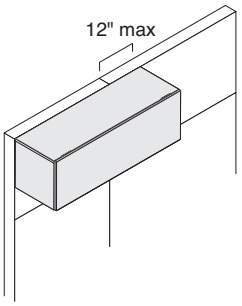
On-module attachment brackets install in panel seams.

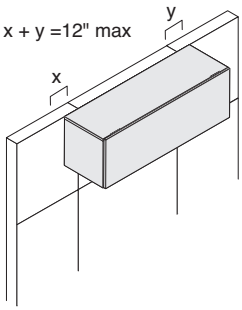
On-module brackets can be used above and adjacent to slatwall on Answer and Montage panels.

On-module brackets can be used with a panel stacker on Answer, Kick, and Montage panels. Follow standard panel stacker guidelines for each panel.

Off-module brackets are used with bins up to 12" larger than the panel, allowing them to overhang the panel seam.

Off-Module Brackets

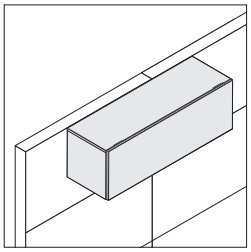




Vertical off-module brackets, optional, can be used to mount one or two sides of the overhead bin off-module on Answer, Kick, Avenir, and Montage with vertical-slot-patterned panels. Both of these brackets attach to the on-module bracket that comes standard with the overhead bin. Vertical off-module brackets allow bins to be installed a maximum of 12" off-module. Vertical off-module brackets can be used with 30"W to 60"W Montage bins only.

Vertical off-module brackets can be used above and adjacent to slatwall on Answer and Montage panels.

Vertical off-module brackets can be used with a panel stacker on Answer, Kick, and Montage panels. Follow standard panel stacker guidelines for each panel.



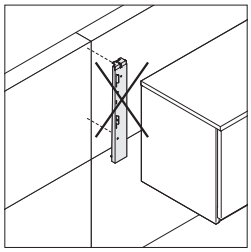
Horizontal off-module brackets, optional, accommodate off-module installations of overhead storage bins on panels with horizontal slot patterns. Enhanced off-module Montage frames can support horizontal off-module brackets. Horizontal off-module brackets can be used with 24"W to 48"W Montage bins only.

Horizontal off-module brackets can be used above and adjacent to slatwall on Montage panels.

Horizontal off-module brackets can be used with a panel stacker on Montage panels. Follow standard panel stacker guidelines for each panel.

Enhanced off-module Montage frames have horizontal slot patterns and must be specified for horizontal off-module Montage configurations.

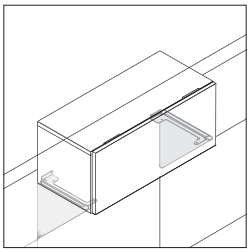
Horizontal off-module brackets push bin out from panel 5/8" on enhanced off-module Montage panels.



Horizontal off-module brackets cannot span a vertical or joint where two frames come together on enhanced off-module Montage panels. Shift the bin to avoid the joint.

Only two pairs of off-module brackets and associated storage can be mounted per frame.

Upmount Brackets



Upmount brackets, optional, can be used with Universal sliding door, Universal over the case, and Universal in the case bins. Brackets attach bins near the top of 54"H panels. TS 200 Series bins and Universal shelves cannot be attached to upmount brackets.

Upmount bin width must match the width of the panel or panels that it attaches to. Upmounted bins and shelves cannot be supported off-module.

Omit Brackets

Omit brackets option must be specified when bin is used in hutch kit or when attaching bin to a horizontal wall attachment bracket. Order hutch kit separately.

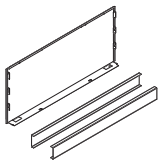
Hutch kit supports bin at 66" height.

Accessories

Horizontal Wall Attachment Brackets

For Use with Universal Sliding Door, Universal Over the Case, and Universal In the Case Bins

Introduced in March 2007

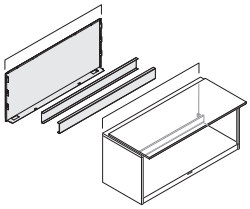


Horizontal wall attachment brackets can attach to wall of building to accept Universal Sliding Door, Universal Over the Case, and Universal In the Case storage bins. Brackets will not accept bins introduced prior to March 2007 or TS 200 Series bins.

▶Specifying, page 228

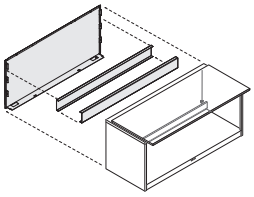
Tip: Specify as a separate style number.

Product Details



Horizontal wall attachment brackets must match the width of the storage bin.

Tip: Select the omit brackets option when ordering the bin.

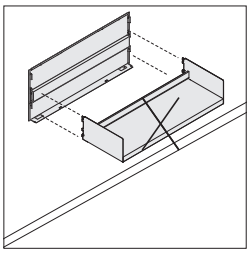


Horizontal wall attachment brackets include brackets and a steel back to enclose the storage bin.

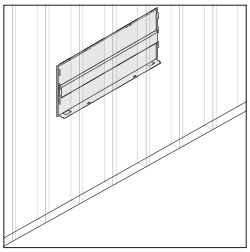
Horizontal wall attachment brackets can be positioned on wall at height needed.

Connections

Horizontal wall attachment brackets can be used to attach Universal Sliding Door, Universal over the case, and Universal in the case bins to a building wall. TS 200 Series cannot attach to horizontal wall attachment brackets.



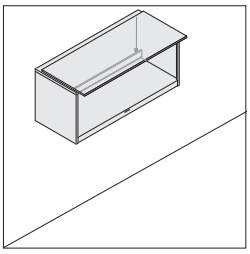
Shelves can not hang off horizontal wall attachment brackets.



Mounting of horizontal wall attachment brackets must include attachment to at least two wall studs, but it is recommended to attach to all studs in wall behind the storage bin. Storage bins that are 24"W or 25"W can only be mounted with horizontal wall attachment brackets if wall is constructed with 16" stud centers.

Field install:

- Concrete walls with Hilti type anchors.
- Drywall or plywood with $\frac{5}{8}$" thick Toggler R-type $\frac{3}{16}$" wall anchors with countersunk flat head screw.
- Wood studs with #10 wood screws of appropriate length with countersunk flat head screw.
- Steel studs with #10 sheet metal screws of appropriate length with countersunk flat head screw.



Limit of one bin for each horizontal wall attachment bracket.

Attaching worksurfaces to horizontal wall attachment brackets is not possible.

Horizontal wall attachment brackets allow overhead storage bin to fit flush to wall.

Actual Dimensions

Width 24", 30", 36", 42", 48", 60", and 72".

Surface Materials

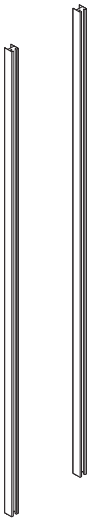
Brackets and steel back

- Paint

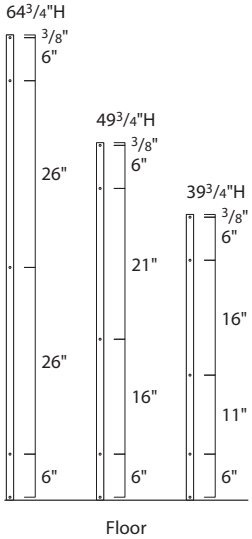
Accessories

Wall Channels
For Use with Overhead Storage

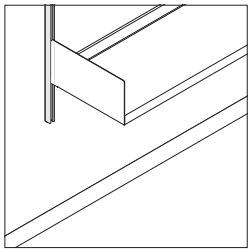
Slotted steel channel accepts shelves, overhead storage bins, worksurfaces, or tackboards. Channel will accept all Universal bins and shelves, TS 200 Series bins, and bins and shelves introduced prior to March 2007.
▶Specifying, page 228



Screw hole positions



Product Details



Wall channel can be positioned on wall at varying heights.

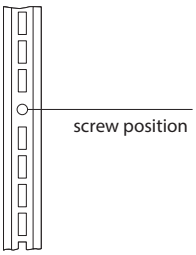
Order wall channel height according to its intended use. Cutting wall channels is not recommended.

Connections

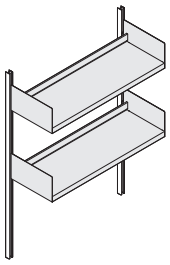
Wall channels can be used to support shelves, storage bins, worksurfaces, and tackboards.

Field install on:
- Concrete walls: Hilti type anchors
- Drywall or plywood: 5/8" thick Toggler type 3/16" wall anchor
- Steel and wood studs: #10 sheet metal or wood screws of appropriate length

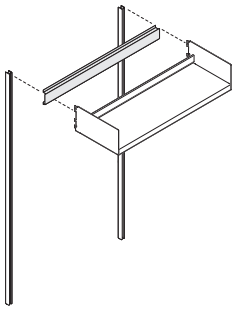
Anchors must be used on each screw hole location of the wall channel.



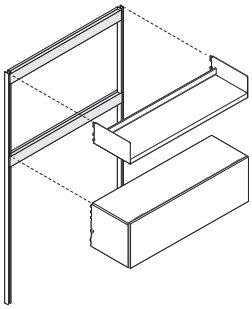
Components attach at 1" increments, but screws block some slot locations.



Component limits for each pair of wall channels are as follows:
- Two bins or shelves
- One worksurface and two shelves
- One worksurface and one bin



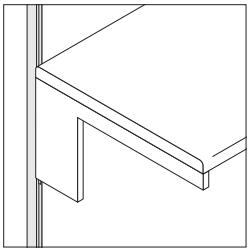
Horizontal brace is available to reinforce vertical wall channels that support storage bins, shelves, or worksurfaces that are attached to walls. Bins and shelves that are 48"W or less do not require a horizontal brace. All worksurfaces require horizontal braces.
▶Page 229



Wall channel horizontal brace is required for each storage bin or shelf that is wider than 48". The brace should be positioned at the top location of each bin or shelf on the vertical wall channel.

Width of horizontal brace must match width of shelf of storage bin.

Wall channel horizontal brace is also available in 42" and 48" widths and can be used in applications where there is concern regarding the strength of the wall. These braces must also be used with wall-mounted worksurfaces.



Worksurfaces may be attached to wall channels with L-shaped cantilevers, subject to the following application guidelines:
- All worksurfaces must be 24"D or less
- Worksurfaces must be supported by an L-shaped cantilever or legs every 42 or 48 inches. Cantilevers can be shared when worksurfaces are adjacent.
- Wall channel horizontal braces must be installed directly behind all wall-mounted worksurfaces, and also at the top of the wall channels.
- Triangular cantilevers and Avenir universal cantilevers may not be used.
- Worksurface-supported pedestals cannot be hung from a wall-mounted worksurface.

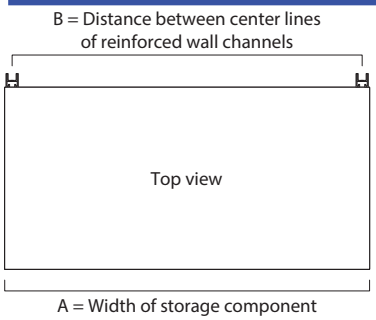
Surface Materials

Wall channel
- Paint

Wall channel horizontal brace
- Paint

Tip: Horizontal brace will be visible until hidden by contents of shelf or storage bin.

Application Topics



A	B	A	B
23¾"	22 15/16"	41¾"	40 15/16"
29¾"	28 15/16"	47¾"	46 15/16"
35¾"	34 15/16"		

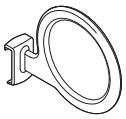
Actual Dimensions

Depth	1 1/8"
Width	15/16"
Height	39¾", 49¾", or 64¾"

Accessories

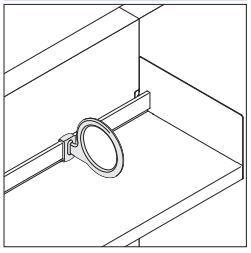
For Overhead Bins and Shelves

Dividers



▶Specifying, page 229

Product Details



Divides space in panel-supported bins and Universal shelves. Dividers will not work in bins and shelves introduced prior to March 2007.

Divider can be used on hutch kit.

Specifying

A carton of four dividers is available as an option on overhead bins and Universal shelves.

Surface Materials

Divider

- White plastic only

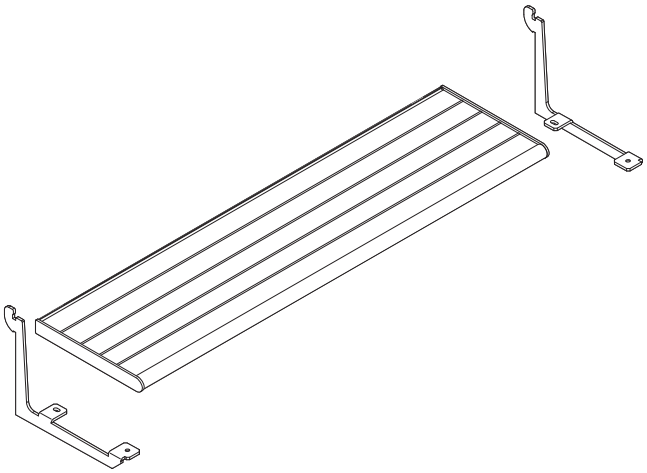
Actual Dimensions

Depth	7½"
Width	¼" 1½" at the back
Height	6½"

Slim Shelves

Slim shelves provide a panel-supported surface that attaches to Answer, Kick, Avenir, and Montage with panel-specific brackets.
▶Specifying, page 231

Slim shelf is an extruded aluminum shelf that provides storage for small items.

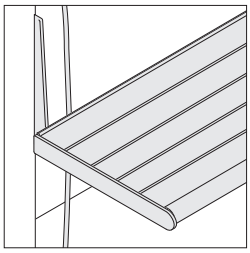


Actual Dimensions

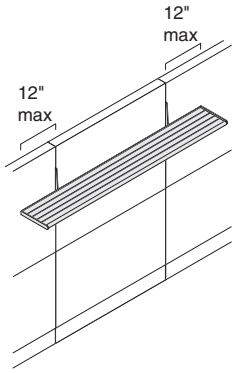
	Slim Shelves
Depth	6⅜"
Width	24", 30", 36", 42", 48", 60", 72", 96"

Product Details

Slim shelves attach to Answer, Kick, Avenir, and Montage with panel-specific brackets.



Gap at back of slim shelf allows routing of shelf light cord.



Slim shelves can be mounted off-module. No more than 12" overhang on either side of panel is recommended. Brackets attach on vertical seams of panel, while the shelf adjusts off-module on the brackets.

Two attachment brackets are included with shelves less than or equal to 48"W. Two attachment brackets and a mid-span support are included with shelves wider than 48"W.

Surface Materials

Slim shelves
- Paint

Attachment brackets
- Painted to match shelf

Storage Capacities

Pedestals with Avenir and 200 Series Pulls

Fixed

Worksurface-supported

Mobile

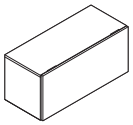
Tip: Drawer capacities for mobile pedestals are the same as the 24"D pedestal drawer capacities.

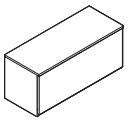
Box Drawers, 15"W x 6"H		**Inside Dimensions**		
		D	**W**	**H**
	24"D Pedestal (nominal)	$18\frac{23}{32}$"	$12\frac{3}{4}$"	$4\frac{7}{32}$"
	30"D Pedestal (nominal)	$24\frac{23}{32}$"	$12\frac{3}{4}$"	$4\frac{7}{32}$"

File Drawers, 15"W x 12"H	**Size**	**Inside Dimensions**			**Letter-Size Storage**		**Legal-Size Storage**	**Letter- and Legal-Size Storage**
		D	**W**	**H**				
	24"D Pedestal (nominal)	$18\frac{1}{4}$"	$12\frac{1}{16}$"	$9\frac{3}{8}$"	$18\frac{1}{4}$"	$12\frac{1}{8}$"+ $5\frac{1}{4}$"	$12\frac{1}{16}$"	$2\frac{1}{4}$" letter and $12\frac{1}{16}$" legal
	30"D Pedestal (nominal)	$24\frac{1}{4}$"	$12\frac{1}{16}$"	$9\frac{3}{8}$"	$24\frac{1}{2}$"	$12\frac{1}{8}$"+ $11\frac{1}{2}$"		$8\frac{1}{2}$" letter and $12\frac{1}{16}$" legal

Steelcase
February 2024

Overhead Bins and Shelves

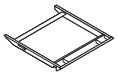
Universal Over the Case Bins	Size	Inside Dimensions D	W	H
	24"W bin	13 3/8"	23 13/16"	13 11/16"
	25"W bin	13 3/8"	24 13/16"	13 11/16"
	30"W bin	13 3/8"	29 13/16"	13 11/16"
	35"W bin	13 3/8"	34 13/16"	13 11/16"
	36"W bin	13 3/8"	35 13/16"	13 11/16"
	42"W bin	13 3/8"	41 13/16"	13 11/16"
	45"W bin	13 3/8"	44 13/16"	13 11/16"
	48"W bin	13 3/8"	47 13/16"	13 11/16"
	60"W bin	13 3/8"	59 13/16"	13 11/16"
	70"W bin	13 3/8"	69 13/16"	13 11/16"
	72"W bin	13 3/8"	71 13/16"	13 11/16"

Universal In The Case Bins and Universal Sliding Door Bins	Size	Inside Dimensions D	W	H
	24"W bin	13 3/8"	23 13/16"	12 1/4"
	25"W bin	13 3/8"	24 13/16"	12 1/4"
	30"W bin	13 3/8"	29 13/16"	12 1/4"
	35"W bin	13 3/8"	34 13/16"	12 1/4"
	36"W bin	13 3/8"	35 13/16"	12 1/4"
	42"W bin	13 3/8"	41 13/16"	12 1/4"
	45"W bin	13 3/8"	44 13/16"	12 1/4"
	48"W bin	13 3/8"	47 13/16"	12 1/4"
	60"W bin	13 3/8"	59 13/16"	12 1/4"
	70"W bin	13 3/8"	69 13/16"	12 1/4"
	72"W bin	13 3/8"	71 13/16"	12 1/4"

Universal sliding door bin width dimensions is reduced by 3/4" due to center divider.

Universal Shelves For Avenir	Size	Inside Dimensions D	W	H
	24"W shelf	13 3/8"	23 13/16"	5 1/2"
	25"W shelf	13 3/8"	24 13/16"	5 1/2"
	30"W shelf	13 3/8"	29 13/16"	5 1/2"
	35"W shelf	13 3/8"	34 13/16"	5 1/2"
	36"W shelf	13 3/8"	35 13/16"	5 1/2"
	42"W shelf	13 3/8"	41 13/16"	5 1/2"
	45"W shelf	13 3/8"	44 13/16"	5 1/2"
	48"W shelf	13 3/8"	47 13/16"	5 1/2"
	60"W shelf	13 3/8"	59 13/16"	5 1/2"
	70"W shelf	13 3/8"	69 13/16"	5 1/2"
	72"W shelf	13 3/8"	71 13/16"	5 1/2"

Drawers

Steel Center Drawers	Size	Inside Dimensions D	W	H
	18⅛"D Drawer	14½"	19½"	2"
	23"D Drawer	19½"	19½"	2"

Understanding Lighting

Statement of Line and Comparison **116**

Product Details

Shelf Lights **118**

LED Shelf Lights **120**

LED Linear Shelf Lights **122**

Application Topics

Daisy Chaining **125**

Underwriters Laboratory (UL) and Canadian Standards Association (CSA) listed. These lights have been designed to meet all U.S. and Canadian national electrical and energy codes and most local building codes. Local electrical codes vary, so you should consult a qualified electrical contractor or engineer for proper installation of all electrical equipment.

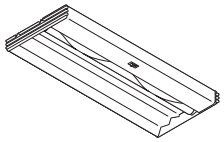
Statement of Line and Comparison

Shelf lights mount into the recessed bottom of storage shelves and bins to illuminate the worksurface. Three types of shelf lights are available to control the quality of light for specific applications. Each type is compatible with Steelcase systems furniture.

Shelf Lights

Storage-Mounted Lights

Standard Shelf Light

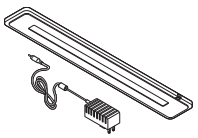
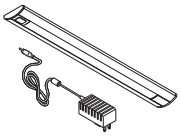


Mounting Options	• Universal mounting package (standard) • Flush mount • Competitive mounting package
	Understanding ▶ Page 118 Specifying ▶ Page 234
Depth	9¼"
Width	25", 37", or 49"
Lamp	• T8 Fluorescent
Watts/Lumens/Efficacy	25"W – 17 Watts/ 1343 Lumens/ 79 Efficacy 37"W – 25 Watts/ 2150 Lumens/ 86 Efficacy 49"W – 32 Watts/ 2899 Lumens/ 90.6 Efficacy
Color Temperature	3500K
Description	The right choice for the majority of people in today's workplace who switch frequently from task to task throughout the day.
Optics	Faceted, white reflector
	Contrast sleeve that can be manually rotated to vary light
Ballasts	• Electronic ballast • High power factor ballast
Electronic Dimmer	• Not available
Lens Options	• None
Average Rated Lamp Life	• 20,000 hours
Warranty	• Ballast—5 years • Fixture—12 years

Shelf lights offer end users added control and adjustability to place the proper amount of shelf lighting to create a holistic work setting. Ideally suited for recessed mount applications to bottom of bin or shelf.

LED Shelf Light

Storage-Mounted Lights

	LED Shelf Light	**LED Linear Shelf Lights**
		
Mounting	• Standard includes magnetic mount for steel bins and shelves. Optional fastener kit for wood shelves are available.	• Standard includes magnetic mount for steel bins and shelves. Each light length comes with set quantity of mounting brackets for both steel and wood applications.
	Understanding ▶ Page 120 Specifying ▶ Page 236	Understanding ▶ Page 122 Specifying ▶ Page 238
Depth	2½"	2"
Width	18"	17", 31", 44", or 58"
Number of LEDs	102 LEDs	17"W / 31"W / 44"W / 58"W 24 / 48 / 72 / 96 — Standard Output LEDs 47 / 94 / 141 / 188 — High Output LEDs
Watts/Lumens/Efficacy	9.6 Watts/ 522 Lumens/ 54 Efficacy	17"W / 31"W / 44"W / 58"W — Standard Output 7.8 / 17.6 / 25.9 / 33.6 — Watts 444 / 980 / 1412 / 1791 — Lumens 57 / 55.6 / 54.5 / 53.3 — Efficacy 17"W / 31"W / 44"W / 58"W — High Output 10.9 / 23.4 / 34.3 / 43.5 — Watts 744 / 1590 / 2290 / 2807 — Lumens 68 / 68 / 67 / 64.5 — Efficacy
Color Rendering Index	94	84
Color Temperature	3500K	3500K
Description	The most environmentally-friendly light in the portfolio. Consumes only 11 watts of power, contains no harmful metals (mercury), and has a useful life of over 50,000 hours. Ideally suited for recessed mount applications to bottom of bin or shelf.	With its low profile and available four widths, the LED linear light will fit in a variety of shelving and overhead storage applications. Beneficial features of this fixture include: energy efficient LEDs, continous dimming, automatic turn off after 10 hours, and optional occupancy sensor.
Finish Options	• Bottom surface clear anodized aluminum only. Plastic cover Arctic White (6009) or Black (6000).	• 4231 Arctic White body with Arctic White (6009) end caps or 0835 Black body with Black (6000) end caps.
Optics	• Polycarbonate matte film	• Polycarbonate matte film
Ballasts	• Energy saving low-voltage power supply	• Energy saving low-voltage power supply
Electronic Dimmer	• Standard on all lights	• Standard on all lights
Average Rated Lamp Life	• 50,000 hrs.	• 50,000 hrs.
Warranty	• Power supply - 5 years • Fixture - 12 years	• Power supply - 5 years • Fixture - 12 years

Shelf Lights
Standard

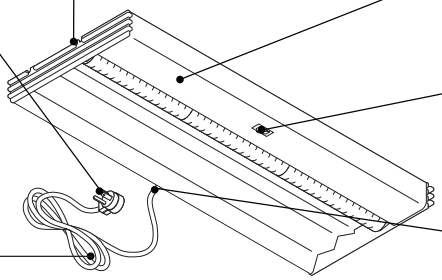
▶Specifying, page 234

End cap cord managers, molded into the durable plastic end caps, allow you to route and manage excess cord.

Housing is painted black. Optional paint colors are available.

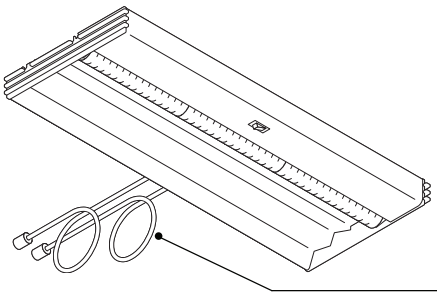
Plug is flat so it remains close to the receptacle.

On-off switch is centered on the front edge of the Standard shelf light.



9' cord with grounded plug is factory installed. Length is maximum allowed by U.S. National Electrical Code. Cord with circuit breaker is available to meet the requirements of the Chicago code.

Cord exits from the center of the back of the light for Standard shelf light.



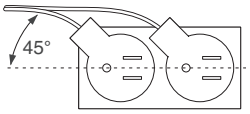
Daisy chain cords have modular connectors to link Standard shelf lights together.

Actual Dimensions

	Standard
Depth	9¼" (235 mm)
Width	24⅝", 36⅝", or 48⅝" (625 mm, 930 mm, or 1235 mm)
Height	1¾" (44 mm)

Product Details

Shelf light includes the lamp, ballast, and either a 9' cord with three-prong plug or daisy-chain cords.

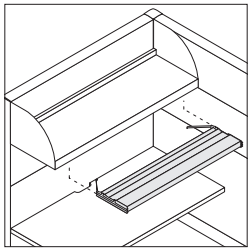


Plug configuration allows two Standard shelf lights to engage adjacent outlets in one receptacle.

Energy-saving T8 lamps have triphosphor coating for balanced color and pleasing light.

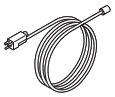
Connections

Shelf light mounts recessed or flush depending on design of overhead storage bin or shelf. Installation is done in the field.



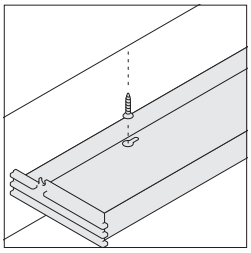
Universal bracket allows shelf light to be installed without tools under most metal overhead storage bins and shelves.

Specify LED shelf light for use under 24" wide bins. Standard and Bottomline 24" wide lights do not fit under 24" wide bins.



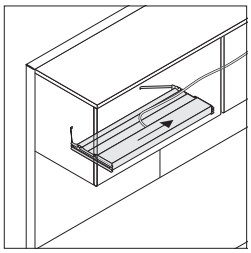
Daisy chain starter cord must be ordered separately when used with Standard shelf lights in a daisy chain application.

Width	Lamp width	Lamp wattage	Replacement lamps
24⅝"	24"	17 watts	F17T8-TL735
36⅝"	36"	25 watts	F25T8-TL735
48⅝"	48"	32 watts	F32T8-TL735



Keyhole slots in housing of fixture allow shelf light to be mounted beneath wood or laminate overhead storage bins and shelves using screws provided. Keyhole slots are also used to mount lights to overhead storage bins and shelves manufactured prior to August 1991.

Standard shelf competitive mounting package provides attachment hardware to mount Steelcase shelf lights on all major competitive furniture lines. Package includes screws and installation instructions.



Shelf light can be mounted anywhere from side to side beneath over-head storage bin or shelf. The cord length is the only limitation.

Wiring & Cabling

Power drawn is approximately ½ amp.

Daisy chaining permits interconnecting up to six Standard shelf lights from a single power outlet.
▶Page 125

Starter cord powers first light in a daisy chain and allows you to convert any daisy chain light for independent operation.

Electronic high-power-factor ballast that is roughly 45% more efficient than a normal-power-factor ballast is available on Standard.

Surface Materials

Housing
- Black paint (standard)
- Paint colors (option)

Reflector
- White

Cord
- Black plastic only

End cap cord manager
- Black plastic only

Photometric Data

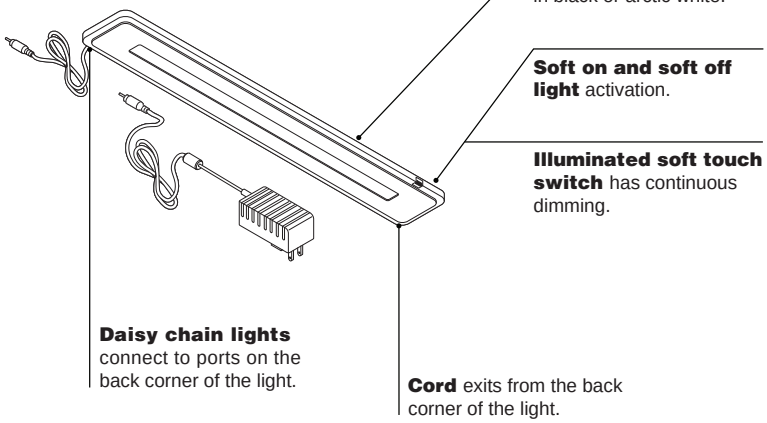
Standard
Initial horizontal footcandles for LSM24K
Worksurface rear

3"	88	85	78	67	55	42	31	22
6"	93	90	82	70	57	43	31	23
9"	91	88	81	69	56	41	30	21
12"	82	80	72	62	50	38	28	20
15"	69	67	61	53	43	33	24	18
18"	56	55	49	43	36	28	21	16
21"	41	40	37	32	27	22	17	13
24"	29	28	26	23	19	16	13	10
27"	19	19	18	16	14	12	10	8
30"	13	13	12	11	10	9	7	6
	CL	3"	6"	9"	12"	15"	18"	21"

Worksurface front

LED Shelf Lights

▶ Specifying, page 236



Actual Dimensions

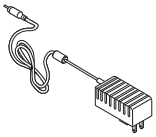
Depth	2⅝"
Width	18⅛"
Height	½"

Power Supply 18 Watt Cord
– 9' with two prong driver plug

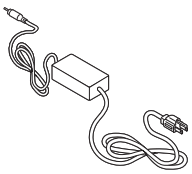
Power Supply 60 Watt Cord Set (11')
– Line voltage cord: 6'
– Low voltage cord: 5'

Product Details

Shelf light includes the lamp and power supply with cord set. Daisy chain primary light includes lamp and larger power supply to support up to three lights. Daisy chain secondary light includes lamp and daisy chain cord set.



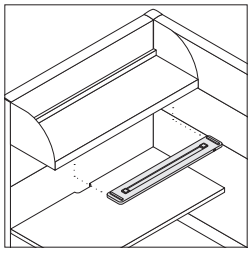
An 18 watt power supply, is used on the LED standard light; it is 9' long with a two prong driver plug.
Tip: Energy saving mini-LEDs greatly reduce power use.

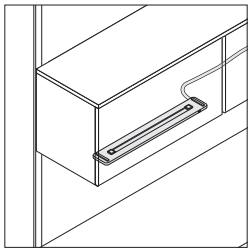


Power supply for LED daisy chain starter light uses an 11' 60 watt modular cord with standard two prong plug, an integrated low voltage cord, and a connector to attach to light.

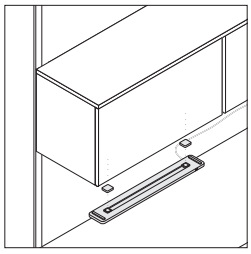
Connections

Shelf light mounts recessed or flush depending on design of overhead storage bin or shelf. Installation is done in the field.





Magnetic mounting allows shelf light to be installed without tools under most metal overhead storage bins and shelves. This mounting allows the light to be mounted to most competitive steel bins and shelves.



Optional fastener kit allows shelf light to be mounted to wood shelves.

Specify LED shelf light for use under 24" wide bins. Standard and Bottomline 24" wide lights do not fit under 24" wide bins.

Wiring & Cabling

Shelf light includes the lamp and power supply with cord set. Daisy chain starter light includes lamp and larger power supply to support up to three lights. Daisy chain secondary light includes lamp and daisy chain cord set.

Power supply for LED daisy chain starter light uses a 60 watt modular cord with standard two prong plug, an integrated low voltage cord, and a connector to attach to light. An 18 watt power supply is used on the LED standard light, it is 9' long with a two prong driver plug.
Tip: Daisy chain starter light comes with a 60 watt power supply to support up to three lights. Daisy chain secondary lights do not come with a power supply, but instead come with a daisy chain cord set.

Surface Materials

Housing
- 6000 Black
- 6009 Arctic White

Reflector
- Clear anodized aluminum only

Cord
- Black plastic only

Photometric Data

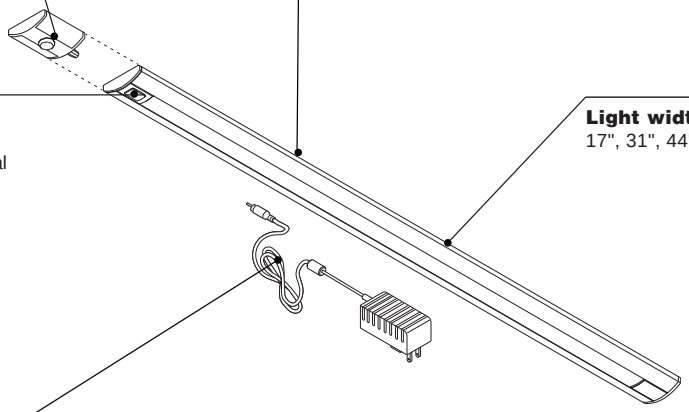
LED Shelf Light
Initial horizontal footcandles for LSL18
Worksurface rear

12"	16	22	29	36	42	47	48	46	40	34	27	20	15
9"	20	28	38	49	59	66	67	64	56	46	35	26	19
6"	24	35	48	62	76	85	87	83	72	58	44	31	22
3"	27	39	55	72	89	101	104	98	85	67	50	35	24
CL	28	41	57	76	94	107	111	104	89	70	52	36	25
3"	26	38	54	71	88	100	103	97	83	66	49	34	24
6"	23	33	50	60	73	83	85	80	69	55	41	30	20
9"	19	26	36	46	55	62	64	61	53	43	33	24	17
12"	15	20	25	32	38	42	44	41	37	30	24	18	13
	18"	15"	12"	9"	6"	3"	CL	3"	6"	9"	12"	15"	18"

Worksurface front

LED Linear Shelf Lights

A properly diffused light source under the linear head provides a softly blended light pattern that reduces eye strain.
▶ Specifying, pages 238–239



Optional occupancy sensor turns off after 30 minutes of no activity and will turn back on upon return.

Magnetic mounts and wood mount bracket hardware, both come standard with both LED light and optional occupancy sensor.

Single touch on/off pad plus touch and hold dimming for easy individual user control.

Continuous dimming from 100% to 15% with last state memory.

Light widths available in 17", 31", 44", and 58".

Cord exits from either end of the light.

Actual Dimensions

	Light	Occupancy Sensor
Depth	2"	2"
Width	17", 31", 44", or 58"	2 3/10"
Height	1/2"	7/10"

Product Details

LED linear stand alone and daisy chain starter lights include the lamp, power supply, and both magnetic mounts, and wood bracket hardware with adhesive cord managers.

LED linear daisy chain lights include the lamp, daisy chain cords, and both magnetic mounts, and wood mount bracket hardware with adhesive cord managers.

Optional occupancy sensor is a separate component that connects to the light fixture and activates in 30 minutes when no movement is detected to conserve energy. It will also turn back on upon return.

Average rated lamp life of LED linear shelf lights is 50,000 hours.

Color temperature of LEDs is 3500K.

Color rendering index of LEDs is 84.

Automatic turn off after 10 hours (+/– 15 mins.); standard with both models.

Connections

Lights mount recessed or flush depending on design of overhead storage bin or shelf. Installation is done in the field.

Magnet mounts allow shelf lights to be installed without tools under most metal overhead storage bins or shelves.

Wood mount brackets allow shelf lights to be mounted to wood shelves.

Light width	Number of LEDs in Standard Output/ High Output	System Wattage Standard Output/ High Output
17"	24 / 47	7.8 / 10.9
31"	48 / 94	17.6 / 23.4
44"	72 / 141	25.9 / 34.3
58"	96 / 188	33.6 / 43.5

Wiring & Cabling

Light is standard with single touch on/off and touch control dimming.

User adjustable touch and hold dimming pad includes continuous dimming range of 100% to 15%.

Power supply for 17" linear stand alone only uses a straight plug with a 9' 18 watt 24 volt wall transformer.

Power supply for 31", 44", 58", or 17" starter light; 60 watt compact in-line brick straight plug. The cord is 11', 6' from power supply to power outlet and 5' from power supply to fixture.
Tip: Daisy chain starter light comes with a 60 watt power supply to support up to a limited number of lights – refer to chart for daisy chaining fixtures. Daisy chain secondary lights do not come with a power supply, but instead come with two daisy chain jumper cords, one 8" and one 30" set.
▶Page 124

Surface Materials

Housing
- 4321 Arctic White
- 0835 Black

Cord
- Black plastic only

Photometric Data

Measured from 18" above worksurface

17"W Standard Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	11	19	28	33	28	19	11
6"	15	30	50	60	50	30	15
CL	17	36	62	76	62	36	17
6"	15	30	50	60	50	30	15
12"	11	19	28	33	28	19	11

Worksurface rear / Worksurface front

17"W High Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	17	31	46	54	46	31	17
6"	26	51	83	100	83	51	26
CL	30	62	107	130	107	62	30
6"	26	51	83	100	83	51	26
12"	17	31	46	54	46	31	17

Worksurface rear / Worksurface front

31"W Standard Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	28	43	55	59	55	43	28
6"	44	73	96	104	96	73	44
CL	53	91	121	131	121	91	53
6"	44	73	96	104	96	73	44
12"	28	43	55	59	55	43	28

Worksurface rear / Worksurface front

31"W High Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	46	71	90	97	90	71	46
6"	73	121	158	171	158	121	73
CL	87	149	198	213	198	149	87
6"	73	121	158	171	158	121	73
12"	46	71	90	97	90	71	46

Worksurface rear / Worksurface front

44"W Standard Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	48	61	69	71	69	61	48
6"	80	104	116	119	116	104	80
CL	99	129	144	148	144	129	99
6"	80	104	116	119	116	104	80
12"	48	61	69	71	69	61	48

Worksurface rear / Worksurface front

44"W High Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	78	99	112	116	112	99	78
6"	131	170	190	196	190	170	131
CL	160	211	235	244	235	211	160
6"	131	170	190	196	190	170	131
12"	78	99	112	116	112	99	78

Worksurface rear / Worksurface front

58"W Standard Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	63	70	74	74	74	70	63
6"	106	117	122	123	122	117	106
CL	131	145	150	151	150	145	131
6"	106	117	122	123	122	117	106
12"	63	70	74	74	74	70	63

Worksurface rear / Worksurface front

58"W High Output Linear Shelf Light

	18"	12"	6"	CL	6"	12"	18"
12"	100	112	119	121	119	112	100
6"	169	188	198	200	198	188	169
CL	210	232	242	245	242	232	210
6"	169	118	198	200	198	188	169
12"	100	112	119	121	119	112	100

Worksurface rear / Worksurface front

Chart for Daisy Chaining Fixtures

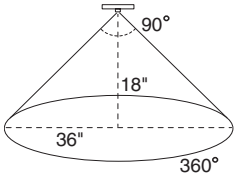
Standard Output Linear Shelf Light											
Light fixture widths	**Maximum number of fixtures allowed with daisy chain starter light**										
17"	6	4	3	2	2	1	1	-	-	-	-
31"	-	1	-	2	-	2	1	3	1	1	-
44"	-	-	1	-	-	-	1	-	1	-	2
58"	-	-	-	-	1	-	-	-	-	1	-

High Output Linear Shelf Light				
Light fixture widths	**Maximum number of fixtures allowed with daisy chain starter light**			
17"	4	2	1	-
31"	-	1	-	2
44"	-	-	1	-

- A 60 watt power supply is required for daisy chaining.
- Total system wattage of all fixtures together cannot meet or exceed 60 watts, see chart.
- Cannot daisy chain standard output and high output together.
- Cannot daisy chain 58" high output fixtures.
- Occupancy sensor must be positioned between the power supply and the first starter fixture.
- Only need one sensor when daisy chaining.

Tip: Each column is the maximum number of fixtures that can be daisy chained together.

Occupancy Sensor



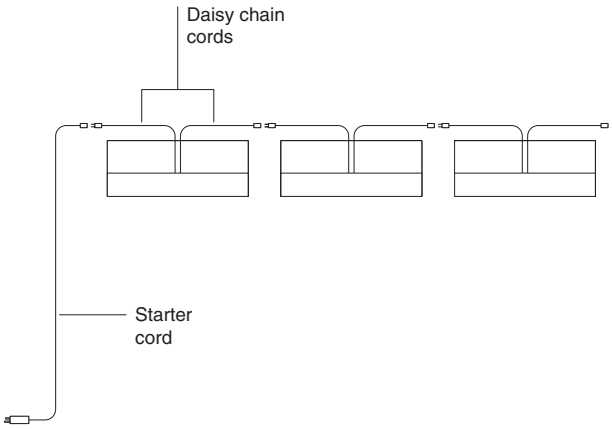
- Turns off after 30 minutes of no activity and will turn back on upon return
- 360° lens view
- 90° outward detection angle
- 30" diameter coverage if mounted 15" above worksurface
- 36" diameter coverage if mounted 18" above worksurface
- Connects to fixture with one end-to-end connector. 8" or 30" jumper cords

Daisy Chaining

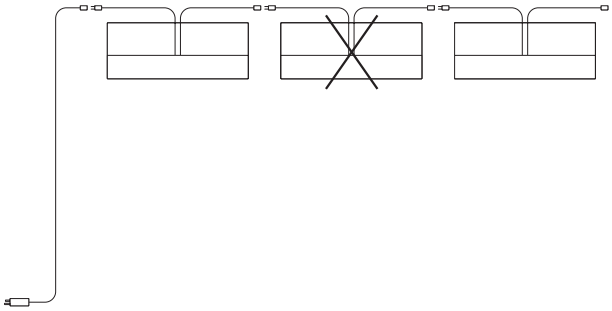
For Standard Lights

Daisy chaining shelf lights together extends power from one fixture to another within workstations to help keep receptacles clear for other uses.

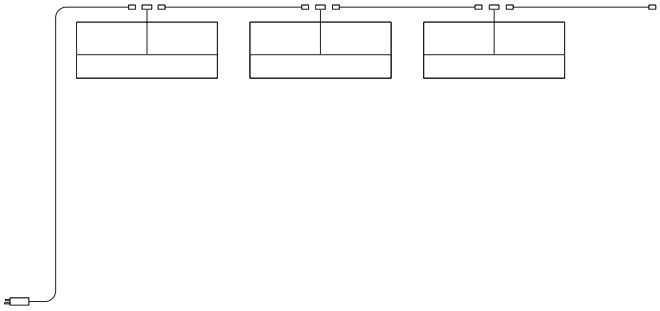
For Standard shelf lights, starter cord is required with daisy chain cords to bring power to the first shelf light in a daisy chain so there's no need to designate where each fixture will be used within the chain.



Power will not be interrupted in a chain even if one of the shelf lights is turned off or its lamp has burned out. That's because the path of power through the chain doesn't pass through the lamps or switches.



Additions to a chain are possible at any time by adding a jumper cord.



Tip: Daisy chaining is not allowed in Chicago. Local electrical codes vary, so you should consult a qualified electrical contractor or engineer for proper installation of all electrical equipment.

Tip: Overhead cabinets and shelves provide a recessed area for shelf lights. They are not designed to conceal cords when daisy chaining.

Tip: When using upmount brackets with overhead storage and daisy chaining lights, use the open design upmount bracket for better cord management.

Understanding Wiring and Cabling

Statement of Line 128

Wiring and Cabling Product Details

Wiring and Cabling: Interface 130
Wiring and Cabling: Distribution 132
Wiring and Cabling: Access and Storage 134

Application Topics

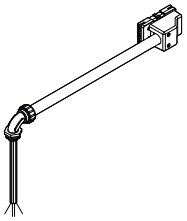
Power Components Transition Details 136
Steps to Plan an Electrical Network 140
Circuit Specifications 141
How to Calculate Power Needs 142
Special Requirements for Chicago 143
Special Requirements for New York City 144
Special Requirements for Los Angeles 145
Understanding Building Wiring 146
Cable Capacities 148

All Steelcase electrical systems are designed in compliance with the National Electrical Code (NEC) to function as a multiwire branch circuit. Installations should be made in accordance with the NEC provisions for multiwire branch circuits.

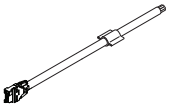
Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper installation of electrical equipment.

Statement of Line

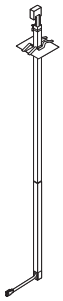
Wiring and Cabling



Base Power-In
Understanding
▶ Page 34
Specifying
▶ Page 179

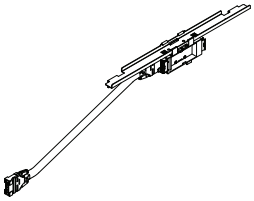


End Power-Ins
Understanding
▶ Page 34
Specifying
▶ Page 180

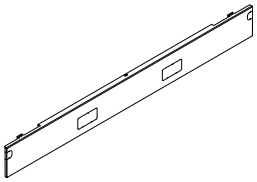


2" x 2" Power Pole
Understanding
▶ Page 36
Specifying
▶ Page 181

2" x 2" Cable Pole
Understanding
▶ Page 36
Specifying
▶ Page 182



Powerway
Understanding
▶ Page 38
Specifying
▶ Page 183



Base Cover
Understanding
▶ Page 40
(Factory-installed on panel)

Corner Wire Cover
Understanding
▶ Page 133
Specifying
▶ Page 184

Cable Grommets
Understanding
▶ Page 41
Specifying
▶ Page 185

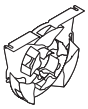
Panel-Base End Filler
Specifying
▶ Page 185

Wire Separator
Understanding
▶ Page 133
(Factory-installed on panel)

Filler
Understanding
▶ Page 28
Specifying
▶ Page 172

Receptacle
Understanding
▶ Page 40
Specifying
▶ Page 186

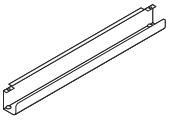
Panel-Supported Receptacle
Understanding
▶ Page 134
Specifying
▶ Page 187



Cable and Fiber Reel
Understanding
▶ Page 79
Specifying
▶ Page 200

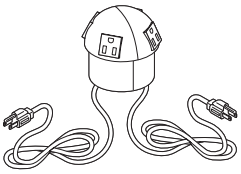
Termination Plate
Understanding
▶ Page 80
Specifying
▶ Page 200

Cord Reel
Understanding
▶ Page 135
Specifying
▶ Page 200

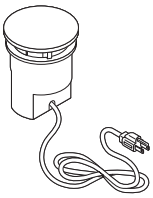


Cable Storage Tray
Understanding
▶ Page 135
Specifying
▶ Page 201

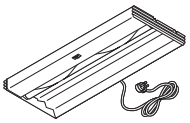
Wire Guide Clips
Understanding
▶ Page 135
Specifying
▶ Page 201



Power Sphere
Understanding
▶ Page 77
Specifying
▶ Page 201



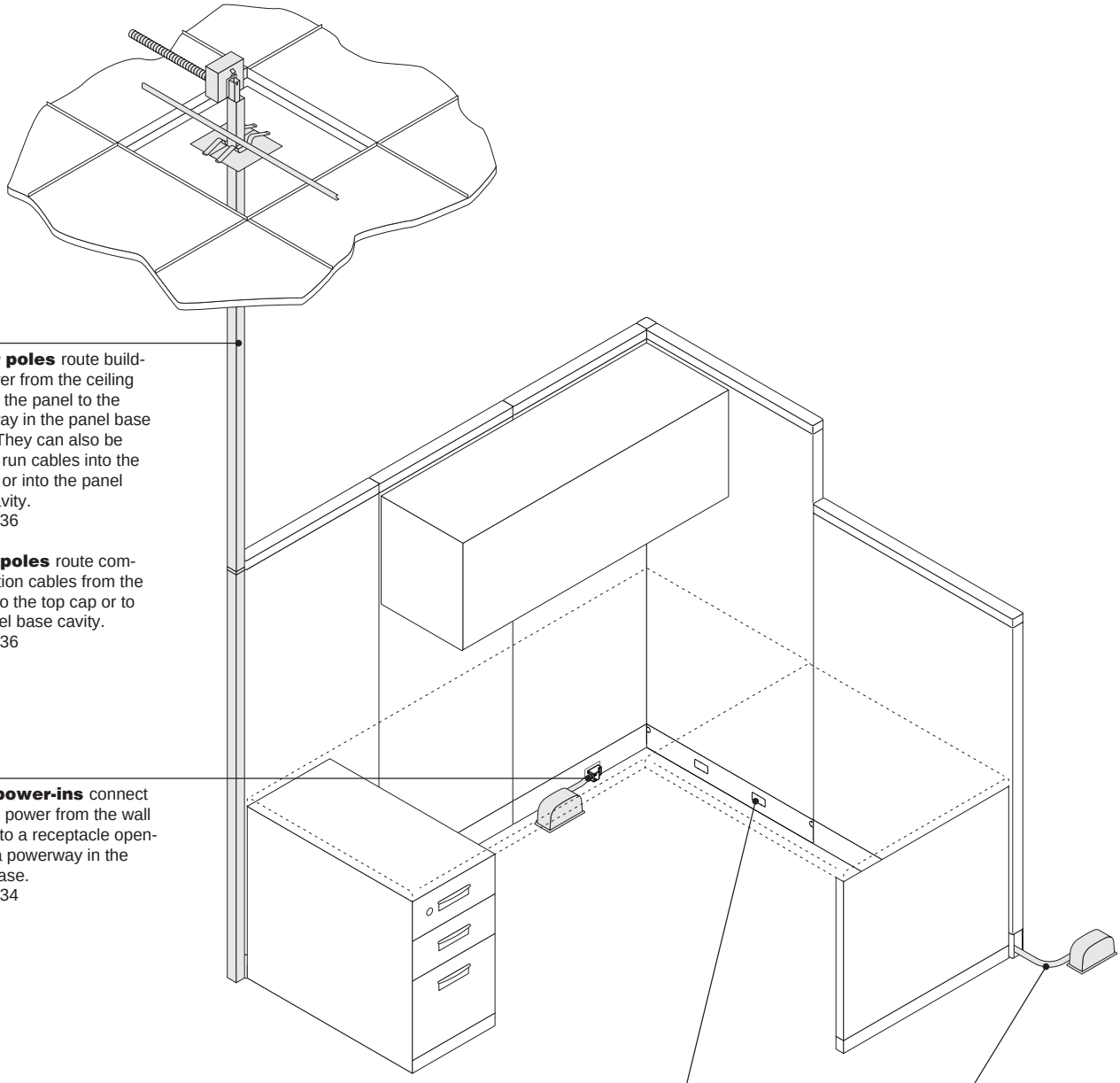
Round Power and Communication Port
Understanding
▶ Page 77
Specifying
▶ Page 202



Shelf Lights
Understanding
▶ Page 118
Specifying
▶ Page 234

Wiring and Cabling: Interface

Interface refers to the point at which the utilities (electrical and cables) for your panel installation connect with the building's power and communications.



Power poles route building power from the ceiling through the panel to the powerway in the panel base cavity. They can also be used to run cables into the top cap or into the panel base cavity.
▶Page 36

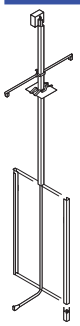
Cable poles route communication cables from the ceiling to the top cap or to the panel base cavity.
▶Page 36

Base power-ins connect building power from the wall or floor to a receptacle opening on a powerway in the panel base.
▶Page 34

Cable grommets are available to bring cables into the panel base from the floor. Cables can also enter the panel base at the end of a panel.

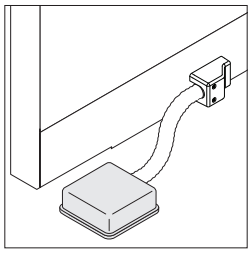
End power-ins connect building power from the wall or floor to the end of a panel.
▶Page 34

Product Details

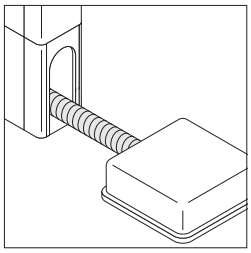


2" x 2" power pole is equipped with one electrical harness. The pole has an inner sleeve that separates power from communication cables.

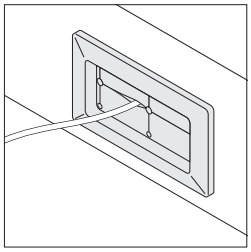
Power pole circuit can be specified as 3-circuit or 4-circuit models.



Base power-ins supply building power to a panel run by connecting to the powerway at a receptacle location.



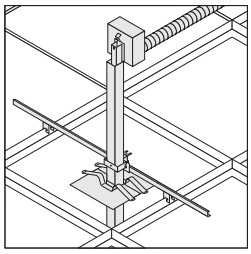
End-entry power-ins connect a modular connection at the end of the powerway, without taking up a receptacle opening. They are available in 3-circuit and 4-circuit models.
▶Page 34



Cable grommets can be used to route cables from a floor source to the panel base cavity.

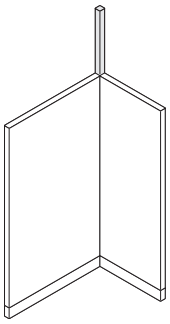
Connections

Power or cable poles can attach at the end of a panel run, or at an L-, T-, or X-junction. A pole must be specified to match the height of the panel it is attached to.
▶Page 36

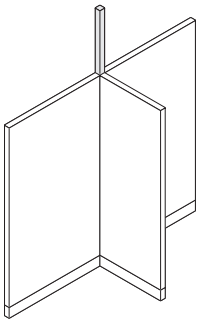


Ceiling attachment kit secures the power pole or cable pole to the suspended ceiling grid. Junction box at the top of a power pole can be hardwired to building power.

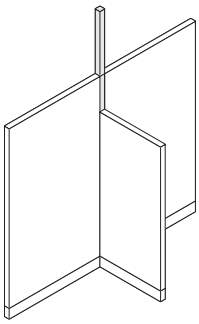
Ceiling heights up to 10' 4" can be accommodated by a power or cable pole. The ceiling attachment kit adjusts for lower ceilings.



L-junction allows the power or cable pole to attach to either panel.



T-junction allows the power or cable pole to attach to, and run power into, the center panel.



Panels of different heights at a junction require a varying height connector package (PAB2) to attach to either type of pole. Change-of-height end trim cannot be used.

Application Topics

Some locations have electrical codes that vary from the national code and impose special requirements.
▶Pages 143–145

Steps to Plan an Electrical Network
▶Page 140

Understanding Building Wiring
▶Page 146

▶Avenir Cable-Management Guide
Form number S270.

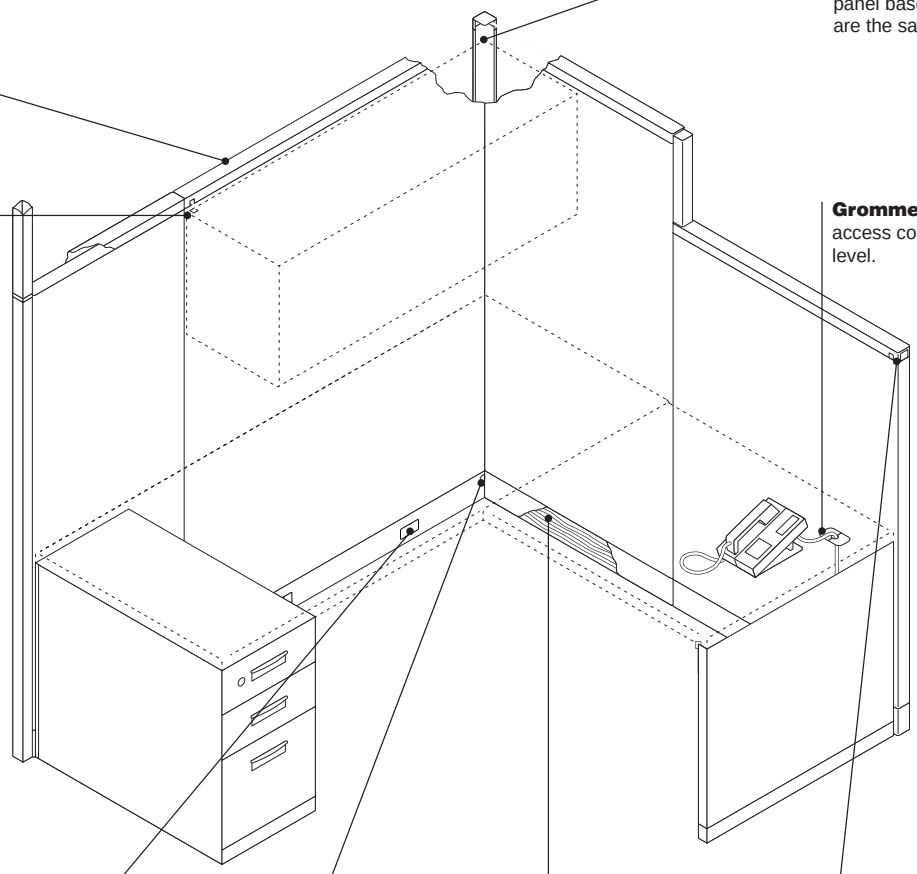
▶TechnoLogical Binder
Form number S2402.

Wiring and Cabling: Distribution

Distribution refers to how the power and cables get from one place to another through the panel and worksurface components.

Top caps accommodate lay-in cable routing within a workstation or cluster.

Grommets allow cords and cables to be routed from a panel top cap through an overhead storage bin to the worksurface.



Fillers create a vertical channel for routing cables between the top cap and panel base on panels that are the same height.

Grommets permit you to access cords at worksurface level.

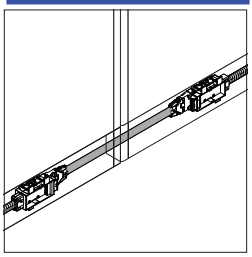
Cable grommets allow the cables to be routed from the panel base to the worksurface.

Communication cord knockouts permit communication cables to run between the worksurface and a panel base.

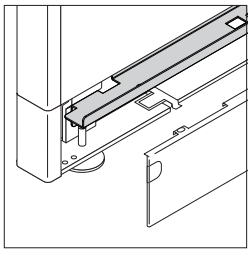
Panel base cavity conceals powerways. The base cavity can also be used to route and conceal cables.

Cable knockouts permit cables to exit the top cap.

Product Details

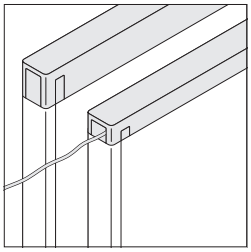


Powerways, within the panel base cavities, connect to route power through a cluster of workstations and provide terminals for receptacles or base power-ins.
▶Pages 38

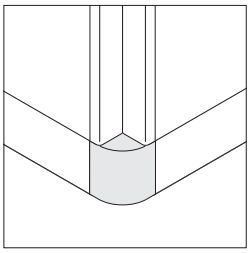


Wire separator are included with panel that have a powerway. Wire separator can be specified for a panel without a powerway. A wire separator provides a separate, isolated space for routing data and telecommunication cables. It also serves as a metallic barrier between low-voltage communication wires and 120-volt electricity.

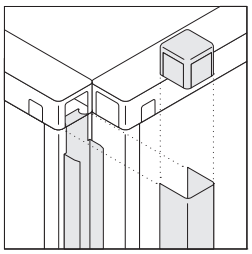
Wire separators manufactured after June 19, 2023 can be added to Avenir panels manufactured before June 19, 2023.



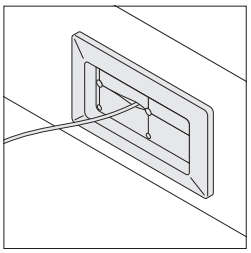
Medium steel top caps create a space for routing cables from panel to panel, and include cable knockouts to let cables in or out.
▶Page 20



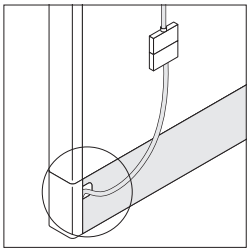
Corner wire covers conceal cables and powerways in the panel base cavity at L- and T-connections.



Fillers conceal cables running vertically and aesthetically fill in the space at L-, T-, and X-connections.
▶Page 28

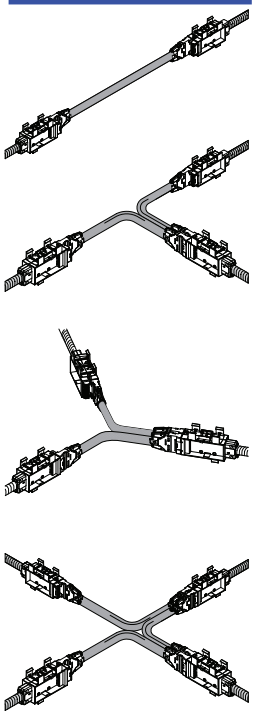


Cable grommets can be inserted in duplex-size receptacle openings to route cables from the panel base to the worksurface.



Communication cord knockouts allow cables to pass from the panel base to the worksurface.

Connections



Powered panels may be joined to form straight line, L-, T-, Y-, or X-configurations. Some panel connections can affect how power flows or cables are routed from panel to panel.
▶Page 38

18"W panels do not have receptacles, but power and cabling can pass through them. For a pass-through harness in 18"W panels, contact Specials.

Application Topics

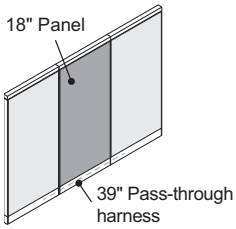
Power Components Transition Details
▶Page 136

Steps to Plan an Electrical Network
▶Page 140

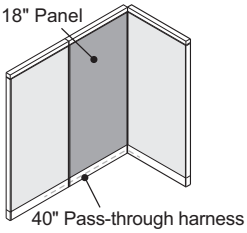
Circuit Specifications
▶Page 141

Cable Capacities
▶Page 148

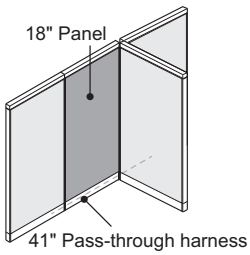
When power needs to route through an 18"W panel segment, obtain a pass-through harness from service parts. Follow the directions below to determine which pass-through length is needed for your intended application.

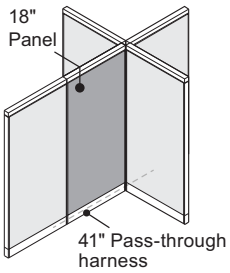


For in-line applications, use the 39" pass-through harness.



For L applications or when turning a corner in a T or X application, use the 40" pass-through harness.



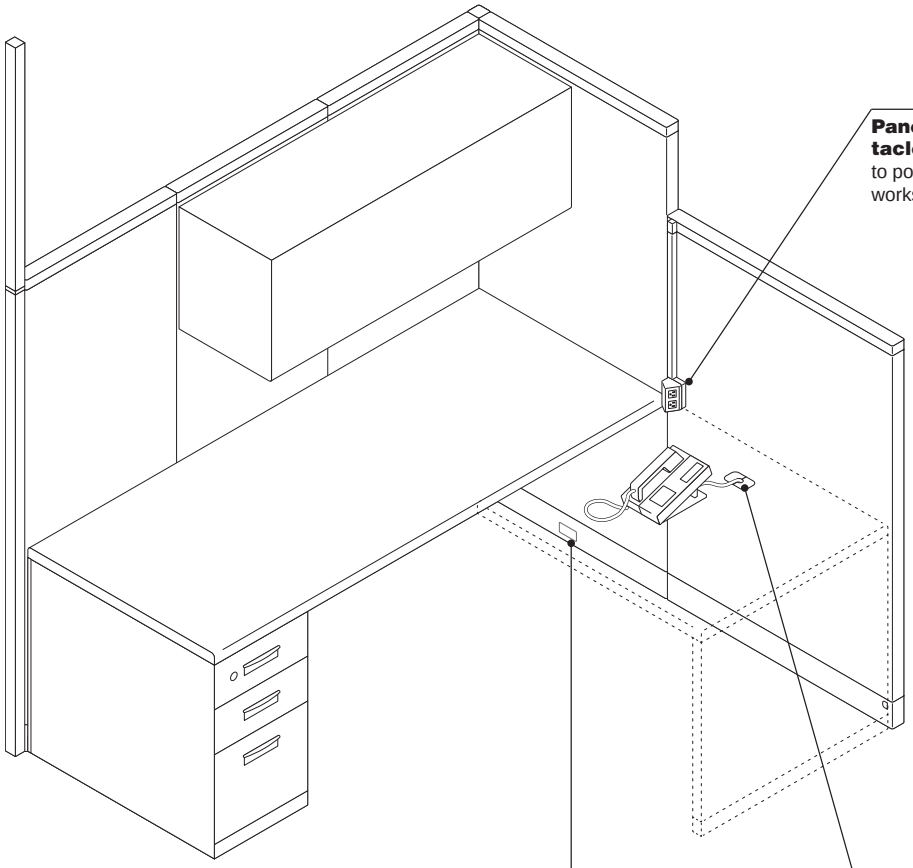


For passing straight through a T or X application, use the 41" pass-through harness.

Wiring and Cabling: Access and Storage

Access refers to the points at which you'll place electrical outlets so people can plug in equipment. Access also includes the links between communication and computer networks.

Storage refers to the ways in which you manage excess lengths of cords and cables.

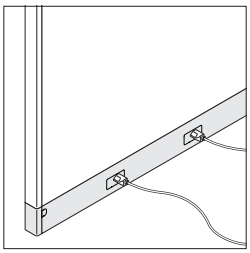


Panel-supported receptacles provide access to power at or near the worksurface.

Receptacles, in the panel base cover, provide power at floor level.
▶ Page 40

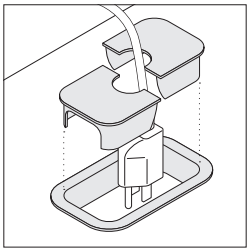
Grommets allow cords and cables to pass through the worksurface.

Product Details

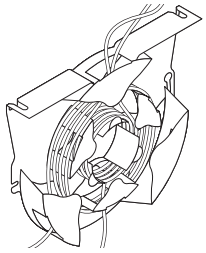


Receptacles are installed in the panel base. Each 30"W or wider powered panel has four receptacle openings, accepting up to eight outlets (four per side).

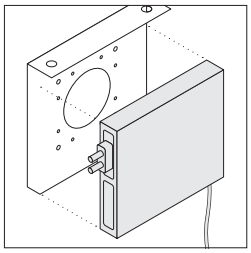
18"W panels accommodate pass-through powerways only, so their base covers do not have receptacle openings.



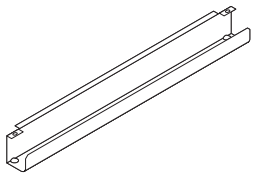
Grommets in standard worksurfaces have removable covers to admit three-prong plugs. They can be specified in a range of locations to avoid conflict with center drawers and pedestals.
▶Page 72



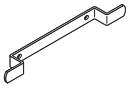
Cable and fiber reel stores lengths of excess fiber-optic cable or conventional cables.
▶Page 79



Termination plate accommodates the oversized junction boxes used for installation of fiber-optic cables.
▶Page 80



Cable storage trays assist with horizontal routing and conceal large quantities of cords and cables under a worksurface.



Cord reel takes up excess cord or cable under the worksurface.

Wire guide clip has an adhesive back to allow it to stick to painted metal components under a worksurface for routing and managing cords.

Application Topics

Steps to Plan an Electrical Network
▶Page 140

Chicago, San Francisco, and Los Angeles have special requirements.
▶Pages 143–145

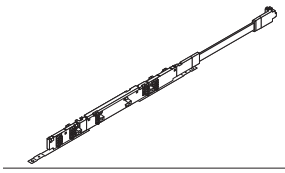
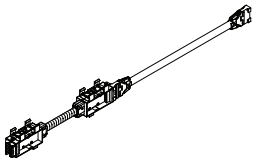
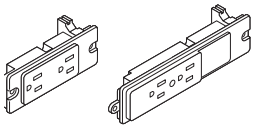
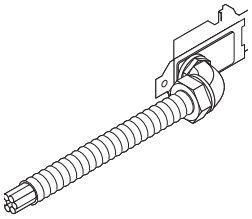
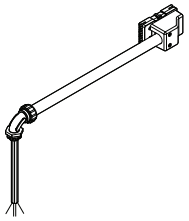
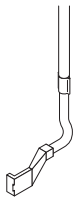
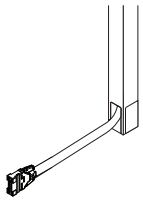
Power Components Transition Details

On June 19, 2023, Avenir power components changed design. Power components manufactured before June 19, 2023 are not compatiable with power components manufactured after June 19, 2023.

The style numbers of power component have changed. The panel style numbers have not changed. Any panel segment ordered with power after June 19, 2023 will include the new power component design.

How power is specified remains unchanged. Power can be optioned on to the panel segment. Powerways can be specified as installed in the factory or installed in the field.

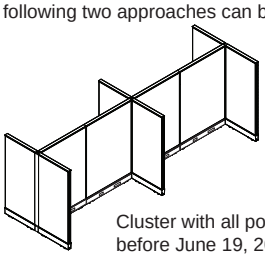
Components included in the design change are powerways, receptacles, base power-ins, and the harness included in the power pole.

Power before June 19, 2023	Power after June 19, 2023
Powerways	
	
Receptacles	
 Standard Larger	
Base Power-Ins	
	
Power Harness in Power Pole	
	

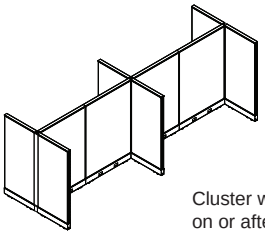
Difference between power components		
What is Different	**Power before June 19, 2023**	**Power after June 19, 2023**
Connector flag/harness	Mesh connector flag is not removable from the powerway.	Mesh connector flag is removable from the powerway.
Power access in 24" and 30" wide panel segments	24"W and 30"W base covers have a standard-size opening on one side of the panel and larger size opening on the reverse side.	24"W and 30"W base covers have standard-size openings on both sides of the panel.
Receptacle size	Receptacles were available in two sizes– standard and larger.	All receptacles are standard size.
Receptacle cutout locations on base covers	Receptacle location differs before and after June 19, 2023. See details under *Receptacle Location Change*. Page 139	Receptacle location differs before and after June 19, 2023. See details under *Receptacle Location Change*. Page 139
Base power-in	Connection at receptacle location does not include an aesthetic cover.	Connection at receptacle location includes an aesthetic cover.
Receptacle connection to powerway	Receptacle connect to powerway with screws.	Receptacle snaps into the powerway without any screws.
Wiring schematics	All five wiring schematics available. Color-coding and keying have changed.	All five wiring schematics available. Color coding and keying have changed.

Planning with power components manufactured before and after June 19, 2023.

Power components manufactured before June 19, 2023 can still be used but do not connect to power components manufactured on or after June 19, 2023. The following two approaches can be used when both power systems are used:

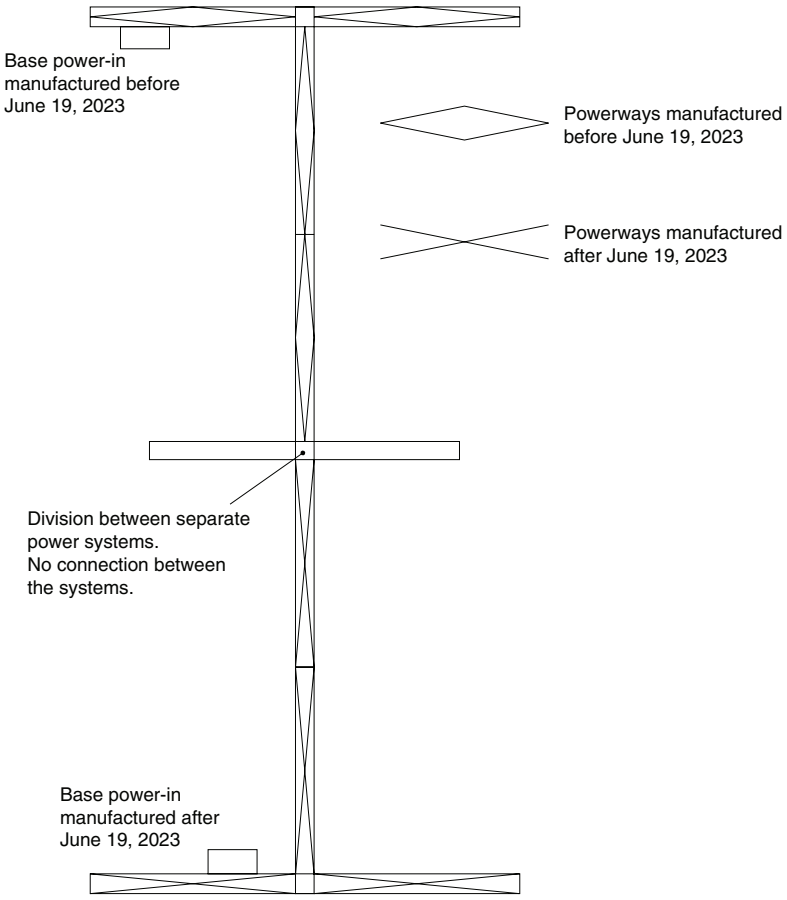


Cluster with all power components manufactured before June 19, 2023.



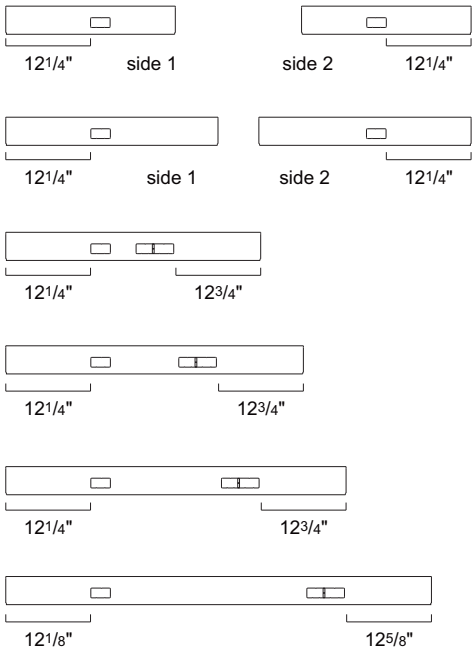
Cluster with all power components manufactured on or after June 19, 2023.

Organize by cluster: Power systems can be organized by workstation cluster. Some clusters can use power components manufactured before June 19, 2023 and other clusters can utilizer power components manufactured on or after June 19, 2023.

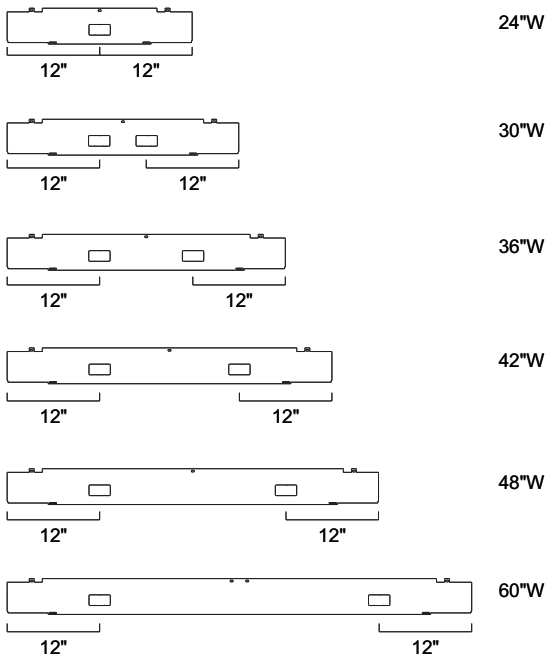


Utilize multiple infeed in a single cluster: A single workstation cluster can use both power systems by utilizing multiple infeeds. Power components manufactured before June 19, 2023 can power part of the workstation and have its infeed and power components manufactured on or after June 19, 2023 can power part of the workstation and have its infeed. Each power system covers part of the workstation and the two systems do not connect to one another.

Receptacle location change



Receptacle location for base Trims manufactured before June 19, 2023



Receptacle locations for base trims manufactured after June 19, 2023

Status of power components manufactured before June 19, 2023

Powerways, panel connectors, receptacles, base power-ins and harnesses included in the power pole manufactured before June 19, 2023 are no longer supported.

Basecovers with receptacle cutouts for the receptacle locations of the pre-June 19, 2023 powerways are supported as service parts.

Receptacle knockout fillers for both the pre-June 19, 2023 and post-June 19, 2023 are available as a service part.

The pre-June 19, 2023 wire separator, which supports the powerway in the panel, is available as a service part.

How to convert a Avenir panel manufactured before June 19, 2023 with post June 19, 2023 power components.

1. Remove all pre-June 19, 2023 power components and the pre-June 19, 2023 wire separator if present.
2. Order a field installed powerway of the appropriate width, which is available as a style number. Also, order a post June 19, 2023 set of base covers of the appropriate width from service parts. Powerways, wire separators, and base covers are not available as style numbers.
3. Add post June 19, 2023 components to base area of the panel frame manufactured before June 19, 2023.

Steps to Plan an Electrical Network

There are four steps to planning an electrical network.

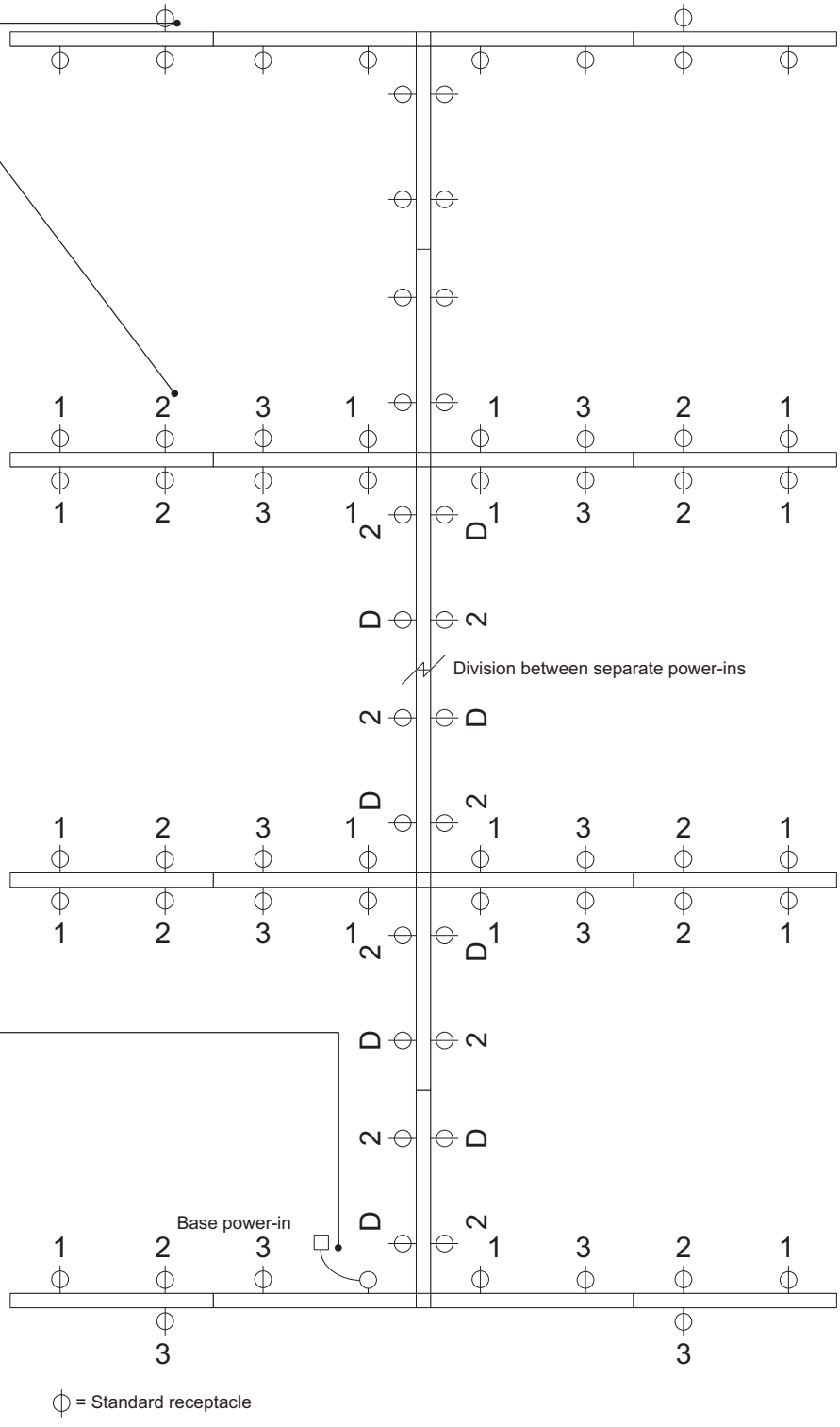
1
On a drawing of your panel layout, indicate where you want receptacles.

2
Designate which circuit (1, 2, 3, or dedicated) you want each receptacle to link to.
▶For more information about dedicated and designated circuits, see page 136.

3
Determine how many power-ins are needed to supply enough power to each cluster of workstations.
▶For more information about calculating power needs, see page 142.

4
Indicate the position of each base power-in, power pole, or cable pole on your floor plan.

You're done. If your layout includes panels with different surface materials on the two panel surfaces, the powerway connector harness may need to be switched to opposite side of the powerway upon installation to ensure proper power routing and surface material positioning.



Steelcase
February 2024

Circuit Specifications

Detailed Information for the Electrical Engineer

Five wiring schematics are available for Avenir—two 3-circuit systems and three 4-circuit systems.

All the components in an electrical distribution network must use the same wiring schematic. The components (power poles, base power-ins, powerways, and receptacles) snap together and are keyed to make it impossible to connect mismatched parts. Color-coded and labeled components make it easy for installers to identify which wiring schematic each component is dedicated to.

Color coding

For power components manufactured before June 19, 2023:

- 3 circuits shared = Black
- 3 circuits separate = White
- 4 circuits 3+D = Black
- 4 circuit 3I+1 = Tan
- 4 circuit 2+2 = Grey

For power components manufactured on or after June 19, 2023:

- 3 circuits shared = Blue
- 3 circuits separate = Rust
- 4 circuits 3+D = Black
- 4 circuit 3I+1 = Black
- 4 circuit 2+2 = Brown

Overview

Three-circuit electrical components with shared neutrals are standard with 5 wires to provide three circuits that share one oversized neutral and one ground. This is the traditional 3-circuit power alternative that is specified by adding the suffix P3 to the panel style number.

3 Circuit Shared Neutral, 5 Wires

Three-circuit with separate neutrals have 8 wires providing three circuits, each with its own separate neutral. The first two circuits share an isolated ground; the third uses the system ground.

3 Circuit Separate Neutral, 8 Wires

Four-circuit 3+D are standard with 8 wires to provide four circuits. Three of these circuits share an oversized neutral and a system ground while the remaining circuit has its own neutral and isolated ground. This is the traditional 4-circuit power, also known as 3+D, that is specified by adding the suffix P4 to the panel style number.

4 Circuit 3+D, 8 Wires

Four-circuit, 3I+1 again have 8 wires but with three circuits that share an oversized neutral and isolated ground. The fourth circuit has its own neutral and is attached to the system ground. This electrical system is like the standard 3+D, but the grounds are switched, providing three isolated circuits and one general purpose circuit as compared to one isolated circuit and three general purpose circuits.

4 Circuit 3I+1, 8 Wires

Four-circuit 2+2 also have 8 wires but provide two circuits that share an oversized neutral and a system ground and an additional two circuits with a second oversized neutral and an isolated ground.

4 Circuit 2+2, 8 Wires

How to Calculate Power Needs

Use This to Determine How Many Power-Ins You'll Need

When planning a power network, you must calculate the amperage requirements of all your electrical components so you can provide sufficient electricity to power them.

If your usage is not known in advance:
The National Electrical Code (NEC) allows a maximum of 13 receptacles on each 20-amp circuit. This provides up to 30 receptacles for each 3-circuit power-in.

If your usage is known in advance:
Add up the amperage used by each piece of equipment in the workstation. Whenever you reach 60 amps (20 amps times 3 circuits) from items that are likely to be used at the same time, you have reached the limit for a single power-in. Specify another power-in and continue until all equipment is powered.

If the circuits will normally be subject to a continuous load (three or more hours of continuous use, such as lights or computers), the NEC requires that circuit capacity be "de-rated" by 20 percent. Therefore, treat circuits used for continuous loads as if they were rated at 16 amps instead of the regular 20 amps.

Try to anticipate future increases in power requirements and build some excess capacity into your plan.
▶See table at right for typical and actual amperage usages for components.

To calculate amperage when the wattage of a device is known, divide watts by 120.

Some appliances, such as large copiers, coffee makers, or space heaters require most of the current available on a 20-amp circuit. It is recommended that such devices be supplied with their own receptacle/circuit, directly from the building. This leaves the capacity of the furniture circuits available for the more dynamic requirements of the office equipment.

Local electrical codes vary. Consult a qualified electrical contractor or engineer for the proper planning of electrical circuits in your locale.

Approximate power consumption for common devices

Device	Wattage	Amperage	Voltage	Number of Devices Supported on Single 20 Amp Circuit*
Laptop	90	0.8	110	20
CPU/Desktop Computer	120	1.1	110	15
Monitor	60	0.5	110	29
Phone	5	0.0	110	352
High Power Tablet (e.g. Surface Pro)	40	0.4	110	44
Low Power Tablet (e.g. iPad Air)	15	0.1	110	117
Desktop Printer	40	0.4	110	44
42" LCD Screen	210	1.9	110	8
DVD Player	25	0.2	110	70
Projector	175	1.6	110	10
Desktop Lamp	19	0.2	110	93
Large Printer/ Copier (high)	1900	17.3	110	1
Large Printer/ Copier (low)	850	7.7	110	2
Paper Shredder	360	3.3	110	5
Desktop Fan	20	0.2	110	88
Standing Fan	180	1.6	110	10
Coffee Maker (high)	1200	10.9	110	1
Coffee Maker (low)	600	5.5	110	3
Microwave (high)	400	13.6	110	1
Microwave (low)	150	5.5	110	3
Refrigerator (high)	1500	3.6	110	4
Refrigerator (low)	200	1.4	110	12
Vacuum (high)	1500	13.6	110	1
Vacuum (low)	200	1.8	110	9
Space Heater (high)	1500	13.6	110	1
Space Heater (low)	750	6.8	110	2

Tip: These calculations are estimations and are meant solely for informational purposes. It is important to conduct proper power planning for each installation to prevent overloading a circuit.

Special Requirements for Chicago

	Chicago code	Specification:	Electrician will supply:
Panel Requirements **Chicago code** requires hardwiring of all electrical components.	**Panels** must be hardwired in the field. **Electrician hardwires** all receptacle boxes and conduits into panel bases in the field. *Tip: Panel depth prohibits use of standard device boxes for back-to-back receptacles in Chicago. If back-to-back receptacles are required or if additional circuits are required, contact the Steelcase Solutions Resource Team at* 1.888.STEELCASE (1.888.783.3522) or *send an e-mail to lineone@steelcase.com for additional information on how to order back-to-back hardware junction boxes.*	• **Order panels** with factory-installed power base covers with receptacle knockouts where you intend to install receptacles. *Tip: Chicago code doesn't require a special base cover with different receptacle locations.* • **Receptacles** in Chicago are supplied by electrician. Because these receptacles will be duplex size, you must order a filler plate to occupy the remaining space in larger-size openings. Reusable filler plates are available from Service Parts. *Tip: Because receptacles in Chicago cannot be installed back to back, you may want to avoid powered panels that are 30"W or less. These panels only have one receptacle location on each side, so these panels can only accommodate one duplex-size receptacle.* • **Order corner fillers** for L-, T-, and X-configurations separately to conceal electrical conduits.	• Connection to building power supply • Wires • Fittings • Duplex receptacle (Leviton 5325-Decora style) • Electrical components
Lighting Requirements	**Cords** must include integral overload protection.	• **Order Chicago version of shelf lights.**	

Special Requirements for New York City

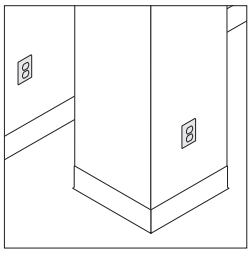
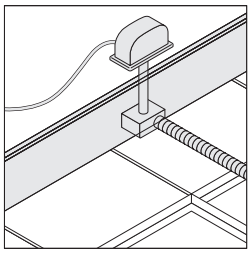
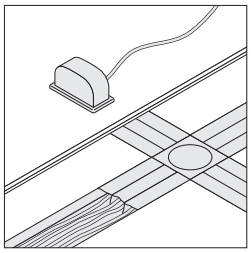
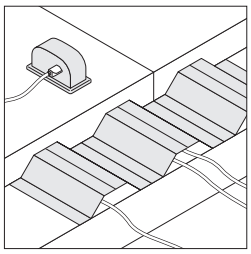
	New York City code	Specification:	Electrician will supply:
Panel Requirements **New York City code** requires that all electrical components be field installed.	**Powerways** must be installed in the field.	• **Order panels** with factory-installed power base covers with receptacle knockouts where you intend to install receptacles. Reusable filler plates are available from Service Parts. • **Order powerways** for field installation. • **Order Steelcase receptacles.**	• Connection to building power supply
Worksurface Requirements	**Utility modules** must be hardwired in the field. **Code** does not allow use of cord-and-plug devices in commercial buildings. This includes: • Power strips • Panel-supported receptacles	• **Order hardwire-version of utility module.**	• Face plate • Wires • Fittings • Connection to building power
Lighting Requirements	**Lights** cannot require tools to install. **Light harnesses** are prohibited.	• **Order shelf lights,** which require no tools to install.	

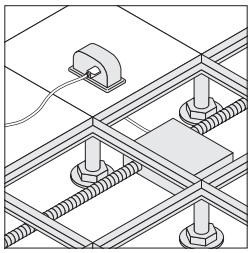
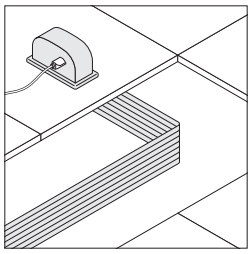
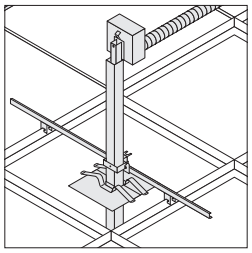
Special Requirements for Los Angeles

Los Angeles

	Los Angeles code	Specification:	Electrician will supply:
Panel Requirements	**Code** prohibits concealed cords.		
Worksurface Requirements	**Utility modules** must be hardwired in the field. **Code** does not allow use of cord-and-plug devices in commercial buildings. This includes: • Power strips • Panel-supported receptacles	• **Order hardwire-version of utility module.**	• Face plate • Wires • Fittings • Connection to building power
Lighting Requirements	**Lights** cannot require tools to install. **Light harnesses** are prohibited.	• **Order shelf lights,** which require no tools to install.	

Understanding Building Wiring

System	Characteristics	Advantages	Disadvantages	Comments
Fixed Wall and Column				
	• Common to most buildings. • Power and telecommunication run through permanent walls to wall receptacles.	• Low cost for initial installation. • Provides power in corridors and small rooms.	• Must be used with other systems to reach areas away from walls. • Moving wall receptacles is difficult and expensive.	• Workstation layout depends on location of wall receptacles and must be carefully planned. • Usually used with other systems such as poke through or flat wiring.
Poke Through				
	• Wiring concealed in ceiling space of floor below and fed through holes in floor. • Electrical receptacles and telecommunications outlets located in floor-attached monuments.	• More flexible than underfloor duct because wires can be pulled up at any location.	• High relocation costs. • Moving junction boxes requires cutting a hole through the floor—a process called coring. • Moving junction boxes can disrupt work on two floors. • Monuments can cause people to trip.	• Not accepted by some local fire codes. • May weaken floor slab. • Flexibility dependent on building structure. • Pedestals can conceal monuments.
Underfloor Duct				
	• Ducts or continuous channels encased in floor slab.	• Low life-cycle costs. • Easy access for relocation. • Relocation causes little disruption.	• Flexibility limited to specific access points.	• Increasing wire and cable requirements may exceed capabilities of existing system.
Cellular Floor				
	• Underfloor system with large-capacity, divided distribution cells for electrical and telecommunication wiring. • Wiring runs perpendicular to the trench header, a special duct that cuts across all the cells and provides access.	• Inconspicuous. • Electrical and telecommunications systems run together to the workstation. • Protects voice and data systems from interference and damage.	• System can add to required length of wire or cable because of trench header-cell configuration.	• Carpet tiles ease access to trench.

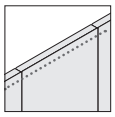
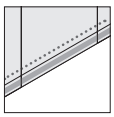
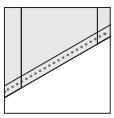
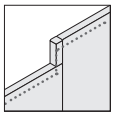
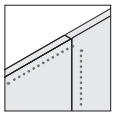
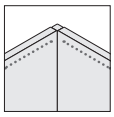
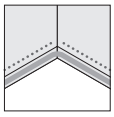
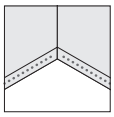
System	Characteristics	Advantages	Disadvantages	Comments
Access Flooring				
	• Developed for mainframe computer rooms. • Modular floor panels raised above the slab on 6" to 36" high supports, and conduit and cables run beneath these floor panels. • Access through monument fixtures.	• Ease of access and rearrangement of wiring systems.	• May be noisy when walked on. • Requires stairs and ramps on building floor when added to existing facility.	• Smoke alarms and fire protection sprinklers may be required. • Use only carpet tiles or area rugs.
Flat Wiring				
	• Access from wall or column. Power and signal cables run to workstation via flat wire and cable sandwiched between slab and carpet. • Outlets in transition boxes on top of carpet.	• Easy relocation. • Flexible. • Meets most capacity requirements. • Elements sold as one package.	• Heavy wheel traffic can cause signal interruption in data transmission wiring.	• Should not be used in areas susceptible to extreme dampness or water spillage. • Slab-on-grade installations, where concrete is poured directly on the ground, require careful preparation per manufacturer's instructions to ensure that moisture doesn't damage the system.
In-Ceiling Wiring				
	• Conduit and cables run in space above suspended ceiling and are distributed to panels by power and cable poles.	• Low initial cost. • Very easy to move. • Little disruption during move. • Space usually accommodates large capacities.	• Power and cable poles used to route cables can detract from open-plan aesthetics.	• Cost for installation increases when ceiling space is used as return air plenum to meet fire-protection codes. • Ceiling-suspended cable trays should be considered for communications wiring.

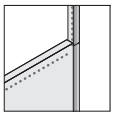
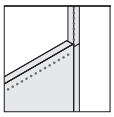
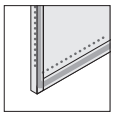
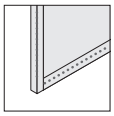
Cable Capacities

Test and verify capacities for your individual situation. We recommend that testing be conducted using your specific cable as well as the furniture configuration you are considering. Cable capacities in this table are based on non-plenum-rated cables installed by a cable contractor under ideal conditions. Figures are approximations. Actual capacities may vary slightly depending on which manufacturer produced the cable and the specific field conditions.

Cat 6 Test Cables

Ⓖ **Berk-Tek**
Lan-Mark 1000
OD=0.230"

	Ⓖ
Straight	
 Cable routing at top of panel	44 Hi 23 Med
 Cable routing at base of panel **with** powerway	8
 Cable routing at base of panel **without** powerway[1]	39
 Change-of-height cable routing at top of panel	23 Hi 15 Med
 Vertical cable routing inside cable-management panel	12
L, T, and X	
 Cable routing at top of panel	13[L, T] Hi 36[X] Hi 12[L, T] Med 20[X] Med
 Cable routing at base of panel **with** powerway	12[L] 12[T] 25[X]
 Cable routing at base of panel **without** powerway	35[L] 47[T] 60[X]

	G	
Power Pole and Cable Pole		
 Cable routing from pole **with** power harness into panel top cap	5 Hi 5 Med	
 Cable routing from pole **without** power harness into panel top cap	6 Hi 6 Med	
 Cable routing from pole into panel base **with** powerway	6	
 Cable routing from pole into panel base **without** powerway	18	

Notes:
OD = Outside diameter
Hi = Capacities with high top cap.
Med = Capacities with medium top cap.
1 = Capacities include powerway space and cable-routing space.
2 = Capacities can be doubled if routed in two directions. Capacity figures are based on routing in one direction.

Specifying Avenir

Specifying Tips **152**

Specifying Tips

General Tips

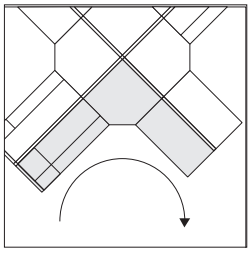
Standard Includes

- Worksurface: laminate
- End panels, back panel, and pedesta
- Drawer pulls: paint
- Center drawer, if selected: paint
- Lock, if selected, keyed randomly: 9201 Polished Chrome
- One convenience tray in desks witho drawer: 6000 Black plastic only
- One reference shelf per desk: 6000 B
- One partition per drawer: black paint
- One compressor per file drawer: blac

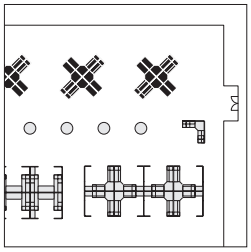
Review the features that are standard for each product before you begin to specify. You only need to include specifications for options, surface materials, and colors when you want a substitute for the standard.

To ensure that you do not overlook anything, approach the specifying process in a consistent order every time. Here are three common methods:

Specify products according to their order on the specifying pages.



Specify all workstations using a formulated pattern, such as starting at the entrance to a workstation and moving clockwise.



Specify each type of workstation in your installation and then determine how many of each type are needed.

Panels

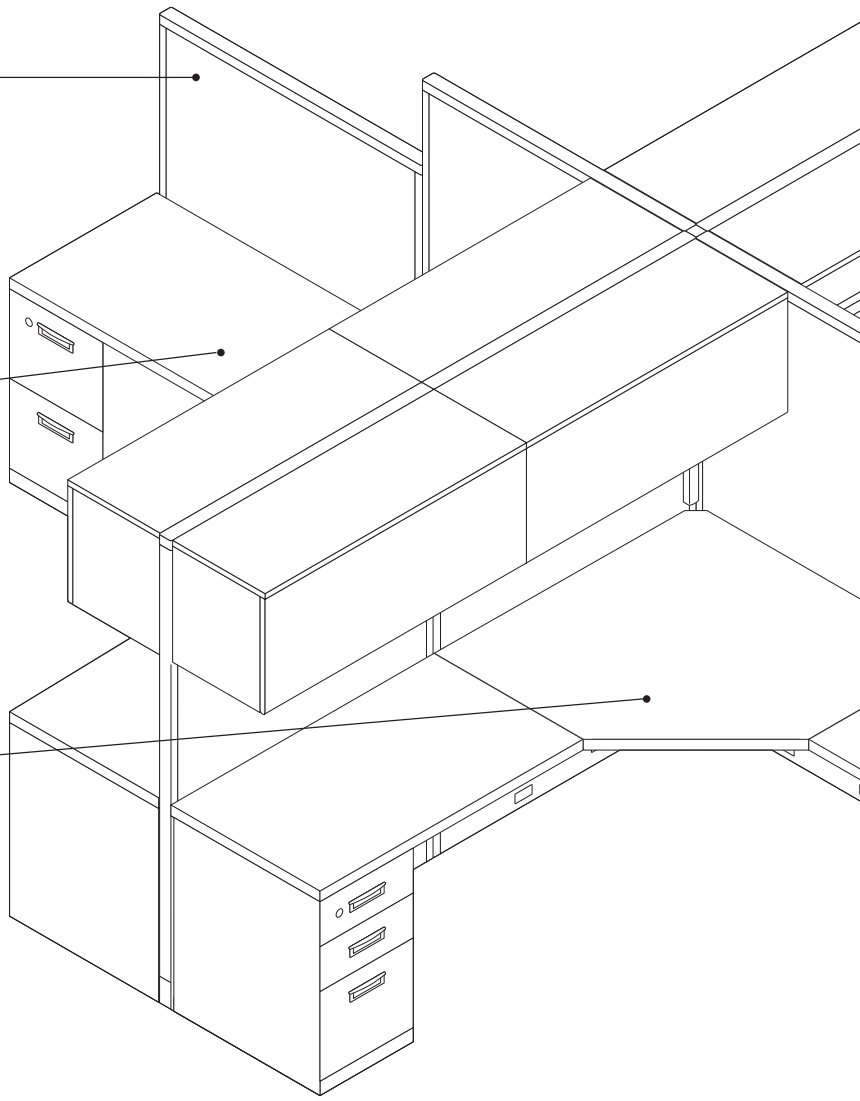
Specify style numbers and surface materials for all panels.
Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

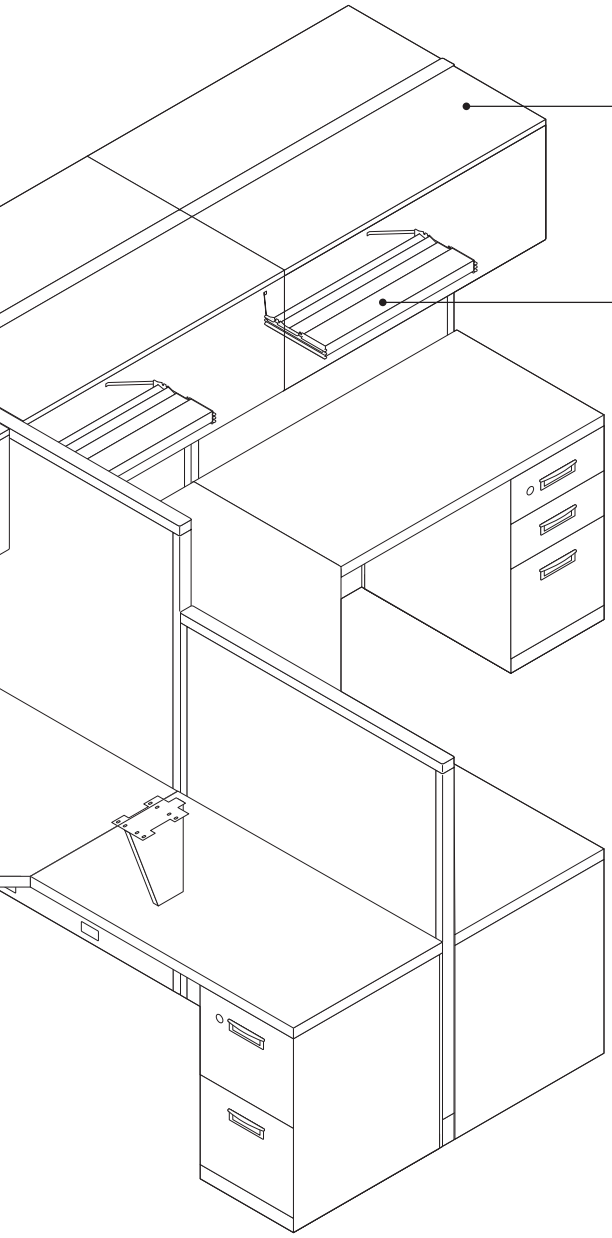
Keep track of panels that require power and list panels with power separately because they'll have a different style number.

Specify panel connector packages, fillers, and change-of-height panel connectors when an application requires them.

Worksurfaces

Specify style numbers and surface materials for all worksurface packages. Some supports can be ordered by changing the worksurface style number suffix. Other supports must be ordered separately with their own style number. Also specify options such as grommets, worksurface wiring and cabling accessories, and any specific keying information.





Storage

Specify storage component style numbers, surface materials, and any specific keying information.

Lighting

Specify style numbers of lights.

Wiring & Cabling

If you specified with power as you ordered your panels, the only things left to specify are power-ins, power and cable poles (if desired), and receptacles.

Example of Order

Here's what the specification would be like for the installation shown at the left.

Qty.	Style No.	Description
Panels		
2	MPTAM6530	64 11/16"H x 30 5/16"W tackable panels sides 1 & 2: fabric frame: paint
2	MPTAM5330	52 3/8"H X 30 5/16"W tackable panels sides 1 & 2: fabric frame: paint
4	MPTAM6530P4	64 11/16"H X 30 5/16"W tackable acoustical panel with factory-installed powerways side 1: fabric side 2: fabric frame: paint
2	PC6553	Change-of-height panel connector trim: paint
Worksurfaces		
8	PWRC3024	30"W x 24"D straight worksurfaces: laminate
4	PCWRC3624	36"W x 24"D corner curvilinear worksurfaces: laminate
8	PCSB18S	shared cantilevers: paint
Storage		
4	MU2824FFL	file/file pedestals: paint
4	MU2824BBFL	box/box/file pedestals: paint
8	RBB30AVR	overhead storage bins: paint
Lighting		
8	LSM24KD	25"W standard shelf lights with daisy chain cords, black
4	LS1FSC	daisy chain starter cords
Wiring and Cabling		
1 ctn	986831DA15SB	line 1 duplex receptacles
1 ctn	986832DA15SB	line 2 duplex receptacles
1 ctn	986833DA15SB	line 3 duplex receptacles
1	98669B	base power-in
1 ctn	98767	cord reels

Specifying Panels

Panels

Cable-Management Panel Options for Tackable Acoustical Panels **156**
Tackable Acoustical Panels **158**
Transparent Panels **160**
Tackable Fabric-Covered Panel Stackers **162**
Glass Panel Stackers **164**
Panel Door with Frame **166**
Tackable Acoustical Fabric-Covered Replacement Skins **167**

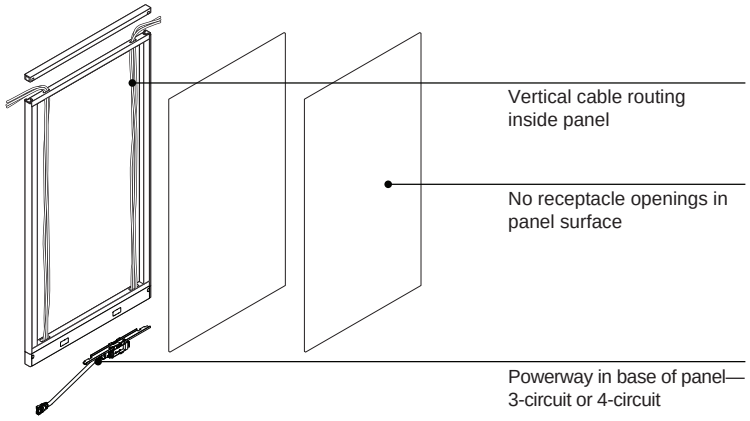
Panel Connectors **168**
Filler Packages **172**
Panel Brackets **176**
Panel Accessories **177**
Panel Wiring and Cabling **179**

Cable-Management Panel Options for Tackable Acoustical Panels

With Powerway in Base

Cable-Management Panel Option Choices

Vertical cable routing only



Product Details

Use

- Use this choice in applications where you want to route cables vertically inside the panel and where you want to extend a power distribution network through a run of panels.

How to Specify

1 Specify a tackable acoustical panel *with* factory-installed powerway (suffix P3 or P4).
2 Next, select **options** and then choose **surface options.**
3 Next, select **cable-management surfaces.**
4 Next, select **plain cable-management surfaces.**

Tip: Plain surfaces on cable-management panels have no receptacle openings, but the surface is notched at the bottom to avoid blocking the cable routing channels.

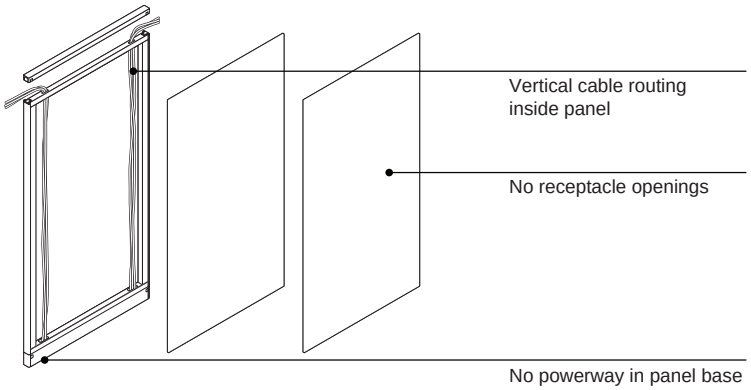
Tip: Remember to order cable knockouts for medium top caps to accommodate cable routing.

Not for use in NYC
▶See page 144

Without Powerway in Base

Cable-Management Panel Option Choices

Vertical cable routing only



Product Details

Use

- Use this choice in applications where you need to route cables vertically inside a panel, but power distribution and receptacles are not needed.

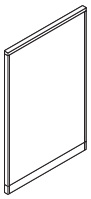
How to Specify

1 Specify a tackable acoustical panel *without* factory-installed powerway.
2 Next, select **options** and then choose **surface options.**
3 Next, select **cable-management surfaces.**
4 Next, select **plain cable-management surfaces** on *both* sides of the panel.

Tip: Plain surfaces on cable-management panels have no receptacle openings, but the surface is notched at the bottom to avoid blocking the cable routing channels.

Tip: Remember to order cable knockouts for medium top caps to accommodate cable routing.

Tackable Acoustical Panels X 4/24



	Standard Includes	Required to Specify
▶Need help? Product details, page 10	• Fabric direction with horizontal application*: fabric price group 1 • Top cap, end trim, and base covers with receptacle knockouts: all paint price groups • Top cap height: medium • Universal connector package	1 Style number 2 Fabric color number for surface 1 3 Fabric color number for surface 2 4 Paint color number for top cap, end trim, and base covers 5 Options, if selected (see below) ▶See *Surface Materials,* page 242.

Tip: To price a panel with two surface materials in different price groups, add the two fabric price group option prices together and divide by 2; then add the result to the panel base price.

Tip: If you want the panel fabric to match the fabric on panel end trim, change-of-height panel connectors, power poles, cable poles, or fillers, check to see that the fabric you want is available on that product before you specify the panel fabric. Some fabrics are not available because they are not suitable for wrapping thin pieces.

**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.* ▶See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Tip: Replacement panel surfaces are available as standard product. The top cap, end trim, and base cover can remain in place during the replacement process. Special tools are not required. Adjacent panels are not disrupted.

Tip: Factory-installed wire separator is only an option on panels without power. A wire separator is included with the powerway in panels specified with power.

	Options	U.S. Price	Required to Specify
Surface Materials	**Panel surface**		
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+$ 52	Specify fabric color number.
	• Fabric price group 3	+$144	Specify fabric color number.
	• Fabric price group 4	+$224	Specify fabric color number.
	• Fabric price group 5	+$348	Specify fabric color number.
	• Fabric price group COM	+$ 46	▶See *Surface Materials Reference Manual* to specify.
	Fabric direction on panel		
	• Vertical application	No cost	Specify *with vertical application.*
	Top cap, end trim, and base covers		
	• Wood group 1 on low or medium top cap only	+$229	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶See *Surface Materials Reference Manual.*
	• Fabric-covered end trim	+$108 per side	Specify *with fabric-covered end trim left-hand, right-hand, or both* and select fabric color number.
	Fabric direction on end trim		
	• Horizontal application (standard)	No cost	Specify *with horizontal application.*
	• Vertical application	No cost	Specify *with vertical application.*
Top Cap ▶Page 20	**Height**		
	• Low (reduces panel height by ¾")	No cost	Replace second **M** in style number with **L**.
	Knockouts		
	• Cable knockout on medium top cap	No cost	Specify *top cap with knockout.*
Electrical ▶Pages 34–40	**Factory-installed powerway**		
	• 3-circuit powerway with shared neutral	+$340	Add suffix **P3** to panel style number.
	• 3-circuit powerway with separate neutral	+$410	Add suffix **P3** to panel style number and specify *with separate neutral.*
	• 4-circuit (3+D) powerway	+$400	Add suffix **P4** to panel style number.
	• 4-circuit (3I+1) powerway	+$480	Add suffix **P4** to panel style number and specify *with 3I+1 wiring.*
	• 4-circuit (2+2) powerway	+$480	Add suffix **P4** to panel style number and specify *with 2+2 wiring.*
	Field-installed powerway		
	• For use in New York City	No cost	▶Must specify powerway for field installation only, page 183, and specify *non-powered panel with power base covers.*
	Factory-installed wire separator		
		+$ 45	Specify *with wire separator.*

▶**Options, continued on next page**

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

X**4/24** = Last order entry
April 14, 2024

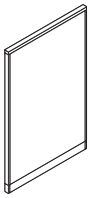
▶ **Options, continued from previous page**

	Options	U.S. Price	Required to Specify
Cable-Management Panel with Powerway ▶ Page 156	**Vertical cable routing only**	+$10	Specify a panel with factory-installed powerway in the base (see previous page). Specify *plain cable-management surfaces on both sides of the panel.*
Cable-Management Panel without Powerway ▶ Page 156	**Vertical cable routing only**	+$10	Specify a panel **without** factory-installed powerway. Specify *plain cable-management surfaces on both sides of the panel.*

Tip: Remember to order cable knockouts for medium top caps (see previous page) to accommodate cable routing.

Related Products	Panel connectors	▶ Page 168
	Panel brackets	▶ Page 176
	Panel accessories	▶ Page 177
	Panel wiring and cabling	▶ Page 179

Specification Information



Width	Style Number	U.S. Base Price	Style Number	U.S. Base Price	Style Number	U.S. Base Price
41¼"H			**52⅜"H**		**64¹¹⁄₁₆"H**	
24⁵⁄₁₆"	**MPTAM4124** X4/24	$1133	**MPTAM5324** X4/24	$1260	**MPTAM6524** X4/24	$1429
30⁵⁄₁₆"	**MPTAM4130** X4/24	$1212	**MPTAM5330** X4/24	$1348	**MPTAM6530** X4/24	$1537
36⁵⁄₁₆"	**MPTAM4136** X4/24	$1292	**MPTAM5336** X4/24	$1421	**MPTAM6536** X4/24	$1620
42⁵⁄₁₆"	**MPTAM4142** X4/24	$1414	**MPTAM5342** X4/24	$1554	**MPTAM6542** X4/24	$1768
48⁵⁄₁₆"	**MPTAM4148** X4/24	$1541	**MPTAM5348** X4/24	$1681	**MPTAM6548** X4/24	$1916

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

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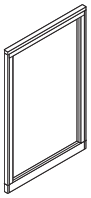
April 14, 2024

Transparent Panels X 4/24



Tip: If you want the panel fabric to match the fabric on change-of-height panel connectors, power poles, cable poles, or fillers, check to see that the fabric you want is available on that product before you specify the panel fabric. Some fabrics are not available because they are not suitable for wrapping thin pieces.

**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

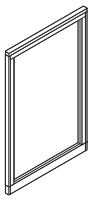
Tip: Factory-installed wire separator is only an option on panels without power. A wire separator is included with the powerway in panels specified with power.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 14	• Panel insert: 6500 Clear tempered glass • Top cap, frame surface, end trim, and base covers with receptacle knockouts: all paint price groups • Top cap height: medium • Universal connector package	1 Style number 2 Paint color number for top cap, frame surface, end trim, and base covers 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Top cap, frame surface, end trim, and base covers**		
	• Wood group 1 on low or medium top cap only	+$229	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶ See *Surface Materials Reference Manual.*
	• Fabric-covered end trim	+$108 per side	Specify *with fabric-covered end trim left-hand, right-hand, or both* and select fabric color number.
	Fabric direction for end trim on 64 11/16"H and shorter panels*		
	• Horizontal application (standard)	No cost	Specify *with horizontal application.*
	• Vertical application	No cost	Specify *with vertical application.*
Top Cap	**Height**		
▶ Page 20	• Low (reduces panel height by ¾")	No cost	Replace second **M** in style number with **L**.
	Knockouts		
	• Cable knockout on medium top cap	No cost	Specify *top cap with knockout.*
Electrical	**Factory-installed powerway**		
▶ Pages 34–40	• 3-circuit powerway with shared neutral	+$340	Add suffix **P3** to panel style number.
	• 3-circuit powerway with separate neutral	+$410	Add suffix **P3** to panel style number and specify *with separate neutral.*
	• 4-circuit (3+D) powerway	+$400	Add suffix **P4** to panel style number.
	• 4-circuit (3I+1) powerway	+$480	Add suffix **P4** to panel style number and specify *with 3I+1 wiring.*
	• 4-circuit (2+2) powerway	+$480	Add suffix **P4** to panel style number and specify *with 2+2 wiring.*
	Field-installed powerway		
	• For use in New York City	No cost	▶ Must specify powerway for field installation only, page 183, and specify *non-powered panel with power base covers.*
	Factory-installed wire separator		
		+$ 45	Specify *with wire separator.*
Related Products	• Panel connectors		▶ Page 168
	• Panel brackets		▶ Page 176
	• Panel accessories		▶ Page 177
	• Panel wiring and cabling		▶ Page 179

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

X4/24 = Last order entry
April 14, 2024



Specification Information

Width	Style Number	U.S. Base Price
	64 11/16"H	
24 5/16"	**MPSGM6524** X4/24	$2066
30 5/16"	**MPSGM6530** X4/24	$2258
36 5/16"	**MPSGM6536** X4/24	$2438
42 5/16"	**MPSGM6542** X4/24	$2627
48 5/16"	**MPSGM6548** X4/24	$2811

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▶See page 1 for details.

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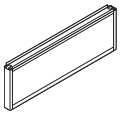
April 14, 2024

Tackable Fabric-Covered Panel Stackers X 4/24



**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 16	• Tackable stacker with two of the same fabric surfaces, fabric direction with horizontal application*: fabric price group 1 • Trim: all paint price groups • Two stacking attachment brackets	1 Style number 2 Fabric color number for panel surface 3 Paint color number for trim 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Panel surface**		
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+$ 57	Specify fabric color number.
	• Fabric price group 3	+$140	Specify fabric color number.
	• Fabric price group 4	+$227	Specify fabric color number.
	• Fabric price group 5	+$352	Specify fabric color number.
	• Fabric price group COM	+$ 53	▶ See *Surface Materials Reference Manual* to specify.
	Fabric direction		
	• Vertical application	No cost	Specify *with vertical application.*
Related Products	• Tackable acoustical panels		▶ Page 158

Specification Information

Width	Style Number	U.S. Base Price

11"H Stackers (For Stacking 41"H Base Panel to 53"H Base Panel)

24"	**MPTAS1124** X4/24	$1058
30"	**MPTAS1130** X4/24	$1067
36"	**MPTAS1136** X4/24	$1090
42"	**MPTAS1142** X4/24	$1103
48"	**MPTAS1148** X4/24	$1121

12"H Stackers (For Stacking 53"H Base Panel to 65"H Base Panel)

24"	**MPTAS1224** X4/24	$1059
30"	**MPTAS1230** X4/24	$1074
36"	**MPTAS1236** X4/24	$1093
42"	**MPTAS1242** X4/24	$1105
48"	**MPTAS1248** X4/24	$1124

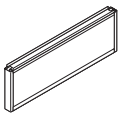
▶ **Specification Information, continued on next page**

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

X4/24 = Last order entry
April 14, 2024

▶ **Specification Information, continued from previous page**

Specification Information



15"H Stackers (For Stacking 65"H Base Panel)

Width	Style Number	U.S. Base Price
24"	**MPTAS1524** X4/24	$1078
30"	**MPTAS1530** X4/24	$1082
36"	**MPTAS1536** X4/24	$1105
42"	**MPTAS1542** X4/24	$1121
48"	**MPTAS1548** X4/24	$1137

24"H Stackers (For Stacking 41"H Base Panel to 65"H Base Panel)

Width	Style Number	U.S. Base Price
24"	**MPTAS2424** X4/24	$1137
30"	**MPTAS2430** X4/24	$1142
36"	**MPTAS2436** X4/24	$1202
42"	**MPTAS2442** X4/24	$1215
48"	**MPTAS2448** X4/24	$1220

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

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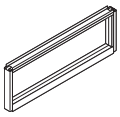
April 14, 2024

Glass Panel Stackers X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 16	• Glass insert: 6500 Clear tempered glass • Trim: paint price group 1 • Two stacking attachment brackets	1 Style number 2 Paint color number for trim 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Glass** • Frosted Glass	+$180	Specify 6530 Frosted Glass.
Related Products	• Tackable acoustical panels		▶ Page 158

Specification Information

Width	Style Number	U.S. Base Price
11"H Stackers (For Stacking 41"H Base Panel to 53"H Base Panel)		
24"	**MPSGS1124** X4/24	$1147
30"	**MPSGS1130** X4/24	$1178
36"	**MPSGS1136** X4/24	$1198
42"	**MPSGS1142** X4/24	$1237
48"	**MPSGS1148** X4/24	$1244
12"H Stackers (For Stacking 53"H Base Panel to 65"H Base Panel)		
24"	**MPSGS1224** X4/24	$1160
30"	**MPSGS1230** X4/24	$1185
36"	**MPSGS1236** X4/24	$1206
42"	**MPSGS1242** X4/24	$1252
48"	**MPSGS1248** X4/24	$1258
15"H Stackers (For Stacking 65"H Base Panel)		
24"	**MPSGS1524** X4/24	$1230
30"	**MPSGS1530** X4/24	$1242
36"	**MPSGS1536** X4/24	$1268
42"	**MPSGS1542** X4/24	$1310
48"	**MPSGS1548** X4/24	$1317

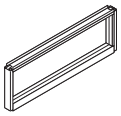
▶ **Specification Information, continued on next page**

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

X4/24 = Last order entry
April 14, 2024

▶Specification Information, continued from previous page

Specification Information



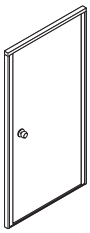
24"H Stackers (For Stacking 41"H Base Panel to 65"H Base Panel)

Width	Style Number	U.S. Base Price
24"	**MPSGS2424** X4/24	$1262
30"	**MPSGS2430** X4/24	$1305
36"	**MPSGS2436** X4/24	$1344
42"	**MPSGS2442** X4/24	$1405
48"	**MPSGS2448** X4/24	$1419

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

X4/24 = Last order entry April 14, 2024

Panel Door with Frame X4/24



	Standard Includes	Required to Specify
▶ Need help? Product details, page 18	• Panel door: laminate price group 1 • Top cap and frame: all paint price groups • Threshold: stainless steel only • Door knob with lock: brushed chrome only • Top cap height: medium • Universal connector package	1 Style number 2 Laminate color number for door 3 Paint color number for top cap and frame 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

For laminate price group 2 and 3 pricing, *please refer to the electronic catalog or SmartTools.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Top cap and frame**		
	• Wood group 1 on low or medium top cap only	+$239	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶ See *Surface Materials Reference Manual.*
	Door		
	• Laminate price group 2	See information at left	Specify laminate color number.
	• Laminate price group 3	See information at left	Specify laminate color number.
	• Open Line laminate	+$102 plus cost of laminate	▶ See *Surface Materials Reference Manual.*
Top Cap ▶ Page 20	**Height**		
	• Low (reduces frame height by ¾")	No cost	Replace second **M** in style number with **L**.
	Knockouts		
	• Cable knockout on medium top cap	No cost	Specify top cap *with knockout.*
Door Handles	• Pair of handles and latch mechanism: Brushed Chrome only	+$250	Specify *with handles.*
Related Products	• Panel wiring and cabling		▶ Pages 179–187

Tip: Panel door with frame style number cannot ship to customer locations in Canada. Frame only style number should be used for Canadian customers.

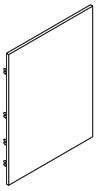
Specification Information

Dimensions W	Dimensions H	Style Number	U.S. Base Price
Panel Door with Frame			
42 5/16"	80½"	**MPDFWDM8042** X4/24	$5219
Frame Only			
42 5/16"	80½"	**MPDFM8042** X4/24	$2314

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

X4/24 = Last order entry
April 14, 2024

Tackable Acoustical Fabric-Covered Replacement Skins X4/24



Tip: Remember to order replacement skins for both sides of the panel.

Tip: Avenir panels manufactured after September 1990 have removable panels skins. Replacement skins will not fit pre-September 1990 panels.

**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

Standard Includes	Required to Specify
▶ Need help? Product details, page 10	1 Style number 2 Fabric color number for skin surface 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• 33"H–65"H skins, fabric direction with horizontal application*: fabric price group 1 • 80"H skin, fabric direction with vertical application: fabric price group 1	

	Options	U.S. Price	Required to Specify
Surface Materials	**Panel surface**		
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+$ 26	Specify fabric color number.
	• Fabric price group 3	+$ 72	Specify fabric color number.
	• Fabric price group 4	+$112	Specify fabric color number.
	• Fabric price group 5	+$174	Specify fabric color number.
	• Fabric price group COM	+$ 23	▶ See *Surface Materials Reference Manual* to specify.
	Fabric direction on 65"H and shorter skins		
	• Vertical application	No cost	Specify *with vertical application.*

Specification Information

33"H Panels

Width	Style Number	U.S. Base Price
18"	**RSTA3318** X4/24	$227
24"	**RSTA3324** X4/24	$251
30"	**RSTA3330** X4/24	$275
36"	**RSTA3336** X4/24	$306
42"	**RSTA3342** X4/24	$327
48"	**RSTA3348** X4/24	$361
60"	**RSTA3360** X4/24	$403

41"H Panels

Style Number	U.S. Base Price
RSTA4118 X4/24	$281
RSTA4124 X4/24	$311
RSTA4130 X4/24	$347
RSTA4136 X4/24	$378
RSTA4142 X4/24	$412
RSTA4148 X4/24	$441
RSTA4160 X4/24	$507

53"H Panels

Style Number	U.S. Base Price
RSTA5318 X4/24	$305
RSTA5324 X4/24	$327
RSTA5330 X4/24	$365
RSTA5336 X4/24	$395
RSTA5342 X4/24	$427
RSTA5348 X4/24	$460
RSTA5360 X4/24	$493

65"H Panels

Width	Style Number	U.S. Base Price
18"	**RSTA6518** X4/24	$350
24"	**RSTA6524** X4/24	$380
30"	**RSTA6530** X4/24	$417
36"	**RSTA6536** X4/24	$446
42"	**RSTA6542** X4/24	$480
48"	**RSTA6548** X4/24	$511
60"	**RSTA6560** X4/24	$547

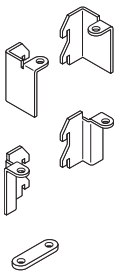
80"H Panels

Style Number	U.S. Base Price
RSTA8018 X4/24	$475
RSTA8024 X4/24	$506
RSTA8030 X4/24	$534
RSTA8036 X4/24	$572
RSTA8042 X4/24	$597
RSTA8048 X4/24	$633

X4/24 = Last order entry
April 14, 2024

Panel Connectors X4/24

Varying-Height Connector Packages (PAB2) X4/24

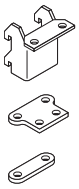


Standard Includes	Required to Specify
▶ Need help? Product details, page 22 • Connector package: all paint price groups	1 Style number 2 Paint color number for connector ▶ See *Surface Materials,* page 242.

Specification Information

Lower Panel Height	Style Number	U.S. Price
33"	**PAB233** X4/24	$74
41"	**PAB241** X4/24	$75
53"	**PAB253** X4/24	$75
65"	**PAB265** X4/24	$75

Varying-Height Perpendicular Connector Packages (PAB3) X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 24 • Connector package: all paint price groups	1 Style number 2 Paint color number for connector ▶ See *Surface Materials,* page 242.

Specification Information

Lower Panel Height	Style Number	U.S. Price
33"	**PAB333** X4/24	$74
41"	**PAB341** X4/24	$75
53"	**PAB353** X4/24	$75
65"	**PAB365** X4/24	$75

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

X4/24 = Last order entry
April 14, 2024

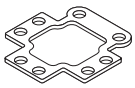
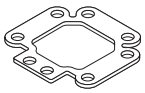
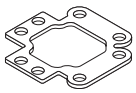
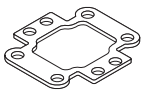
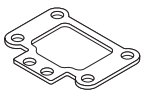
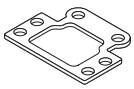
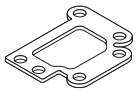
Varying-Height Connector Packages (PAB5) X4/24

Standard Includes	Required to Specify
• Connector package: black paint only	Style number

▶ Need help? Product details, page 23

Specification Information

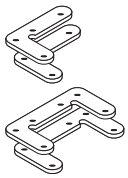
Description	Style Number	U.S. Price
1 low, 3 high	**PAB5A** X4/24	$74
3 low, 1 high	**PAB5B** X4/24	$74
2 low, 2 high	**PAB5C** X4/24	$74
2 low opposite, 2 high opposite	**PAB5D** X4/24	$74
2 low opposite 1 high	**PAB5E** X4/24	$74
1 low, 2 high	**PAB5F** X4/24	$74
2 low, 1 high	**PAB5G** X4/24	$74

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

X4/24 = Last order entry
April 14, 2024

Closed-Configuration Connector Package (PAB9) X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 25	• Connector package: black paint only	Style number

Specification Information

Style Number	U.S. Price
PAB9 X4/24	$75

Perpendicular Connector Package (PAB4) X4/24

Standard Includes	Required to Specify
▶ Need help? Product details, page 26	• Connector package: black paint only	Style number

Specification Information

Style Number	U.S. Price
PAB4 X4/24	$75

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

X4/24 = Last order entry
April 14, 2024

Change-of-Height Panel Connectors X4/24

Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Tip: If highest panel is 80"H then connector will be in the vertical application.

Standard Includes	Required to Specify
▶ Need help? Product details, page 27 • Panel connector: all paint price groups	1 Style number 2 Paint color number for connector 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Fabric-covered connectors**		
	• All fabric price groups	+$104	Specify fabric color number.
	Fabric direction on fabric-covered connectors*		
	• Horizontal application (standard) with exceptions	No cost	Specify *with horizontal application.*
	• Vertical application	No cost	Specify *with vertical application.*

Specification Information

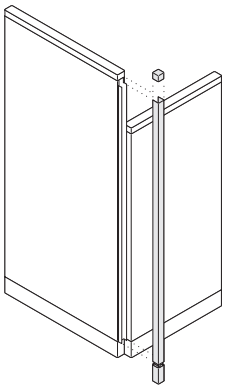
Lower Panel Height	Higher Panel Height	Style Number	U.S. Base Price
33"	41"	**PC4133** X4/24	$133
33"	53"	**PC5333** X4/24	$133
33"	65"	**PC6533** X4/24	$133
33"	80"	**PC8033** X4/24	$133
41"	53"	**PC5341** X4/24	$133
41"	65"	**PC6541** X4/24	$133
41"	80"	**PC8041** X4/24	$133
53"	65"	**PC6553** X4/24	$133
53"	80"	**PC8053** X4/24	$133
65"	80"	**PC8065** X4/24	$133

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

X4/24 = Last order entry April 14, 2024

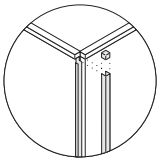
Filler Packages X4/24

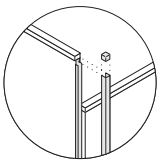
L Filler Packages X4/24



**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

Tip: Wood top caps on fillers are solid and have no cable routing capability.





Tip: Filler height must match the height of the tallest panel in the configuration.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 28	• 41"H–65"H filler uprights, fabric direction with horizontal application*: all fabric price groups • 80"H filler upright, fabric direction with vertical application: all fabric price groups • Top cap and base cover: all paint price groups • Top cap height: medium • Carrier: black paint only	1 Style number 2 Fabric color number for filler upright 3 Paint color number for top cap and base cover 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Fabric direction on 65"H and shorter fillers**		
	• Vertical application	No cost	Specify *with vertical application.*
	Top cap		
	• Wood group 1 on low or medium top cap only	+$52	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶ See *Surface Materials Reference Manual.*
Top Cap	**Height**		
	• Low	No cost	Replace **M** in style number with **L**.

Specification Information

Filler Height	Style Number	U.S. Base Price

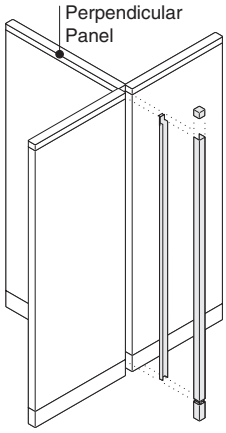
L-Configuration Fillers

41"	**PJLM41** X4/24	$533
53"	**PJLM53** X4/24	$533
65"	**PJLM65** X4/24	$533
80"	**PJLM80** X4/24	$533

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

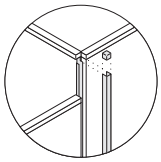
X4/24 = Last order entry
April 14, 2024

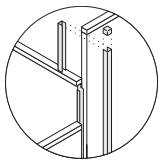
T Filler Packages X4/24



**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Tip: Wood top caps on fillers are solid and have no cable routing capability.





Tip: Carrier must always attach to center panel in T-configuration.

Tip: If highest panel is 80"H, then filler will be in the warp vertical application.

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

Standard Includes	Required to Specify
▶ Need help? Product details, page 28 • Filler upright, fabric direction with horizontal application*: all fabric price groups • Top cap and base cover: all paint price groups • Top cap height: medium • Carrier: black paint only	1 Style number 2 Fabric color number for filler upright 3 Paint color number for top cap and base cover 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Fabric direction** • Vertical application	No cost	Specify *with vertical application.*
	Top cap • Wood group 1 on low or medium top cap only	+$52	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶ See *Surface Materials Reference Manual.*
Top Cap	**Height** • Low	No cost	Replace **M** in style number with **L**.

Specification Information

Perpendicular Panel Height	Highest Panel Height	Style Number	U.S. Base Price

T-Configuration Fillers

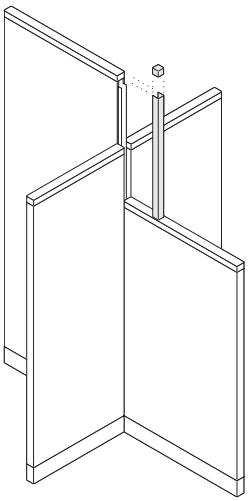
N.A.	41"	**PJTM41** X4/24	$533
N.A.	53"	**PJTM53** X4/24	$533
N.A.	65"	**PJTM65** X4/24	$533
N.A.	80"	**PJTM80** X4/24	$533

T-Configuration Fillers with Back Filler

41"	53"	**PJTM4153** X4/24	$571
41"	65"	**PJTM4165** X4/24	$571
41"	80"	**PJTM4180** X4/24	$571
53"	65"	**PJTM5365** X4/24	$571
53"	80"	**PJTM5380** X4/24	$571
65"	80"	**PJTM6580** X4/24	$571

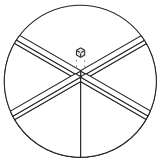
X4/24 = Last order entry
April 14, 2024

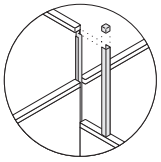
X Filler Packages X4/24

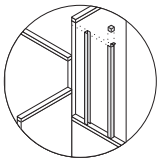


**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Tip: Wood top caps on fillers are solid and have no cable routing capability.







Tip: Back filler must attach to panel opposite the shortest panel in the X-configuration.

Tip: If highest panel is 80"H, then filler will be in the warp vertical application.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 29	• Filler upright, fabric direction with horizontal application*: all fabric price groups • Top cap: all paint price groups • Carrier: black paint only	1 Style number 2 Fabric color number for filler upright 3 Paint color number for top cap 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Fabric direction** • Vertical application	No cost	Specify *with vertical application.*
	Top cap • Wood group 1 on low or medium top cap only	+$52	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶ See *Surface Materials Reference Manual.*
Top Cap	**Height** • Low	No cost	Replace **M** in style number with **L**.

Specification Information

Lowest Panel Height	Highest Panel Height	Style Number	U.S. Base Price

X-Configuration Top Cap Only

All	N.A.	**PJXM** X4/24	$ 88

X-Configuration Fillers

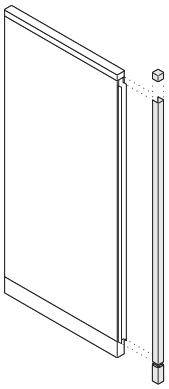
41"	53"	**PJAXM4153** X4/24	$419
41"	65"	**PJAXM4165** X4/24	$419
41"	80"	**PJAXM4180** X4/24	$419
53"	65"	**PJAXM5365** X4/24	$419
53"	80"	**PJAXM5380** X4/24	$419
65"	80"	**PJAXM6580** X4/24	$419

X-Configuration Fillers with Back Filler

41"	53"	**PJBXM4153** X4/24	$419
41"	65"	**PJBXM4165** X4/24	$419
41"	80"	**PJBXM4180** X4/24	$419
53"	65"	**PJBXM5365** X4/24	$419
53"	80"	**PJBXM5380** X4/24	$419
65"	80"	**PJBXM6580** X4/24	$419

X4/24 = Last order entry
April 14, 2024

End-of-Run Fillers X4/24



*Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Standard Includes	Required to Specify
▶ Need help? Product details, page 30	1 Style number 2 Fabric color number for end-of-run filler 3 Paint color number for top cap and base cover 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• 41"H–65"H end-of-run fillers, fabric direction with horizontal application*: all fabric price groups • 80"H end-of-run filler, fabric direction with vertical application: all fabric price groups • Top cap and base cover: all paint price groups	

	Options	U.S. Price	Required to Specify
Surface Materials	**Fabric direction on 65"H and shorter fillers**		
	• Vertical application	No cost	Specify *with vertical application.*
	Top cap		
	• Wood group 1	+$52	Specify *with wood top cap* and select wood color number.
	• Customiz stain on wood top cap	No cost	▶ See *Surface Materials Reference Manual.*

Specification Information

Height	Style Number	U.S. Base Price

For Use with Medium Top Caps

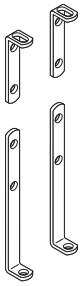
41"	**ERFM41** X4/24	$560
53"	**ERFM53** X4/24	$560
65"	**ERFM65** X4/24	$560
80"	**ERFM80** X4/24	$560

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

X4/24 = Last order entry
April 14, 2024

Panel Brackets X4/24

Panel-to-Wall Bracket Package (PAB6) X4/24



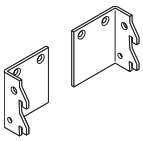
Standard Includes	Required to Specify
• Bracket package: black paint only	Style number

▶ Need help? Product details, page 31

Specification Information

Style Number	U.S. Price
PAB6 X4/24	$46

Panel-to-Furniture Bracket Package (PAB7) X4/24



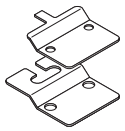
Standard Includes	Required to Specify
• Bracket package: black paint only	Style number

▶ Need help? Product details, page 31

Specification Information

Style Number	U.S. Price
PAB7 X4/24	$46

Anchor Brackets (OSHPD) X4/24



Standard Includes	Required to Specify
• Two-piece anchor bracket: black paint only	Style number

▶ Need help? Product details, page 31

Specification Information

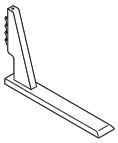
Style Number	U.S. Price
98769 X4/24	$52

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

X4/24 = Last order entry
April 14, 2024

Panel Accessories X4/24

Panel Stabilizer Foot X4/24



Standard Includes	Required to Specify
▶Need help? Product details, page 32 • Panel foot: all paint price groups	1 Style number 2 Paint color number for panel foot ▶See *Surface Materials,* page 242.

Specification Information

Style Number	U.S. Price
PFF16 X4/24	$311

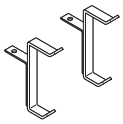
Gripper Glide Caps X4/24

Standard Includes	Required to Specify
• Carton of 12 gripper glide caps: soft black plastic only	Style number

Specification Information

Style Number	U.S. Price
CGGC12 X4/24	$97

Panel Coat Hooks X4/24



Tip: For use with painted top caps only.

Standard Includes	Required to Specify
▶Need help? Product details, page 32 • Two coat hooks: all paint price groups	1 Style number 2 Paint color number for coat hook ▶See *Surface Materials,* page 242.

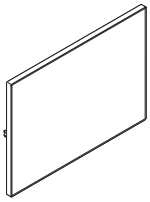
Specification Information

Style Number	U.S. Price
PCH X4/24	$77

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

X4/24 = Last order entry
April 14, 2024

Markerboards X4/24



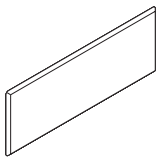
Standard Includes	Required to Specify
▶ Need help? Product details, page 32	1 Style number
• Markerboard surface: white laminate only	2 Options, if selected (see below)
• Frame: black only	

Options	U.S. Price	Required to Specify
Surface Materials	**Markerboard tray**	
• Black only	+$109	Specify *with markerboard tray*.

Specification Information

Dimensions W	Dimensions H	Style Number	U.S. Base Price
30"	33"	**PMB3330** X4/24	$1090
36"	33"	**PMB3336** X4/24	$1156

Tackboards X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 33	1 Style number
• Tackboard, fabric direction with horizontal application: fabric price group 1	2 Fabric color number for tackboard
• Hardware: black paint only	▶ See *Surface Materials*, page 242.

Options	U.S. Price	Required to Specify
Surface Materials	**Tackboard**	
• Fabric price group 1	No cost	Specify fabric color number.
• Fabric price group 2	+$ 17	Specify fabric color number.
• Fabric price group 3	+$ 81	Specify fabric color number.
• Fabric price group 4	+$109	Specify fabric color number.
• Fabric price group 5	+$174	Specify fabric color number.
• Fabric price group COM	+$ 23	▶ See *Surface Materials Reference Manual* to specify.
	Fabric direction on 30"W–60"W tackboards	
• Vertical application	No cost	Specify *with vertical application*.
Related Products • Wall channels		▶ Page 228

Specification Information

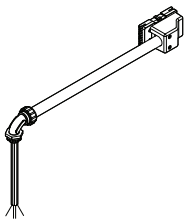
Dimensions W	Dimensions H	Style Number	U.S. Base Price
30"	17¾"	**TB3018** X4/24	$323
36"	17¾"	**TB3618** X4/24	$339
42"	17¾"	**TB4218** X4/24	$388
48"	17¾"	**TB4818** X4/24	$425
60"	17¾"	**TB6018** X4/24	$552
72"	17¾"	**TB7218** X4/24	$677

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

X4/24 = Last order entry April 14, 2024

Panel Wiring and Cabling X4/24

Base Power-Ins X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 34	Style number
• Base power-in assembly • Base power-in cover: black plastic only • 6' long, ½" diameter conduit: black plastic only • 3-circuit with shared neutral or 4-circuit 3+D	

	Options	U.S. Price	Required to Specify
Wiring Schematics	**Three-circuit**		
	• Separate neutral (available for larger-size openings only)	+$70	Specify *with separate neutral.*
	Four-circuit		
	• 3I+1 wiring schematic	+$81	Specify *with 3I+1 wiring.*
	• 2+2 wiring schematic	+$81	Specify *with 2+2 wiring.*

Specification Information

Fits	Style Number	U.S. Base Price

3-Circuit Shared Neutral Wiring Schematic

	98669B X4/24	$520
For Use in San Francisco		
	98669SFB X4/24	$520

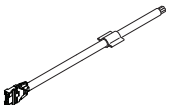
4-Circuit 3+D Wiring Schematic

	986694B X4/24	$569
For Use in San Francisco		
	986694SFB X4/24	$569

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

X4/24 = Last order entry
April 14, 2024

End Power-Ins X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 34	1 Style number 2 Options, if selected (see below)
• End power-in assembly • 6' long, ½" diameter conduit: black plastic only • 3-circuit with shared neutral or 4 circuit 3+D	

	Options	U.S. Price	Required to Specify
Wiring Schematics	**Three-circuit**		
	• Separate neutral	+$48	Specify *with separate neutral.*
	Four-circuit		
	• 3I+1 wiring schematic	+$48	Specify *with 3I+1 wiring.*
	• 2+2 wiring schematic	+$48	Specify *with 2+2 wiring.*

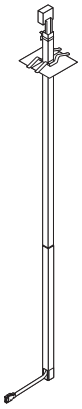
Specification Information

Style Number	U.S. Base Price
3-Circuit	
MPSC372BB X4/24	$275
4-Circuit (3+D)	
MPSC472BB X4/24	$307

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

X4/24 = Last order entry
April 14, 2024

2" x 2" Power Poles X4/24



*Tip: For most fabrics, fabric application is standard in the warp horizontal direction.
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions. Warp vertical is available as an option.

Standard Includes	Required to Specify
▶ Need help? Product details, page 36 • Upper part of pole: all paint price groups • 41"H–65"H lower part of pole, fabric direction with horizontal application*: all fabric price groups • 80"H lower part of pole, fabric direction with vertical application: all fabric price groups • Base: all paint price groups • Ceiling trim plate: white paint only • Harness with 3-circuit with shared neutral or 4-circuit 3+D • Junction box • Mounting brackets	1 Style number 2 Paint color number for upper part of pole and base 3 Fabric color number for lower part of pole 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

Options	U.S. Price	Required to Specify
Surface Materials	**Fabric direction on lower part of 65"H and shorter poles**	
• Vertical application	No cost	Specify *with vertical application.*
Wiring Schematics	**Three-circuit**	
• Separate neutral	+$25	Specify *with separate neutral.*
	Four-circuit	
• 3I+1 wiring schematic	+$25	Specify *with 3I+1 wiring.*
• 2+2 wiring schematic	+$25	Specify *with 2+2 wiring.*

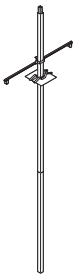
Specification Information

Panel Height	Style Number	U.S. Base Price
3-Circuit		
41"	**PP341AB** X4/24	$1102
53"	**PP353AB** X4/24	$1102
65"	**PP365AB** X4/24	$1102
80"	**PP380AB** X4/24	$1102
4-Circuit (3+D)		
	PP441AB X4/24	$1218
	PP453AB X4/24	$1218
	PP465AB X4/24	$1218
	PP480AB X4/24	$1218

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

X4/24 = Last order entry
April 14, 2024

2" x 2" Cable Poles X4/24



**Tip: For most fabrics, fabric application is standard in the warp horizontal direction.*
▶ See *Specification Guidelines for Vertical Fabric Applications,* page 258, for details on these exceptions.
Warp vertical is available as an option.

Standard Includes	Required to Specify
▶ Need help? Product details, page 36	1 Style number 2 Paint color number for upper part of pole and base 3 Fabric color number for lower part of pole 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• Upper part of pole: all paint price groups • 41"H–65"H lower part of pole, fabric direction with horizontal application*: all fabric price groups • 80"H lower part of pole, fabric direction with vertical application*: all fabric price groups • Base: all paint price groups • Ceiling trim plate: white paint only • Mounting brackets	

Options	U.S. Price	Required to Specify
Surface Materials	**Fabric direction on lower part of 65"H and shorter poles**	
• Vertical application	No cost	Specify *with vertical application.*

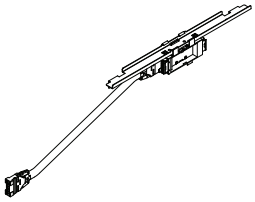
Specification Information

Panel Height	Style Number	U.S. Price
41"	**MCP41A** X4/24	$1013
53"	**MCP53A** X4/24	$1013
65"	**MCP65A** X4/24	$1013
80"	**MCP80A** X4/24	$1013

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

X4/24 = Last order entry April 14, 2024

Powerways (field-installed) X4/24



Tip: For factory-installed powerways, refer to the panel pages.
▶ Page 156

Standard Includes	Required to Specify
▶ Need help? Product details, pages 38	1 Style number 2 Options, if selected (see below)
• Powerway with 3-circuit with shared neutral or 4-circuit 3+D	

	Options	U.S. Price	Required to Specify
Wiring Schematics	**Three-circuit**		
	• Separate neutral	+$70	Specify *with separate neutral.*
	Four-circuit		
	• 3I+1 wiring schematic	+$80	Specify *with 3I+1 wiring.*
	• 2+2 wiring schematic	+$80	Specify *with 2+2 wiring.*

Specification Information

Panel Width	3-Circuit Style Number	3-Circuit U.S. Base Price	4-Circuit (3+D) Style Number	4-Circuit (3+D) U.S. Base Price
24"	**FPW324B** X4/24	$387	**FPW424B** X4/24	$460
30"	**FPW330B** X4/24	$387	**FPW430B** X4/24	$460
36"	**FPW336B** X4/24	$387	**FPW436B** X4/24	$460
42"	**FPW342B** X4/24	$387	**FPW442B** X4/24	$460
48"	**FPW348B** X4/24	$387	**FPW448B** X4/24	$460
60"	**FPW360B** X4/24	$387	**FPW460B** X4/24	$460

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

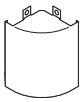
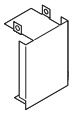
X4/24 = Last order entry
April 14, 2024

Corner Wire Covers X4/24

Tip: Corner wire covers are required by UL to cover flexible power harnesses in L- and T-configurations.

Standard Includes	Required to Specify
▶ Need help? Product details, page 133 • Corner wire cover: all paint price groups	1 Style number 2 Paint color number for wire cover ▶ See *Surface Materials,* page 242.

Specification Information

Style Number	U.S. Price
For 90° Panel Angle	
 **PBCC90** X4/24	$75
For 180° Panel Angle (T-Configuration)	
 **PBCC180** X4/24	$75

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

X4/24 = Last order entry
April 14, 2024

Cable Grommets for Base Cover X4/24

Tip: For use in standard-size receptacle opening in power base cover.

Standard Includes	Required to Specify
▶ Need help? Product details, page 41	1 Style number 2 Plastic color number for cable grommet ▶ See *Surface Materials,* page 242.
• Carton of five cable grommets: plastic	

Specification Information

Style Number	U.S. Price
98863 X4/24	$48

Panel-Base End Filler X4/24

Standard Includes	Required to Specify
• Carton of six end fillers: paint	1 Style number 2 Paint color number for end filler ▶ See *Surface Materials,* page 242.

Specification Information

Style Number	U.S. Price
PBEF X4/24	$75

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

X4/24 = Last order entry
April 14, 2024

Duplex Receptacles X4/24

Standard Includes	Required to Specify
• Package of six powerway receptacles: plastic	1 Style number 2 Plastic color number for receptacles 3 Options, if selected (see below)

▶ Need help? Product details, page 40

▶ See *Surface Materials,* page 242.

Tip: You must specify receptacles to match wiring schematic used in other power components.

	Options	U.S. Price	Required to Specify
Controlled Stamp	• No stamp • Controlled stamp	No cost +$5	Specify *with no stamp.* Specify *with controlled stamp.*

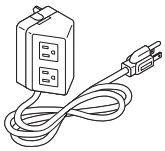
Specification Information

Description	Size	Style Number	U.S. Base Price	Style Number	U.S. Base Price
		15-amp Receptacles		**20-amp Receptacles**	
3-Circuit with Shared Neutral					
Line 1	Standard size	**986831DA15SB** X4/24	$427	**986831DA20SB** X4/24	$ 640
Line 2	Standard size	**986832DA15SB** X4/24	$427	**986832DA20SB** X4/24	$ 640
Line 3	Standard size	**986833DA15SB** X4/24	$427	**986833DA20SB** X4/24	$ 640
3-Circuit with Separate Neutral					
Line A	Standard size	**98683ADD15SB** X4/24	$640	**98683ADD20SB** X4/24	$ 966
Line B	Standard size	**98683BDD15SB** X4/24	$640	**98683BDD20SB** X4/24	$ 966
Line C	Larger size	**98683CDD15SB** X4/24	$828	**98683CDD20SB** X4/24	$1249
4-Circuit 3+D					
Line 1	Standard size	**986831DA15SB** X4/24	$427	**986831DA20SB** X4/24	$ 640
Line 2	Standard size	**986832DA15SB** X4/24	$427	**986832DA20SB** X4/24	$ 640
Line 3	Standard size	**986833DA15SB** X4/24	$427	**986833DA20SB** X4/24	$ 640
Line 4	Larger size	**986834DA15SB** X4/24	$555	**986834DA20SB** X4/24	$ 828
4-Circuit with 3I+1 Wiring					
Line 1	Standard size	**986831DC15SB** X4/24	$640	**986831DC20SB** X4/24	$ 966
Line 2	Standard size	**986832DC15SB** X4/24	$640	**986832DC20SB** X4/24	$ 966
Line 3	Standard size	**986833DC15SB** X4/24	$640	**986833DC20SB** X4/24	$ 966
Line 4	Larger size	**986834DC15SB** X4/24	$828	**986834DC20SB** X4/24	$1249
4-Circuit with 2+2 Wiring					
Line 1	Standard size	**986831DB15SB** X4/24	$476	**986831DB20SB** X4/24	$ 719
Line 2	Standard size	**986832DB15SB** X4/24	$476	**986832DB20SB** X4/24	$ 719
Line 3	Larger size	**986833DB15SB** X4/24	$640	**986833DB20SB** X4/24	$ 966
Line 4	Larger size	**986834DB15SB** X4/24	$640	**986834DB20SB** X4/24	$ 966

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

X4/24 = Last order entry April 14, 2024

Panel-Supported Receptacle X4/24

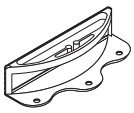


Standard Includes	Required to Specify
▶ Need help? Product details, page 134 • Three receptacles, each with 9' cord and three-prong plug: black plastic only	Style number

Specification Information

• Fits	• Style Number	• U.S. Price
Duplex-size opening	**PMDR** X4/24	$416

Avenir Worksurface Wire Managers X4/24



Standard Includes	Required to Specify
• Set of six field installed worksurface wire managers: plastic • Attachment hardware	1 Style number 2 Plastic color number for worksurface wire manager: 6000 Black 6009 Arctic White 6052 Milk 6053 Seagull 6249 Platinum Solid 6654 Sand 6695 Midnight 6697 Fog

Specification Information

• Style Number	• U.S. Price
TS7WWM X4/24	$220

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

X4/24 = Last order entry
April 14, 2024

Specifying Avenir Worksurfaces

Curvilinear Worksurfaces

Corner Curvilinear Worksurfaces **190**

Worksurface Supports and Brackets **191**

Related Products

Worksurface Accessories **199**

Worksurface Wiring and Cabling **200**

Corner Curvilinear Worksurfaces X4/24

1½"-Thick

Standard Includes	Required to Specify
▶ Need help? Product details, page 60	1 Style number 2 Laminate color number for worksurface 3 Plastic color number for T-mold edge 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• Worksurface: laminate price group 1 • Radius-edge T-mold on user's side: plastic • Side and back edges: plastic square edge default • Rear corner bracket: black paint only • Cable scallops centered on the width edges	

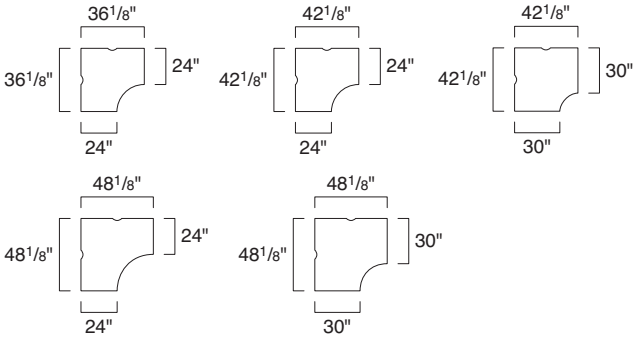
For laminate group 2 and 3 pricing, *please refer to the electronic catalog or SmartTools.*

Options	U.S. Price	Required to Specify
Surface Materials		
Worksurface		
• Laminate price group 2	See information at left	Specify laminate color number.
• Laminate price group 3	See information at left	Specify laminate color number.
• Open Line laminate	+$102 plus cost of laminate	▶ See *Surface Materials Reference Manual.*
Related Products		
• Worksurface supports and brackets		▶ Page 191
• Worksurface accessories		▶ Page 199
• Worksurface wiring and cabling		▶ Page 200
• Storage accessories		▶ Page 211

Specification Information

Dimensions D	Dimensions W	Radius	Style Number	U.S. Base Price
24"	36⅛"	12"	**PCWRC3624** X4/24	$ 928
24"	42⅛"	18"	**PCWRC4224** X4/24	$1016
24"	48⅛"	18"	**PCWRC4824** X4/24	$1133
30"	42⅛"	12"	**PCWRC4230** X4/24	$1112
30"	48⅛"	18"	**PCWRC4830** X4/24	$1242

Corner Curved-Edge Worksurfaces

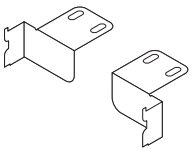


For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

X4/24 = Last order entry
April 14, 2024

Worksurface Supports and Brackets X4/24

Side Supports X4/24



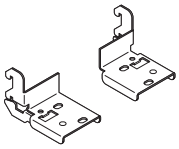
Tip: Side support bracket package includes a pair of handed brackets. Only one bracket is required for rear corner support of Avenir corner worksurface. Specify one package for every two corner worksurfaces.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 62	• Pair of side supports: black paint only	Style number

Specification Information

Style Number	U.S. Price
MSS X4/24	$85

Locking Side Supports X4/24



	Standard Includes	Required to Specify
▶ Need help? Product details, page 62	• Pair of locking side supports: black paint only	Style number

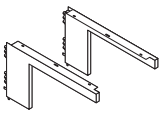
Specification Information

Style Number	U.S. Price
PWSMB2 X4/24	$97

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

X4/24 = Last order entry
April 14, 2024

L-Shaped Cantilevers X4/24



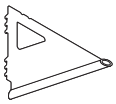
Tip: Use a cantilever to support only one end of a 30"D worksurface. Use a side support, end panel, clear-access end panel, or a pedestal to support the opposite end.

Standard Includes	Required to Specify
▶ Need help? Product details, page 63 • Cantilever: all paint price groups	1 Style number 2 Paint color number for cantilever ▶ See *Surface Materials,* page 242.

Specification Information

Fits Worksurface Depth	Style Number	U.S. Price
Left-Hand Cantilevers		
18"	**PCWS18CL** X4/24	$514
24"	**PCWS24CL** X4/24	$541
30"	**PCWS30CL** X4/24	$629
Right-Hand Cantilevers		
18"	**PCWS18CR** X4/24	$514
24"	**PCWS24CR** X4/24	$541
30"	**PCWS30CR** X4/24	$629

Triangular-Shaped Cantilever X4/24



Tip: Use cantilever to support only one end of a 30"D worksurface. Use side support, end panel, or a pedestal to support the opposite end.

Standard Includes	Required to Specify
▶ Need help? Product details, page 64 • Cantilever: all paint price groups	1 Style number 2 Paint color number for cantilever ▶ See *Surface Materials,* page 242.

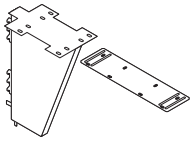
Specification Information

Dimensions D	Dimensions H	Style Number	U.S. Price
16"	12"	**BC** X4/24	$235

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

X4/24 = Last order entry April 14, 2024

L-Shaped Shared Cantilevers X4/24

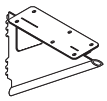


Standard Includes	Required to Specify
▶ Need help? Product details, page 65	1 Style number
• Shared cantilever: all paint price groups	2 Paint color number for shared cantilever
• Support plate: black paint only	▶ See *Surface Materials,* page 242.

Specification Information

Fits Worksurface Depth	Style Number	U.S. Price
24"	**PCSB18S** X4/24	$541
30"	**PCSB24S** X4/24	$806

Triangular-Shaped Shared Cantilevers X4/24

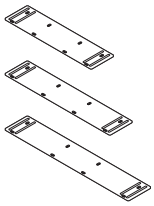


Standard Includes	Required to Specify
▶ Need help? Product details, page 65	1 Style number
• Shared cantilever: all paint price groups	2 Paint color number for shared cantilever
• Alignment plate: grotto paint only	▶ See *Surface Materials,* page 242.

Specification Information

Fits Worksurface Depth	Style Number	U.S. Price
18", 24", or 30"	**BSC** X4/24	$235

Support Plates X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 66	Style number
• Support plate: black paint only	

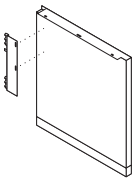
Specification Information

Dimensions D	Dimensions H	Fits Worksurface Depth	Style Number	U.S. Price
14"	$3\frac{11}{16}$"	18"	**PWSCL18** X4/24	$153
20"	$3\frac{11}{16}$"	24"	**PWSCL24** X4/24	$153
$25\frac{15}{16}$"	$3\frac{11}{16}$"	30"	**PWSCL30** X4/24	$153

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

X4/24 = Last order entry
April 14, 2024

End Panels with Base X4/24



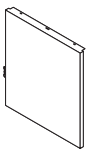
Standard Includes	Required to Specify
▶ Need help? Product details, page 66	1 Style number 2 Paint color number for end panel 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• End panel: paint price group 1	

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$28	Specify paint color number.
	• Paint price group 3	+$51	Specify paint color number.

Specification Information

Dimensions D	Dimensions H	Style Number	U.S. Base Price
18"	27"	**MFES18** X4/24	$1095
24"	27"	**MFES24** X4/24	$1124
30"	27"	**MFES30** X4/24	$1180

End Panels without Base X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 67	1 Style number 2 Paint color number for end panel 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• End panel: paint price group 1	

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$28	Specify paint color number.
	• Paint price group 3	+$51	Specify paint color number.

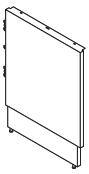
Specification Information

Dimensions D	Dimensions H	Style Number	U.S. Base Price
24"	27"	**BEP24** X4/24	$851
30"	27"	**BEP30** X4/24	$968

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

X4/24 = Last order entry April 14, 2024

Floor-Support End Panel X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 67	• End panel: paint price group 1 • Adjustable base	1 Style number 2 Paint color number for end panel 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1 • Paint price group 2 • Paint price group 3	No cost +$28 +$51	Specify paint color number. Specify paint color number. Specify paint color number.

Tip: Minimum and maximum height refers to the worksurface height.

Specification Information

Left-Hand Floor-Support End Panels

Dimensions D	Minimum Height	Maximum Height	Style Number	U.S. Base Price
24"	25"	28¾"	**PWF24L** X4/24	$851
30"	25"	28¾"	**PWF30L** X4/24	$968

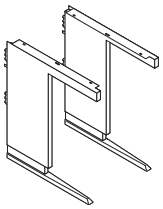
Right-Hand Floor-Support End Panels

Dimensions D	Minimum Height	Maximum Height	Style Number	U.S. Base Price
24"	25"	28¾"	**PWF24R** X4/24	$851
30"	25"	28¾"	**PWF30R** X4/24	$968

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

X4/24 = Last order entry
April 14, 2024

Clear-Access End Panels X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 68	• Clear-access end panel: paint price group 1	1 Style number 2 Paint color number for end panel 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

Options		U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$28	Specify paint color number.
	• Paint price group 3	+$51	Specify paint color number.

Specification Information

Depth	Style Number	U.S. Base Price

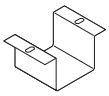
Left-Hand Clear-Access End Panels

24"	**MCAS24L** X4/24	$871
30"	**MCAS30L** X4/24	$979

Right-Hand Clear-Access End Panel

24"	**MCAS24R** X4/24	$871
30"	**MCAS30R** X4/24	$979

Cantilever-to-Cantilever Clamp X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 63	• Clamp: black paint only	Style number

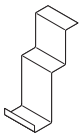
Specification Information

Style Number	U.S. Price
PWSCL1 X4/24	$153

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

X4/24 = Last order entry
April 14, 2024

Change-of-Height Cantilever-to-Cantilever Clamp X4/24

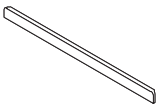


Standard Includes		Required to Specify
▶ Need help? Product details, page 63	• Clamp: black	Style number

Specification Information

Style Number	U.S. Price
PWSCL2 X4/24	$153

Worksurface Fillers for Use with 1½"-Thick Worksurfaces X4/24



Standard Includes		Required to Specify
▶ Need help? Product details, page 71	• Worksurface filler: plastic	1 Style number 2 Plastic color number ▶ See *Surface Materials,* page 242.

Specification Information

Fits Worksurface Depth	Style Number	U.S. Price
For Use Between a Radius Edge and a Self Edge		
24"	**PWRF24** X4/24	$104
30"	**PWRF30** X4/24	$104
For Use Between Two Self Edges		
24"	**PWSF24** X4/24	$104
30"	**PWSF30** X4/24	$104

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

X4/24 = Last order entry
April 14, 2024

End Panel Stabilizer Brackets X4/24

Standard Includes	Required to Specify
• Stabilizer bracket: black paint only	Style number

▶ Need help? Product details, page 69

Specification Information

Style Number	U.S. Price

For Left End Panel

98722 X4/24	$72

For Right End Panel

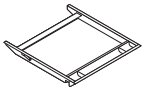
98723 X4/24	$72

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

X4/24 = Last order entry April 14, 2024

Worksurface Accessories X4/24

Metal Center Drawers X4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 70	1 Style number
• Center drawer: all paint price groups	2 Paint color number for center drawer
• Mounting frame: Grey V2 paint only	▶ See *Surface Materials,* page 242.

Specification Information

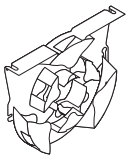
Dimensions D	W	H	Style Number	U.S. Price
23"	21½"	2⅜"	**FCD20** X4/24	$363
18⅛"	21½"	2⅜"	**FSCD20** X4/24	$368

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

X4/24 = Last order entry
April 14, 2024

Worksurface Wiring and Cabling

Cable and Fiber Reels



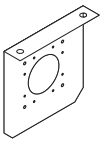
Standard Includes	Required to Specify
• Package of four reels: black plastic only	Style number

▶ Need help? Product details, page 79

Specification Information

Dimensions D	W	H	Style Number	U.S. Price
1¼"	8"	8 5/16"	**98766**	$244

Termination Plate



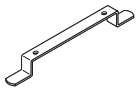
Standard Includes	Required to Specify
• Termination plate: black paint only	Style number

▶ Need help? Product details, page 80

Specification Information

Dimensions D	W	H	Style Number	U.S. Price
¾"	7⅛"	7⅛"	**98765**	$35

Cord Reels X4/24



Standard Includes	Required to Specify
• Carton of six cord reels: grey paint only	Style number

▶ Need help? Product details, page 135

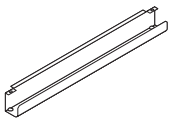
Specification Information

Style Number	U.S. Price
98767 X4/24	$107

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

X4/24 = Last order entry April 14, 2024

Cable Storage Tray X4/24



Standard Includes	Required to Specify
▶Need help? Product details, page 135	• Cable storage tray: black paint only	Style number

Specification Information

Dimensions D	W	H	Style Number	U.S. Price
2"	24"	2½"	**98768** X4/24	$82

Wire Guide Clips X4/24

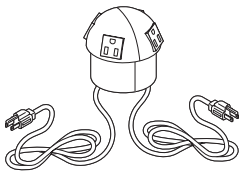
Tip: Recommended for painted metal surfaces only.

Standard Includes	Required to Specify
▶Need help? Product details, page 135	• Carton of 20 adhesive-backed wire guide clips: black plastic only	Style number

Specification Information

Style Number	U.S. Price
32WCP X4/24	$58

Power Sphere



Tip: Sphere is field installed. Use 3"-diameter drill to cut mounting hole at desired location.

Standard Includes	Required to Specify
▶Need help? Product details, page 77	• Sphere with four simplex electrical outlets: black plastic • Two 6' power cords (each rated at 15 amps), if selected: black plastic	Style number

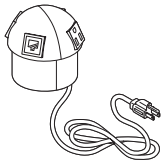
Specification Information

Dimensions D	W	H	Style Number	U.S. Price
Four Electrical Outlets with Two 6' Power Cords				
3⅜"	3⅜"	3"	**PTDMGB1**	$365

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

X4/24 = Last order entry
April 14, 2024

Power and Communication Sphere



Tip: Sphere is field installed. Use 3"-diameter drill to cut mounting hole at desired location.

Tip: Faceplates in sphere accommodate standard voice/data jacks. Order jacks by calling any of the manufacturers listed below:
- *AMP Corporation 1.800.522.6752*
- *Leviton 1.800.722.2082*
- *Lucent 1.800.344.0223*
- *Krone 1.800.775.5766*
- *Punduit 1.800.777.3300*

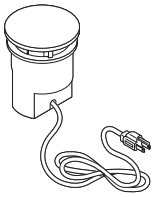
	Standard Includes	Required to Specify
▶ Need help? Product details, page 77	• Sphere with two simplex electrical outlets: black plastic • Faceplates to accommodate two customer-supplied voice/data jacks: black plastic • 6' power cord with plug rated at 15 amps, if selected: black plastic	Style number

Specification Information

Sphere with One 6' Power Cord

Dimensions D	W	H	Style Number	U.S. Price
3 3/8"	3 3/8"	3"	**PTDMGB3**	$365

Round Power and Communication Port



Tip: Port is field installed. Use a 3½"-diameter drill to cut mounting hole at desired location.

Tip: Order jacks by calling any of the manufacturers listed below:
- *AMP Corporation 1.800.522.6752*
- *Leviton 1.800.722.2082*
- *Lucent 1.800.344.0223*
- *Krone 1.800.775.5766*
- *Punduit 1.800.777.3300*

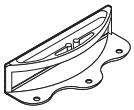
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶ See page 1 for details.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 78	• Round unit with two electrical outlets: black plastic • 6' power cord with plug rated at 15 amps: black plastic • Adapters for two customer-supplied data couplers/jacks	Style number

Specification Information

Dimensions D	W	H	Style Number	U.S. Price
4 1/4"	4 1/4"	4 5/16"	**PTRSGB1**	$541

Worksurface Wire Managers

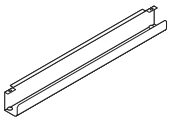


Standard Includes	Required to Specify
• Set of six field installed worksurface wire managers: plastic • Attachment hardware	1 Style number 2 Plastic color number for worksurface wire manager: 6000 Black 6009 Arctic White 6052 Milk 6053 Seagull 6249 Platinum Solid 6654 Sand 6695 Midnight 6697 Fog

Specification Information

Style Number	U.S. Price
TS7WWM	$220

Cable Storage Tray



Standard Includes	Required to Specify
▶ Need help? Product details, page 135 • Cable storage tray: black paint only	Style number

Specification Information

Dimensions D	W	H	Style Number	U.S. Price
2"	24"	2½"	**98768**	$82

Wire Guide Clips

Tip: Recommended for painted metal surfaces only.

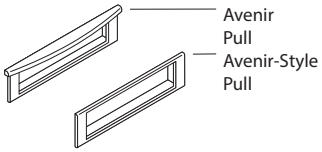
Standard Includes	Required to Specify
▶ Need help? Product details, page 135 • Carton of 20 adhesive-backed wire guide clips: black plastic only	Style number

Specification Information

Style Number	U.S. Price
32WCP	$58

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

Specifying Storage



Steelcase 800 Series lateral files are available with an Avenir-style pull to make these products compatible with Avenir. The Avenir-style pull complements the Avenir pull, but it is not identical. The Avenir-style pull is flush so it will allow the lateral file receding door to go back into the file.

Storage with Avenir Pulls
- Fixed Pedestals **206**
- Worksurface-Supported Pedestals **207**
- Mobile Pedestals **208**
- Mobile Pedestal Cushion Tops **210**

Accessories for Pedestals **211**

Overhead Bins and Shelves
- Universal Sliding Door Bins with Steel Fronts **213**
- Universal Sliding Door Bins with Laminate Fronts **214**
- Universal Sliding Door Bins with Wood Fronts **215**
- Universal Over the Case Bins with Flat Fronts **216**
- Universal In the Case Bins with Steel Flat Fronts **218**
- Universal In the Case Bins with Laminate Flat Fronts **220**
- Universal In the Case Bins with Wood Flat Fronts **222**
- Hutch Kits **224**
- Universal Shelves **226**
- Universal Personal Shelves **227**
- Accessories **228**

Slim Shelves **231**

800 Series Products
- Counterweight Packages **232**

Fixed Pedestals X4/24

With Avenir Pulls

	Standard Includes	Required to Specify
▶ Need help? Product details, page 86	• Pedestal: paint price group 1 • Drawer pulls: all paint price groups • Pedestal filler: paint to match pedestal • Lock keyed random: 9201 Polished Chrome • Drawer interiors: black only —One pencil tray and two box drawer dividers per box/box/file pedestal • Four adjustable leveling glides: black only	1 Style number 2 Paint color number for pedestal 3 Paint color number for drawer pulls 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Pedestal**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$111	Specify paint color number.
Drawer Accessories	**Rails**		
	• Two side-to-side hanging file rails per file drawer	No cost	Specify *with rails.*
Filler	• Omit filler	–$ 56	Specify *with no filler.*
Lock and Keying	**Lock**		
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Individual locking drawers		
	• File/file pedestals only	+$194	Specify *with individual drawer lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 211-212

Tip: Filler ships separate from pedestal for field installation. Filler can be omitted if not needed for structural or aesthetic reasons.

Tip: Counterweights are not required on fixed pedestals.

Specification Information

15"W Pedestal with Two File Drawers and Lock

Dimensions D	W	H	Style Number	U.S. Base Price
23½"	15"	27"	**MU2824FFL** X4/24	$1315
29½"	15"	27"	**MU2830FFL** X4/24	$1583

15"W Pedestal with Two Box Drawers, One File Drawer, and Lock

Dimensions D	W	H	Style Number	U.S. Base Price
23½"	15"	27"	**MU2824BBFL** X4/24	$1344
29½"	15"	27"	**MU2830BBFL** X4/24	$1610

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

X4/24 = Last order entry
April 14, 2024

Worksurface-Supported Pedestals ☒4/24

With Avenir Pulls

Tip: Counterweights are not required on worksurface-supported pedestals.

Standard Includes	Required to Specify
▶ Need help? Product details, page 86	1 Style number 2 Paint color number for pedestal 3 Paint color number for drawer pulls 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• Pedestal: paint price group 1 • Drawer pulls: all paint price groups • Lock, keyed random: 9201 Polished Chrome • Drawer interiors: black only —One pencil tray and one box drawer divider • Attachment hardware	

	Options	U.S. Price	Required to Specify
Surface Materials	**Pedestal**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$111	Specify paint color number.
Drawer Accessories	**Rails**		
	• Two side-to-side hanging file rails per file drawer	No cost	Specify *with rails.*
Lock and Keying	**Lock**		
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 211–212

Specification Information

Pedestal with One Box Drawer, One File Drawer, and Lock

Dimensions D	W	H	Style Number	U.S. Base Price
23½"	15"	18½"	**MUPC24BFL** ☒4/24	$1066
28½"	15"	18½"	**MUPC30BFL** ☒4/24	$1320

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

☒4/24 = Last order entry
April 14, 2024

Mobile Pedestals X4/24

With Avenir Pulls

▶ Need help? Product details, page 86

Standard Includes	Required to Specify
• Pedestal: paint price group 1 • 1/8"H steel top: paint to match pedestal • Drawer pulls: all paint price groups • Lock, keyed random: 9201 Polished Chrome • Non-locking, hard-composition casters: black only • Counterweight package • Drawer interiors: black only —One pencil tray and one box drawer divider • Factory-installed cushion top, if selected: —Cushion upholstery: price group 1 —Retractable handle: black only	1 Style number 2 Paint color number for pedestal 3 Paint color number for drawer pulls 4 Fabric color number for cushion upholstery (MUP2224BFSC only) 5 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

Tip: Optional tops will increase the overall pedestal height.

For laminate group 2 and 3 pricing, *please refer to the electronic catalog or SmartTools.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Pedestal**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$ 111	Specify paint color number.
Tops	• 1"H square edge steel top	+$ 105	Specify *with steel square top.*
	Laminate top		
	• 1 3/16"H square edge laminate price group 1 top	+$ 440	Specify *with laminate top* and indicate laminate color number.
	• 1 7/16"H bullnose laminate price group 1 top	+$ 500	Specify *with bullnose laminate top* and indicate laminate color number.
	• 1 3/16"H square edge laminate price group 2 top	See information at left	Specify *with laminate top* and indicate laminate color number.
	• 1 7/16"H bullnose laminate price group 2 top	See information at left	Specify *with bullnose laminate top* and indicate laminate color number.
	• 1 3/16"H square edge laminate price group 3 top	See information at left	Specify *with laminate top* and indicate laminate color number.
	• 1 7/16"H bullnose laminate price group 3 top	See information at left	Specify *with bullnose laminate top* and indicate laminate color number.
	• Open Line laminate on laminate top	+$ 102 plus cost of laminate	▶ See *Surface Materials Reference Manual.*
	Wood veneer top		
	• 1 3/16"H wood group 1 veneer top	+$ 595	Specify *with wood veneer top* and indicate wood color number.
	• Customiz stain on wood top	No cost	Specify *with Customiz stain.* ▶ See *Surface Materials Reference Manual.*
	Upholstery on cushion top		
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+$ 12	Specify fabric color number.
	• Fabric price group 3	+$ 59	Specify fabric color number.
	• Fabric price group 4	+$ 73	Specify fabric color number.
	• Fabric price group 5	+$ 92	Specify fabric color number.
	• Fabric price group 6	+$ 129	Specify fabric color number.
	• Fabric price group 7	+$ 154	Specify fabric color number.
	• Fabric price group 8	+$ 223	Specify fabric color number.
	• Fabric price group 9	+$ 286	Specify fabric color number.
	• Fabric price group 10	+$ 348	Specify fabric color number.
	• Leather price group	+$ 894	Specify leather color number. ▶ See *Surface Materials,* page 242.
	• Select Surfaces leather price group 1	+$ 894	▶ See *Surface Materials Reference Manual.*
	• Elmosoft leather price group	+$1030	Specify Elmosoft leather color number.
	• Select Surfaces leather price group 2	+$1030	▶ See *Surface Materials Reference Manual.*
	• Vinyl	+$ 12	Specify vinyl color number.
	• Customer's Own Material (COM) or Customer's Own Leather (COL)	+$ 23	▶ See *Surface Materials Reference Manual* to specify.

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

▶ **Options, continued on next page**

X4/24 = Last order entry
April 14, 2024

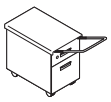
▶ **Options, continued from previous page**

	Options	U.S. Price	Required to Specify
Drawer Accessories	**Rails** • Two side-to-side hanging file rails per file drawer	No cost	Specify *with rails.*
Lock and Keying	**Lock** • Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying • Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 211–212

Specification Information

One Box and One File Drawer

• Dimensions D	W	H	• Style Number	• U.S. Base Price
23½"	15"	21"	**MUP2224BFS** X4/24	$1746



One Box and One File Drawer with Factory-Installed Pedestal Cushion Top with Handle

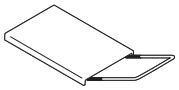
• Dimensions D	W	H	• Style Number	• U.S. Base Price
23½"	15"	23¼"	**MUP2224BFSC** X4/24	$2531

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

X4/24 = Last order entry
April 14, 2024

Mobile Pedestal Cushion Tops

Field-Installed Kit



Standard Includes	Required to Specify
▶ Need help? Product details, page 86	• Cushion upholstery: price group 1 • Retractable handle, if selected: black only • Template for installation	1 Style number 2 Fabric color number for cushion upholstery 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Upholstery**		
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+$ 12	Specify fabric color number.
	• Fabric price group 3	+$ 59	Specify fabric color number.
	• Fabric price group 4	+$ 73	Specify fabric color number.
	• Fabric price group 5	+$ 92	Specify fabric color number.
	• Fabric price group 6	+$ 129	Specify fabric color number.
	• Fabric price group 7	+$ 154	Specify fabric color number.
	• Fabric price group 8	+$ 223	Specify fabric color number.
	• Fabric price group 9	+$ 286	Specify fabric color number.
	• Fabric price group 10	+$ 348	Specify fabric color number.
	• Leather price group	+$ 894	Specify leather color number.
	• Select Surfaces leather price group 1	+$ 894	▶ See *Surface Materials Reference Manual.*
	• Elmosoft leather price group	+$1030	Specify Elmosoft leather color number. ▶ See *Surface Materials,* page 242.
	• Select Surfaces leather price group 2	+$1030	▶ See *Surface Materials Reference Manual.*
	• Vinyl	+$ 12	Specify vinyl color number.
	• Customer's Own Material (COM) or Customer's Own Leather (COL)	+$ 23	▶ See *Surface Materials Reference Manual.*

Tip: Mobile pedestal cushion top can be used with Avenir mobile pedestal MUP2224BFS and 200 Series BUMPF24BFL pedestals only.

Specification Information

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

For Use with Avenir and 200 Series Box File Mobile Pedestals

Cushion Top with Black Handle

23½"	15"	**RPXTCH24P**	$649

Cushion Top without Handle

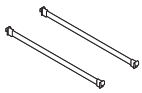
23½"	15"	**RPXTC24P**	$483

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

Accessories for Pedestals

Rails

For Use in Pedestals Manufactured after February 22, 2004
For Use in Universal Towers and Universal Workstation Verticals



Tip: Two rails per drawer accommodate side-to-side filing of letter, A4-, and legal-size hanging folders.

Tip: For pedestals manufactured on or before February 22, 2004, see Service Parts catalog.

Standard Includes	Required to Specify
▶ Need help? Product details, page 89	• Package of two rails: black only	Style number

Specification Information

Width	Style Number	U.S. Price
12"	**RXADRL15**	$37

Dividers

For Use in Pedestals Manufactured after February 22, 2004
For Use in Universal Towers and Universal Workstation Verticals

Tip: For pedestals manufactured on or before February 22, 2004, see Service Parts catalog.

Standard Includes	Required to Specify
▶ Need help? Product details, page 89	• Package of two dividers: black only	Style number

Specification Information

For Use in 6"H Drawers

Width	Quantity	Style Number	U.S. Price
12"	2	**RDV1506**	$ 59

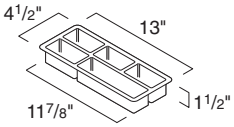
For Use in 12"H Drawers

Width	Quantity	Style Number	U.S. Price
12"	2	**RDV1512**	$ 63
12"	10	**RDV151210**	$296

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

Pencil Tray

For Use in Pedestals, Universal Towers, and Universal Workstation Verticals



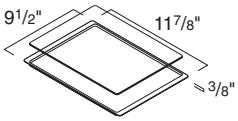
Tip: Pedestals with box drawers include one pencil tray per pedestal.

Standard Includes	Required to Specify
▶ Need help? Product details, page 88 • Pencil tray: black only	Style number

Specification Information

Style Number	U.S. Price
RPXDPT	$51

Reference Shelf



Standard Includes	Required to Specify
▶ Need help? Product details, page 88 • Reference shelf: black only • Insert: clear plastic only	Style number

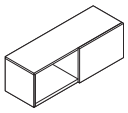
Specification Information

Style Number	U.S. Price
RPXDRS	$74

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

Universal Sliding Door Bins with Steel Fronts X 4/24

For Use with Avenir



▶ Need help? Product details, page 90

Standard Includes	Required to Specify
• Overhead bin: paint price group 1 • Sliding door: paint price group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Vertical off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin and steel door 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$111	Specify paint color number.
			▶ See *Surface Materials Reference Manual.*
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	–$ 31	Specify *omit brackets.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	–$104	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

Specification Information

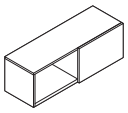
Dimensions D	W	H	Style Number	U.S. Base Price
15¾"	36"	16¼"	**RSB36AVR** X4/24	$1050
15¾"	42"	16¼"	**RSB42AVR** X4/24	$1088
15¾"	48"	16¼"	**RSB48AVR** X4/24	$1119
15¾"	60"	16¼"	**RSB60AVR** X4/24	$1693
15¾"	66"	16¼"	**RSB66AVR** X4/24	$1784
15¾"	72"	16¼"	**RSB72AVR** X4/24	$1852

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

X4/24 = Last order entry
April 14, 2024

Universal Sliding Door Bins with Laminate Fronts X 4/24

For Use with Avenir



▶ Need help? Product details, page 90

Standard Includes	Required to Specify
• Overhead bin: paint price group 1 • Sliding door: laminate price group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Vertical off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin 3 Laminate color number for door 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

For laminate price group 2 and 3 pricing, *please refer to the electronic catalog or SmartTools.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1 on bin	No cost	Specify paint color number.
	• Paint price group 2 on bin	+$ 65	Specify paint color number.
	• Paint price group 3 on bin	+$101	Specify paint color number. ▶ See *Surface Materials Reference Manual.*
	• Laminate price group 2 on door	See information at left	Specify laminate color number.
	• Laminate price group 3 on door	See information at left	Specify laminate color number.
	• Open Line laminate on door	+$102 plus cost of laminate	▶ See *Surface Materials Reference Manual.*
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	–$ 31	Specify *omit brackets.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	–$104	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

Specification Information

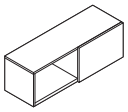
Dimensions D	W	H	Style Number	U.S. Base Price
15¾"	36"	16¼"	**RSB36LAVR** X4/24	$1602
15¾"	42"	16¼"	**RSB42LAVR** X4/24	$1640
15¾"	48"	16¼"	**RSB48LAVR** X4/24	$1671
15¾"	60"	16¼"	**RSB60LAVR** X4/24	$2692
15¾"	66"	16¼"	**RSB66LAVR** X4/24	$2783
15¾"	72"	16¼"	**RSB72LAVR** X4/24	$2851

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

X4/24 = Last order entry April 14, 2024

Universal Sliding Door Bins with Wood Fronts X4/24

For Use with Avenir



▶ Need help? Product details, page 90

Standard Includes	Required to Specify
• Overhead bin: paint price group 1 • Sliding door: wood group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Vertical off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin 3 Wood color number for door 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$101	Specify paint color number.
	• Customiz stain on wood door	No cost	Specify *with Customiz stain*. ▶ See *Surface Materials Reference Manual*.
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	–$ 31	Specify *omit brackets.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	–$104	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

Specification Information

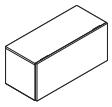
Dimensions D	W	H	Style Number	U.S. Base Price
15¾"	36"	16¼"	**RSB36WAVR X4/24**	$1646
15¾"	42"	16¼"	**RSB42WAVR X4/24**	$1684
15¾"	48"	16¼"	**RSB48WAVR X4/24**	$1715
15¾"	60"	16¼"	**RSB60WAVR X4/24**	$2736
15¾"	66"	16¼"	**RSB66WAVR X4/24**	$2827
15¾"	72"	16¼"	**RSB72WAVR X4/24**	$2895

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

X4/24 = Last order entry
April 14, 2024

Universal Over the Case Bins with Flat Fronts X4/24

For Use with Avenir



▶ Need help? Product details, page 94

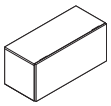
Standard Includes	Required to Specify
• Overhead bin with lift-up door: paint price group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$111	Specify paint color number.
	Overhead bin with two doors		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 88	Specify paint color number.
	• Paint price group 3	+$155	Specify paint color number.
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	–$ 31	Specify *omit brackets.*
Picture Frame Door	• Omit insert	Prices at right	Specify *omit insert.*
Door Mechanism	• Assist mechanism for standard door or omit insert	+$288 per door	Specify *with assist mechanism.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	–$104 per door	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

Tip: When ordering the omit insert option, remember that custom material cannot be factory installed. Custom material must be ordered from a material vendor.

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

X4/24 = Last order entry
April 14, 2024



Specification Information

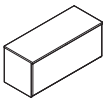
Dimensions D	W	H	Number of Doors	Style Number	U.S. Base Price	Option (Add $ to Base Price) Picture Frame Door —Omit Insert
15¾"	24"	16¼"	1	**RBB24QAVR** X4/24	$1032	+$403
15¾"	30"	16¼"	1	**RBB30QAVR** X4/24	$1071	+$425
15¾"	36"	16¼"	1	**RBB36QAVR** X4/24	$1093	+$447
15¾"	42"	16¼"	1	**RBB42QAVR** X4/24	$1131	+$464
15¾"	48"	16¼"	1	**RBB48QAVR** X4/24	$1169	+$484
15¾"	60"	16¼"	2	**RBB60QAVR** X4/24	$1867	+$795
15¾"	66"	16¼"	2	**RBB66QAVR** X4/24	$1941	+$813
15¾"	72"	16¼"	2	**RBB72QAVR** X4/24	$2034	+$831

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

X4/24 = Last order entry
April 14, 2024

Universal In the Case Bins with Steel Flat Fronts X4/24

For Use with Avenir



▶ Need help? Product details, page 98

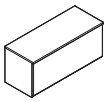
Standard Includes	Required to Specify
• Overhead bin with lift-up door: paint price group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$111	Specify paint color number.
	Overhead bin with two doors		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 88	Specify paint color number.
	• Paint price group 3	+$155	Specify paint color number.
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	–$ 31	Specify *omit brackets.*
Picture Frame Door	• Omit insert	Prices at right	Specify *omit insert.*
Door Mechanism	• Assist mechanism for standard door or omit insert	+$288 per door	Specify *with assist mechanism.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	–$104 per door	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

Tip: When ordering the omit insert option, remember that custom material cannot be factory installed. Custom material must be ordered from a material vendor.

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

X4/24 = Last order entry
April 14, 2024



Specification Information

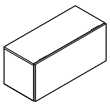
Dimensions D	W	H	Number of Doors	Style Number	U.S. Base Price	Option (Add $ to Base Price) Picture Frame Door —Omit Insert
15¾"	24"	16¼"	1	**RBB24AVR** X4/24	$1032	+$403
15¾"	30"	16¼"	1	**RBB30AVR** X4/24	$1071	+$425
15¾"	36"	16¼"	1	**RBB36AVR** X4/24	$1093	+$447
15¾"	42"	16¼"	1	**RBB42AVR** X4/24	$1131	+$464
15¾"	48"	16¼"	1	**RBB48AVR** X4/24	$1169	+$484
15¾"	60"	16¼"	2	**RBB60AVR** X4/24	$1805	+$795
15¾"	66"	16¼"	2	**RBB66AVR** X4/24	$1878	+$813
15¾"	72"	16¼"	2	**RBB72AVR** X4/24	$2034	+$831

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

X4/24 = Last order entry
April 14, 2024

Universal In the Case Bins with Laminate Flat Fronts X4/24

For Use with Avenir



▶ Need help? Product details, page 98

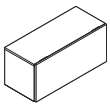
Standard Includes	Required to Specify
• Overhead bin: paint price group 1 • Lift-up door: laminate price group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin 3 Laminate color number for door 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

For laminate price group 2 and 3 pricing, *please refer to the electronic catalog or SmartTools.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1 on bin	No cost	Specify paint color number.
	• Paint price group 2 on bin	+$ 65	Specify paint color number.
	• Paint price group 3 on bin	+$101	Specify paint color number.
			▶ See *Surface Materials Reference Manual*.
	• Laminate price group 2 on door	See information at left	Specify laminate color number.
	• Laminate price group 3 on door	See information at left	Specify laminate color number.
	• Open Line laminate on door	+$102 plus cost of laminate	▶ See *Surface Materials Reference Manual*.
	Overhead bin with two doors		
	• Paint price group 1 on bin	No cost	Specify paint color number.
	• Paint price group 2 on bin	+$ 88	Specify paint color number.
	• Paint price group 3 on bin	+$135	Specify paint color number.
	• Laminate price group 2 on doors	See information at left	Specify laminate color number.
	• Laminate price group 3 on doors	See information at left	Specify laminate color number.
	• Open Line laminate on doors	+$102 plus cost of laminate	▶ See *Surface Materials Reference Manual*.
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	–$ 31	Specify *omit brackets.*
Door Mechanism	• Assist mechanism	+$288 per door	Specify *with assist mechanism.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	–$104 per door	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

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

X4/24 = Last order entry
April 14, 2024



Specification Information

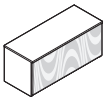
Dimensions D	W	H	Number of Doors	Style Number	U.S. Base Price
15¾"	24"	16¼"	1	**RBB24LAVR** X4/24	$1584
15¾"	30"	16¼"	1	**RBB30LAVR** X4/24	$1623
15¾"	36"	16¼"	1	**RBB36LAVR** X4/24	$1645
15¾"	42"	16¼"	1	**RBB42LAVR** X4/24	$1683
15¾"	48"	16¼"	1	**RBB48LAVR** X4/24	$1721
15¾"	60"	16¼"	2	**RBB60LAVR** X4/24	$2804
15¾"	66"	16¼"	2	**RBB66LAVR** X4/24	$2877
15¾"	72"	16¼"	2	**RBB72LAVR** X4/24	$3033

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

X4/24 = Last order entry
April 14, 2024

Universal In the Case Bins with Wood Flat Fronts X4/24

For Use with Avenir



▶ Need help? Product details, page 98

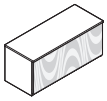
Standard Includes	Required to Specify
• Overhead bin: paint price group 1 • Lift-up door: wood group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment brackets with safety catch: black paint only • Off-module attachment brackets, if selected: black paint only • Lock, keyed random: 9201 Polished Chrome	1 Style number 2 Paint color number for overhead bin 3 Wood color number for door 4 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

For wood group 2 and 3 pricing, *please refer to the electronic catalog or SmartTools.*

	Options	U.S. Price	Required to Specify
Surface Materials	**Overhead bin with one door**		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 65	Specify paint color number.
	• Paint price group 3	+$111	Specify paint color number.
	• Wood group 2 on wood door	See information at left	Specify wood color number.
	• Wood group 3 on wood door	See information at left	Specify wood color number.
	• Customiz stain on wood door	No cost	Specify *with Customiz stain*.
			▶ See *Surface Materials Reference Manual*.
	Overhead bin with two doors		
	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 88	Specify paint color number.
	• Paint price group 3	+$135	Specify paint color number.
	• Wood group 2	See information at left	Specify wood color number.
	• Wood group 3	See information at left	Specify wood color number.
	• Customiz stain on wood door	No cost	Specify *with Customiz stain*.
			▶ See *Surface Materials Reference Manual*.
Brackets	**Off-module attachment brackets**		
	• One vertical off-module bracket	+$ 98	Specify *with one vertical off-module bracket.*
	• Two vertical off-module brackets	+$196	Specify *with two vertical off-module brackets.*
	No brackets		
	• Omit brackets	−$ 31	Specify *omit brackets.*
Door Mechanism	• Assist mechanism	+$288 per door	Specify *with assist mechanism.*
Shelf Accessories	• Four dividers: white plastic	+$ 76	Specify *with dividers.*
Lock and Keying	**Lock**		
	• No lock	−$104 per door	Specify *with no lock.*
	• Ember Chrome	No cost	Specify *with 9250 Ember Chrome lock.*
	Keying		
	• Factory- and field-installed keying		▶ Page 262
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

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

X4/24 = Last order entry
April 14, 2024



Specification Information

Dimensions D	W	H	Number of Doors	Style Number	U.S. Base Price
15¾"	24"	16¼"	1	**RBB24WAVR** X4/24	$1628
15¾"	30"	16¼"	1	**RBB30WAVR** X4/24	$1667
15¾"	36"	16¼"	1	**RBB36WAVR** X4/24	$1689
15¾"	42"	16¼"	1	**RBB42WAVR** X4/24	$1727
15¾"	48"	16¼"	1	**RBB48WAVR** X4/24	$1765
15¾"	60"	16¼"	2	**RBB60WAVR** X4/24	$2848
15¾"	66"	16¼"	2	**RBB66WAVR** X4/24	$2921
15¾"	72"	16¼"	2	**RBB72WAVR** X4/24	$3077

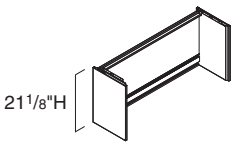
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶See page 1 for details.

X4/24 = Last order entry
April 14, 2024

Hutch Kits

Hutch Kits

For Use with Universal Sliding Door, Universal Over the Case, and Universal In the Case Bins



Tip: A hutch kit cannot support more than one bin.

Tip: Be sure to order the storage bin in the same paint finish as the hutch kit. Storage bin is ordered separately.

Tip: To price a tackboard with fabrics in two different price groups on opposite sides, add the two prices together and divide by two.

Tip: 66"W and 72"W tackboards accommodate fabric in the horizontal direction only.

	Standard Includes	Required to Specify
▶ Need help? Product details, page 102	• Steel back to enclose storage bin, end supports, accessory rail, and one non-handed cable manager: paint price group 1 • Double-sided tackboard, fabric direction with horizontal application: fabric price group 1 • Attachment hardware	1 Style number 2 Paint color number for end supports, back, accessory rail, and cord manager 3 Fabric color number for tackboard surface 1 (front) 4 Fabric color number for tackboard surface 2 (back) 5 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$ 60	Specify paint color number.
	• Paint price group 3	+$101	Specify paint color number.
	Tackboard		
	• Fabric price group 1	No cost	Specify fabric color number.
	• Fabric price group 2	+$ 34	Specify fabric color number.
	• Fabric price group 3	+$162	Specify fabric color number.
	• Fabric price group 4	+$218	Specify fabric color number.
	• Fabric price group 5	+$348	Specify fabric color number.
	• Fabric price group COM	+$ 46	▶ See *Surface Materials Reference Manual* to specify.
	Fabric direction on 48"W and 60"W tackboards		
	• Vertical application	No cost	Specify *with vertical application.*
Related Products	• Universal sliding door bins		▶ Pages 213–215
	• Universal over the case bins and Universal in the case bins		▶ Pages 216–223

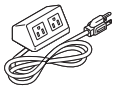
Specification Information

Width	Style Number	U.S. Base Price
48"	**RHK48**	$713
60"	**RHK60**	$766
66"	**RHK66**	$798
72"	**RHK72**	$824

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

Hutch Kit Receptacle X 4/24

For Use with Hutch Kit Accessory Rail



Standard Includes	Required to Specify
▶ Need help? Product details, page 103	• One hutch kit receptacle with 9' cord and three-prong plug: black only • Rail attachment hardware	Style number

Specification Information

Style Number	U.S. Price
RHKRECPT X4/24	$187

Hutch Kit Cable Manager

Standard Includes	Required to Specify
▶ Need help? Product details, page 103	• Package of two hutch kit cable managers: paint	1 Style number 2 Paint color number for cable managers ▶ See *Surface Materials,* page 242.

Specification Information

Height	Style Number	U.S. Price
19⅜"	**RHKCM**	$78

Hutch Connector Bracket

Standard Includes	Required to Specify
▶ Need help? Product details, page 103	• Bracket: paint	1 Style number 2 Paint color number for bracket ▶ See *Surface Materials,* page 242.

Specification Information

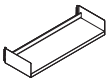
Height	Style Number	U.S. Price
21⅛"	**RHKESB**	$116

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

X4/24 = Last order entry
April 14, 2024

Universal Shelves X4/24

For Use with Avenir



Standard Includes	Required to Specify
▶ Need help? Product details, page 104	• Shelf: paint price group 1 • Recess beneath unit to accommodate shelf light • Shelf backstop • On-module attachment hooks with safety catch	1 Style number 2 Paint color number for shelf 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$22	Specify paint color number.
	• Paint price group 3	+$36	Specify paint color number.
Related Products	• Accessories		▶ Pages 228–230
	• Shelf lights		▶ Pages 234–236

Specification Information

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

For Use with Avenir

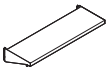
14¾"	24"	7½"	**RSH24AVR** X4/24	$337
14¾"	30"	7½"	**RSH30AVR** X4/24	$350
14¾"	36"	7½"	**RSH36AVR** X4/24	$370
14¾"	42"	7½"	**RSH42AVR** X4/24	$395
14¾"	48"	7½"	**RSH48AVR** X4/24	$429
14¾"	60"	7½"	**RSH60AVR** X4/24	$476
14¾"	72"	7½"	**RSH72AVR** X4/24	$530

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

X4/24 = Last order entry
April 14, 2024

Universal Personal Shelves X4/24

For Use with Avenir



Standard Includes	Required to Specify
▶ Need help? Product details, page 104	1 Style number
• Personal shelf: paint price group 1	2 Paint color number for personal shelf
• Recess beneath unit to accommodate shelf light	3 Options, if selected (see below)
• On-module attachment hooks	▶ See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$22	Specify paint color number.
	• Paint price group 3	+$36	Specify paint color number.

Specification Information

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

For Use with Avenir

13 11/16"	24"	**RDS24AVR** X4/24	$343
13 11/16"	30"	**RDS30AVR** X4/24	$352
13 11/16"	36"	**RDS36AVR** X4/24	$373
13 11/16"	42"	**RDS42AVR** X4/24	$400
13 11/16"	48"	**RDS48AVR** X4/24	$434

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

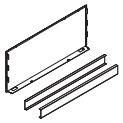
X4/24 = Last order entry
April 14, 2024

Accessories

For Overhead Bins and Shelves

Horizontal Wall Attachment Brackets

For Use with Universal Sliding Door, Universal Over the Case, and Universal In the Case Bins



Standard Includes	Required to Specify
▶ Need help? Product details, page 108	1 Style number 2 Paint color number for brackets and back 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• Brackets: paint price group 1 • Steel back to enclose storage bin: paint price group 1	

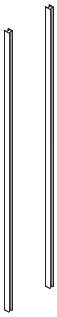
Options	U.S. Price	Required to Specify
Surface Materials		
• Paint price group 1	No cost	Specify paint color number.
• Paint price group 2	+$22	Specify paint color number.
• Paint price group 3	+$36	Specify paint color number.

Specification Information

Width	Style Number	U.S. Base Price
24"	**RBKHWM24**	$335
30"	**RBKHWM30**	$335
36"	**RBKHWM36**	$335
42"	**RBKHWM42**	$335
48"	**RBKHWM48**	$335
60"	**RBKHWM60**	$335
72"	**RBKHWM72**	$335

Wall Channels X 4/24

For Use with Overhead Storage Products



Standard Includes	Required to Specify
▶ Need help? Product details, page 109	1 Style number 2 Paint color number for channels ▶ See *Surface Materials,* page 242.
• Two wall channels: all paint price groups	

Related Products	
• Tackboards	▶ Page 178

Specification Information

Height	Style Number	U.S. Price
39¾"	**PWC53** X 4/24	$214
49¾"	**PWC65** X 4/24	$214
64¾"	**PWC80** X 4/24	$214

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

X 4/24 = Last order entry
April 14, 2024

Wall Channel Horizontal Brace X 4/24

For Use with Overhead Storage Products

Standard Includes	Required to Specify
▶ Need help? Product details, page 109	• Horizontal brace: all paint price groups	1 Style number 2 Paint color number for brace ▶ See *Surface Materials,* page 242.

Specification Information

Width	Style Number	U.S. Price
42"	**PWCHB42** X4/24	$158
48"	**PWCHB48** X4/24	$158
60"	**PWCHB60** X4/24	$158
72"	**PWCHB72** X4/24	$158

Dividers

For Use with Universal Sliding Door, Universal Over the Case, and Universal In the Case Bins, and Universal Shelves Introduced in March 2007
For Use with Hutch Kit

Standard Includes	Required to Specify
▶ Need help? Product details, page 110	• Package of four dividers: white plastic only	Style number

Specification Information

Style Number	U.S. Price
RDIV	$76

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

X4/24 = Last order entry April 14, 2024

Universal Vertical Off-Module Bracket

For Use with Universal Sliding Door, Universal Over the Case, and Universal In the Case Bins

Standard Includes	Required to Specify
▶ Need help? Product details, page 91	• Vertical off-module bracket with safety catch: black paint only	Style number

Tip: For two-sided, off-module application, order two vertical off-module brackets.

Tip: Vertical off-module brackets are used with panels which have vertical slot patterns including Answer, Kick, Avenir, and Montage.

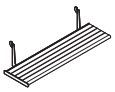
Tip: For Montage, vertical off-module brackets can be used with 30"W to 60"W bins only.

Specification Information

Style Number	U.S. Price
RBKVOFM	$95

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

Slim Shelves X 4/24



Standard Includes	Required to Specify
▶ Need help? Product details, page 111	1 Style number 2 Paint color number for shelf 3 Options, if selected (see below) ▶ See *Surface Materials,* page 242.
• Shelf: paint price group 1 • Attachment brackets: paint to match shelf	

Options		U.S. Price	Required to Specify
Surface Materials	• Paint price group 1	No cost	Specify paint color number.
	• Paint price group 2	+$22	Specify paint color number.
	• Paint price group 3	+$36	Specify paint color number.

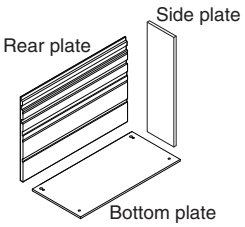
Specification Information

Dimensions D	Dimensions W	Style Number	U.S. Base Price
6"	24"	**RSS24AVR** X4/24	$319
6"	30"	**RSS30AVR** X4/24	$340
6"	36"	**RSS36AVR** X4/24	$364
6"	42"	**RSS42AVR** X4/24	$391
6"	48"	**RSS48AVR** X4/24	$416
6"	60"	**RSS60AVR** X4/24	$521
6"	72"	**RSS72AVR** X4/24	$570
6"	96"	**RSS96AVR** X4/24	$671

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

X4/24 = Last order entry
April 14, 2024

Counterweight Packages



Standard Includes	Required to Specify
▶ Need help? Product details, page 112 • Counterweight: black only • Attachment hardware	Style number

Specification Information

Package Number	Style Number	U.S. Price
Package 1	**RAACW1**	$180
Package 2	**RAACW2**	$180
Package 3	**RAACW3**	$180
Package 4	**RAACW4**	$235
Package 5	**RAACW5**	$329
Package 6	**RAACW6**	$329

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

Specifying Lighting

Lighting

Standard Shelf Lights **234**

LED Shelf Lights **236**

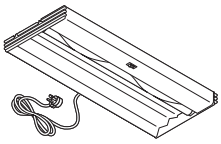
LED Linear Shelf Lights **238**

Standard Shelf Lights

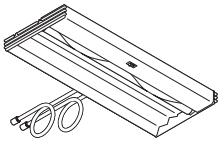
Tip: Daisy chaining shelf lights together extends power from one fixture to another within workstations to help keep receptacles clear for other uses.
▶See page 120 for more information.

Tip: Because shelf lights are usually recessed, black is the standard paint color. Paint colors other than black have an upcharge.

Tip: If an optional paint color is selected for the housing, the electrical switches and end caps will remain black plastic.



Tip: When ordering with standard power cord or Chicago cord, daisy chaining is not possible.



Tip: Remember to order a daisy chain starter cord separately.
▶See page 125.

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

	Standard Includes	Required to Specify
▶Need help? Product details, page 118	• Light housing with centered on-off switch: black paint • End cap cord managers: black plastic only • Cords: — Standard and Chicago (including circuit breaker), 9' cord with three-prong plug at 45° angle: black plastic only — Daisy chain, one 78" cord with modular connectors for daisy chaining: black plastic only • Contrast sleeve around lamp • Faceted reflector: white only • T8 3500K lamp • Ballast • Universal mounting hardware package • Daisy chain starter cord, if selected: black plastic only (order separately)	1 Style number 2 Paint color number, if other than black (see options below) 3 Options, if selected (see below) ▶See *Surface Materials,* page 242.

	Options	U.S. Price	Required to Specify
Surface Materials	• Painted light housing other than black	+$36	Specify paint color number for housing.
Bracket Option	• Competitive mounting package	No cost	Specify *with competitive mounting package.*
	• Flush mounting package	No cost	Specify *with flush mounting package* and paint color number for end cap covers.

Specification Information

Electronic High-Power-Factor Ballast

Dimensions D	W	H	Lamp Wattage	Style Number	U.S. Base Price
With Standard Power Cord					
9¼"	25"	1¾"	17 watts	**LSM24K**	$625
9¼"	37"	1¾"	25 watts	**LSM36K**	$662
9¼"	49"	1¾"	32 watts	**LSM48K**	$716
With Chicago Cord Including Circuit Breaker					
9¼"	25"	1¾"	17 watts	**LSM24KC**	$722
9¼"	37"	1¾"	25 watts	**LSM36KC**	$759
9¼"	49"	1¾"	32 watts	**LSM48KC**	$813
With Daisy Chain Cords					
9¼"	25"	1¾"	17 watts	**LSM24KD**	$680
9¼"	37"	1¾"	25 watts	**LSM36KD**	$717
9¼"	49"	1¾"	32 watts	**LSM48KD**	$771

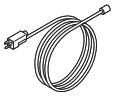
▶**Specification Information, continued on next page**

▶ **Specification Information, continued from previous page**

Related Products

Daisy Chain Starter Cord

Quantity in Package	Length	Style Number	U.S. Price
1	78"	**LS1FSC**	$ 86
6	78"	**LS6FSC**	$516



Tip: Use with standard shelf light with daisy chain cord only.

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

LED Shelf Lights

Tip: Maximum number of lights that can be daisy chained is three lights.

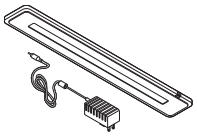
	Standard Includes	Required to Specify
▶ Need help? Product details, page 120	• Aluminum extrusion with plastic cover • Power supply with cord • Soft touch switch • Thin profile accommodates recessed and low profile flush mounting • Ultra energy efficient LED light source • Universal magnetic mounting • Polycarbonate matte film diffuser • Continuous dimming	1 Style number 2 Plastic color number for cover: 6000 Black 6009 Arctic White 3 Options, if selected (see below)

	Options	U.S. Price	Required to Specify
Mounting	• Fastener kit for use with wood shelf	+$9	Specify *with fastener kit.*

Specification Information

• Dimensions D	W	H	• Lamp Wattage	• Style Number	• U.S. Base Price

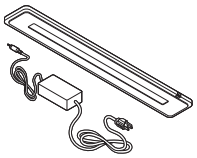
LED Standard Light



Tip: LED standard light comes with a 9' 18 watt power supply.

2½"	18"	½"	9.6 watts	**LSL18**	$506

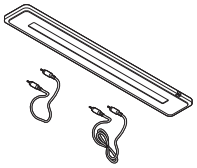
LED Daisy Chain Starter Light



Tip: Daisy chain starter light comes with a 60 watt power supply that will support up to three lights in series (11' cord; 6' from power supply to power outlet, 5' from power supply to fixture). Does not include daisy chain jumper cords.

2½"	18"	½"	9.6 watts	**LSL18YA**	$545

LED Daisy Chain Secondary Light



Tip: Daisy chain secondary light does not come with a power supply. Daisy chain cord package (8" and 30") comes standard with each secondary light.

2½"	18"	½"	9.6 watts	**LSL18YB**	$498

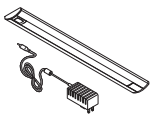
LED Linear Shelf Lights

Tip: The power supply for the 17" stand alone only uses a straight plug with a 9' 18 watt 24 volt wall transformer. The power supply for the 31", 44", 58", or 17" starter light uses a 11' 60 watt compact in-line brick with straight plug.

	Standard Includes	Required to Specify
▶Need help? Product details, page 122	• Task light and mounting bracket: 4231 Arctic White • Power supply with cord: black • Soft touch switch • Magnetic and wood mounting brackets • Continuous range dimmer • Automatic turn off program • Color temperature 3500K	1 Style number 2 Options, if selected (see below)

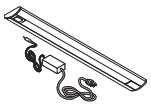
	Options	U.S. Price	Required to Specify
Surface Materials	• Painted light housing in 0835 Black	+$ 19	Specify *with 0835 Black.*
Occupancy Sensor	• 17"W, 31"W, 44"W, and 58"W with stand alone or daisy chain starter	+$187	Specify *with occupancy sensor.*
High Output	• 17"W with stand alone, starter, or secondary • 31"W, 44"W, and 58"W with stand alone or daisy chain starter, or secondary	+$118 +$201	Specify *with high output.* Specify *with high output.*

Specification Information



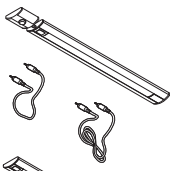
17" Stand Alone Light

Dimensions D	W	H	Style Number	U.S. Base Price
2"	17"	7/10"	**LLL17**	$384



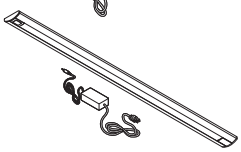
17" Daisy Chain Starter Light

Dimensions D	W	H	Style Number	U.S. Base Price
2"	17"	7/10"	**LLL17YA**	$447



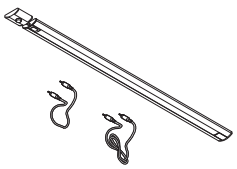
17" Daisy Chain Secondary Light

Dimensions D	W	H	Style Number	U.S. Base Price
2"	17"	7/10"	**LLL17YB**	$334



31" Stand Alone or Daisy Chain Starter Light

Dimensions D	W	H	Style Number	U.S. Base Price
2"	31"	7/10"	**LLL31**	$621



31" Daisy Chain Secondary Light

Dimensions D	W	H	Style Number	U.S. Base Price
2"	31"	7/10"	**LLL31YB**	$514

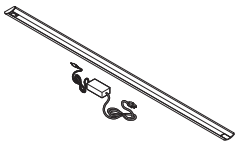
▶**Specification Information, continued on next page**

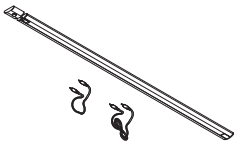
For Canadian Pricing
Multiply U.S. Price by the Canadian price factor.
▶See page 1 for details.

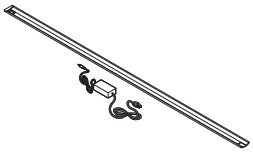
▶Specification Information, continued from previous page

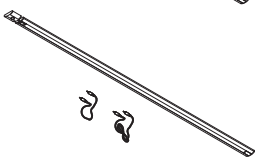
Specification Information

Dimensions D	W	H	Style Number	U.S. Base Price
44" Stand Alone or Daisy Chain Starter Light				
2"	44"	7/10"	**LLL44**	$ 824
44" Daisy Chain Secondary Light				
2"	44"	7/10"	**LLL44YB**	$ 690
58" Stand Alone or Daisy Chain Starter Light				
2"	58"	7/10"	**LLL58**	$1055
58" Daisy Chain Secondary Light				
2"	58"	7/10"	**LLL58YB**	$ 744









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

Surface Materials

Surface Materials	**242**
Paint, Textured Paint, and Coating Color Availability Matrix	**248**
Laminate Color Availability Matrix	**250**
Wood Color Availability Matrix	**251**
Plastic Color Availability Matrix	**252**
Vertical Surface Fabric Color Availability Matrix	**253**
Color Coordination Matrices	**254**
Trim Color Defaults	**257**
Specification Guidelines for Vertical Fabric Applications	**258**

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.*

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

Paint

Not every paint color is available on every painted component.

▶Refer to the *Paint, Textured Paint, and Coating Color Availability Matrix* on page 248 before specifying.

Ⓔ = Established

Steelcase Surfaces

Price Group 1

Smooth Paint

4238	Mocha
4239	Clay
4240	Chalk
4242	Milk

Textured Paint

7207	Black
7225	Sand
7237	Slate Ⓔ
7238	Fieldstone
7239	Midnight
7241	Arctic White
7243	Seagull
7250	Sterling Dark Solid

Price Group 2

Smooth Paint

4700	Warm White

Smooth Metallic Paint

4743	Mineral Metallic
4750	Champagne Metallic
4798	Sterling Metallic
4799	Platinum Metallic
4803	Near Black Metallic

Textured Metallic Paint

7245	Carbon Metallic
7246	Midnight Metallic

Price Group 3

Accent paint

1ATG	Rose Quartz
4AV3	Blue Jay
4AV4	Baltic
4AX1	Citron
4AY2	Chili
4AZ5	Marlin
4CL1	Dark Olivine
4CL2	Ice Blue
4CL3	Aura
4CL4	Sea Glass
4CL5	Light Matcha
4CL6	Terra
4CL7	Sandstone
4CL8	Smokey Plum
4CZ5	Honey
4CZ6	Lagoon
4CZ8	Light Peacock

Coatings

1ATT	Cast Shadow

Lux Coatings

4B20	Obsidian
4B22	Matte Brass
4B23	Burnished Bronze
4B24	Night Bronze
4B25	Matte Copper
4B26	Smoked Mica
4B29	Cast Iron

Custom Surfaces

Price Group 3

PerfectMatch

PerfectMatch is a service that allows you to create your own paint color. Refer to the *Surface Materials Reference Manual* for more information about this program.

Tip: A one-time $500 U.S. per color, per customer, registration fee will be invoiced. There is no additional upcharge for PerfectMatch paint on Avenir products.

▶See *PerfectMatch Paint or Coating* in the *Steelcase Surface Materials Reference Manual* for more details.

Accessory Paint

Steelcase Surfaces

4140	Arctic White Gloss
4144	Black Gloss

Laminate

Steelcase Surfaces

High-Pressure Laminate

Price Group 1

Not every laminate is available on all worksurfaces.

▶Refer to the *Laminate Color Availability Matrix* on page 250 before specifying.

Fiber Laminate

2850	Vanadium Fiber
2854	Vellum Fiber Ⓔ
2860	Granite Fiber
2862	Stucco Fiber Ⓔ

Micro Laminate

2920	Marl Micro
2921	Gypsum Micro
2922	Clay Micro

Patina Laminate

2870	Blonde 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
2HAA	Persian Salt
2HAB	Rose
2HAC	Indigo
2HAD	Green Citrine
2HAE	Dark Olivine
2HAF	Cloudy
2HMG	Merle
2HWU	Clay
2HWV	Chalk

Speckle Laminate

2820	Coffee 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
2536	Blackwood
2538	Clear Walnut
2592	Blonde on Maple Ⓔ
2714	Natural 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
2HWA	Grey Kingswood
2HWB	Planked Walnut
2HWD	Resolute Walnut
2HWE	Natural Recon
2HWF	Smoked Walnut

Price Group 2

Textured Laminate

2TH2	Fawn Cypress
2TH4	Saddle Oak
2TH5	Veranda Teak
2TH7	Walnut Heights
2UH1	Reclaimed Aggregate
2UH2	Reclaimed Gravel
2UH4	Cement*
2UH6	Sheetrock

**2UH4 Cement has limited availability, determined by product sizing and/or options.*

Price Group 3

Solid Laminate

24H1	Satin White
24H2	Satin Black
24H3	Satin Stone
24H4	Satin Mocha

Custom Surfaces

Open Line Laminate (OLL)

This service allows you to order non-standard laminate at an additional processing fee of $102 U.S. per unit, plus the cost of the laminate.

High-Pressure Laminate pricing does not include premium or digitally printed patterns from any suppliers. Laminate cost may also vary for basic or standard laminates from other suppliers. Please contact the OLL consultant at 616.475.2426 for pricing. The cost of the laminate will be added to your invoice as a separate line on the acknowledgement.

Edge color for custom laminate orders must be determined by the dealer and customer before orders can be entered. There are no additional charges beyond the initial $102 U.S. list to obtain different edge colors with Steelcase standard laminates.

Laminate Approval and Material Requirements
To confirm whether a particular laminate has already been tested for use on a specific Steelcase product or to determine material square foot requirements:
- Visit *www.steelcase.com*

For additional information, refer to the *Steelcase Surface Materials Reference Manual*.

Wood

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.

Ⓔ = Established

Steelcase Surfaces

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.

Veneer

Wood Group 1

Flat-Cut Open-Pore
3062 FC/OP Graphite Walnut
3402 FC/OP Clear Cherry (Aged)
3412 FC/OP Natural Cherry Ⓔ
3422 FC/OP Medium Cherry
3522 FC/OP Clear Maple
3592 FC/OP Blonde on Maple Ⓔ
3702 FC/OP Clear Walnut
3712 FC/OP Natural Walnut
3752 FC/OP Medium Walnut Ⓔ
3762 FC/OP Dark Walnut
3772 FC/OP Medium Mahogany on Walnut

Flat-Cut Open-Pore, Natural Veneer
3342 FC/OP Black Walnut
35A2 FC/OP Blanch Maple
37A2 FC/OP Thunder Walnut

Quarter-Cut Open-Pore
3042 QC/OP Ash Ⓔ
3222 QC/OP Clear Maple
3292 QC/OP Blonde on Maple Ⓔ
3302 QC/OP Clear Walnut
3312 QC/OP Natural Walnut
3352 QC/OP Medium Walnut Ⓔ
3362 QC/OP Dark Walnut
3372 QC/OP Medium Mahogany on Walnut
3382 QC/OP Graphite Walnut

Quarter-Cut Open-Pore, Natural Veneer
32A2 QC/OP Blanch Maple
33A2 QC/OP Thunder Walnut
3392 QC/OP Black Walnut

Rift-Cut Open-Pore
3602 RC/OP Desert Oak

Rift-Cut Full-Fill, Natural Veneer
36A2 RC/OP Volcanic Oak

Wood Group 3

Flat-Cut Open-Pore, Natural Veneer
3082 FC/OP Washed Walnut

Wood Group 1

Open-Pore Planked Veneer
3P41 OP Planked Cherry
3P51 OP Planked Maple
3P61 OP Planked Oak
3P71 OP Planked Walnut
3VFX OP Unmarked Oak

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.

Full-Fill

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 worksurface or field-installed top only.

Wood Group 2

Flat-Cut Full-Fill
3064 FC/FF Graphite Walnut
3404 FC/FF Clear Cherry (Aged)
3414 FC/FF Natural Cherry Ⓔ
3424 FC/FF Medium Cherry
3524 FC/FF Clear Maple
3544 FC/FF Blonde on Maple Ⓔ
3704 FC/FF Clear Walnut
3714 FC/FF Natural Walnut
3754 FC/FF Medium Walnut Ⓔ
3764 FC/FF Dark Walnut
3774 FC/FF Medium Mahogany on Walnut

Flat-Cut Full-Fill, Natural Veneer
3734 FC/FF Black Walnut

Quarter-Cut Full-Fill
3224 QC/FF Clear Maple
3294 QC/FF Blonde on Maple Ⓔ
3304 QC/FF Clear Walnut
3314 QC/FF Natural Walnut
3354 QC/FF Medium Walnut Ⓔ
3364 QC/FF Dark Walnut
3374 QC/FF Medium Mahogany on Walnut
3384 QC/FF Graphite Walnut

Quarter-Cut Full-Fill, Natural Veneer
3394 QC/FF Black Walnut

Rift-Cut Full-Fill
3604 RC/FF Desert Oak

Wood Group 3

Flat-Cut Full-Fill, Natural Veneer
3084 FC/FF Washed Walnut

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 available as Wood Group 3 as part of our Select Surfaces program, and supported like standard veneers to make ordering easy. Please see the Steelcase surface materials section on *village.steelcase.com* for sample information and product line availability. All premium veneers are in clear-coat.

Wood Group 3

Quarter-Cut Open-Pore
3832 QC/OP Figured Anegre

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* under the Select Surfaces section.

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 use 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 available with Wood Group 1 pricing as part of our Select Surfaces program.

Wood Group 1

Flat-Cut Open-Pore

3JDX FC/OP Oak Composite
3JJX FC/OP Walnut Composite

Quarter-Cut Open-Pore

3F8X QC/OP European Walnut Composite
3GGX QC/OP Zebrano Composite
3HGX QC/OP Oak Composite
3HVX QC/OP Walnut Composite
3ZNX QC/OP Night Cerused Oak Composite

Ⓔ = Established

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 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 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 4 weeks to formulate.

Requirements and information on ordering a Customiz stain color are found in the *Surface Materials Reference Manual.*

Plastic

Steelcase Surfaces

Plastic products may not be available in all colors listed below.

▶Refer to page 252 for an overview of the plastic colors that are available for each component.

6000 Black
6009 Arctic White
6052 Milk
6053 Seagull
6249 Platinum Solid
6612 Grey V2 Ⓔ
6631 Cream Ⓔ
6635 Dawn Ⓔ
6636 Mist
6654 Sand
6655 Warm White
6681 Grotto Ⓔ
6695 Midnight
6697 Fog

Tip: Light color plastic edges are susceptible to degradation due to normal wear and tear. Staining (e.g., ball point pen or clothing dyes such as blue jeans) and dirt effects are more pronounced in light colors and are not considered defects.

Metal

Steelcase Surfaces

8043 Clear Anodized Aluminum
9201 Polished Chrome
9250 Ember Chrome
(available for locks only)

Plated Metal

Steelcase Surfaces

Applies to:
• 800 Series pulls
9201 Polished Chrome

Glass

Steelcase Surfaces

6500 Clear
6530 Frosted

Accessory Paint

Steelcase Surfaces

4140 Arctic White Gloss
4144 Black Gloss

Vertical Surface Fabric

▶See page 253 for specific vertical surface availability.

Steelcase Surfaces

Price Group 1

Abacus E
P123 Portico
P124 Opus
P125 Cusp
P126 Artifact

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
P203 New Camel
P204 New Opal
P205 New Mist
P206 New Plum
P208 New Spearmint
P209 New Sky

Buzz2
5F03 Tomato
5F04 Red E
5F05 Burgundy
5F06 Sky E
5F07 Blue
5F08 Navy
5F15 Stone
5F16 Grey
5F17 Black
5G50 Dunegrass
5G51 Sable
5G55 Pumpkin
5G57 Rouge
5G59 Meadow
5G61 Cyan
5G62 Atlantic
5G63 Crocus
5G64 Alpine
5G65 Tornado

Charm
P505 Shell
P506 Mimosa
P507 Birch
P508 Sparkle
P510 Debut
P511 Clover
P513 Twilight

E = Established

Lapel
P409 Cement
P410 Pebble
P411 Beech
P412 Dune
P414 Sprout
P416 Maple
P417 Slate

Optic
P540 Hazel
P541 Twinkle
P542 Orion
P543 Seaglass
P546 Whiskey
P547 Bath
P548 Whisper
P549 Breezy
P551 Glimmer

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
P560 Melody
P562 Opus

Tinsel
P516 Lit
P517 Ego
P518 Fizz
P519 Muse
P520 Depth
P521 Bliss
P522 Grow
P523 Dolce

Price Group 2

Bariolage
G200 New Etude
G201 New Andante E
G202 New Cantata E
G203 New Adagio
G204 New Melody
G205 New Ballata

Code
5FA1 Fossil
5FA2 Gabbro
5FA3 Reed
5FA4 Bluff
5FA5 Sea Salt
5FA6 Cannon
5FA7 Tussah
5FA8 Mica
5FA9 Ecru
5FB1 Bamboo

Dovetail by Designtex
5H39 Light Mocha
5H40 Pebble
5H41 Warm White
5H42 Sandstone
5H43 Honeycomb
5H44 Terra
5H45 Honeydew
5H46 Denim
5H47 Storm
5H48 Ice Blue
5H49 Aura
5H50 Darkest Grey

Flip: Orbit
5F85 Mud Pie E
5F87 Petoskey
5F88 Pluto E
5F89 Papyrus
5F91 Blizzard
5F92 Briquette

Flip: TexHex
5F75 Mud Pie E
5F77 Petoskey
5F78 Pluto E
5F79 Papyrus
5F97 Blizzard
5F98 Briquette

Fresco
G001 Sandrift
G002 Mistiblu
G003 Faon
G006 Chamoline

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

SoftNext
5H27 Obsidian
5H28 Foggy Night
5H29 Greystone
5H30 Mocha
5H31 Clay
5H32 Sandstone
5H33 Chalk
5H34 Midnight
5H35 Blue Mica
5H36 Jade
5H37 Burnt Umber
5H38 Cinnabar

Stencil
P455 Midnight
P456 Mulberry
P457 Cracked Pepper
P458 Denim
P459 Chartreuse
P460 Bittersweet
P461 Mauvelous
P462 Bermuda
P463 Concrete
P464 Orchid
P465 Parchment
P466 Silk
P467 Sea Salt
P468 Honeydew
P469 Sepia

Price Group 3

Billiard Multi-Use by Designtex
5H11 Poppy
5H12 Tangelo
5H13 Citrine/Citron
5H14 Avocado
5H16 Indigo
5H17 Mallard
5H18 Teak
5H19 Cumulus
5H20 Pewter
5H21 Gunmetal
5H22 Ink
5H23 Rose Quartz
5H24 Sea Salt
5H25 Storm Cloud
5H26 Olivine

Seating

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

- Available on mobile pedestal cushion top only

Steelcase Surfaces

Price Group 1

Buzz2
Era
Jacks E
Link
New Black
Tip: New Black upholstery has color numbers in both price group 1 and price group 2.

Price Group 2

Chainmail
Cogent: Connect
Foundation
New Black
Nitelights
Stand In
Tip: New Black upholstery has color numbers in both price group 1 and price group 2.

Price Group 3

Billiard Multi-Use by Designtex
Gaja
Redeem
Retrieve

Price Group 5

Bo Peep
Remix

Price Group 6

Brisa

Price Group 7

Steelcut Trio

Leather

Café*
Steelcase Leather

Elmosoft Leather

Elmosoft Leather

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* 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*

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

Ⓔ = Established

Paint, Textured Paint, and Coating Color Availability Matrix

Paint, Textured Paint, and Coating Color Availability Matrix

Legend

- • = Not available
- ■ = Available
- □ = Available with exceptions
- Ⓔ = Established
- ▶ See specification pages for details.

	Paint Price Group 1 (Smooth)	4238 Mocha	4239 Clay	4240 Chalk	4242 Milk	Paint Price Group 1 (Textured)	7207 Black	7225 Sand	7237 Slate Ⓔ	7238 Fieldstone	7239 Midnight	7241 Arctic White	7243 Seagull	7250 Sterling Dark Solid	Paint Price Group 2 (Metallic)	4743 Mineral Metallic	4750 Champagne Metallic	4798 Sterling Metallic	4799 Platinum Metallic	4803 Near Black Metallic	7245 Carbon Metallic	7246 Midnight Metallic	Paint Price Group 3 (Coatings)	1ATT Cast Shadow	Paint Price Group 3 (Lux Coatings)
Panels																									
Transparent panel frame surface		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Panel stacker frame		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Panel door frame		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Connector packages		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Change-of-height panel connector		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Corner wire cover		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Top cap		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
End trim		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Base cover		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Panel coat hooks		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Panel stabilizer foot		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Power/cable poles		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Fillers		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Worksurfaces																									
Cantilevers		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Clear access end panels		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
End panels		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Back panels		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Post legs and columns		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		■	
Brackets		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Metal center drawer		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Adjustable-height legs		•	•	•	•		■	■	•	•	■	•	•	■		•	■	■	■	□	•	•		•	
Storage																									
Pedestals		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Storage bins, shelves, and hutch kits		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		■	
800 Series products		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Lighting																									
Shelf lights		•	•	•	•		■	■	■	■	■	■	■	■		■	■	■	■	•	•	■		•	
Accessory Products																									
Metal center drawer		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Wall channels		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	
Horizontal brace		■	■	■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■		•	

Paint Price Group 3 (Lux Coatings)	Paint Price Group 3 (PerfectMatch)
4B20 Obsidian	PerfectMatch
4B22 Matte Brass	
4B23 Burnished Bronze	
4B24 Night Bronze	
4B25 Matte Copper	
4B26 Smoked Mica	
4B29 Cast Iron	
•	■
•	■
•	■
•	■
•	■
•	■
•	■
•	■
•	■
•	■
•	■
•	•
•	■
•	■
•	■
•	□
■	■
•	■
•	■
•	•
•	■
■	■
•	■
•	■
•	■
•	■
•	■

Laminate Color Availability Matrix

	Universal Worksurfaces	Avenir Worksurfaces	Mobile Pedestal Tops	Universal Storage Bin Fronts
High-Pressure Laminates				
Fiber				
2850 Vanadium Fiber	■	■	■	■
2854 Vellum Fiber Ⓔ	■	■	■	■
2860 Granite Fiber	■	■	■	■
2862 Stucco Fiber Ⓔ	■	■	■	■
Micro				
2920 Marl Micro	■	■	■	■
2921 Gypsum Micro	■	■	■	■
2922 Clay Micro	■	■	■	■
Patina				
2870 Blonde Bronze Patina	■	■	■	■
2873 Instant Iron Patina	■	■	■	■
Solid				
24H1 Satin White	■	■	■	•
24H2 Satin Black	■	■	■	•
24H3 Satin Stone	■	■	■	•
24H4 Satin Mocha	■	■	■	•
2722 Cream Ⓔ	■	■	■	■
2730 Arctic White	■	■	■	■
2746 Black	■	■	■	■
2759 Warm White	■	■	■	■
2811 Mist Ⓔ	■	■	■	■
2883 Seagull	■	■	■	■
2884 Milk	■	■	■	■
2885 Dune	■	■	■	■
2HAA Persian Salt	■	■	■	■
2HAB Rose	■	■	■	■
2HAC Indigo	■	■	■	■
2HAD Green Citrine	■	■	■	■
2HAE Dark Olivine	■	■	■	■
2HAF Cloudy	■	■	■	■
2HMG Merle	■	■	■	■
2HWU Clay	■	■	■	■
2HWV Chalk	■	■	■	■
Speckle				
2820 Coffee Speckle Ⓔ	■	■	■	■
2823 Driftwood Speckle	■	■	■	■
2824 Smoke Speckle	■	■	■	■
2825 Vanadium Speckle	■	■	■	■

	Universal Worksurfaces	Avenir Worksurfaces	Mobile Pedestal Tops	Universal Storage Bin Fronts
Woodgrain				
2406 Clear Cherry Ⓔ	■	■	■	■
2409 Clear Maple	■	■	■	■
2410 Graphite Walnut	■	■	■	■
2412 Natural Cherry	■	■	■	■
2422 Medium Cherry	■	■	■	■
2511 Winter on Maple	■	■	■	■
2535 Virginia Walnut	■	•	•	■
2536 Blackwood Ⓔ	■	•	•	■
2538 Clear Walnut	■	■	■	■
2592 Blonde on Maple Ⓔ	■	■	■	■
2714 Natural 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	■	■	■	■
2HWA Grey Kingswood	■	■	■	■
2HWB Planked Walnut	■	■	■	■
2HWD Resolute Walnut	■	■	■	■
2HWE Natural Recon	■	■	■	■
2HWF Smoked Walnut	■	■	■	■
Textured Laminate				
2TH2 Fawn Cypress	■	■	■	■
2TH4 Saddle Oak	■	■	■	■
2TH5 Veranda Teak	■	■	■	■
2TH7 Walnut Heights	■	■	■	■
2UH1 Reclaimed Aggregate	■	■	■	■
2UH2 Reclaimed Gravel	■	■	■	■
2UH4 Cement	■	■	■	■
2UH6 Sheetrock	■	■	■	■

Legend

- • = Not available
- ■ = Available
- Ⓔ = Established
- ▶ See specification pages for details.

Wood Color Availability Matrix

	Panel top caps (low or medium only)	Worksurfaces (except curvilinear worksurfaces)	Mobile pedestal tops
Quarter Cut			
Maple			
3222 QC/OP Clear Maple*	■	■	■
3224 QC/FF Clear Maple*	■	■	•
3292 QC/OP Blonde on Maple Ⓔ	■	■	■
3294 QC/FF Blonde on Maple Ⓔ	■	■	•
Walnut			
3302 QC/OP Clear Walnut	■	■	■
3304 QC/FF Clear Walnut	■	■	•
3312 QC/OP Natural Walnut	■	■	■
3314 QC/FF Natural Walnut	■	■	•
3352 QC/OP Medium Walnut Ⓔ	■	■	■
3354 QC/FF Medium Walnut Ⓔ	■	■	•
3362 QC/OP Dark Walnut	■	■	■
3364 QC/FF Dark Walnut	■	■	•
3372 QC/OP Medium Mahogany on Walnut	■	■	■
3374 QC/FF Medium Mahogany on Walnut	■	■	•
3382 QC/OP Graphite Walnut	■	■	■
3384 QC/FF Graphite Walnut	■	■	•

Due to the nature of clear coat on the maple species, a sign-off will be required prior to orders being accepted for this finish. The sign-off sheet is available through Steelcase advertising stock. Form number 05-0001370

	Panel top caps (low or medium only)	Worksurfaces (except curvilinear worksurfaces)	Mobile pedestal tops
Flat Cut			
Cherry			
3402 FC/OP Clear Cherry (Aged)	■	■	■
3404 FC/FF Clear Cherry (Aged)	■	■	•
3412 FC/OP Natural Cherry Ⓔ	■	■	■
3414 FC/FF Natural Cherry Ⓔ	■	■	•
3422 FC/OP Medium Cherry	■	■	■
3424 FC/FF Medium Cherry	■	■	•
Maple			
3522 FC/OP Clear Maple*	■	■	■
3524 FC/FF Clear Maple*	■	■	•
3544 FC/FF Blonde on Maple Ⓔ	■	■	•
3592 FC/OP Blonde on Maple Ⓔ	■	■	■
Walnut			
3062 FC/OP Graphite Walnut	■	■	■
3064 FC/FF Graphite Walnut	■	■	•
3702 FC/OP Clear Walnut	■	■	■
3704 FC/FF Clear Walnut	■	■	•
3712 FC/OP Natural Walnut	■	■	■
3714 FC/FF Natural Walnut	■	■	•
3752 FC/OP Medium Walnut Ⓔ	■	■	■
3754 FC/FF Medium Walnut Ⓔ	■	■	•
3762 FC/OP Dark Walnut	■	■	■
3764 FC/FF Dark Walnut	■	■	•
3772 FC/OP Medium Mahogany on Walnut	■	■	■
3774 FC/FF Medium Mahogany on Walnut	■	■	•
Rift Cut			
3602 RC/OP Desert Oak	■	■	■
3604 RC/FF Desert Oak	■	■	•

Legend

• = Not available
■ = Available
Ⓔ = Established
▶ See specification pages for details.

Plastic Color Availability Matrix

Avenir Plastic Color Availability Matrix

Not every plastic component is available in every plastic color. This matrix gives you an overview of which plastic colors can be specified for each Avenir plastic component.

	6000 Black	**6009** Arctic White	**6052** Milk	**6053** Seagull	**6249** Platinum Solid	**6527** Merle	**6607** Woodrose E	**6608** Driftwood E	**6609** Smoke E	**6612** Grey V2 E	**6631** Cream E	**6635** Dawn E	**6636** Mist	**6654** Sand	**6655** Warm White	**6681** Grotto	**6695** Midnight	**6697** Fog
Panels																		
Panel base cable grommet	■	■	•	•	■	•	■	■	■	■	•	•	•	•	■	•	•	■
Receptacles	■	■	•	•	■	•	•	■	•	•	•	•	•	■	■	•	•	•
Avenir Worksurfaces																		
Worksurface grommet	■	■	■	■	■	•	•	•	•	■	•	•	•	■	■	•	■	■
Transaction worksurface edge	■	■	■	■	■	■	•	•	•	■	■	■	■	■	■	•	■	■
Curvilinear worksurface edge	■	■	■	■	■	■	•	•	•	■	■	■	■	■	■	•	■	■
Worksurface fillers: 1½"T	■	■	■	■	■	■	•	•	•	■	■	■	■	■	■	•	■	■

Products that are missing from the matrix are not available with these surface materials.

Legend

- • = Not available
- ■ = Available
- E = Established
- ▶ See specification pages for details.

Vertical Surface Fabric Color Availability Matrix

	Panels	Panel	Panel Stackers	Filler packages	Tackboards
Fabric Price Group 1					
Abacus Ⓔ		■	■	■	■
Alloy		■	■	■	■
Billiard Multi-Use by Designtex		□	■	□	■
Boccie		■	■	■	■
Buzz2		□	■	□	■
Charm		■	■	■	■
Lapel		■	■	■	■
Optic		■	■	■	■
Pianista		□	■	□	■
Rhythm		■	■	■	■
Tinsel		■	■	■	■
Fabric Price Group 2					
Bariolage		■	■	■	■
Code		■	■	■	■
Flip: Orbit		□	■	□	■
Flip: TexHex		□	■	□	■
Fresco		■	■	■	■
Latch		■	■	■	■
Stencil		□	■	□	■
Fabric Price Group COM					
COM		■	■	■	■

Legend

- • = Not available
- ■ = Available
- □ = Available with exceptions
- Ⓔ = Established
- ▶ See specification guide for details.

Color Coordination Matrices

Avenir Worksurfaces (Excluding Curvilinear)

Plastic edge trim color for all Avenir worksurfaces is determined by the worksurface color you select. The edge color is a default and cannot be specified.

All laminates, except woodgrain laminates, will have solid color plastic edging.

Woodgrain laminates will have woodgrain plastic edges and the grain of the edges will be horizontal. The woodgrain edge color will match the laminate color.

▶For information regarding location of plastic edge on applicable Avenir worksurfaces, see *"Standard Includes"* information.

Laminate Color	Default Plastic Edge Color
Fiber	
2850 Vanadium Fiber	**6654** Sand
2854 Vellum Fiber Ⓔ	**6655** Warm White
2860 Granite Fiber	**6000** Black
2862 Stucco Fiber Ⓔ	**6053** Seagull
Micro	
2920 Marl Micro	**6053** Seagull
2921 Gypsum Micro	**6654** Sand
2922 Clay Micro	**6654** Sand
Patina	
2870 Blonde Bronze Patina	**6654** Sand
2873 Instant Iron Patina	**6527** Merle
Solid	
24H1 Satin White	**6009** Arctic White
24H2 Satin Black	**6000** Black
24H3 Satin Stone	**6169** Stone
24H4 Satin Mocha	**6170** Mocha
2722 Cream Ⓔ	**6631** Cream Ⓔ
2730 Arctic White	**6697** Fog
2746 Black	**6000** Black
2759 Warm White	**6655** Warm White
2811 Mist Ⓔ	**6636** Mist
2883 Seagull	**6053** Seagull
2884 Milk	**6052** Milk
2885 Dune	**6654** Sand
2HAA Persian Salt	**61AA** Persian Salt
2HAB Rose	**61AB** Rose
2HAC Indigo	**61AC** Indigo
2HAD Green Citrine	**61AD** Green Citrine
2HAE Dark Olivine	**61AE** Dark Olivine
2HAF Cloudy	**61AF** Cloudy
2HMG Merle	**6527** Merle
Speckle	
2820 Coffee Speckle Ⓔ	**6631** Cream Ⓔ
2823 Driftwood Speckle	**6631** Cream Ⓔ
2824 Smoke Speckle	**6636** Mist
2825 Vanadium Speckle	**6619** Ice Ⓔ
Textured	
2TH2 Fawn Cypress	**6T02** Fawn Cypress
2TH4 Saddle Oak	**6T04** Saddle Oak
2TH5 Veranda Teak	**6T05** Veranda Teak
2TH7 Walnut Heights	**6T07** Walnut Heights
2UH1 Reclaimed Aggregate	**6T08** Aggregate
2UH2 Reclaimed Gravel	**6T09** Gravel
2UH4 Cement	**6T10** Cement
2UH6 Sheetrock	**6T12** Sheetrock

Laminate Color	Default Plastic Edge Color
Woodgrain	
2406 Clear Cherry Ⓔ	**6234** Clear Cherry
2409 Clear Maple	**6237** Clear Maple
2410 Graphite Walnut	**6231** Graphite Walnut
2412 Natural Cherry	**6034** Natural Cherry
2422 Medium Cherry	**6036** Medium Cherry
2511 Winter on Maple	**6037** Winter on Maple
2538 Clear Walnut	**6245** Clear Walnut
2592 Blonde on Maple Ⓔ	**6038** Blonde on Maple Ⓔ
2714 Natural Walnut Ⓔ	**6041** Natural Walnut Ⓔ
2HAK Clear Oak	**6219** Clear Oak
2HAN Ash Noce	**6707** Ash Noce
2HAT Acacia	**6213** Acacia
2HAW Ash Wenge	**6703** Ash Wenge
2HBN Bisque Noce	**6708** Bisque Noce
2HBW Bisque Wenge	**6705** Bisque Wenge
2HCN Clay Noce	**6709** Clay Noce
2HCW Clay Wenge	**6706** Clay Wenge
2HSN Storm Noce	**6710** Storm Noce
2HSW Storm Wenge	**6704** Storm Wenge

Ⓔ = Established

Avenir Curvilinear Worksurfaces

Plastic square edge trim color for all Avenir worksurfaces is determined by the worksurface color you select. The square edge color is a default and cannot be specified. Some worksurfaces have plastic T-mold edges that you can specify to coordinate or contrast with the laminate color that you select for the worksurface. The column at the far right lists recommended colors for use with each laminate color.

All laminates, except woodgrain laminates, will have solid color plastic edging.

Woodgrain laminates will have woodgrain plastic edges and the grain of the edges will be horizontal. The woodgrain edge color will match the laminate color.

Laminate Color		Default Plastic Square Edge Color		Suggested Color of Plastic T-Mold Edge	
Fiber					
2850	Vanadium Fiber	**6654**	Sand	**6654**	Sand
2854	Vellum Fiber (E)	**6655**	Warm White	**6655**	Warm White
2860	Granite Fiber	**6000**	Black	**6000**	Black
2862	Stucco Fiber (E)	**6053**	Seagull	**6053**	Seagull
Micro					
2920	Marl Micro	**6053**	Seagull	**6053**	Seagull
2921	Gypsum Micro	**6654**	Sand	**6654**	Sand
2922	Clay Micro	**6654**	Sand	**6654**	Sand
Patina					
2870	Blonde Bronze Patina	**6654**	Sand	**6654**	Sand
2873	Instant Iron Patina	**6527**	Merle	**6527**	Merle
Solid					
24H1	Satin White	**6009**	Arctic White	**6009**	Arctic White
24H2	Satin Black	**6000**	Black	**6000**	Black
24H3	Satin Stone	**6169**	Stone	**6527**	Merle
24H4	Satin Mocha	**6170**	Mocha	**6527**	Merle
2722	Cream (E)	**6631**	Cream (E)	**6631**	Cream (E)
2730	Arctic White	**6697**	Fog	**6697**	Fog
2746	Black	**6000**	Black	**6000**	Black
2759	Warm White	**6655**	Warm White	**6655**	Warm White
2811	Mist (E)	**6636**	Mist	**6636**	Mist
2883	Seagull	**6053**	Seagull	**6053**	Seagull
2884	Milk	**6052**	Milk	**6052**	Milk
2885	Dune	**6654**	Sand	**6654**	Sand
2HAA	Persian Salt	**61AA**	Persian Salt	**6249**	Platinum Solid
2HAB	Rose	**61AB**	Rose	**6053**	Seagull
2HAC	Indigo	**61AC**	Indigo	**6527**	Merle
2HAD	Green Citrine	**61AD**	Green Citrine	**6527**	Merle
2HAE	Dark Olivine	**61AE**	Dark Olivine	**6249**	Platinum Solid
2HAF	Cloudy	**61AF**	Cloudy	**6249**	Platinum Solid
2HMG	Merle	**6527**	Merle	**6527**	Merle
2HWU	Clay	**66WU**	Clay	**66WU**	Clay
2HWV	Chalk	**66WV**	Chalk	**66WV**	Chalk
Speckle					
2820	Coffee Speckle (E)	**6631**	Cream (E)	**6695**	Midnight Solid
2823	Driftwood Speckle	**6631**	Cream (E)	**6631**	Cream (E)
2824	Smoke Speckle	**6636**	Mist	**6636**	Mist
2825	Vanadium Speckle	**6619**	Ice (E)	**6631**	Cream (E)
Textured					
2TH2	Fawn Cypress	**6T02**	Fawn Cypress	**6654**	Sand
2TH4	Saddle Oak	**6T04**	Saddle Oak	**6695**	Midnight Solid
2TH5	Veranda Teak	**6T05**	Veranda Teak	**6612**	Grey V2 (E)
2TH7	Walnut Heights	**6T07**	Walnut Heights	**6695**	Midnight Solid
2UH1	Reclaimed Aggregate	**6T08**	Aggregate	**6612**	Grey V2 (E)
2UH2	Reclaimed Gravel	**6T09**	Gravel	**6527**	Merle
2UH4	Cement	**6T10**	Cement	**6636**	Mist
2UH6	Sheetrock	**6T12**	Sheetrock	**6654**	Sand

Continued on next page

(E) = Established

Avenir Curvilinear Worksurfaces, continued

Laminate Color Edge		Default Plastic Square Edge Color		Suggested Color of Plastic T-Mold	
Woodgrain					
2406	Clear Cherry Ⓔ	**6234**	Clear Cherry	**6695**	Midnight Solid
2409	Clear Maple	**6237**	Clear Maple	**6655**	Warm White
2410	Graphite Walnut	**6231**	Graphite Walnut	**6000**	Black
2412	Natural Cherry	**6034**	Natural Cherry	**6695**	Midnight Solid
2422	Medium Cherry	**6036**	Medium Cherry	**6695**	Midnight Solid
2511	Winter on Maple	**6037**	Winter on Maple	**6655**	Warm White
2538	Clear Walnut	**6245**	Clear Walnut	**6000**	Black
2592	Blonde on Maple Ⓔ	**6038**	Blonde on Maple Ⓔ	**6655**	Warm White
2714	Natural Walnut Ⓔ	**6041**	Natural Walnut Ⓔ	**6695**	Midnight Solid
2HAN	Ash Noce	**6707**	Ash Noce	**6654**	Sand
2HAW	Ash Wenge	**6703**	Ash Wenge	**6654**	Sand
2HBN	Bisque Noce	**6708**	Bisque Noce	**6631**	Cream Ⓔ
2HBW	Bisque Wenge	**6705**	Bisque Wenge	**6631**	Cream Ⓔ
2HCN	Clay Noce	**6709**	Clay Noce	**6612**	Grey V2 Ⓔ
2HCW	Clay Wenge	**6706**	Clay Wenge	**6612**	Grey V2 Ⓔ
2HSN	Storm Noce	**6710**	Storm Noce	**6527**	Merle
2HSW	Storm Wenge	**6704**	Storm Wenge	**6527**	Merle
2HWA	Grey Kingswood	**66WA**	Grey Kingswood	**6654**	Sand
2HWB	Planked Walnut	**66WB**	Planked Walnut	**6655**	Warm White Solid
2HWD	Resolute Walnut	**66WD**	Resolute Walnut	**6698**	Fieldstone
2HWE	Natural Recon	**66WE**	Natural Recon	**6654**	Sand
2HWF	Smoked Walnut	**66WF**	Smoked Walnut	**6249**	Platinum Solid

Ⓔ = Established

Trim Color Defaults

for Mobile Pedestal Laminate Tops

Plastic square edge trim color of tops that are added to files is determined by the laminate color you select for the top. The edge color is a default and cannot be specified.

All laminates, except woodgrain laminates, will have solid color plastic edging.

Woodgrain laminates will have woodgrain plastic edges and the grain of the edges will be horizontal.

Plastic square edge trim is applied to all four sides of laminate tops.

Plastic edge trim is applied only to the sides (left and right) and back of bullnose laminate tops.

Laminate Color		Default Plastic Color	
Fiber			
2850	Vanadium Fiber	**6654**	Sand
2854	Vellum Fiber Ⓔ	**6655**	Warm White
2860	Granite Fiber	**6000**	Black
2862	Stucco Fiber Ⓔ	**6053**	Seagull
Micro			
2920	Marl Micro	**6053**	Seagull
2921	Gypsum Micro	**6654**	Sand
2922	Clay Micro	**6654**	Sand
Patina			
2870	Blonde Bronze Patina	**6654**	Sand
2873	Instant Iron Patina	**6527**	Merle
Solid			
24H1	Satin White	**6009**	Arctic White
24H2	Satin Black	**6000**	Black
24H3	Satin Stone	**6169**	Stone
24H4	Satin Mocha	**6170**	Mocha
2722	Cream Ⓔ	**6631**	Cream Ⓔ
2730	Arctic White	**6697**	Fog
2746	Black	**6000**	Black
2759	Warm White	**6655**	Warm White
2811	Mist Ⓔ	**6636**	Mist
2883	Seagull	**6053**	Seagull
2884	Milk	**6052**	Milk
2885	Dune	**6654**	Sand
2HAA	Persian Salt	**61AA**	Persian Salt
2HAB	Rose	**61AB**	Rose
2HAC	Indigo	**61AC**	Indigo
2HAD	Green Citrine	**61AD**	Green Citrine
2HAE	Dark Olivine	**61AE**	Dark Olivine
2HAF	Cloudy	**61AF**	Cloudy
2HMG	Merle	**6527**	Merle
2HWU	Clay	**66WU**	Clay
2HWV	Chalk	**66WV**	Chalk

Laminate Color		Default Plastic Color	
Speckle			
2820	Coffee Speckle Ⓔ	**6631**	Cream Ⓔ
2823	Driftwood Speckle	**6631**	Cream Ⓔ
2824	Smoke Speckle	**6636**	Mist
2825	Vanadium Speckle	**6619**	Ice Ⓔ
Textured			
2TH2	Fawn Cypress	**6T02**	Fawn Cypress
2TH4	Saddle Oak	**6T04**	Saddle Oak
2TH5	Veranda Teak	**6T05**	Veranda Teak
2TH7	Walnut Heights	**6T07**	Walnut Heights
2UH1	Reclaimed Aggregate	**6T08**	Aggregate
2UH2	Reclaimed Gravel	**6T09**	Gravel
2UH4	Cement	**6T10**	Cement
2UH6	Sheetrock	**6T12**	Sheetrock
Woodgrain			
2406	Clear Cherry Ⓔ	**6234**	Clear Cherry
2409	Clear Maple	**6237**	Clear Maple
2410	Graphite Walnut	**6231**	Graphite Walnut
2412	Natural Cherry	**6034**	Natural Cherry
2422	Medium Cherry	**6036**	Medium Cherry
2511	Winter on Maple	**6037**	Winter on Maple
2538	Clear Walnut	**6245**	Clear Walnut
2592	Blonde on Maple Ⓔ	**6038**	Blonde on Maple Ⓔ
2714	Natural Walnut Ⓔ	**6041**	Natural Walnut Ⓔ
2HAK	Clear Oak	**6219**	Clear Oak
2HAT	Acacia	**6213**	Acacia
2HAW	Ash Wenge	**6703**	Ash Wenge
2HBW	Bisque Wenge	**6705**	Bisque Wenge
2HCW	Clay Wenge	**6706**	Clay Wenge
2HSW	Storm Wenge	**6704**	Storm Wenge
2HWA	Grey Kingswood	**66WA**	Grey Kingswood
2HWB	Planked Walnut	**66WB**	Planked Walnut
2HWD	Resolute Walnut	**66WD**	Resolute Walnut
2HWE	Natural Recon	**66WE**	Natural Recon
2HWF	Smoked Walnut	**66WF**	Smoked Walnut

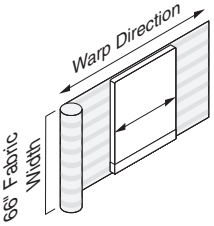
Ⓔ = Established

Specification Guidelines for Vertical Fabric Applications

What is the issue?
Some textiles are simple and look the same regardless of how you apply them to a product. Many other fabrics are patterned, textured, or have luster that will have a distinctly different appearance if applied in different directions on chairs or panels. Because of these differences, and the fact that there are limits to how some fabrics can be applied to Steelcase products, it is important to understand fabric application direction standards at Steelcase in order to avoid being disappointed.

Talking about direction
Fabrics come on rolls. The long yarns that run down the length of the roll are called the "warp" yarns. These yarns are used to define the direction you are viewing the fabric as it is applied to a panel or chair. Fabric directionality is determined by how the fabric comes off the roll. It is NOT determined by the way the pattern looks on the product (i.e., horizontal stripes do not mean the fabric was applied warp horizontal–it could have been applied warp vertical).

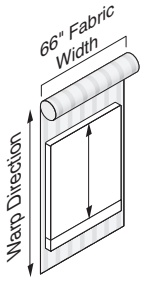
Warp Horizontal



Warp horizontal application is the standard application direction for most Steelcase fabrics on Steelcase panel and seating products.
▶See page 259 for details on these exceptions.

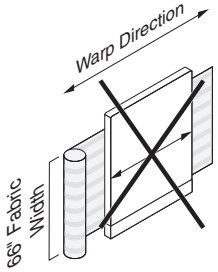
Horizontal application means that as you view the panel or chair in its upright position, the warp yarns of the fabric are running in the horizontal direction.

Warp Vertical



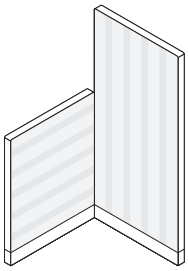
Warp vertical application is the standard application direction for any panels taller than 68"H and a few other exceptions. Vertical application means that as you view the panel or chair in its upright position, the warp yarns are running in the vertical direction.
▶See page 259 for details on these exceptions.

Warp Horizontal



Fabric on panels taller than 68"H cannot be applied warp horizontal because the height of the product is greater than the width of the fabric.

Steelcase is not responsible for charges associated with replacement or re-upholstery of products due to incorrect specifications.



The combination of tall panels (75"H with warp vertical) with short panels (65"H or less with warp horizontal) will result in the fabric patterns running in opposite directions.

To remedy this situation, the following options are available:
- Use non-directional fabric. Only a small selection of fabrics are non-directional.
- Use fabrics that have standard warp vertical application direction.
- Specify warp vertical application on fabrics that are standard warp horizontal.

Tip: If you require warp vertical and it is not the standard, you must specify the warp vertical option on every line in the order.

Application Topics

Surface Materials Representatives are available to answer your questions and to provide clarification. They can also help with situations where you are using fabrics under 66"W. Call 616.246.9822 or fax 616.698.4700.

Price

No additional cost to specify warp direction.

How to Specify

You must specify warp direction when you need to depart from the standard. Avenir panels allow this option to be selected electronically. On non-electronic orders, add a written specification to each panel to indicate non-standard warp directions.

For example:
MPTAM5348
52 3/8"H x 48 5/16"W tackable acoustical panels
side 1: fabric 5F07 (Buzz2 Blue) with vertical application.
side 2: fabric 5F08 (Buzz2 Navy) with vertical application.

Standard Warp Directions for Avenir

Fabric	Fabric Direction	Panel Stacker	Panel Height				Tackboards
			41"H	53"H	65"H	80"H	
Abacus Ⓔ	D	H	H	H	H	V	H
Alloy	D	H	H	H	H	V	H
Bariolage	D	H	H	H	H	V	H
Billiard Multi-Use by Designtex	D	H	H	H	V	V	H
Boccie	D	H	H	H	H	V	H
Buzz2	D	H	H	H	V	V	H
Charm	D	H	H	H	H	V	H
Code	D	H	H	H	H	V	H
Flip: Orbit	D	HO	HO	HO	HO	•	HO
Flip: TexHex	D	HO	HO	HO	HO	•	HO
Fresco	D	H	H	H	H	V	H
Lapel	D	H	H	H	H	V	H
Latch	D	H	H	H	H	V	H
Optic	D	H	H	H	H	V	H
Pianista	D	HO	HO	HO	HO	•	HO
Rhythm	D	H	H	H	H	V	H
Tinsel	D	H	H	H	H	V	H

Customer's Own Material Yardage Requirements
Pre-approved fabrics are available. To determine if the fabric you want is on the pre-approved list, call a COM Consultant at 616.246.9822.

For information regarding COM fabrics, refer to the *Steelcase Surface Materials Reference Manual*.

Additional fabric is required to accommodate flaws, wrinkles, and other imperfections.

Legend

D = Directional
ND = Non-directional
H = Warp horizontal
HO = Horizontal only
V = Warp vertical
• = Not available
Ⓔ = Established

Resources

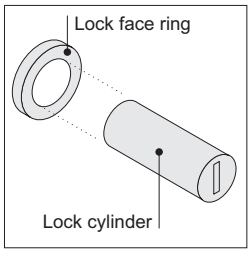
Resources

Lock and Keying **262**

Style Number Index **264**

Lock and Keying

All locking products are standard with factory-installed, keyed-random locks. Consecutive, specific, and random keying are available as field-installed options.
Exceptions: Individual locking drawers are available only with field-installed locks.



Locks consist of a factory- or field-installed lock cylinder and a factory-installed lock face ring.

Two types of locks are available—the standard keying system (FR series) and the master keying system (XF series). All the locks in the XF series can be opened with a single master key.

Factory-Installed Keying

Factory-installed locks are always key random (standard) or master key random (option). Key random means that the locks will be assigned arbitrarily at the factory with key numbers ranging from FR305 to FR454 (Master keying numbers: XF1001 to XF1150) All locks within a unit will be keyed alike.

Tip: Random keying can mean that different furniture units will have the same key number. If you must have all locks keyed differently, you should specify field-installed, key specific or key consecutive lock cylinders.
▶See below.

Key Random

FR305
FR421
FR305
or
XF1011
XF1042
XF1011
XF Master Key

Required to Specify

Master key random	+$36	Specify *with master key random*.

Field-Installed Keying

Field-installed locks are only available on products that include factory-installed lock mechanisms.

Specify "plug" when specifying furniture, and the product will ship with a plastic plug in place of the lock cylinder.
Tip: For products with optional lock colors, make sure to specify the color for both the lock and lock face ring.

Front-removable lock cylinders must be specified separately. You must also order a special lock tool to install or remove lock cylinders in the field.
Tip: Lock tools are reusable. You do not need to order additional lock tools with every furniture order.

Lock cylinders will be shipped separately so that you can install the locks when you are ready.

Three keying choices are available for field installation—random (standard), specific, and consecutive. All three are also available with master keying, which means that all locks can be opened with a single master key.

Key random means that the locks will be assigned arbitrarily at the factory with key numbers ranging from FR305 to FR454 (Master keying numbers: XF1001 to XF1150).
Tip: Random keying can mean that different furniture units will have the same key number. If you must have all locks keyed differently, you should specify key specific or key consecutive lock cylinders.

Key Random

FR305
FR421
FR305
or
XF1011
XF1042
XF1011
XF Master Key

Key specific means that you can specify any key number from FR305 to FR454 (Master keying numbers: XF1001 to XF1150). This option can be used to key all the furniture units in a workstation or department the same.
Tip: Designate the quantity per key number in your specification.
▶See example at right.

Key Specific

FR350
FR350
FR350
or
XF1020
XF1020
XF1020
XF Master Key

Key consecutive means that you can specify lock numbers in a consecutive order to ensure that no two locks have the same key number until the key sequence repeats. You must select a beginning key number from FR305 to FR454 (Master keying numbers: XF1001 to XF1150).

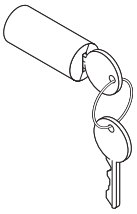
Key Consecutive

FR350
FR351
FR352
or
XF1020
XF1021
XF1022
XF Master Key

Example of a typical lock cylinder specification is shown below:

10	LOCK9201FR FR320
5	LOCK9201FR FR350
15	LOCK9201XF XF1100
30	Total
1	877102003SR standard lock tool
1	877102002SR master lock tool

Field-Installed Lock Cylinders



Tip: Lock price is included in price of furniture with locks.

Tip: For replacement lock cylinders, refer to Service Parts.

Standard Includes	Required to Specify
• Lock cylinder, keyed random: 9201 Polished Chrome or 9250 Ember Chrome • Two keys	1 Style number 2 Options, if selected (see below)

Options	U.S. Price	Required to Specify
Key specific	No cost	Select key number from FR305–FR454.
Key consecutive	No cost	Specify *key consecutive* and select beginning key number from FR305–FR454.
Master key random	+$36 each	Specify *master key random.*
Master key specific	+$36 each	Specify key number from XF1001–XF1150.
Master key consecutive	+$36 each	Specify *master key consecutive* and select beginning key number from XF1001–XF1150.

Specification Information		
• **Color**	• **Style Number**	• **U.S. Base Price**

FR Series (Standard Keying System)–Lock Cylinder

Polished Chrome	**LOCK9201FR**	No cost
Ember Chrome	**LOCK9250FR**	No cost

Tip: You can change lock cylinders in the field by using the appropriate lock tool.

Standard Lock Tool

	877102003SR	$36

XF Series (Master Keying System)–Lock Cylinder

Polished Chrome	**LOCK9201XF**	No additional cost. Price included in price of furniture with master-keyed locks.
Ember Chrome	**LOCK9250XF**	No additional cost. Price included in price of furniture with master-keyed locks.

Master Lock Tool

	877102002SR	$36

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

Style Number Index

Style Number	Page	Description
32WCP	201, 203	Wire Guide Clip
877102002SR	263	Master Lock Tool
877102003SR	263	Standard Lock Tool
986694B	179	Kick Dplx Recept
986694SFB	179	Kick Dplx Recept
98669B	179	Kick Dplx Recept
98669SFB	179	Kick Dplx Recept
986831DA	186	Dplex Receptacle
986831DA1	186	Dplex Receptacle
986831DB	186	Dplex Receptacle
986831DC	186	Dplex Receptacle
986832DA	186	Dplex Receptacle
986832DB	186	Dplex Receptacle
986832DB15SB	186	Dplex Receptacle
986832DC	186	Dplex Receptacle
986833DA	186	Dplex Receptacle
986833DB	186	Dplex Receptacle
986833DB15SB	186	Dplex Receptacle
986833DC	186	Dplex Receptacle
986834DA	186	Dplex Receptacle
986834DB	186	Dplex Receptacle
986834DB15SB	186	Dplex Receptacle
986834DC	186	Dplex Receptacle
98683ADD	186	Dplex Receptacle
98683BDD	186	Dplex Receptacle
98683CDD	186	Dplex Receptacle
98722	198	EP Stab Brkt
98723	198	EP Stab Brkt
98765	200	Termination Plate
98766	200	Cable/Fiber Reel
98767	200	Cord Reels
98768	201, 203	Cable Storage Tray
98769	176	Anchor Brkt
98863	185	Dx Cable Grom
BC	192	AV Tri-Shaped Cantilever
BEP24	194	AV End Panel
BEP30	194	AV End Panel
BSC	193	AV Tri-Shaped Shared Cantilever
CGGC12	177	Gripper Glide Caps
ERFM41	175	AV End-of-Run Filler
ERFM53	175	AV End-of-Run Filler
ERFM65	175	AV End-of-Run Filler
ERFM80	175	AV End-of-Run Filler
FCD20	199	AV Center Drawer
FPW324B	183	AV Powerway
FPW330B	183	AV Powerway
FPW336B	183	AV Powerway
FPW342B	183	AV Powerway
FPW348B	183	AV Powerway
FPW360B	183	AV Powerway
FPW424B	183	AV Powerway
FPW430B	183	AV Powerway
FPW436B	183	AV Powerway
FPW442B	183	AV Powerway
FPW448B	183	AV Powerway
FPW460B	183	AV Powerway
FSCD20	199	AV Center Drawer
LLL17	238	LED Linear Shelf Light
LLL17YA	238	LED Linear Shelf Light
LLL17YB	238	LED Linear Shelf Light
LLL31	238	LED Linear Shelf Light
LLL31YB	238	LED Linear Shelf Light
LLL44	239	LED Linear Shelf Light
LLL44YB	239	LED Linear Shelf Light
LLL58	239	LED Linear Shelf Light
LLL58YB	239	LED Linear Shelf Light
LOCK9201FR	263	Lock Cylinder
LOCK9201XF	263	Lock Cylinder
LOCK9250FR	263	Lock Cylinder
LOCK9250XF	263	Lock Cylinder
LS1FSC	235	Daisy Chain Cord
LS6FSC	235	Daisy Chain Cord
LSL18	236	LED Light
LSL18YA	236	LED Light
LSL18YB	236	LED Light
LSM24K	234	Standard Light
LSM24KC	234	Standard Light
LSM24KD	234	Standard Light
LSM36K	234	Standard Light
LSM36KC	234	Standard Light
LSM36KD	234	Standard Light
LSM48K	234	Standard Light
LSM48KC	234	Standard Light
LSM48KD	234	Standard Light
MCAS24L	196	AV Clear-Access End Pnl
MCAS24R	196	AV Clear-Access End Pnl
MCAS30L	196	AV Clear-Access End Pnl
MCAS30R	196	AV Clear-Access End Pnl
MCP41A	182	AV Cable Pole
MCP53A	182	AV Cable Pole
MCP65A	182	AV Cable Pole
MCP80A	182	AV Cable Pole
MFES18	194	AV End Panel
MFES24	194	AV End Panel
MFES30	194	AV End Panel
MPDFM8042	166	AV Frame
MPDFWDM8042	166	AV Pnl Door
MPSC372BB	180	AV End Power-In
MPSC472BB	180	AV End Power-In
MPSGM6524	161	AV Transp Panel
MPSGM6530	161	AV Transp Panel
MPSGM6536	161	AV Transp Panel
MPSGM6542	161	AV Transp Panel
MPSGM6548	161	AV Transp Panel
MPSGS1124	164	AV Glass Panel Stacker
MPSGS1130	164	AV Glass Panel Stacker
MPSGS1136	164	AV Glass Panel Stacker
MPSGS1142	164	AV Glass Panel Stacker
MPSGS1148	164	AV Glass Panel Stacker
MPSGS1224	164	AV Glass Panel Stacker

Style Number	Page	Description
MPSGS1230	164	AV Glass Panel Stacker
MPSGS1236	164	AV Glass Panel Stacker
MPSGS1242	164	AV Glass Panel Stacker
MPSGS1248	164	AV Glass Panel Stacker
MPSGS1524	164	Glass Panel Stacker
MPSGS1530	164	Glass Panel Stacker
MPSGS1536	164	Glass Panel Stacker
MPSGS1542	164	Glass Panel Stacker
MPSGS1548	164	Glass Panel Stacker
MPSGS2424	165	AV Glass Panel Stacker
MPSGS2430	165	AV Glass Panel Stacker
MPSGS2436	165	AV Glass Panel Stacker
MPSGS2442	165	AV Glass Panel Stacker
MPSGS2448	165	AV Glass Panel Stacker
MPTAM4124	159	AV Tackable Panel
MPTAM4130	159	AV Tackable Panel
MPTAM4136	159	AV Tackable Panel
MPTAM4142	159	AV Tackable Panel
MPTAM4148	159	AV Tackable Panel
MPTAM5324	159	AV Tackable Panel
MPTAM5330	159	AV Tackable Panel
MPTAM5336	159	AV Tackable Panel
MPTAM5342	159	AV Tackable Panel
MPTAM5348	159	AV Tackable Panel
MPTAM6524	159	AV Tackable Panel
MPTAM6530	159	AV Tackable Panel
MPTAM6536	159	AV Tackable Panel
MPTAM6542	159	AV Tackable Panel
MPTAM6548	159	AV Tackable Panel
MPTAS1124	162	AV Fab Panel Stacker
MPTAS1130	162	AV Fab Panel Stacker
MPTAS1136	162	AV Fab Panel Stacker
MPTAS1142	162	AV Fab Panel Stacker
MPTAS1148	162	AV Fab Panel Stacker
MPTAS1224	162	AV Fab Panel Stacker
MPTAS1230	162	AV Fab Panel Stacker
MPTAS1236	162	AV Fab Panel Stacker
MPTAS1242	162	AV Fab Panel Stacker
MPTAS1248	162	AV Fab Panel Stacker
MPTAS1524	163	Tack Fabric-Cvrd Pnl Stcker
MPTAS1530	163	Tack Fabric-Cvrd Pnl Stcker
MPTAS1536	163	Tack Fabric-Cvrd Pnl Stcker
MPTAS1542	163	Tack Fabric-Cvrd Pnl Stcker
MPTAS1548	163	Tack Fabric-Cvrd Pnl Stcker
MPTAS2424	163	AV Fab Panel Stacker
MPTAS2430	163	AV Fab Panel Stacker
MPTAS2436	163	AV Fab Panel Stacker
MPTAS2442	163	AV Fab Panel Stacker
MPTAS2448	163	AV Fab Panel Stacker
MSS	191	AV Side Support
MU2824BBFL	206	AV Fixed Ped
MU2824FFL	206	AV Fixed Ped
MU2830BBFL	206	AV Fixed Ped
MU2830FFL	206	AV Fixed Ped
MUP2224BFS	209	AV Mobile Pedestal
MUP2224BFSC	209	AV Mobile Pedestal
MUPC24BFL	207	AV Wksf-Supported Ped
MUPC30BFL	207	AV Wksf-Supported Ped
PAB233	168	AV Panel Conn Pkg
PAB241	168	AV Panel Conn Pkg
PAB253	168	AV Panel Conn Pkg
PAB265	168	AV Panel Conn Pkg
PAB333	168	AV Panel Conn Pkg
PAB341	168	AV Panel Conn Pkg
PAB353	168	AV Panel Conn Pkg
PAB365	168	AV Panel Conn Pkg
PAB4	170	AV Panel Conn Pkg
PAB5A	169	AV Panel Conn Pkg
PAB5B	169	AV Panel Conn Pkg
PAB5C	169	AV Panel Conn Pkg
PAB5D	169	AV Panel Conn Pkg
PAB5E	169	AV Panel Conn Pkg
PAB5F	169	AV Panel Conn Pkg
PAB5G	169	AV Panel Conn Pkg
PAB6	176	Attachment Bracket
PAB7	176	Attachment Bracket
PAB9	170	AV Panel Conn Pkg
PBCC180	184	AV Corner Wire Cvr
PBCC90	184	AV Corner Wire Cvr
PBEF	185	AV Pnl-Base End Flr
PC4133	171	AV COH Panel Conn
PC5333	171	AV COH Panel Conn
PC5341	171	AV COH Panel Conn
PC6533	171	AV COH Panel Conn
PC6541	171	AV COH Panel Conn
PC6553	171	AV COH Panel Conn
PC8033	171	AV COH Panel Conn
PC8041	171	AV COH Panel Conn
PC8053	171	AV COH Panel Conn
PC8065	171	AV COH Panel Conn
PCH	177	AV Panel Coat Hook
PCSB18S	193	AV Shared Cantilever
PCSB24S	193	AV Shared Cantilever
PCWRC3624	190	AV Cor Crvlnr Wksf
PCWRC4224	190	AV Cor Crvlnr Wksf
PCWRC4230	190	AV Cor Crvlnr Wksf
PCWRC4824	190	AV Cor Crvlnr Wksf
PCWRC4830	190	AV Cor Crvlnr Wksf
PCWS18CL	192	AV Cantilever
PCWS18CR	192	AV Cantilever
PCWS24CL	192	AV Cantilever
PCWS24CR	192	AV Cantilever
PCWS30CL	192	AV Cantilever
PCWS30CR	192	AV Cantilever
PFF16	177	AV Panel Stab Foot
PJAXM4153	174	AV X-Config Filler
PJAXM4165	174	AV X-Config Filler
PJAXM4180	174	AV X-Config Filler
PJAXM5365	174	AV X-Config Filler
PJAXM5380	174	AV X-Config Filler

Style Number	Page	Description
PJAXM6580	174	AV X-Config Filler
PJBXM4153	174	AV X-Config Filler
PJBXM4165	174	AV X-Config Filler
PJBXM4180	174	AV X-Config Filler
PJBXM5365	174	AV X-Config Filler
PJBXM5380	174	AV X-Config Filler
PJBXM6580	174	AV X-Config Filler
PJLM41	172	AV L-Config Filler
PJLM53	172	AV L-Config Filler
PJLM65	172	AV L-Config Filler
PJLM80	172	AV L-Config Filler
PJTM41	173	AV T-Config Filler
PJTM4153	173	AV T-Config Filler
PJTM4165	173	AV T-Config Filler
PJTM4180	173	AV T-Config Filler
PJTM53	173	AV T-Config Filler
PJTM5365	173	AV T-Config Filler
PJTM5380	173	AV T-Config Filler
PJTM65	173	AV T-Config Filler
PJTM6580	173	AV T-Config Filler
PJTM80	173	AV T-Config Filler
PJXM	174	AV X-Config Top Cap
PMB3330	178	AV Markerboard
PMB3336	178	AV Markerboard
PMDR	187	AV Pnl-Supported Recept
PP341AB	181	AV Power Pole
PP353AB	181	AV Power Pole
PP365AB	181	AV Power Pole
PP380AB	181	AV Power Pole
PP441AB	181	AV Power Pole
PP453AB	181	AV Power Pole
PP465AB	181	AV Power Pole
PP480AB	181	AV Power Pole
PTDMGB1	201	Power Sphere
PTDMGB3	202	Pwr Comm Sphere
PTRSGB1	202	Power Comm Port
PWC53	228	AV Wall Channels
PWC65	228	AV Wall Channels
PWC80	228	AV Wall Channels
PWCHB42	229	AV Horizontal Brace
PWCHB48	229	AV Horizontal Brace
PWCHB60	229	AV Horizontal Brace
PWCHB72	229	AV Horizontal Brace
PWF24L	195	AV Floor-Support End Pnl
PWF24R	195	AV Floor-Support End Pnl
PWF30L	195	AV Floor-Support End Pnl
PWF30R	195	AV Floor-Support End Pnl
PWRF24	197	AV Wksf Filler
PWRF30	197	AV Wksf Filler
PWSCL1	196	AV Cantilever Clamp
PWSCL18	193	AV Support Plate
PWSCL2	197	AV COH Cantilever Clamp
PWSCL24	193	AV Support Plate
PWSCL30	193	AV Support Plate
PWSF24	197	AV Wksf Filler
PWSF30	197	AV Wksf Filler
PWSMB2	191	AV Locking Side Support
RAACW1	232	Counterweight Pkg
RAACW2	232	Counterweight Pkg
RAACW3	232	Counterweight Pkg
RAACW4	232	Counterweight Pkg
RAACW5	232	Counterweight Pkg
RAACW6	232	Counterweight Pkg
RBB24AVR	219	Univ In the Case Bin
RBB24LAVR	221	Univ In the Case Bin
RBB24QAVR	217	Univ Over the Case Bin
RBB24WAVR	223	Univ In the Case Bin
RBB30AVR	219	Univ In the Case Bin
RBB30LAVR	221	Univ In the Case Bin
RBB30QAVR	217	Univ Over the Case Bin
RBB30WAVR	223	Univ In the Case Bin
RBB36AVR	219	Univ In the Case Bin
RBB36LAVR	221	Univ In the Case Bin
RBB36QAVR	217	Univ Over the Case Bin
RBB36WAVR	223	Univ In the Case Bin
RBB42AVR	219	Univ In the Case Bin
RBB42LAVR	221	Univ In the Case Bin
RBB42QAVR	217	Univ Over the Case Bin
RBB42WAVR	223	Univ In the Case Bin
RBB48AVR	219	Univ In the Case Bin
RBB48LAVR	221	Univ In the Case Bin
RBB48QAVR	217	Univ Over the Case Bin
RBB48WAVR	223	Univ In the Case Bin
RBB60AVR	219	Univ In the Case Bin
RBB60LAVR	221	Univ In the Case Bin
RBB60QAVR	217	Univ Over the Case Bin
RBB60WAVR	223	Univ In the Case Bin
RBB66AVR	219	Univ In the Case Bin
RBB66LAVR	221	Univ In the Case Bin
RBB66QAVR	217	Univ Over the Case Bin
RBB66WAVR	223	Univ In the Case Bin
RBB72AVR	219	Univ In the Case Bin
RBB72LAVR	221	Univ In the Case Bin
RBB72QAVR	217	Univ Over the Case Bin
RBB72WAVR	223	Univ In the Case Bin
RBKHWM24	228	Wall Bracket
RBKHWM30	228	Wall Bracket
RBKHWM36	228	Wall Bracket
RBKHWM42	228	Wall Bracket
RBKHWM48	228	Wall Bracket
RBKHWM60	228	Wall Bracket
RBKHWM72	228	Wall Bracket
RBKVOFM	230	Vert OM Brkt
RDIV	229	Dividers
RDS24AVR	227	Univ Personal Shelf
RDS30AVR	227	Univ Personal Shelf
RDS36AVR	227	Univ Personal Shelf
RDS42AVR	227	Univ Personal Shelf
RDS48AVR	227	Univ Personal Shelf
RDV1506	211	Dividers

Style Number	Page	Description
RDV1512	211	Dividers
RDV151210	211	Dividers
RHK48	224	Hutch Kit
RHK60	224	Hutch Kit
RHK66	224	Hutch Kit
RHK72	224	Hutch Kit
RHKCM	225	Hutch Kit Cable Mngr
RHKESB	225	Hutch Connector Brkt
RHKRECPT	225	Hutch Kit Receptacle
RPXDPT	212	Pencil Tray
RPXDRS	212	Reference Shelf
RPXTC24P	210	U Ped Cushion Top
RPXTCH24P	210	U Ped Cushion Top
RSB36AVR	213	Univ Sliding Door Bin w/Steel Frnt
RSB36LAVR	214	Univ Sliding Door Bin W/Lam Frnt
RSB36WAVR	215	Univ Sliding Door Bin w/Wood Frnt
RSB42AVR	213	Univ Sliding Door Bin w/Steel Frnt
RSB42LAVR	214	Univ Sliding Door Bin W/Lam Frnt
RSB42WAVR	215	Univ Sliding Door Bin w/Wood Frnt
RSB48AVR	213	Univ Sliding Door Bin w/Steel Frnt
RSB48LAVR	214	Univ Sliding Door Bin W/Lam Frnt
RSB48WAVR	215	Univ Sliding Door Bin w/Wood Frnt
RSB60AVR	213	Univ Sliding Door Bin w/Steel Frnt
RSB60LAVR	214	Univ Sliding Door Bin W/Lam Frnt
RSB60WAVR	215	Univ Sliding Door Bin w/Wood Frnt
RSB66AVR	213	Univ Sliding Door Bin w/Steel Frnt
RSB66LAVR	214	Univ Sliding Door Bin W/Lam Frnt
RSB66WAVR	215	Univ Sliding Door Bin w/Wood Frnt
RSB72AVR	213	Univ Sliding Door Bin w/Steel Frnt
RSB72LAVR	214	Univ Sliding Door Bin W/Lam Frnt
RSB72WAVR	215	Univ Sliding Door Bin w/Wood Frnt
RSH24AVR	226	Univ Shelf
RSH30AVR	226	Univ Shelf
RSH36AVR	226	Univ Shelf
RSH42AVR	226	Univ Shelf
RSH48AVR	226	Univ Shelf
RSH60AVR	226	Univ Shelf
RSH72AVR	226	Univ Shelf
RSS24AVR	231	Slim Shelf
RSS30AVR	231	Slim Shelf
RSS36AVR	231	Slim Shelf
RSS42AVR	231	Slim Shelf
RSS48AVR	231	Slim Shelf
RSS60AVR	231	Slim Shelf
RSS72AVR	231	Slim Shelf
RSS96AVR	231	Slim Shelf
RSTA3318	167	Tack Acst Skin
RSTA3324	167	Tack Acst Skin
RSTA3330	167	Tack Acst Skin
RSTA3336	167	Tack Acst Skin
RSTA3342	167	Tack Acst Skin
RSTA3348	167	Tack Acst Skin
RSTA3360	167	Tack Acst Skin
RSTA4118	167	Tack Acst Skin
RSTA4124	167	Tack Acst Skin
RSTA4130	167	Tack Acst Skin
RSTA4136	167	Tack Acst Skin
RSTA4142	167	Tack Acst Skin
RSTA4148	167	Tack Acst Skin
RSTA4160	167	Tack Acst Skin
RSTA5318	167	Tack Acst Skin
RSTA5324	167	Tack Acst Skin
RSTA5330	167	Tack Acst Skin
RSTA5336	167	Tack Acst Skin
RSTA5342	167	Tack Acst Skin
RSTA5348	167	Tack Acst Skin
RSTA5360	167	Tack Acst Skin
RSTA6518	167	Tack Acst Skin
RSTA6524	167	Tack Acst Skin
RSTA6530	167	Tack Acst Skin
RSTA6536	167	Tack Acst Skin
RSTA6542	167	Tack Acst Skin
RSTA6548	167	Tack Acst Skin
RSTA6560	167	Tack Acst Skin
RSTA8018	167	Tack Acst Skin
RSTA8024	167	Tack Acst Skin
RSTA8030	167	Tack Acst Skin
RSTA8036	167	Tack Acst Skin
RSTA8042	167	Tack Acst Skin
RSTA8048	167	Tack Acst Skin
RXADRL15	211	Rails
TB3018	178	AV Tackboard
TB3618	178	AV Tackboard
TB4218	178	AV Tackboard
TB4818	178	AV Tackboard
TB6018	178	AV Tackboard
TB7218	178	AV Tackboard
TS7WWM	187, 203	U WS Wire Mgr

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